MINISTRY OF WATER RESOURCES AND IRRIGATION ARAB REPUBLIC OF EGYPT

THE PREPARATORY SURVEY FOR THE REHABILITATION AND IMPROVEMENT OF DIROUT GROUP OF REGULATORS IN THE ARAB REPUBLIC OF EGYPT

APPENDIX (MINOR STRUCTURES)

OCTOBER, 2010

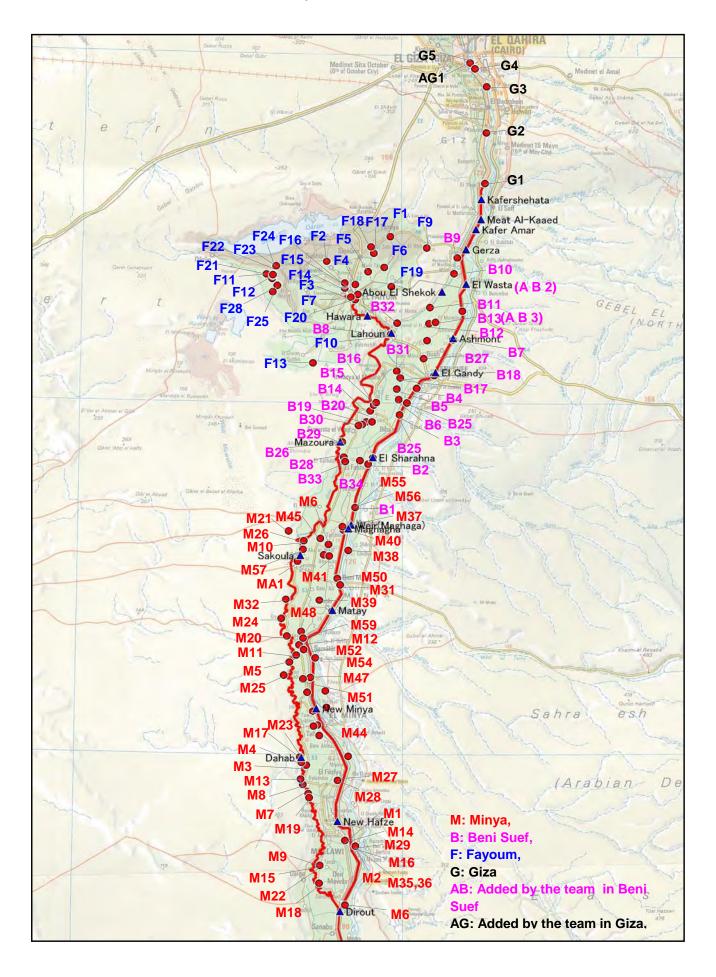
JAPAN INTERNATIONAL COOPERATION AGENCY SANYU CONSULTANTS INC.

RDD JR 10-061

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Minor Structures Location Map



Comprehensive Evaluation by Consultant

Type of the Minor Structure

(site No.)

					(/
	Giza	Fayoum	Beni-Suef	Minya	Total
Intake	2	2	11	31	46
Regulator	4	2	1	14	21
Tail escape	0	0	9	5	14
Culvert	0	1	1	0	2
Siphon	0	0	5	1	6
Aqueduct	0	0	3	0	3
Bridge	0	1	2	6	9
Weir	0	19	1	0	20
Pipe line	0	0	3	0	3
Pump station	0	0	1	3	4
Total	6	25	37	60	128

The result of evaluation for the implementation term

(site No.)

	Giza	Fayoum	Beni-Suef	Minya	Total
Within 5yrs	4	19	26	54	103
Within 10yrs	1	4	6	4	15
Within 20yrs	1	2	5	2	10
Total	6	25	37	60	128

The evaluation of the cost for suitable works

(LE)

	Giza	Fayoum	Beni-Suef	Minya	Total
Within 5yrs	13,860,000	20,788,000	9,147,000	15,345,700	59,140,700
Within 10yrs	105,000	1,470,000	192,000	283,000	2,050,000
Within 20yrs	53,000	206,000	368,000	0	627,000
Total	14,018,000	22,464,000	9,707,000	15,628,700	61,817,700

The cause of the deterioration and trouble on Minor structure

(site No.)

THE Cause of the	uetenoration	i and trouble	OH MILIOI SI	<u>ructure</u>	(Site Mo.)
	Giza	Fayoum	Beni-Suef	Minya	Total
Water Level shortage	0	0	2	3	5
Water Discharge small	0	19	12	34	65
Sedimentation	0	0	6	9	15
Garbage around the structure	4	0	13	20	37
Weathering Structure	2	20	27	46	95
Crack or Scouring of Structure	2	18	15	31	66
Settling of struc. or facili.	0	1	0	0	1
Damage on the machine	4	1	14	31	50

The cause of the deterioration and trouble on Minor structure needed the suitable works within 5 yrs

(site No.)

	Giza	Fayoum	Beni-Suef	Minya	Total
Water Level	0	0	2	3	5
Watre Discharge	0	18	12	34	64
Sedimentation	0	0	1	0	1
Garbage around the structure	0	0	2	3	5
Weathering Structure	2	19	22	44	87
Crack or Scouring of Structure	2	16	15	31	64
Settling	0	1	0	0	1
Damage on the machine	4	1	14	31	50

(1/9)		Entire cost(LE)	10,500,000	105,000	1,050,000	53,000	2,100,000	210,000	10,500,000	525,000	1,050,000	1,050,000	1,050,000	525,000	1,050,000	525,000
	Cost for		200,000	2,000	50,000	3,000	100,000	10,000	200'000	25,000	50,000	50,000	50,000	25,000	50,000	25,000
		± ≥														
	, ao nonan	strength														
	0 /463300	Discharg		•	•	•	•	•	•	•	•	•	•	•	•	•
	of the ne	gi. Mea-	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Firsting of	Geogra. Geologi.	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	-	Term of Works	within 5yrs	within 10yrs	within 5yrs	within 20yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 10yrs	within 5yrs	within 5yrs
1			8	100,000 within	1,000,000 wit	50,000 within	2,000,000 wit	200,000 wit	wit 5y	wit 500,000	1,000,000 wit	1,000,000 wit	1,000,000 wit	500,000 within	1,000,000 wit	wit 500,000 55
d	oy consultai	works (LE)	10,00							20	1,00	1.00			1,00	20
	Evaluation by consultant	Recommendation	Recommend the reconstruction of the structure and replace the gate.	Recommend the removal of the garbage, rehabilitation of the gate and the sturucture on surface.	Recommend the replace all the gates, rehabilitation of structure and removal of the garbage.	Recommend the removal of the garbage and rehabilitation of the structure on surface. And recommend to expire these gates, becouse new one is at dwonstream.	Recommend the reconstruction and replace the gates.	Recommend the rehabilitation of the structure on surface and replace the gates.	Recommend the reconstruction and replace all the gates	Recommend the reconstruction of the structure.	Recommend the reconstruction of the structure	Recommend the reconstruction and protection work on downstream	Recommend the reconstruction widening the vent	Recommend the reconstruction widening the vent	Recommend the reconstruction	Recommend the reconstruction and protection work at downstream of the structure.
Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant.		Evaluation of the structure and necessary works	The structure has been damaged by weathering and the Recommend the reconstruction of structure and replace the gate the structure and replace the gate.	The structure and gate are not so bad. However, much garbage prevent fair distribution. Need the removal of the pagarbage, rehabilitation of the gate and sturucture on surface.	- 6 + 2	The much garbage prevent the suitable distribution. Need the removal of the garbage and rehabilitation of the structure on surface.	The much garbage prevent the sultable distribution. The secomm structure body has been damaged by the weathering. Need the gates the reconstruction and replace the gates.	The gates can not work and can not regulate the water. Need the rehabilitation of the structure on surface and replace the gates.	The structure is very dangerous condition by the much of discharge. Need the reconstruction and replace all the gates	The sturucture has been damaged by weatherd and cracks. Need the reconstruction of the structure.	The structure has been damaged by weathering and the wide of vent is so narrow. Need the reconstruction of the structure, one of the two structures	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction and protection work at downstream of the structure.	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction of the structure widening the vent.	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction of the structure widening the vent.		The structure has been damaged by weathering and difficulty of the fair water distribution. Need the preconstruction and protection work at downstream of the structure.
3BS an	by RGBS	Cost	5,000,000	2,000,000	5,000,000	2,000,000	2,000,000		10,000,000	5,000,000	3,000,000	5,000,000	5,000,000	3,000,000	000'009	000'009
etween R	Evaluation by RGBS	Necessary	Replace the structure	Replace the structure	Replace the structure	Replace the all structure	Replace the all structure		Replace the all structure	Rehabilitation	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure
able b	Max dis.	(m ₃ /s)	2.20	2.00	1.70	09:0	0.50	09'0	16.40	5.51	3.74	7.15	7.48	1.46	1.30	5.81
rison 1	Comman	d area	120,000	100,000	000'6	24,745	000'6	000'6	86,000	15,869	10,772	20,590	21,544	4,216	3,763	16,740
Compa		Con. Yr.	1935	1935	1935	1935	1935	after 1999	Before 1943	1927	1927 - 1930	1926	1927-1930	1927	1927	1927
cture ;		Туре	Regulator	Regulator	Regulator	Intake	Intake	Regulator	Weir	Weir	Regulator	Weir	Weir	Weir	Culvert	Weir
Minor Str		Canal	Giza canal F	Giza canal	Giza canal	El Mansoria canal II	El zomaor canal	El Mansoria canal	Bats Drain	Sanhoor	El Elaam		Sennors	Sersena Elemomey		El nazla V
n of the		Name	El ayat (Abu rag wan C	El Hawamdia C	El Mansoria intake	El zomaor intake	AG1 El Mansoria Eregulator	Hear weir E	El asaba nasba	El Elaam E	Beyhmo nasba Sennors	El shoremy s	Gadona	Zmloty Culvert El Elaam	Brka weir E
aluatic		No.	61	G2 A	63	G4 ir	G5 ir	AG1	F1	F2 E	F3	F4 E	F5	F6 0	F7 z	F8
Εν		Area	Giza						Fa- youm							

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(2/9)	Entiro	cost(LE)	315,000	206,000	525,000	525,000	525,000	525,000	525,000	525,000	105,000	315,000	788,000	206,000	263,000	263,000
	Ļ		15,000	000'9	25,000	25,000	25,000	25,000	25,000	25,000	5,000	15,000	38,000	000'9	13,000	13,000
	V Cost for	sst survey			28	28	28	28	28	25	2,	11	38		=	=
	or stud	gth Oter test st or survey														
	Evaluation of the necessary survey or study	Discharge strength volume test	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	e necess	Mea- Disk	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	ion of th	Geologi. St	•		•	•	•			•	•	•	•		•	•
	Evaluat	Geogra.	•		•	•	•	•	•	•	•	•	•		•	•
	Torm of	works	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 10yrs	within 5yrs	within 5yrs	within 10yrs	within 5yrs	within 5yrs	within 20yrs	within 5yrs	within 5yrs
rsultant		works '	300,000	200,000	500,000	500,000	500,000	500,000 v	500,000	500,000	100,000 v	300,000	750,000	200,000 w	250,000 wit	250,000
Evaluation by Consultant	<u>0</u>	Recommendation	Recommend the reconstruction of the structure, replace the gate and protection work at downstream of the structure.	Recommend the rehabilitation of the structure	Recommend the reconstruction and protection work at downstream of the structure.	Recommend the reconstruction and protection work on downstream	Recommend the reconstruction with changing of the width the intake	Recommend the rehabilitation of the protection work on downstream	Recommend the reconstruction widening the vent	Recommend the reconstruction widening the vent	Recommend the rehabilitation of the body	Recommend the reconstruction widening the vent	Recommend the reconstruction widening the vent	Recommend to install the mechanical Trash rack or other way	Recommend the reconstruction with changing to the suitable width of the vent	Recommend the reconstruction with changing to the suitable width of the vent
Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant		Evaluation of the structure and necessary works	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the preconstruction of the structure, replace the gate and protection work at downstream of the structure.		j S		The structure has been damaged by weathering and difficulty of the fair water distribution. Need the preconstruction with changing to the suitable width of the vent	The structure has been damaged on surface. Those damage will be dealt by rehabilitation. It is afraid of the scouring at downstream. Need the rehabilitation and protection work at downstream of the structure.	\ 	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the preconstruction with changing to the suitable width of the vent		۱ د د	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the preconstruction with changing to the suitable width of the vent	It si difficult to do daily cleanning works. Need to install the mechanical Trash rack or other way		The structure has been damaged by weathering and difficulty of the fair water distribution. Need the preconstruction with changing to the suitable width of the vent
BS an	by RGBS	Cost (LE)	1,500,000	1,000,000	3,000,000	200'000	5,000,000	1,500,000	200'000	500,000	300,000	700,000	5,000,000	5,000,000	500,000	500,000
tween RC	Evaluation by RGBS	Necessary works	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure	Replace the all structure
ple be	Max dis.	(m³/s)	2.36	7.65	5.26	2.16	5.14	5.00	3.76	79'0	1.55	1.54	3.00	7.64	2.07	1.86
ison Ta	Comman	area	6,811	1,448	15,154	6,225	14,808	14,393	10,844	1,924	1,924		8,659	22,020	5,947	5,344
Compai	Con Vr		1927 - 1930	1927 - 1930	1927	1927		1927	1927-1930	1927-1930	1927-1930	1927-1930	1927 - 1930	1927-1930	1927-1930	
cture ;	Two		Regulator 1	Intake 1	Weir	Weir	Weir	Weir	Weir	Bridge 1	Weir 1	Weir 1	Weir 1	Intake 1	Weir	Weir 1
or Stru	Cana/			=										=	>	>
he Min		5	e ElElaam	ke Yousef	El nazla	Elmshrk	ia El Ghark	n ZAWEA	e ZAWEA	ZAWEA	ce Elmasra	ırg Elkharg	Seila elomomy	e Tanhla	el nazla	ly nazla
on of ti	Name		El serb intake	Hawara Intake	El mshrk nasba	El hmam nasba	TALET nasba	F14 Abd El rhman	naklefa intake	Farsh weir	elkharg intake	F18 End of elkharg nasba	Seila nasba	Tanhia intake	Esmail abd el lateef weir	Hassan afndy weir
aluati	No.		F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22
T L	Area															

Remarks: Gray hatting is shown the different evaluation between RGBS and Consultant

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(3/6)	ire	cost(LE)	263,000	0	315,000	30,000	30,000	30,000	309,000	721,000	309,000	309,000	309,000	309,000	51,000	116,000	26,000	25,000
	r Entire			0		0				00					00		00	0
	Cost for	survey (LE)	13,000		15,000				000'6	21,000	000'6	000'6	000'6	000'6	1,000	000'9	1,000	
	r study	Oter test or survey														•		
	survey c	le strength																
	cessary	Discharge ent volume	•		•													
	of the ne	gi. Mea-	•		•					•	•	•	•	•	•	•	•	
	Evaluation of the necessary survey or study	gra. Geologi.	•		•				•				_	_		_	_	İ
	<u> </u>	ks Geogra.	- s	Oyrs	Oyrs			Oyrs	- s	u s	u s	u s	- s	- s	Oyrs	- s	- s	Oyrs
ınt	Term of		within 5yrs	0 within 20yrs	000 within 10yrs	within 5	within 5	000 within 20yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	000 within 10yrs	within 5yrs	within 5yrs	000 within 20yrs
Consulta	Cost for	works (LE)	250,000		300,000	30,000	30,000	30,000	300,000	700,000	300'000	300'000	300,000	300,000	20,000	110,000	25,000	25,000
Evaluation by Consultant		Recommendation	Recommend the reconstruction widening the vent	This structure had already reconstructed	Recommend the rehabilitation of the protection work on downstream	Structure is not so bad. Recommend the removal of the garbage at downstream urgently	Recommend the removal of the garbage at downstream urgently	Recommend the maintenance of the gate	damaged heavily by Weathering. Recommend the reconstruction and rand recommend to support into the recommend to support into the pipe.	Recommend the reconstruction and replace the gates. (Need more study to make clear the status)	Recommend the reconstruction and replace the gate. (Need more study to make clear the status)	Recommend the replace the pipe and install the gate in front of the pipe.	Recommend the reconstruction and replace the gate.	Recommend the reconstruction of the intake and replace the gate.	Recommend the maintenance and replace the gate.	Recommend the reconstruction of the intake with take into consideration of the loction of the intake.	Recommend the reconstruction of the structure and replace the gate.	Recommend the some rehabilitation and maintenance of the gate.
Minor Structure ; Comparison Table between RGBS and Consultant		Evaluation of the structure and necessary works	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the oreconstruction with changing to the suitable width of the vent	No problem. Becouse this structure had already reconstructed	The structure has been damaged on surface. Those damage will be dealt by rehabilitation. It is afraid of the cocuring at downstream. Need the rehabilitation and protection work at downstream of the structure.	At downstream, 500m, from the intake, many garbage prevet fair water. Need to remove the garbage urgently.	At downstream, 100m, from the intake, many garbage of prevet fair water. Need to remove the garbage urgently.	The structure has few damage. Need the maintenance of the gate	The structure has been Need the reconstruction pipe.	<u>۸</u>	The structure has been damaged and the gates can not o work at all. Need the reconstruction and replace the gate.	The geographical survey at surround area and o measurement in more detail of the structure	The geographical survey at surround area and measurement in more detail of the structure	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the intake and replace the gate.	Measurement in more detail of the gate	The structure has been damaged and the gates can not work suitable. This intake has severe problem to fair water. Need the reconstruction of the intake to take into consideration of the loction.	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the structure and replace the gate.	The gate is not so bad. Need the some rehabilitation and o maintenance of the gate.
BS an	y RGBS	Cost (LE)	200'000	300,000	1,000,000	1,500,000	100,000	100,000	000'02	200'000	200'000	100,000	100,000	110,000	150,000	110,000	25,000	25,000
etween RC	Evaluation by RGBS	Necessary works	Replace the all structure	Replace the all structure	Replace the all structure	Replace the intake	Rehabilitation. Add the pipes to take more water	Rehabilitation. Add the pipes to take more water	Rehabilitation. Add the pipes to take more water	Replace the intake	Rehabilitation	Rehabilitation	Replace the intake	Replace the intake	Replace the intake	Replace the intake	Reconstruction	Reconstruction
able b	Max dis.	(m³/s)	1.15	96:0	7.16	3.50	1.00	1.60	3.50	6.50	0.87	2.73	2.10	09:00	0.44	0.81	2.80	1.33
rison T	Comman d	area	3,300	2,762	20,637	7,000	1,000	2,888	6,190	20,000	1,500	4,720	4,720	1,073	815	1,400	4,900	2,300
Compai	Con. Yr.		1927-1930	1927-1930	1927-1930	1972	1965	1960	1953	1935		1950	1965	1970	1970		1965	1965
cture ;	Type		Weir 1	Weir 1	Weir 1	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	ailescape	Tailescape
Minor Stru	Canal		W szan	nazla W	mazla W	ALFANT canal Int	ELSHARAHN AELKABLIA	Elmagrofa elgrbia Int	Elmagrofa elgrbia Int	KELA canal Int	Amar AELKABLIA Ini	Amar AELKABLIA Ini	HAGR ALAHON IN	MOMTEZ CANAL Int	ELATHAR intake Int	ABWED	ALI HAFEZ Ta	DALAS WEST Ta
Evaluation of the l	Name		rawashdia weir	mezar	Soleman	ALFANT AI	ELSHARAHN EL AELKABLIA AE	Elmagrofa elgrbia	ELSAHARA EI	KELA	Amar AELKABLIA Ar	Asment AELKABLIA	HAGR ALAHON	MOMTEZ CANAL	ELATHAR	ABWED	ALIHAFEZ	B13 DALAS WEST DA
aluati	a No.		F23	F24	F25	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13
ΕV	Area					Beni- Suef												

Remarks: Gray hatting is shown the different evaluation between RGBS and Consultant

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Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant

10 10 10 10 10 10 10 10		c.	.E)	5,000	26,000	2,000	10,000	10,000	10,000	10,000	525,000	515,000	303,000	309,000	258,000	525,000	1,030,000
Marcon County C		Entire	cost(L					·	<u> </u>	, 		5,		3(25	24	1,0
March County This can be a county County		Cost for	survey (LE)	0	1,000	0	0	0	0	0	25,000	15,000	3,000	000'6	8,000	25,000	30,000
Management Type Care Type T									!								
Management Type Care Type T		urvey or	strength test								•						
Management Type Care Type T		essary s	Discharge volume													•	
Management Type Care Type T		f the nec			•		•	•			•	•	•	•	•	•	•
Management Type Care Type T		luation o															
Part Column Col		_	_		•	yrs	yıs	SV			•	•					•
March Canal Type Cana Type nt							00 within 10										
ADD CORDAN Type CORDAN Control of the Control of t	Consulta	Cost fo	works (LE)	0'5	25,0	20	10,0	10,0	10,0	10,01	200'0	0'005	3000			200'00	1,000,0
Montage Carinal Type Con NY. Control Analysis Control Analysis Control Reconstruction Control Reconstruction Control Reconstruction Control Problem of the set Problem	Evaluation by		Recommendation	Recommend the some rehabilitation and removal of the weeds at upstream.	Recommend the reconstruction of the structure and replace the gate.	Recommend the removal of the garbage at end of pipe.	Recommend the some rehabilitation and replace the gate.	Recommend the some rehabilitation and replace the gate.	Recommend the some rehabilitation.	Recommend the some rehabilitation and remove the weeds.	Recommend to study more or test to check current status.	Recommend the reconstruction	Recommend the replace the pipe to more wide and remove the garbage.	Recommend the reconstruction and replace the gate.	Recommend the reconstruction of the intake and remove the weed and sedimentation in front of the intake.		
B16 SOLTANE (a) Topo Con N. Common August dec. Common Common August dec. Common			Evaluation of the structure and necessary works	·	The structure has been or work suitable. Need the replace the gate.	_			T t t S	1		1	The structure has been on there are much garbage replace the pipe to more	_ > 0		They want to change to t supply water.	_
B16 COLTANE (3) Tall escape 1965 214 0.60 RR B18 SOLTANE (3) Tall escape 1965 214 0.60 RR B16 SOLTANE (4) Tall escape 1975 150 0.60 RR B17 SOLTANE (5) Tall escape 1970 220 0.70 RR B18 SOLTANE (6) Tall escape 1970 2.760 1.74 RR B19 SOLTANE (7) Tall escape 1970 2.760 1.70 RR B19 ALASKRA ALASKRA Tall escape 1970 2.760 1.70 RR B20 RGE ALSHAMSHE ALSHAMSHE ALSHAMSHE ALSHAMSHE 1966 RR 1965 1.70 RR B22 RGT ALASKRA ALASKRA Pipe Ine 1965 5.00 3.50 RR B22 RATHAED BASA Pipe Ine 1960 4.580 0.60 RR B22 TALT Ganal <td></td> <td>y RGBS</td> <td>Cost (LE)</td> <td>25,000</td> <td>25,000</td> <td>25,000</td> <td>25,000</td> <td>25,000</td> <td>25,000</td> <td>25,000</td> <td>250,000</td> <td>250,000</td> <td>200,000</td> <td>1,000,000</td> <td>250,000</td> <td>200'000</td> <td>500,000</td>		y RGBS	Cost (LE)	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000	250,000	200,000	1,000,000	250,000	200'000	500,000
NO. Name Canal Type Con. Yr. Comman area Max dis. B14 SOLTANE (3) Tallescape 1965 214 0.60 B15 SOLTANE (4) Tallescape 1975 150 0.60 B16 SOLTANE (5) Tallescape 1970 520 0.70 B17 SOLTANE (5) Tallescape 1970 520 0.70 B18 SOLTANE (7) Tallescape 1970 520 0.70 B19 ALASKRA ALASKRA Tallescape 1970 5.00 1.70 B20 ALASKRA ALASKRA Tallescape 1970 2.760 1.70 B20 ALASKRA ALASKRA Tallescape 1960 3.000 1.74 B20 ALASKRA ALASKRA Tallescape 1960 2.760 1.70 B21 ALASKRA ALASKRA ALASKRA ALASKRA 1960 0.00 B22 AZIT Drúges Ceta canal Brúge		Evaluation t	Necessary works	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction	Reconstruction
NO. Name Canal Type Con. Vr. or or area B14 SOLTANE (3) Tall escape 1965 214 B15 SOLTANE (4) Tall escape 1975 150 B16 SOLTANE (5) Tall escape 1970 230 B17 SOLTANE (5) Tall escape 1970 230 B18 SOLTANE (6) Tall escape 1970 230 B18 SOLTANE (7) Tall escape 1970 230 B18 SOLTANE (7) Tall escape 1970 230 B20 ALSKRA Tall escape 1970 2,760 B21 AL-ASKRA Tall escape 1970 2,760 B22 AZIT bridge Ocia canal Bridge 1965 12,000 B23 AHMED BASA Pipe line 1995 5,000 B23 AHMED BASA Pipe line 1996 4,580 B25 ILAT canal TALAGE LATE 1960 4,580 B27 ALI		Max dis.	(s/ , w)	0.60	09:0	09:0	0.70	0.70	1.74	1.70	7.00	6.50	3.50	09:0	0:50	2.65	2.89
NO. Name Canal Type Con. Yr. B14 SOLTANE (3) Tall escape 1965 B15 SOLTANE (4) Tall escape 1976 B16 SOLTANE (5) Tall escape 1970 B17 SOLTANE (6) Tall escape 1970 B18 SOLTANE (7) Tall escape 1970 B19 AL-ASKRA AL-ASKRA Tall escape 1970 B20 AL-ASKRA AL-ASKRA Tall escape 1970 B21 Coda canal Bridge 1965 B22 AZIT bridge Oela canal Bridge 1965 B23 AHMED BASA Pipe line 1960 B24 Fr ee alkasi Fr ee alkasi Pipe line 1960 B25 ILAT canal ILAT canal TLAT canal 1960 B27 ALI HAFZ Aqueduct 1960				214	150	147	520	230	3,000	2,760	12,000	11,500	2,000	800	350	4,580	9'000'5
NO. Name Canal Type B14 SOLTANE (3) Tall escape B15 SOLTANE (4) Tall escape B16 SOLTANE (4) Tall escape B17 SOLTANE (5) Tall escape B18 SOLTANE (5) Tall escape B19 ALSKRA Tall escape B21 ALSKRA Tall escape B22 AZIT bridge Oda canal Bridge B23 AHMED BASA Pipe line B24 Free alkasi Free alkasi Pipe line B25 ILAT canal TLAT canal Aqueduct B25 ALHAFZ ALI HAFZ Aqueduct				1965	1975	1964	1970	1970	1980	1970	1965	1950	1995	1998	1960	1960	1960
No. Name B14 SOLTANE (3) B15 SOLTANE (4) B16 SOLTANE (5) B17 SOLTANE (6) B18 SOLTANE (7) B20 ASCHAMSHE B21 Cola canal B22 AZIT bridge B23 AHMED BASA B24 Fr ee akasi B25 ILAT canal B26 ILAT canal B27 ALI HAFZ				ail escape	ail escape	ail escape	all escape	ail escape	ail escape	ail escape	egpi	əğpi	be line	be line	heduct	neduct	queduct
No. Name B14 SOLTANE (3) B15 SOLTANE (4) B16 SOLTANE (5) B17 SOLTANE (6) B18 SOLTANE (7) B20 ASCHAMSHE B21 Cola canal B22 AZIT bridge B23 AHMED BASA B24 Fr ee akasi B25 ILAT canal B26 ILAT canal B27 ALI HAFZ		Canal								3HAMSHERGE T≀							
	L	ne		VE (3) SOL	NE (4) SOL		NE (6) SOL	NE (7) SOL		WSHE ALS			BASA AHIV		NAS		
				14 SOLTAI	15 SOLTA!	16 SOLTAI	17 SOLTAI	18 SOLTAI	19 AL-ASK	20 ALSHAN	21 Oela ca	22 AZIT bri	23 AHMED	24 Freeall	25 NASRT	26 TLAT C	27 ALIHAF
	H			B.	ώ	B,	<u> </u>	B.	. B.	B.	<u>B</u> ,	B,	<u>8</u>	B,	B.	B,	B.

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Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant

Continue	and replace \$50000 \$50000 \$55,000 \$55,000 \$55,000	eplace
Consultant Consultant Cost for verse Team of uncks Evaluation of the necessary survey or study Cost for very or study Cost for very or study Cost for study </td <td><u>500,000</u> within • • • • 5yrs</td> <td>eplace</td>	<u>500,000</u> within • • • • 5yrs	eplace
Consultant Cost for vects Evaluation of the necessary survey or study works works Geogra. Geologi. Surement volume lead or strong within 500.000 Within 250.000 Within 500.000 Within 5yrs Syrs 300.000 Within 5yrs Syrs 300.000 Within 5yrs Syrs 5yrs Syrs 5yrs Syrs	\$00,000 within 5yrs	
Constution Cost for uvorks Term of uvorks Evaluation of the necessary survey or uvorks \$500.000 Wilthin Second Wilthin Second	\$00,000 within 5yrs	
Consultant Cost for Term of ucorks works (4E) works within 500,000 5yrs 500,000 5yrs 5yrs 250,000 within 5yrs 300,000 within 5yrs 300,000 within 5yrs 500,000 5yrs 5yrs	\$00,000 within 5yrs	
Consultant Cost for Term of ucorks works (4E) works within 500,000 5yrs 500,000 5yrs 5yrs 250,000 within 5yrs 300,000 within 5yrs 300,000 within 5yrs 500,000 5yrs 5yrs	\$00,000 within 5yrs	
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Consultant Consultant Consultant Consultant Cost for C	200'000	
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of the and the across the of the ks on the ks on the ks on the hit of the hit of the line hit	and replace	eplace
Recommend the reconstruction works on the pipe canal. Recommend the reconstruction works on the pipe canal. Recommend the reconstruction works on the protection pipe at across the canal. Recommend the reconstruction and the protection pipe at across the canal. Recommend the reconstruction and the protection pipe at across the canal. Recommend the rehabilitation pipe at across the canal. Recommend to study more current status. Recommend to study more current status. Recommend to study more. Recommend to study more. Recommend to study more. Recommend to replace the grades.	Recommend the reconstruction and replace the gates.	Recommend the reconstruction and replace
Recommend the reconstruct The structure has been damaged by Weathering, Need the Recommend the reconstruct The structure has been damaged by Weathering, Need the Recommend the reconstruct The structure has been damaged and the gales can not work suitable. Need the reconstruction of the structure and structure and the protection works on the pipe at a across the canal. The structure has been damaged and the gales can not recommend the reconstruction of the structure and structure and the protection works on the pipe at across the canal. The structure has been damaged and the gales can not reconstruction of the structure and the protection works on the pipe at across the canal. The structure has been damaged and the gales can not represent the protection works on the pipe at across the canal. The structure has been damaged on surface. Those structure and the protection works on the pipe at across the canal. The structure has been damaged on surface. Those structure and the protection works on the pipe at across the canal. The structure has been damaged by Weathering. Recommend the reconstruction of the structure and the protection works on the pipe at across the canal. The structure has been damaged by Weathering. Recommend to study more cannot be structure been damaged by Weathering and the protection works on plue at across the canal. The structure has been damaged by Weathering and the protection works on plue at across the canal. The structure of the intake has been damaged by Weathering and the protection works on the pipe at across the canal. The structure of the structure been damaged by Weathering and the protection works on the pipe at across the canal. The structure of the gate in front of the intake and preferable attach the gate in front of the intake. The structure is not so bad. The district engineer request to Recommend to study more and rehabilitation of pipe at saction side and steel stage. The structure has been damaged by weathering and delevioration. The gate. The structure has b		The structure has been damaged by weathering and
500 000 250 000 250 000 250 000 300 000 000 300 000 300 000 300 000 300 000 300 000 300 000 300 000 300 000 000 300 000 000 300 00	200,000	
Evaluation by RCBS Necessary CEST Works (LE) Reconstruction 500,00 Reconstruction 250,00 Reconstruction 500,00 Reconstruction 500,00 Reconstruction 500,00 Reconstruction 500,00 Reconstruction 300,00 Reconstruction 300,00	Reconstruction	
Max dis. (m ³ /8) (m ³ /8) 2.89 2.89 4.60 4.60 4.00 4.00	1.13	
Somman 3,000	2,575	
1960 1960 1960 1960 1960 1968 1968 1968 1968 1968 1969 1969 1969	1918	
ejou sianiou si con	Intake	
	Al Sahliya canal Ir	
Mame ABO SHOSHE KI.5 ABO SHOSHE KI.5 ALBEN K.3 ALBEN K.3 ALBEN K.3 BNI SALH K.3 BNI SALH K.3 BNI SALH K.3 BNI SALH K.3 ALSH HIHA ALSH HIHA ALSH HIHA ALSH HIHA ALSH MASHMONIN canal	Al Desa canal	
Area NO. B28 B29 B31 B32 B33 B34 B34 AB1 AB2 AB2	M2	

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(6/9)		Entire cost(LE)	206,000	309,000	206,000	30,000	309,000	309,000	361,000	300,900	309,000	51,000	412,000	361,000	51,000
	Coct for	survey (LE)	000'9	000'6	000'9	0	000'6	000'6	11,000	000'6	000'6	1,000	12,000	11,000	1,000
		1													
		ge strength e test													
		Mea- Discharge surement volume	•	_	•	•	•	•	•		•	_	•		•
	100	Seogra. Geologi. Surement volume test or study													
		Geogra.	•	•	•		•	•	•	•	•		•	•	
		Term of works	within 5yrs	within 5yrs	within 5yrs	within 10yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs
	onsultant	works (LE)	200,000	300,000	200,000	30,000	300,000	300'000	350,000	300,000	300,000	50,000	400,000	350,000	20,000
	Evaluation by Consultant	Recommendation	Recommend the reconstruction and preferable replace the gates at the same time.	Recommend the reconstruction and replace the gates. Preferable the construction of the new one out of village Zone toward northern (300m).	Recommend the reconstruction and replace the gates	Recommend the replace of the gate and rehabilitation of the structure.	Recommend the reconstruction and replace the gates	Recommend the reconstruction and replace the gate	Recommend the reconstruction and preferable replace the gate at same time.	Recommend the reconstruction and replace the gate	Recommend the reconstruction and preferable replace the gate at same time.	Recommend the rehabilitation of the structure and replace the gate		Recommend the reconstruction and preferable replace the gate at same time.	Recommend the rehabilitation of the structure and replace the gate
Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant		Evaluation of the structure and necessary works	The structure has been damaged by weathering and deterioration. The gate has not been so damaged. It is afraid of the weight of the vehicle. Need the reconstruction and preferable replace the gates at the same time.	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the deterioration and much garbage. Need the reconstruction and replace the gates. Preferable the construction of the new one out of village Zone toward northern (300m).	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and much garbage. Need the reconstruction and replace the gates	The structure is not so bad, the gate has been not so Recommend the replace of the damaged. Need the replace of the gate and rehabilitation of rehabilitation of the structure. the structure.		2)]	r t	The structure has been damaged by weathering and deterioration. The gate can not work at all by the failure. Need the reconstruction and replace the gate	The structure has been damaged by weathering and deterioration. The gate has not been damaged. Need the reconstruction and preferable replace the gate at same time.	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate can not work suitable by the deterioration. Need the rehabilitation of the structure and replace the gate	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate can not work suitable by the failure. Need the rehabilitation of the structure and replace the gate.	The structure has been damaged by weathering and deterioration. The gate has not been so damaged. Need the reconstruction and preferable replace the gate at same time.	The structure on surface has been damaged by weathering, Recommend the rehabilitation of the however these damge dose not seem fatal. The gate can structure and replace the gate not work suitable by the deterioration. Need the rehabilitation of the structure and replace the gate
BS and	by RGBS	Cost	150,000	300,000	170,000	300'000	300,000	200,000	100,000	100,000	100,000	300,000	200,000	200,000	200,000
etween RC	Evaluation by RGBS	Necessary	Rehabilitation	Reconstruction	Reconstruction	Rehabilitation	Rehabilitation	Reconstruction	Rehabilitation	Reconstruction	Rehabilitation	Rehabilitation	Reconstruction	Reconstruction	Reconstruction
able b	May dis	(m ₃ /s)	0.22	0.81	0.45	88'0	0.66	98:0	0.19	0.15	0.24	0.26	0.57	0.45	0.20
arison i	Comman	d area	200	1,850	1,020	2,000	1,500	820	430	350	540	009	1,300	1,020	444
Comp		Con. Yr.	1930	1920	1920	1061	1910	1919	1970	1970	1980	1910	1920	1919	1920
ncture ,		Туре	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake
Minor Str		Canal	2 Serry branch Serry Canal at Km intake 28.460	Bahab canal (33.15)	Al sahliya canal	Bahr yosef canal km (63.450)	Bahr yosef km(67.370)	Al Badraman canal at km 17.710	lbrahimia canal/ Serry canal	Serry canal	Serry canal	Bahr yosef km (69.240)	Al Dairotiya canal	Al Badraman I canal	Al Sahliya canal
ion of the		Name		5 th Branch canal	Al sharka canal	Asmant Intake	Balansora Intake	Derwa canal	AL-Hagat Intake	M11 Al-Sheikh Kelada	Al_Sheikh Yousef	El Sultan hassan	Ganabyia Al Ashmonin canal	Ganabiya Al Maniekly cana	Ganabyia Al Sahliya canal
valuati		Area No.	M4	M5	M6	M7	W8	M9	M10	M11	M12	M13	M14	M15	M16
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(6/L)		Entire cost(LE)	412,000	101,000	0	101,000	455,000	309,000	309,000	51,000	101,000	525,000	315,000	315,000	101,000	210,000
	Cost for		12,000	1,000	0	1,000	5,000	000'6	000'6	1,000	1,000	25,000	15,000	15,000	1,000	10,000
		76	5													•
		Seogra Geologi. Mea- Discharge strength Oler ter														
		Discharge											•	•		•
	1	Mea-	•	•		•	•	•	•	•	•	•	•	•	•	•
	Je neljen	Geologi.										•	•	•		•
	H		•	10				•	•			•	•	•		•
		Term of works	within 5yrs	within 10yrs	within 20yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 10yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 10yrs	within 5yrs
	onsultant Cost for	works	400,000	100,000	01	100,000	450,000	300,000	300'000	20'000	100,000	500,000	300,000	300,000	100,000	200,000
:	Evaluation by Consultant	Recommendation	Recommend the reconstruction and replace the gate.	Recommend the rehabilitation of the structure and maintenance of the gate	This structure finish the reconstruction already.	Recommend the rehabilitation of the structure and replace the gate.	Recommend the rehabilitation of the structure and replace the gate.	Recommend the reconstruction of the structure and preferable replace the gate at same time.	Recommend the reconstruction and replace of the gate.	Recommend the rehabilitation of the structure and replace the gate.	Recommend the rehabilitation of the structure and replace the gate.	Recommend the reconstruction and replace of the gate.	Recommend the reconstruction and replace of the gate.	Recommend the reconstruction and replace of the gate.	Recommend the rehabilitation of the structure, the gate and removal of the garbage.	Recommend more study to make clear of the function of the structure.
Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant		Evaluation of the structure and necessary works	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the deterioration. Need the reconstruction and replace the gate.	The structure on surface has been damaged by weathering, however these damage dose not seem fatal. The gate has not been damaged. Need the rehabilitation of the structure and maintenance of the gate	This structure finish the reconstruction already.		The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The surafce of to gate can be seen rust. Need the rehabilitation of the structure and replace the gate.	The structure has been damaged by weathering. The gate has not been so damaged. Need the reconstruction of the structure and preferable replace the gate at same time.	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure of and deterioration. Need the reconstruction and replace of the gate.	The structure is not so bad. The gate has not been so damaged. Need to keep the maintenace of the gate	The structure on surface has been damaged by weathering, Recommend the rehabilitation of the however these damge dose not seem fatal. The gate on the structure and replace the gate. surface can seen rust. Need the rehabilitation of the structure and replace the gate.	7	٦ و ئ	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure on and deterioration. Need the reconstruction and replace of the gate.	The structure on surface has been damaged by weathering, Recommend the rehabilitation of the however these damge dose not seem fatal. The gate has structure, the gate and removal of the surfacture, the gate and removal of the garbage.	The structure need the function of the regulation, however this structure does not the function of the regulation. Need more study to make clear of the function of the structure.
BS an	by RGBS	Cost	300,000	200,000	300,000	250,000	450,000	200'000	300,000	190,000	300,000	100,000	250,000	250,000	200'000	200,000
stween RC	Evaluation by RGBS	Necessary	Rehabilitation	Reconstruction	Rehabilitation	Reconstruction	Reconstruction	Reconstruction	Rehabilitation	Reconstruction	Reconstruction	Rehabilitation	Reconstruction	Reconstruction	Reconstruction	Reconstruction
able be	Max dis.	(m ³ /s)	0.88	0.39	0.13	0.11	0.92	0.61	2.42	1.00	60:00	0.18	0.88	0.33	71.0	0.53
rison T.	nau	d area	2,000	880	300	250	2,100	1,395	5,500	2,280	200	400	2,000	750	1,750	1,200
Compa		Con. Yr.	1902	1917	1990	1936	1980	1919	1902	1910	1908	1970	1922	1922	1918	
ucture ;		Туре	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Regulator
Minor Str		Canal	Bahr yosef canal km (75.475)	Al Badraman canal at km 12.100	Bahr yosef at km 28.460	Dahab canal	Bahr yosef - sabaa canal	Al Badraman canal	Dahab canal km (0.4)	Dahab canal km (49.75)	Dawood main canal	Ebrahemia canal / serry canal at km 106.350	The west hafeze canal at km 14.700	The west hafeze canal	Al Sahliya canal	Desout / Ebraheemeyya
ion of the		Name	Mabrouk Intake	M18 Mahmoud c	M19 Moussa 2	M20 Nasser Feeder Dahab canal	M21 North Bahnasa Bahr yosef - sabaa canal	M22 Om El Al Bac Kousour canal canal	M23 Raheil intake ((M24 Sakiet Dakouf	M25 laheir intake c	M26 Tambo intake s	The Left Dairotyia canal	The Right Dairotyia cana	The West M29 Rayramon A	M30 East Desout
aluat		Area No.	M17	M18	M19	MZO	M21	M22	M23	M24	M25	M26	M27	M28	M29	M30
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(6/8)	Entire	cost(LE)	101,000	3,700	309,000	361,000	525,000	525,000	155,000	206,000	1,030,000	315,000	52,000	258,000	155,000
		c _(LE)	1,000		000'6	11,000	25,000	25,000	5,000	000'9	30'000	15,000	2,000	8,000	2,000
	1. 1	Oter test st. or survey (
	Evaluation of the necessary survey or study	strength C													
	essary su	Discharge volume					•	•				•	•		
	f the nec	Mea- surement	•	•	•	•	•	•	•	•	•	•	•	•	•
	luation o	a. Geologi.					•	•							
	H	S Geogra.		•	5.00	•	•	• 5.00	•	•	• ·	• 5.00		•	• 5.00
ınt	r Term of	works	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs	within 5yrs
Consulta	Cost for	WOFKS (LE)	100,000		300,000	350,000	200'000	200'000	150,000	200'000	1,000,000	300,000	20,000	250,000	150,000
Evaluation by Consultant			Recommend the rehabilitation of the structure and replace of the gate.	Recommend the reconstruction at front of the intake and preferabel replace the gate at same time.	Recommend the reconstruction and replace of the gate.	Recommend the reconstruction with changing to the suitable vent and preferabele replace of the gate at same time.	Recommend the reconstruction and replace of the gate.	Recommend the reconstruction and replace of the gate.	Recommend the reconstruction and replace of the gate	Recommend the reconstruction (preferable design more low level at top of guide) and replace of the gate.	Recommend the reconstruction at front of the intake and replace the gate. Preferable support inner of pipe.	Recommend the reconstruction (should be check the level of the intake) and replace of the gate.	Recommend the rehabilitation of the structure and maintenance of the gate.	Recommend the reconstruction at front of the intake and pretable replace the gate at same time.	egulation function, however there is Recommend the reconstruction at front of nstruction at front of the intake and the intake and install the gate.
Evaluation of the Minor Structure ; Comparison Table between RGBS and Consultant		Evaluation of the structure and necessary works	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate has been damaged and can not work suitable by failure. Need the rehabilitation of the structure and replace of the gate.	The structure has been damaged by weathering, however these damge seem at surround the gate. The gate has not been so damaged. Need the reconstruction at front of the intake and preferabel replace the gate at same time.	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.	The structure has been damaged, additionally, has the trouble of the fair water distribution, due to the narrow vents. The gate has not been so damaged. Need the reconstruction with changing to the suitable vent and	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.	The structure has been damaged by weathering and Recommer deterioration. The gate can not work at all by the failure and of the gate deterioration. Need the reconstruction and replace of the gate	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction (preferable design more low level at top of guide.) and replace of the	The structure has been damaged by weathering, however these damge seem at surround the gate. The gate can not by work suitable by rust. Need the reconstruction at front of the intake and replace the gate. Preferable support inner of pipe.	The structure has been damaged by weathering and Recomin deterioration. The gate can not work suitable by the failure check the and deterioration. Need the reconstruction (should be check the gate the level of the intake) and replace of the gate.	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate has not been so damaged. Need the rehabilitation of the structure and maintenance of the gate.	The structure has been damaged by weathering, however these damge seem at surround the gate. The gate has not been so damaged. Need the reconstruction at front of the intake and prefable replace the gate at same time.	The structure need the r not gate. Need the recoi install the gate.
BS and	y Rubs	Cost (LE)	150,000	400	200,000	250,000	250,000	300,000	150,000	200'000	200'000	150,000	200'000	250,000	150,000
tween RC	Evaluation by RGBS	Necessary works	Reconstruction	Reconstruction	Reconstruction	New construction	Reconstruction	Reconstruction	Rehabilitation	Rehabilitation	Reconstruction	Rehabilitation	Reconstruction	Reconstruction	New construction
able be	Max dis.	(s) m)	0.62	1.63	0.85	0.97	1.42	2.20	0.44	1.10	0.26	0.44	0.22	4.40	0.44
rison Ta	_	area	1,400	3,700	1,930	2,200	3,224	5,000	1,000	2,500	009	1,000	200	10,000	1,000
Compa	Con. Yr.		1970	1904	1919	1912	1918	1918	1950	1975	1950	1950		1990	
cture ;	Туре		Intake	egulator	Regulator	Regulator	Regulator	Regulator	Regulator	Regulator	Intake	Regulator	Regulator	Regulator	Regulator
Minor Stru	Canal		Ebraheemeyya In	Menshat Al-Dahab Regulator	Al Badraman canal at km R 17.710	The East hafeze R	Al Sahilya canal R	Al Sahilya canal R	Ebraheemeyya R	Ebraheemeyya R		Ebraheemeyya R. Canal	Ebraheemeyya R. Canal		Ebraheemeyya R. Canal
ion of the	Name		M31 Barbakh Bani Et	M32 Abu Hashima M	M33 A Maniekly ca regulator 17	Al Sahala Regulator	M35 canal Reg.	M36 Drain Al	M37 Branch Et	M38 Canal Et	Abu Hassba Cana Ebraheemeyya	M40 Al-Gendeyya Et	South Darweesh Canal	M42 Sawada Canal River Nile	M43 West Desout Ca
uati	No.		M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	M41	M42	M43

Remarks: Gray hatting is shown the different evaluation between RGBS and Consultant

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Eval	Evaluation of the	he Minor Structure ;	ructure ;	Compa	rison T.	able be	Comparison Table between RGBS and	BS and	Consultant										(6/6)	⊊۲
					Comman	dio velle	Evaluation by RGBS	by RGBS		Evaluation by Consultam	onsultant	Ī					Ī			Т
Area	No. Name	Canal	Туре	Con. Yr.		(m ³ /s)	Necessary works	Cost (LE)	Evaluation of the structure and necessary works	Recommendation	vorks (LE)	Term of works	Evaluation Geogra.	Geologi. Sureme	ea- Discharge went volume	strength test	. ts ≳	survey (LE)	Entire cost(LE)	
	1 Safsafa M44 Branch	Ebraheemeyya Canal	Regulator		006	0.40	New construction	200'000	The district engineer requested to need new regulator at following picture showed. In this case, need more study the purpose of the structure and condition of the water level, also discharge volume etc.	Recommend to more study the purpose of the structure and condition of the water level, also discharge volume etc.	300,000	within 5yrs	•	•	•		•	15,000	315,000	8
	M45 Banywallems Escape	ns Serry Canal	Tailescape	1950	2,700	0.30 F	Reconstruction	50,000	The structure has been deterioration. Need the	Recommend the reconstruction and install the gate	20,000	within 5yrs	•		•			2,000	52,000	8
	M46 Branch	Ebraheemeyya Branch	Tailescape	1945	1,200	0.13 F	Rehabilitation	150,000	The structure has been damaged by weathering and 150,000 deterioration. Need the reconstruction and install the gate	Recommend the reconstruction and install the gate	20,000	within 5yrs	•		•			2,000	52,000	8
	M47 2 Safsafa Branch	Ebraheemeyya Canal	Tailescape		006	0.10 F	Reconstruction	150,000	The structure has been expired almost (we could not see structure). According to the hearing to farmer, the water has not been reached up the bank, therefore, there is no	There is no problem	OI	within 20yrs						0		0
	M48 Yousef Branch	Ebraheemeyya Ich Canal	Tailescape	1950	009	9 200	Reconstruction		The pipe has been broken at under the road. Need the reconstruction with replace the pipe.	Recommend the reconstruction with replace the pipe.	50,000	within 5yrs	•		•			2,000	52,000	8
	West M49 Tahnasha Branch	Al Badraman canal	Tailescape		410	0.05	Reconstruction	150,000	The structure has been damaged by weathering and deterioration. Need the reconstruction and install the gate	Recommend the reconstruction and install the gate	50,000	within 5yrs	•		•			2,000	52,000	8
	M50 Abu Haseeba Branch	ba Ebraheemeyya Canal	Pump station	1985, 2000	1,000	0.44	Construction	200,000	One of two pumps is expired. Need the replace the pump and rehabilitation.	Recommend the replace the pump and rehabilitation.	200,000	within 5yrs			•		•	000'9	206,000	8
	Hassen Basha M51 Drain Pump stailon	ha Hassen Basha Drain /Serry canal	Pump station		000'09	09:9	New structure	200'000	Currently, this structure is siphon. In this site has the problem of the low water level, therefore the district engineer requested the pump station instead of the siphon. Need the more study of the actual status.	Recommend the more study of the actual status.	500,000	within 5yrs			•		•	15,000	515,000	8
	Samalout M52 Canal Pump station	Ebraheemeyya Canal	Pump station	2000	1,000	0.50	New construction	250,000	The demand of the water has been increased, therefore one spare pump is required. Need the installation of the new pump.	Recommend the installation of the new pump.	250,000	within 5yrs	•	•	•		•	13,000	263,000	00
	M53 Sawada Intake S	ike Sawada Intake River Nile	Siphon		1,500	99'0	Rehabilitation	300	The pipe is not so bad, however the structure at edge of the pipe has been damaged. Need the rehabilitation of the structure at edge of the pipe.	however the structure at edge of the Recommend the rehabilitation of the structure at edge of the pipe. ; pipe.	20,000	within 5yrs	•		•			2,000	52,000	8
	Waslet Al- Shere'l	ELFASHEN CANAL / EBRAHEMIA CANAL	Bridge	1970	400	0.18	Rehabilitation	000'08	The water throgh the pipe is prevented the garbage. At across the drain, the pipe prevent the fair water. Need the reconstruction as the siphon	Recommend the reconstruction as the siphon	000'08	within 5yrs	•	•	•			4,000	84,000	8
	M55 Canal 1	ELFASHEN /a CANAL / EBRAHEMIA CANAL	Bridge	1955	1,300	0.57	Rehabilitation	200,000	The structure has been damaged by weathering and 200,000 deterioration. Need the reconstruction	Recommend the reconstruction	300.000	within 5yrs	•	•	•			15,000	315,000	8
	M56 Canal 1		Bridge	1955	1,500	9 99:0	Rehabilitation	200,000	The structure has been damaged by weathering and deterioration. Need the reconstruction.	Recommend the reconstruction.	300,000	within 5yrs	•	•	•			15,000	315,000	8
	M57 Ma'atan Bridge	ige Serry Canal	Bridge	1950	15,000	6.60 F	Reconstruction	500,000	The structure has been damaged by weathering and deterioration. Need the reconstruction.	Recommend the reconstruction.	200,000	within 5yrs	•	•	•			25,000	525,000	8
	M58 Regulator	Al Badraman canal	Regulator	1917	6,935	3.05 F	Reconstruction	200,000	The structure has been damaged by weathering and deterioration. The gate has been expired, there is not gate. Need the reconstruction and install the gate		200'000	within 5yrs	•	•	•			10,000	210,000	8
	SHEIKH M59 YOUSEF BRANCH	Ebraheemeyya Canal	Bridge	1950	350	_	Rehabilitation	150,000	The structure has been damaged by weathering and deterioration. The narrow vent prevent the fair water. Need the reconstruction with wide vent.		150,000	within 5yrs	•	•	•			8,000	158,000	8
Remi	M60 CANAL arks : Grav ha	M60 WEST ABA Etraheemeyya Bridge 1,999 1,500 0.66 Rehabilitation 150,000 Canal Canal Salown the different evaluation between RGBS and Consultant	Bridge The differ	1989 rent evalu	1,500	0.66 F	Rehabilitation 3BS and Cor	_	The structure has been damaged by weathering and deterioration. The narrow vent prevent the fair water. Need the reconstruction with wide vent	Recommend the reconstruction with wide vent	150,000	within 5yrs	•		•			8,000	158,000	8

Evaluation by Consultant in Minya

Reference Number of the structure or facility	M1	Location of the structure or facility	Al Dairotiya caı	nal
Type of Structure or facility	Intake	Name of the structure or facility	Al Ashmonin ca	nal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	Α
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by failure and deterioration. Need the reconstruction and replace the gates.			
Additional Survey, if any	if any The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	5	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction and replace the gates.
Working life by empirical	within 5yrs	necommend the reconstruction and replace the gates.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M2	Location of the structure or facility	Al Sahliya car	ial
Type of Structure or facility	Intake	Name of the structure or facility	Al Desa cana	al
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure and gate has been damaged by weathering and deterioration. The much garbage prevet the fair water. Need the reconstruction and replace the gates.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace the gates.
Working life by empirical	within 5yrs	necommend the reconstruction and replace the gates.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M3	Location of the structure or facility	Serry Canal at Km	27.525
Type of Structure or facility	Intake	Name of the structure or facility	Serry Branch	1
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by deterioration. Need the reconstruction and replace the gates.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace the gates.
Working life by empirical	within 5yrs	necommend the reconstruction and replace the gates.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M4	Location of the structure or facility	Serry Canal at Km	28.460
Type of Structure or facility	Intake	Name of the structure or facility	2 Serry branch in	ntake
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	S .	ed by weathering and deterioratio le. Need the reconstruction and p	•	•
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank: C	5	Recommend the reconstruction and preferable replace the
Working life by empirical	within 5yrs	gates at the same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M5	Location of the structure or facility	Bahab canal (33	.15)
Type of Structure or facility	Intake	Name of the structure or facility	5 th Branch car	nal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	Α
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	deterioration and much garbage	ed by weathering and deterioration. Need the reconstruction and re		
Additional Survey, if any	the new one out of village Zone <u>Additional survey</u> : The geogr	toward northern (300m). aphical survey at surround area,	measurement in more detail of	the structure.

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	8	- Need the suitable works orgently within syrs
Number of the Rank : C	1	Recommend the reconstruction and replace the gates. Preferable the
Working life by empirical	within 5yrs	construction of the new one out of village Zone toward northern (300m).

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	 M6	Location of the structure or facility	Al sahliya can	al
Type of Structure or facility	Intake	Name of the structure or facility	Al sharka can	al
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				-
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and much garbage. Need the reconstruction and replace the gates			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction and replace the gates
Working life by empirical	within 5yrs	neconfinentia the reconstruction and replace the gates

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M7	Location of the structure or facility	Bahr yosef canal km	(63.450)
Type of Structure or facility	Intake	Name of the structure or facility	Asmant Intak	e
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is not so bad, the of the structure.	gate has been not so damaged.	Need the replace of the gate a	nd rehabilitation
Additional Survey, if any	The measurement in more deta	il of the structure.		

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 10yrs and keep watching the
Number of the Rank : B	7	condition and maintenance
Number of the Rank : C	5	Recommend the replace of the gate and rehabilitation of
Working life by empirical	within 10yrs	the structure.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M8	Location of the structure or facility	Bahr yosef km(67.370)	
Type of Structure or facility	Intake	Name of the structure or facility	Balansora Intake	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the deterioration. Need the reconstruction and replace the gates			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction and replace the gates
Working life by empirical	within 5yrs	The confinence the reconstruction and replace the gates

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	 M9	Location of the structure or facility	Al Badraman canal at	km 17.710
Type of Structure or facility	Intake	Name of the structure or facility	Derwa canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		,		_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the deterioration and much garbage. Need the reconstruction and replace the gate			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction and replace the gate
Working life by empirical	within 5yrs	The confinence the reconstruction and replace the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M10	Location of the structure or facility	Ibrahimia canal/ Ser	ry canal
Type of Structure or facility	Intake	Name of the structure or facility	AL-Hagat Intal	ke
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				<u> </u>
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate has not been damaged. Need the reconstruction and preferable replace the gate at same time.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	6	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and preferable replace the
Working life by empirical	within 5yrs	gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M11	Location of the structure or facility	Serry canal	
Type of Structure or facility	Intake	Name of the structure or facility	Al-Sheikh Kela	da
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work at all by the failure. Need the reconstruction and replace the gate			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

<u>Evaluation</u> A

Items	number	evaluation
Number of the Rank : A	5	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction and replace the gate
Working life by empirical	within 5yrs	Recommend the reconstruction and replace the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M12	Location of the structure or facility	Serry canal	
Type of Structure or facility	Intake	Name of the structure or facility	Al_Sheikh You	sef
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate has not been damaged. Need the reconstruction and preferable replace the gate at same time.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	Need the suitable works orgently within syrs
Number of the Rank: C	7	Recommend the reconstruction and preferable replace the
Working life by empirical	within 5yrs	gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M13	Location of the structure or facility	Bahr yosef km (69.240)	
Type of Structure or facility	Intake	Name of the structure or facility	El Sultan hassan	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate can not work suitable by the deterioration. Need the rehabilitation of the structure and replace the gate			
Additional Survey, if any	The measurement in more of	letail of the structure.		

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	- Need the Sultable works digently within 5yrs
Number of the Rank: C	5	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

 $[\]ensuremath{^{"*"}}$: Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M14	Location of the structure or facility	Al Dairotiya canal	
Type of Structure or facility	Intake	Name of the structure or facility	Ganabyia Al Ashmonin canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate can not work suitable by the failure. Need the rehabilitation of the structure and replace the gate.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	- Need the Sultable works digently within 5yrs
Number of the Rank: C	5	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M15	Location of the structure or facility	Al Badraman canal	
Type of Structure or facility	Intake	Name of the structure or facility	Ganabiya Al Maniekly canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate has not been so damaged. Need the reconstruction and preferable replace the gate at same time.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	Need the suitable works orgently within syrs
Number of the Rank: C	4	Recommend the reconstruction and preferable replace the
Working life by empirical	within 5yrs	gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M16	Location of the structure or facility	Al Sahliya can	al
Type of Structure or facility	Intake	Name of the structure or facility	Ganabyia Al Sahliya canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate can not work suitable by the deterioration. Need the rehabilitation of the structure and replace the gate			
Additional Survey, if any	The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M17	Location of the structure or facility	Bahr yosef canal km	(75.475)
Type of Structure or facility	Intake	Name of the structure or facility	Mabrouk Intake	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment		<u>, </u>		_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the deterioration. Need the reconstruction and replace the gate.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction and replace the gate.
Working life by empirical	within 5yrs	Recommend the reconstruction and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M18	Location of the structure or facility	Al Badraman canal at	km 12.100
Type of Structure or facility	Intake	Name of the structure or facility	Mahmoud canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate has not been damaged. Need the rehabilitation of the structure and maintenance of the gate			
Additional Survey, if any	The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	6	condition and maintenance
Number of the Rank: C	5	Recommend the rehabilitation of the structure and
Working life by empirical	within 10yrs	maintenance of the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M19	Location of the structure or facility	Bahr yosef at km 28.460 Moussa	
Type of Structure or facility	Intake	Name of the structure or facility		
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	This structure finish the reconstruction already.			
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	0	condition and maintenance
Number of the Rank : C	12	This structure finish the reconstruction already.
Working life by empirical	within 20yrs	This structure infisit the reconstruction already.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M20	Location of the structure or facility	Dahab cana	
Type of Structure or facility	Intake	Name of the structure or facility	Nasser Feeder	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate can not work suitable by the deterioration. Need the rehabilitation of the structure and replace the gate.			
Additional Survey, if any	The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M21	Location of the structure or facility	Bahr yosef - sabaa	canal
Type of Structure or facility	Intake	Name of the structure or facility	North Bahnasa canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment		<u>, </u>		
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The surafce of gate can be seen rust. Need the rehabilitation of the structure and replace the gate.			
Additional Survey, if any	The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M22	Location of the structure or facility	Al Badraman ca	anal
Type of Structure or facility	Intake	Name of the structure or facility	Om El Kousour (canal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering. The gate has not been so damaged. Need the reconstruction of the structure and preferable replace the gate at same time.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction of the structure and
Working life by empirical	within 5yrs	preferable replace the gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M23	Location of the structure or facility	Dahab canal km	(0.4)
Type of Structure or facility	Intake	Name of the structure or facility	Raheil intake	;
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	3	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	The confinence the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M24	Location of the structure or facility	Dahab canal km (49.75)
Type of Structure or facility	Intake	Name of the structure or facility	Sakiet Dakoi	uf
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is not so bad. The gate has not been so damaged. Need to keep the maintenace of the gate			
Additional Survey, if any	The measurement in more deta	ail of the structure.		

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 10yrs and keep watching the
Number of the Rank : B	6	condition and maintenance
Number of the Rank : C	6	Recommend to keep the maintenace of the gate
Working life by empirical	within 10yrs	The confinence to keep the maintenace of the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M25	Location of the structure or facility	Dawood main ca	anal
Type of Structure or facility	Intake	Name of the structure or facility	taheir intake	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate on the surface can seen rust. Need the rehabilitation of the structure and replace the gate.			
Additional Survey, if any	The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	6	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M26	Location of the structure or facility	Ebrahemia canal / serry 106.350	canal at km
Type of Structure or facility	Intake	Name of the structure or facility	Tambo intak	е
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		ed by weathering and deterioration the reconstruction and replace of		ble by the
Additional Survey, if any	The geographical survey at sur detail of the structure.	round area, geological survey (a	t least one boring), measureme	nt in more

Items	number	evaluation
Number of the Rank : A	5	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	The confine in the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M27	Location of the structure or facility	The west hafeze canal a	it km 14.700
Type of Structure or facility	Intake	Name of the structure or facility	The Left Dairotyia	canal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	necommend the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M28	Location of the structure or facility	The west hafeze	canal
Type of Structure or facility	Intake	Name of the structure or facility	The Right Dairotyia canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	necommend the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M29	Location of the structure or facility	Al Sahliya can	al
Type of Structure or facility	Intake	Name of the structure or facility	The West Rayramo	n canal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate has not been so damaged. Need the rehabilitation of the structure, the gate and removal of the garbage.			
Additional Survey, if any	The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	5	condition and maintenance
Number of the Rank: C	6	Recommend the rehabilitation of the structure, the gate
Working life by empirical	within 10yrs	and removal of the garbage.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M30	Location of the structure or facility	Desout / Ebraheer	neyya
Type of Structure or facility	Regulator	Name of the structure or facility	East Desout	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>А</td></actual<2>	enough	А
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment		,		
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure need the function of the regulation, however this structure does not the function of the regulation. Need more study to make clear of the function of the structure.			
Additional Survey, if any		cture, then examin the geographical s detail of the structure, check of the d		I survey (at least

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	0	need the suitable works orgently within syrs
Number of the Rank : C	9	Recommend more study to make clear of the function of
Working life by empirical	within 5yrs	the structure.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M31	Location of the structure or facility	Ebraheemeyy	а
Type of Structure or facility	Intake	Name of the structure or facility	Barbakh Bani Ma	azar
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate has been damaged and can not work suitable by failure. Need the rehabilitation of the structure and			
Additional Survey, if any	replace of the gate. Additional Survey: The measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank: A	2	Need the cuitable works Urgently within Eyrs
Number of the Rank : B	4	Need the suitable works Urgently within 5yrs
Number of the Rank: C	6	Recommend the rehabilitation of the structure and replace
Working life by empirical	within 5yrs	of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*": Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M32	Location of the structure or facility	Menshat Al-Dah	nab
Type of Structure or facility	Regulator	Name of the structure or facility	Abu Hashima	l
				Selection
ITEMS	Rank : A	Rank : B	Rank : C	of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering, however these damge seem at surround the gate. The gate has not been so damaged. Need the reconstruction at front of the intake and preferabel replace the gate at			
Additional Survey, if any	same time. <u>Additional Survey</u> : The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction at front of the intake and
Working life by empirical	within 5yrs	preferabel replace the gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M33	Location of the structure or facility	Al Badraman canal at	km 17.710
Type of Structure or facility	Regulator	Name of the structure or facility	Al Maniekly regulator	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	Recommend the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M34	Location of the structure or facility	The East hafeze canal Al Sahala Regulator	
Type of Structure or facility	Regulator	Name of the structure or facility		
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	vents. The gate has not been s	ed, additionally, has the trouble o so damaged. Need the reconstruc		
Additional Survey, if any	preferabele replace of the gate <u>Additional survey</u> : The geogr	at same time. aphical survey at surround area,	measurement in more detail of	the structure.

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction with changing to the suitable
Working life by empirical	within 5yrs	vent and preferabele replace of the gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M35	Location of the structure or facility	Al Sahliya can	al
Type of Structure or facility	Regulator	Name of the structure or facility	Al Sahliya canal Reg.	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	necommend the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M36	Location of the structure or facility	Al Sahliya car	al
Type of Structure or facility	Regulator	Name of the structure or facility	Al Takhfeef Drain	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction and replace of the gate.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace of the gate.
Working life by empirical	within 5yrs	necommend the reconstruction and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M37	Location of the structure or facility	Ebraheemeyy	<i>r</i> a
Type of Structure or facility	Regulator	Name of the structure or facility	Ban Al-Alam Branch	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work at all by the failure and deterioration. Need the reconstruction and replace of the gate			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction and replace of the gate
Working life by empirical	within 5yrs	The confinence the reconstruction and replace of the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M38	Location of the structure or facility	Ebraheemeyy	а
Type of Structure or facility	Regulator	Name of the structure or facility	East Aba Canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	Α
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate can not work suitable by the failure and deterioration. Need the reconstruction (preferable design more low level at top of guide) and			
Additional Survey, if any	replace of the gate. <u>Additional survey</u> : The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	- Need the Sultable works orgently within syrs
Number of the Rank: C	3	Recommend the reconstruction (preferable design more low
Working life by empirical	within 5yrs	level at top of guide) and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M39	Location of the structure or facility	Ebraheemeyy	a
Type of Structure or facility	Intake	Name of the structure or facility	Abu Hassiba Cana.	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	Α
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance		<u> </u>		-
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering, however these damge seem at surround the gate. The gate can not work suitable by rust. Need the reconstruction at front of the intake and replace the gate. Preferable			
Additional Survey, if any	support inner of pipe. Additional survey: The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation	
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs	
Number of the Rank : B	3	Indeed the Sultable works orgently within syrs	
Number of the Rank: C	5	Recommend the reconstruction at front of the intake and	
Working life by empirical	within 5yrs	replace the gate. Preferable support inner of pipe.	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M40	Location of the structure or facility	Ebraheemeyya (Canal
Type of Structure or facility	Regulator	Name of the structure or facility	Al-Gendeyya Ca	anal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>А</td></actual<2>	enough	А
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	failure and deterioration. Need the reconstruction (should be check the level of the intake) and replace of the			
Additional Survey, if any	The generaphical survey at surround area, measurement in more datail of the structure, check of the			

Items	number	evaluation
Number of the Rank : A	6	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	3	Recommend the reconstruction (should be check the level
Working life by empirical	within 5yrs	of the intake) and replace of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M41	Location of the structure or facility	Ebraheemeyya C	anal
Type of Structure or facility	Regulator	Name of the structure or facility	South Darweesh (Canal
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance	_			_
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				_
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. The gate has not been so damaged. Need the rehabilitation of the structure and maintenance of the gate.			
Additional Survey, if any	The measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the rehabilitation of the structure and
Working life by empirical	within 5yrs	maintenance of the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M42	Location of the structure or facility	River Nile	
Type of Structure or facility	Regulator	Name of the structure or facility	Sawada Cana	al
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				_
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		ed by weathering, however these d the reconstruction at front of th		
Additional Survey, if any	time. <u>Additonal survey</u> : The geographical survey at surround area, measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	- Need the suitable works digently within syrs
Number of the Rank: C	6	Recommend the reconstruction at front of the intake and
Working life by empirical	within 5yrs	prefable replace the gate at same time.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M43	Location of the structure or facility	Ebraheemeyya (Canal
Type of Structure or facility	Regulator	Name of the structure or facility	West Desou	t
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure need the regulation function, however there is not gate. Need the reconstruction at front of the intake and install the gate.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction at front of the intake and
Working life by empirical	within 5yrs	install the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M44	Location of the structure or facility	Ebraheemeyya (Canal
Type of Structure or facility	Regulator	Name of the structure or facility	1 Safsafa Brar	ch
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		to need new regulator at follown are and condition of the water leve		need more
Additional Survey, if any		cture, then examin the geographical detail of the structure, check of the c		I survey (at least

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	0	need the suitable works orgently within syrs
Number of the Rank : C	10	Recommend to more study the purpose of the structure and
Working life by empirical	within 5yrs	condition of the water level, also discharge volume etc.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M45	Location of the structure or facility	Serry Canal	
Type of Structure or facility	Tail escape	Name of the structure or facility	Bany wallems Es	cape
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance	_			_
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. Need the reconstruction and install the gate			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank: C	6	Recommend the reconstruction and install the gate
Working life by empirical	within 5yrs	Recommend the reconstruction and install the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M46	Location of the structure or facility	Ebraheemeyya B	ranch
Type of Structure or facility	Tail escape	Name of the structure or facility	1 Al-Safsafa Branch	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. Need the reconstruction and install the gate			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	Need the Sultable works orgently within 5yrs
Number of the Rank : C	6	Recommend the reconstruction and install the gate
Working life by empirical	within 5yrs	necommend the reconstruction and install the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M47	Location of the structure or facility	Ebraheemeyya C	anal
Type of Structure or facility	Tail escape	Name of the structure or facility	2 Safsafa Branch	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance	_			
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	•	almost (we could not see structu the bank, therefore, there is no p	,	o farmer, the
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	0	condition and maintenance
Number of the Rank: C	12	There is no problem
Working life by empirical	within 20yrs	There is no problem

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

 $[\]ensuremath{^{"*"}}$: Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M48	Location of the structure or facility	Ebraheemeyya (Canal
Type of Structure or facility	Tail escape	Name of the structure or facility	Al-Sheikh Yousef Branch	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance	_			_
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The pipe has been broken at under the road. Need the reconstruction with replace the pipe.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank: C	6	Recommend the reconstruction with replace the pipe.
Working life by empirical	within 5yrs	necommend the reconstruction with replace the pipe.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M49	Location of the structure or facility	Al Badraman ca	anal
Type of Structure or facility	Tail escape	Name of the structure or facility	West Tahnasha Branch	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				_
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. Need the reconstruction and install the gate			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank: C	7	Recommend the reconstruction and install the gate
Working life by empirical	within 5yrs	neconfinent the reconstruction and install the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M50	Location of the structure or facility	Ebraheemeyya (Canal
Type of Structure or facility	Pump station	Name of the structure or facility	Abu Haseeba Branch	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance	_			
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	One of two pumps is expired. Need the replace the pump and rehabilitation.			
Additional Survey, if any	Check the necessary performance and the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the replace the pump and rehabilitation.
Working life by empirical	within 5yrs	Recommend the replace the pump and renabilitation.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M51	Location of the structure or facility	Hassen Basha Drain /S	Serry canal
Type of Structure or facility	Pump station	Name of the structure or facility	Hassen Basha Drain Po	ump station
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>А</td></actual<2>	enough	А
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				-
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		on. In this site has the problem of tation instead of the siphon. Nee		
Additional Survey, if any		necessary performance and the	-	natus.

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the more study of the actual status.
Working life by empirical	within 5yrs	Recommend the more study of the actual status.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M52	Location of the structure or facility	Ebraheemeyya C	Canal
Type of Structure or facility	Pump station	Name of the structure or facility	Samalout Canal Pum	p station
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		,		
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				-
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The demand of the water has b the new pump.	een increased, therefore one spa	re pump is required. Need the	installation of
Additional Survey, if any		cture, then examin the geographical s detail of the structure, check of the d		I survey (at least

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the installation of the new pump.
Working life by empirical	within 5yrs	Recommend the installation of the new pump.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M53	Location of the structure or facility	Sawada Intake Riv	er Nile
Type of Structure or facility	Siphon	Name of the structure or facility	Sawada Intake si	phon
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The pipe is not so bad, however the structure at edge of the pipe has been damaged. Need the rehabilitation of the structure at edge of the pipe.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	- Need the Sultable works digently within 5yrs
Number of the Rank: C	5	Recommend the rehabilitation of the structure at edge of
Working life by empirical	within 5yrs	the pipe.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M54	Location of the structure or facility	Serry Canal	
Type of Structure or facility	Aqueduct	Name of the structure or facility	Waslet Al-Sher	e'l
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The water through the pipe is prevented the garbage. At across the drain, the pipe prevent the fair water. Need the reconstruction as the siphon			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction as the siphon
Working life by empirical	within 5yrs	Recommend the reconstruction as the siphon

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M55		ELFASHEN CANAL / EB CANAL	RAHEMIA
Type of Structure or facility	Bridge	Name of the structure or facility	Al-Fashneyya Ca	nal 2
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. Need the reconstruction			
Additional Survey, if any	0 0 1	round area, geological survey (at the discharge volume in a year.	t least one boring), measureme	nt in more

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction
Working life by empirical	within 5yrs	Recommend the reconstruction

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M56	Location of the structure or facility	ELFASHEN CANAL / EB CANAL	RAHEMIA
Type of Structure or facility	Bridge	Name of the structure or facility	Al-Fashneyya Ca	nal 1
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. Need the reconstruction.			
Additional Survey, if any		round area, geological survey (a the discharge volume in a year.	t least one boring), measureme	nt in more

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction.
Working life by empirical	within 5yrs	Recommend the reconstruction.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M57	Location of the structure or facility	Serry Canal	
Type of Structure or facility	Bridge	Name of the structure or facility	Ma'atan Bridg	le
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. Need the reconstruction.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction.
Working life by empirical	within 5yrs	Neconnicia de reconstraction.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M58	Location of the structure or facility	Al Badraman ca	anal
Type of Structure or facility	Regulator	Name of the structure or facility	Morgan Regula	itor
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The gate has been expired, there is not gate. Need the reconstruction and install the gate			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction and install the gate
Working life by empirical	within 5yrs	necommend the reconstruction and install the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M59	Location of the structure or facility	Ebraheemeyya Canal	
Type of Structure or facility	Bridge	Name of the structure or facility	SHEIKH YOUSEF BRANCH	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	Α
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The narrow vent prevent the fair water. Need the reconstruction with wide vent.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction with wide vent.
Working life by empirical	within 5yrs	Recommend the reconstruction with wide vent.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	M60	Location of the structure or facility	Ebraheemeyya Canal WEST ABA CANAL	
Type of Structure or facility	Bridge	Name of the structure or facility		
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and deterioration. The narrow vent prevent the fair water. Need the reconstruction with wide vent			
Additional Survey, if any	The geographical survey at sur discharge volume in a year.	round area, measurement in more	e detail of the structure, check	of the

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	9	Recommend the reconstruction with wide vent
Working life by empirical	within 5yrs	The confinential the reconstruction with wide vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Evaluation by Consultant in Beni-Suef

Reference Number of the structure or facility	 B1	Location of the structure or facility	ALFANT cana	al
Type of Structure or facility	Intake	Name of the structure or facility	ALFANT	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				_
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u>, </u>		_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	At downstream, 500m, from the garbage urgently.	om the intake, many garbaç	ge prevet fair water. Need	to remove
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	
Number of the Rank : B	6	Structure is not so bad. Recommend the removal of the garbage at downstream
Number of the Rank : C	6	urgently
Working life by empirical	within 5 yrs*	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B2	Location of the structure or facility	ELSHARAHN AELK	(ABLIA
Type of Structure or facility	Intake	Name of the structure or facility	ELSHARAHN AELKABLIA	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	At downstream, 100m, from the garbage urgently.	om the intake, many garbaç	ge prevet fair water. Need	to remove
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	
Number of the Rank : B	3	Recommend the removal of the garbage at downstream
Number of the Rank : C	9	urgently
Working life by empirical	within 5 yrs*	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B3	Location of the structure or facility	Elmagrofa elgr	bia
Type of Structure or facility	Intake	Name of the structure or facility	Elmagrofa elgrbia	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance		,		_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has few damage. Need the maintenance of the gate			
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	1	condition and maintenance
Number of the Rank : C	11	Recommend the maintenance of the gate
Working life by empirical	within 20yrs	Recommend the maintenance of the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B4	Location of the structure or facility	ELSAHARA ca	nal
Type of Structure or facility	Intake	Name of the structure or facility	ELSAHARA	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment		,		
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged heavily by Weathering. Need the reconstruction and recommend to support into the pipe.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction and recommend to
Working life by empirical	within 5yrs	support into the pipe.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B5	Location of the structure or facility	KELA canal	
Type of Structure or facility	Intake	Name of the structure or facility	KELA	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work at all. Need the reconstruction and replace the gates.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	5	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction and replace the gates.
Working life by empirical	within 5yrs	necommend the reconstruction and replace the gates.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	В6	Location of the structure or facility	Amar AELKAB	LIA
Type of Structure or facility	Intake	Name of the structure or facility	Amar AELKAB	LIA
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment		,		
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work at all. Need the reconstruction and replace the gate.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	5	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	Need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction and replace the gate.
Working life by empirical	within 5yrs	Recommend the reconstruction and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	В7	Location of the structure or facility	Ashmant ALKAE	BLIA
Type of Structure or facility	Pipi line	Name of the structure or facility	Ashmant ALKAE	BLIA
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by Weathering. Need the replace the pipe and install the gate in front of the pipe.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	Theed the suitable works orgently within syrs
Number of the Rank: C	7	Recommend the replace the pipe and install the gate in
Working life by empirical	within 5yrs	front of the pipe.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B8	Location of the structure or facility	HAGR ALAHO	N
Type of Structure or facility	Intake	Name of the structure or facility	HAGR ALAHO	N
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction and replace the gate.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	Integration of the suitable works organity within syrs
Number of the Rank : C	5	Recommend the reconstruction and replace the gate.
Working life by empirical	within 5yrs	- Recommend the reconstruction and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	В9	Location of the structure or facility	MOMTEZ CANAL	/ Giza
Type of Structure or facility	Intake	Name of the structure or facility	MOMTEZ CAN	AL
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the intake and replace the gate.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the			f the

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction of the intake and replace
Working life by empirical	within 5yrs	the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*": Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B10	Location of the structure or facility	ELATHAR canal / Gi	za canal
Type of Structure or facility	Intake	Name of the structure or facility	ELATHAR	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is not so bad. Need the maintenance and replace the gate.			
Additional Survey, if any	Measurement in more detail of the gate			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 10yrs and keep watching the
Number of the Rank : B	6	condition and maintenance
Number of the Rank : C	6	Recommend the maintenance and replace the gate.
Working life by empirical	within 10yrs	necommend the maintenance and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B11	Location of the structure or facility	ABWED	
Type of Structure or facility	Intake	Name of the structure or facility	ABWED	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>А</td></actual<2>	enough	А
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
B Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. This intake has severe problem to fair water. Need the reconstruction of the intake to take into consideration of the loction.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure and check the effect of the sedimentation.			

<u>Evaluation</u>

Items	number	evaluation
Number of the Rank : A	6	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	Inveed the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction of the intake with take into
Working life by empirical	within 5yrs	consideration of the loction of the intake.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B12	Location of the structure or facility	ALI HAFEZ	
Type of Structure or facility	Tail escape	Name of the structure or facility	ALI HAFEZ	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the structure and replace the gate.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank: C	7	Recommend the reconstruction of the structure and
Working life by empirical	within 5yrs	replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B13	Location of the structure or facility	DALAS WES	Г
Type of Structure or facility	Tail escape	Name of the structure or facility	DALAS WES	Г
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The gate is not so bad. Need the some rehabilitation and maintenance of the gate.			
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank : C	9	Recommend the some rehabilitation and maintenance of
Working life by empirical	within 20yrs	the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B14	Location of the structure or facility	SOLTANE (3)
Type of Structure or facility	Tail escape	Name of the structure or facility	SOLTANE (3)
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance		,		
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is not so ba upstream.	d. Need the some rehabilit	ation and removal of the	weeds at
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	4	condition and maintenance
Number of the Rank : C	8	Recommend the some rehabilitation and removal of the
Working life by empirical	within 20yrs	weeds at upstream.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B15	Location of the structure or facility	SOLTANE (4)
Type of Structure or facility	Tail escape	Name of the structure or facility	SOLTANE (4)
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the structure and replace the gate.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction of the structure and
Working life by empirical	within 5yrs	replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B16	Location of the structure or facility	SOLTANE (5)
Type of Structure or facility	Tail escape	Name of the structure or facility	SOLTANE (5)
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been e. problem	xpired almost. According to	the hearing at site, there	is no
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	4	condition and maintenance
Number of the Rank : C	8	Recommend the removal of the garbage at end of pipe.
Working life by empirical	within 20yrs	The commend the removal of the garbage at end of pipe.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B17	Location of the structure or facility	SOLTANE (6)
Type of Structure or facility	Tail escape	Name of the structure or facility	SOLTANE (6)
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. Need the some rehabilitation and replace the gate.			
Additional Survey, if any	Measurement in more detail of the structure and gate.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	6	condition and maintenance
Number of the Rank : C	5	Recommend the some rehabilitation and replace the gate.
Working life by empirical	within 10yrs	The confinence the Some renabilitation and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B18	Location of the structure or facility	SOLTANE (7)
Type of Structure or facility	Tail escape	Name of the structure or facility	SOLTANE (7)
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure on surface has been damaged by weathering, however these damge dose not seem fatal. Need the some rehabilitation and replace the gate.			
Additional Survey, if any	Measurement in more detail of the structure and gate.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	6	condition and maintenance
Number of the Rank : C	5	Recommend the some rehabilitation and replace the gate.
Working life by empirical	within 10yrs	The confinence the Some renabilitation and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B19	Location of the structure or facility	AL-ASKRA	
Type of Structure or facility	Tail escape	Name of the structure or facility	AL-ASKRA	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged. According to the hearing, the water has not been reached up tail escape, however, there is no problem. Need the some rehabilitation for the structure.			
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank : C	8	Recommend the some rehabilitation.
Working life by empirical	within 10yrs	necommend the some renabilitation.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B20	Location of the structure or facility	ALSHAMSHER	GE
Type of Structure or facility	Tail escape	Name of the structure or facility	ALSHAMSHER	GE
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged. According to the hearing, the water has not been reached up tail escape, however, there is no problem. Need the some rehabilitation and remove the weeds.			
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	2	condition and maintenance
Number of the Rank : C	9	Recommend the some rehabilitation and remove the
Working life by empirical	within 10yrs	weeds.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B21	Location of the structure or facility	Qela canal	
Type of Structure or facility	Bridge	Name of the structure or facility	Qela canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
B Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		s been damaged by Weathering. to check the current strength of t	•	not seem fatal
Additional Survey, if any		re should be checked by the test. nt in more detail of the structure	. Then examine the geographic	al survey at

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	9	Recommend to study more or test to check current status.
Working life by empirical	within 5yrs	Recommend to study more or test to check current status.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B22	Location of the structure or facility	Qela canal	
Type of Structure or facility	Bridge	Name of the structure or facility	AZIT bridge	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by Weathering. Especially there are cracks to be cared on the abut pier. Need the reconstruction.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	9	Recommend the reconstruction
Working life by empirical	within 5yrs	Recommend the reconstruction

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B23	Location of the structure or facility	Beni Kasem / K 5	5.000
Type of Structure or facility	Pipe line	Name of the structure or facility	AHMED BAS	A
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by Weathering. Especially there are much garbage to prevent the fairs water. Need to replace the pipe to more wide and remove the garbage.			
Additional Survey, if any	The measurement in more detail of the pipe and length			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	6	Need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the replace the pipe to more wide and remove
Working life by empirical	within 5yrs	the garbage.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B24	Location of the structure or facility	Fare alkasi	
Type of Structure or facility	Pipe line	Name of the structure or facility	Fare alkasi	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction and replace the gate.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	3	Recommend the reconstruction and replace the gate.
Working life by empirical	within 5yrs	Recommend the reconstruction and replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B25	Location of the structure or facility	NASRT cana	I
Type of Structure or facility	Aqueduct	Name of the structure or facility	NASRT	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged. Need the reconstruction of the intake and remove the weed and sedimentation in front of the intake.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	6	Need the suitable works orgently within syrs
Number of the Rank : C	3	Recommend the reconstruction of the intake and remove the
Working life by empirical	within 5yrs	weed and sedimentation in front of the intake.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B26	Location of the structure or facility	TLAT canal	
Type of Structure or facility	Culvert	Name of the structure or facility	TLAT canal	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>А</td></actual<2>	enough	А
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	They want to change to the Aqueduct for the difficulty of the supply water.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure and check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	6	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the construction as the aqueduct.
Working life by empirical	within 5yrs	ncecommend the construction as the aqueduct.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B27	Location of the structure or facility	ALI HAFZ	
Type of Structure or facility	Aqueduct	Name of the structure or facility	ALI HAFZ	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by Weathering. Need the reconstruction of the structure and replace the steel pipe.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the reconstruction of the structure and
Working life by empirical	within 5yrs	replace the steel pipe.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: $A'' = 2 \sim 12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B28	Location of the structure or facility	ABO SHOSH	E
Type of Structure or facility	Siphon	Name of the structure or facility	ABO SHOSHE I	(0.8
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by Weathering. Need the reconstruction of the structure, replace the steel pipe and the protection works on the pipe at across the canal.			
Additional Survey, if any	The geographical survey	surround area and measur	ement in more detail of the	ne structure

Items	number	evaluation	
Number of the Rank : A	2	Nood the suitable works Urgently within Eyrs	
Number of the Rank : B	5	Need the suitable works Urgently within 5yrs	
Number of the Rank : C	5	Recommend the reconstruction of the structure, replace the steel pipe	
Working life by empirical	within 5yrs	and the protection works on the pipe at across the canal.	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B29	Location of the structure or facility	ABO SHOSH	E
Type of Structure or facility	Siphon	Name of the structure or facility	ABO SHOSHE k	(1.5
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the structure and the protection works on the pipe at across the canal.			
Additional Survey, if any	The geographical survey surround area and measurement in more detail of the structure			

Items	number	evaluation	
Number of the Rank : A	3	Nood the suitable works Urgently within Eyrs	
Number of the Rank : B	3	Need the suitable works Urgently within 5yrs	
Number of the Rank : C	6	Recommend the reconstruction of the structure and the	
Working life by empirical	within 5yrs	protection works on the pipe at across the canal.	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: $A'' = 2 \sim 12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B30	Location of the structure or facility	Soltane / K 1	2
Type of Structure or facility	Siphon	Name of the structure or facility	Sleem Sipho	n
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the structure and the protection works on the pipe at across the canal.			
Additional Survey, if any	The geographical survey	surround area and measur	ement in more detail of the	ne structure

Items	number	evaluation	
Number of the Rank : A	3	Nood the suitable works Urgently within Eyrs	
Number of the Rank : B	3	Need the suitable works Urgently within 5yrs	
Number of the Rank : C	6	Recommend the reconstruction of the structure and the	
Working life by empirical	within 5yrs	protection works on the pipe at across the canal.	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = $2\sim12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B31	Location of the structure or facility	Qela	
Type of Structure or facility	Siphon	Name of the structure or facility	GOHR K15	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged and the gates can not work suitable. Need the reconstruction of the structure and the protection works on the pipe at across the canal.			
Additional Survey, if any	The geographical survey surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction of the structure and the
Working life by empirical	within 5yrs	protection works on the pipe at across the canal.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B32	Location of the structure or facility	ALLAHON / Bahr \	ousef
Type of Structure or facility	Siphon	Name of the structure or facility	ALBEN K3	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged on surface. Those damage has been not fatal damage. Need the rehabilitation of the structure and the protection works on the pipe at across the canal.			
Additional Survey, if any	The measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	4	condition and maintenance
Number of the Rank: C	7	Recommend the rehabilitation of the structure and the protection
Working life by empirical	within 10yrs	works on the pipe at across the canal.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B33	Location of the structure or facility	ABOSHOSH	P
Type of Structure or facility	Siphon	Name of the structure or facility	BANI SALIH K	(3
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The surface of the structure been damaged by Weathering. However, these damage does not seem fatal damage. Need more some test to check the current strength of the brick			
Additional Survey, if any	First, the strength of the structure should be checked by the test. Then examine the geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation	
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs	
Number of the Rank : B	3	- Need the suitable works digently within syrs	
Number of the Rank : C	7	Recommend to study more or test to check current status.	
Working life by empirical	within 5yrs	Recommend to study more or test to check current status.	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B34	Location of the structure or facility	ABOSHOSHA K	(2.8
Type of Structure or facility	Pipe line	Name of the structure or facility	ALSHIKH YAH	IA
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	В
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure of the intake has been damaged by Weathering. Need the reconstruction of the intake and preferable install the gate in front of the intake.			
Additional Survey, if any	The geographical survey at surround area and measurement in more detail of the structure			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	6	need the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction of the intake and
Working life by empirical	within 5yrs	preferable attach the gate in front of the intake.

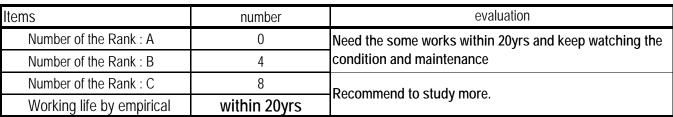
[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	B35	Location of the structure or facility	Ibrahimia can	al
Type of Structure or facility	VVΩIr	Name of the structure or facility	Hdar bin hinder	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is not so bad. water shortage in the future.	The district engineer request t	to be low crest level of the v	veir for the
Additional Survey, if any	Need more study concerning upstream by bellowing the c	g the water management at th rest level.	is structure and the effect fo	orward the



[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: $A'' = 2\sim 12$, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- "Rank:A = 1", anyway or "Rank:B = 6~12 and Rank:C = 0~6"

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0~5"

[&]quot;*": Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	 AB1	Location of the structure or facility	DALAS West Ca	nal
Type of Structure or facility	Pump station	Name of the structure or facility	DALAS West Pump	station
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance		,		-
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	В
Remarks, if any	One of three pumps is expire and steel stage.	ed. Need to install the new on	e and rehabilitation of pipe a	at saction side
Additional Survey, if any	The performance of this pun Need the study of the actual	np are lower than necessary p status.	performance, due to the low	level water.

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend to study more.
Working life by empirical	within 5yrs	Recommend to study more.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

 $[\]ensuremath{^{"*"}}$: Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	AB2	Location of the structure or facility	Ibrahimia can	al
Type of Structure or facility	Regulator	Name of the structure or facility	Waseta Regula	tor
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the at surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The surface of the gate has been damaged. There are the hole and rust on the surface of the gate. Need to replace the gate.			
Additional Survey, if any	Measurement in more detail	of the structure		

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend to replace the gate
Working life by empirical	within 5yrs	The confinence to replace the gate

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Evaluation by Consultant in Fayoum

Reference Number of the structure or facility	F1	Location of the structure or facility	Bats Drain	
Type of Structure or facility	Weir	Name of the structure or facility	Hear weir	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	А
8 Damage of the mechanical facility or steel material	heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is very dangerous gates	s condition by the much discharge	e. Need the reconstruction and	replace all the
Additional Survey, if any		round area, geological survey (at the discharge volume in a year.	least one boring), measurement	nt in more

Items	number	evaluation	
Number of the Rank : A	6	Need the suitable works Urgently within 5yrs	
Number of the Rank : B	1	need the suitable works orgently within syrs	
Number of the Rank : C	5	Recommend the reconstruction and replace all the gates	
Working life by empirical	within 5yrs	Recommend the reconstruction and replace all the gates	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F2	Location of the structure or facility	Bats Drain	
Type of Structure or facility	Weir	Name of the structure or facility	El asaba nast	oa
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The sturucture has been damaged by weatherd and cracks. Need the reconstruction of the structure.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction of the structure.
Working life by empirical	within 5yrs	necommend the reconstruction of the structure.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F3	Location of the structure or facility	El Elaam	
Type of Structure or facility	Regulator	Name of the structure or facility	El Elaam	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and the wide of vent is so narrow. Need the reconstruction of the structure, one of the two structures			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

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Items	number	evaluation	
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs	
Number of the Rank : B	3	need the suitable works orgently within syrs	
Number of the Rank : C	6	Recommend the reconstruction of the structure	
Working life by empirical	within 5yrs	Recommend the reconstruction of the structure	

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F4	Location of the structure or facility	Sennors	
Type of Structure or facility	Weir	Name of the structure or facility	Behmo Nasb	a
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		ed by weathering and difficulty of ork at downstream of the structur		I the
Additional Survey, if any		round area, geological survey (at the discharge volume in a year.	least one boring), measuremen	nt in more

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	- Need the suitable works digently within syrs
Number of the Rank: C	7	Recommend the reconstruction and protection work on
Working life by empirical	within 5yrs	downstream

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Data Sheet for the Evaluation Reference Number of Location of F5 Sennors the structure or facility the structure or facility Name of Type of Structure or facility Weir El shoremy nasba the structure or facility Selection **ITEMS** Rank: A Rank: B Rank: C of Rank Hydraulic performance low level very low level C 1 Actual water level enough or Actual<2/3Plan or 1/3 Plan<Actual<2/3Plan not difficult or 2 Fair discharge volume hard to fair water difficult to fair water Α suitable to fair water 3 Sedimentation around the C much vol. not so much structure 4 Garbage around the structure C much vol. not so much Structure stability 5 Weathering of the structure Α heavy light few or no Crack or scouring of part on 6 structure Α many not so many few or no 7 Settling of the structure or little or no C heavy light mechanical facility or steel material Damage of the mechanical C heavy light little or no facility or steel material

Operation and Maintenance				_	
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С	
12 Cost for maintenance at present		high	not so high	С	
	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction of the structure widening the vent.				
	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.				

not experienced but

need the rehabilitation

density area or main

road

more than one (1)

not so density area

evaluation

Need the suitable works Urgently within 5yrs

Recommend the reconstruction widening the vent

В

С

Rehabilitation in past time

9 Times of the rehabilitation

10 Condition of the surround

Number of the Rank: A

Number of the Rank: B

Number of the Rank: C

Working life by empirical

Social environment

Evaluation

Items

number

3

1

within 5yrs

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- "Rank:A = 1 ", anyway or "Rank:B = 6~12 and Rank:C = 0~6 "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*": Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F6	Location of the structure or facility	Sersena Elemoi	mey
Type of Structure or facility	Weir	Name of the structure or facility	Gadona	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damage reconstruction of the structure v	ed by weathering and difficulty of widening the vent.	the fair water distribution. Nee	d the
Additional Survey, if any	0 0 .	surround area, geological sur- check of the discharge volum	3 .	easurement in

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank : C	8	Recommend the reconstruction widening the vent
Working life by empirical	within 10yrs	Recommend the reconstruction widening the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F7	Location of the structure or facility	El Elaam	
Type of Structure or facility	Culvert	Name of the structure or facility	Zmloty Culve	rt
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		ed by weathering and difficulty of e reconstruction of the structure a		much garbage
Additional Survey, if any	0 0 .	surround area, geological sur- check of the discharge volum	3 .	easurement in

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction
Working life by empirical	within 5yrs	neconfinentia the reconstruction

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	 F8	Location of the structure or facility	El nazla	
Type of Structure or facility	Weir	Name of the structure or facility	Brka weir	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any		ed by weathering and difficulty of ork at downstream of the structur		d the
Additional Survey, if any		round area, geological survey (at the discharge volume in a year.	least one boring), measureme	nt in more

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction and protection work at
Working life by empirical	within 5yrs	downstream of the structure.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F9	Location of the structure or facility	Bahr Wahby	ı
Type of Structure or facility	Intake	Name of the structure or facility	El serb intak	9
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction of the structure, replace the gate and protection work at downstream of the structure.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction of the structure, replace the gate
Working life by empirical	within 5yrs	and protection work at downstream of the structure.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F10	Location of the structure or facility	Yousef	
Type of Structure or facility	Intake	Name of the structure or facility	Hawara Intak	e
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		,		_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged on surface. Those damage will be dealt by rehabilitation. Need the rehabilitation of the structure (The new pump station near site. This pump will be worked instead of this intake)			
Additional Survey, if any	Measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the rehabilitation of the structure
Working life by empirical	within 5yrs	Recommend the renabilitation of the structure

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F11	Location of the structure or facility	El nazla	
Type of Structure or facility	Weir	Name of the structure or facility	El meshrak nas	sba
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	Α
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	Α
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. It is afraid of the scouring at downstream. Need the reconstruction and protection work at downstream of the structure.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

<u>Evaluation</u>

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgenity within syrs
Number of the Rank : C	6	Recommend the reconstruction and protection work at
Working life by empirical	within 5yrs	downstream of the structure.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F12	Location of the structure or facility	El meshark	
Type of Structure or facility	Weir	Name of the structure or facility	EI hmam nask	oa
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. It is afraid of the scouring at downstream. Need the reconstruction and protection work at downstream of the structure.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	3	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction and protection work on
Working life by empirical	within 5yrs	downstream

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F13	Location of the structure or facility	El Ghark	
Type of Structure or facility	Weir	Name of the structure or facility	TALET nasba	3
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>В</td></actual<2>	enough	В
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	- Need the Sultable works digently within 5yrs
Number of the Rank : C	7	Recommend the reconstruction with changing of the
Working life by empirical	within 5yrs	width the intake

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F14	Location of the structure or facility	ZAWEA	
Type of Structure or facility	Weir	Name of the structure or facility	Abd El rhman weir	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance		<u> </u>		_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged on surface. Those damage will be dealt by rehabilitation. It is afraid of the scouring at downstream. Need the rehabilitation and protection work at downstream of the structure.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank: C	8	Recommend the rehabilitation of the protection work on
Working life by empirical	within 10yrs	downstream

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F15	Location of the structure or facility	ZAWEA	
Type of Structure or facility	Weir	Name of the structure or facility	naklefa intak	Э
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction widening the vent
Working life by empirical	within 5yrs	Recommend the reconstruction widening the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F16	Location of the structure or facility	ZAWEA	
Type of Structure or facility	Weir	Name of the structure or facility	Farsh weir	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				_
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction widening the vent
Working life by empirical	within 5yrs	Recommend the reconstruction widening the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F17	Location of the structure or facility	El masra	
Type of Structure or facility	Weir	Name of the structure or facility	elkharg intak	е
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged on surface. Those damage will be dealt by rehabilitation. Need the rehabilitation of the structure			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank : C	8	Recommend the rehabilitation of the body
Working life by empirical	within 10yrs	Recommend the remadilitation of the body

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F18	Location of the structure or facility	Elkharg	
Type of Structure or facility	Weir	Name of the structure or facility	End of elkharg nasba	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	Need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction widening the vent
Working life by empirical	within 5yrs	Recommend the reconstruction widening the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F19	Location of the structure or facility	Seila elomom	ıy
Type of Structure or facility	Weir	Name of the structure or facility	Seila nasba	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	Need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction widening the vent
Working life by empirical	within 5yrs	Recommend the reconstruction widening the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F20	Location of the structure or facility	Bahr Yousef Tanhala Intake	
Type of Structure or facility	Intake	Name of the structure or facility		
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment		,		
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance		<u> </u>		_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	It si difficult to do daily cleanning works. Need to install the mechanical Trash rack or other way			
Additional Survey, if any	Measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank : C	9	Recommend to install the mechanical Trash rack or other
Working life by empirical	within 20yrs	way

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F21	Location of the structure or facility	nazla	
Type of Structure or facility	Weir	Name of the structure or facility	Esmail abd el late	ef weir
				Calaatian
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	dditional Survey, if any The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			nt in more

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction with changing to the
Working life by empirical	within 5yrs	suitable width of the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F22	Location of the structure or facility	nazla	
Type of Structure or facility	Weir	Name of the structure or facility	Hassan afndy v	veir
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	В
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any		round area, geological survey (at the discharge volume in a year.	least one boring), measureme	nt in more

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	need the suitable works orgently within syrs
Number of the Rank : C	6	Recommend the reconstruction with changing to the
Working life by empirical	within 5yrs	suitable width of the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F23	Location of the structure or facility	nazla	
Type of Structure or facility	Weir	Name of the structure or facility	rawashdia we	ir
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	А
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment		<u> </u>		
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and difficulty of the fair water distribution. Need the reconstruction with changing to the suitable width of the vent			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	3	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	Need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the reconstruction widening the vent
Working life by empirical	within 5yrs	Recommend the reconstruction widening the vent

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

 $[\]ensuremath{^{"*"}}$: Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F24	Location of the structure or facility	nazla	
Type of Structure or facility	Weir	Name of the structure or facility	mezar	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				_
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	No problem. Becouse this struc	ture had already reconstructed		
Additional Survey, if any	Nothing			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching the
Number of the Rank : B	2	condition and maintenance
Number of the Rank : C	10	This structure had already reconstructed
Working life by empirical	within 20yrs	This structure had aiready reconstructed

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	F25	Location of the structure or facility	nazla	
Type of Structure or facility	Weir	Name of the structure or facility	Soleman	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged on surface. Those damage will be dealt by rehabilitation. It is afraid of the scouring at downstream. Need the rehabilitation and protection work at downstream of the structure.			
Additional Survey, if any	The geographical survey at surround area, measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	1	Need the some works within 10yrs and keep watching the
Number of the Rank : B	3	condition and maintenance
Number of the Rank : C	8	Recommend the rehabilitation of the protection work on
Working life by empirical	within 10yrs	downstream

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Evaluation by Consultant in Giza

Reference Number of the structure or facility	G1	Location of the structure or facility	Giza canal	
Type of Structure or facility	Regulator	Name of the structure or facility	El ayat	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	С
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	А
6 Crack or scouring of part on structure	many	not so many	few or no	А
7 Settling of the structure or mechanical facility or steel material	Fatal or heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	Fatal or heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С
Social environment				
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				=
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure has been damaged by weathering and the roughly rehabilitation in the past. Need the reconstruction of the structure and replace the gate.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	1	ineed the suitable works orgently within syrs
Number of the Rank : C	7	Recommend the reconstruction of the structure and
Working life by empirical	within 5yrs	replace the gate.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	G2	Location of the structure or facility	Giza canal	
Type of Structure or facility	Regulator	Name of the structure or facility	Abu rag wan	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	В
7 Settling of the structure or mechanical facility or steel material	Fatal or heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	Fatal or heavy	light	little or no	В
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure and gate are not so bad. However, much garbage prevent fair distribution. Need the removal of the garbage, rehabilitation of the gate and sturucture on surface.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 10yrs and keep watching the
Number of the Rank : B	7	condition and maintenance
Number of the Rank : C	5	Recommend the removal of the garbage, rehabilitation of
Working life by empirical	within 10yrs	the gate and the sturucture on surface.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	G3	Location of the structure or facility	Giza canal	
Type of Structure or facility	Regulator	Name of the structure or facility	El Hawamdia	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				_
5 Weathering of the structure	Fatal or heavy	light	few or no	В
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	Fatal or heavy	light	little or no	В
8 Damage of the mechanical facility or steel material	Fatal or heavy	light	little or no	А
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				_
10 Condition of the surround		density area or main road	not so density area	С
Operation and Maintenance				
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The structure is not so bad. However gates can not work almost. Only one gate at right side is working now. Need the replace all the gates and rehabilitation of the structure. Need the removal of the garbage.			
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.			

Items	number	evaluation
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	5	need the suitable works orgently within syrs
Number of the Rank : C	5	Recommend the replace all the gates, rehabilitation of
Working life by empirical	within 5yrs	structure and removal of the garbage.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Reference Number of the structure or facility	G4	Location of the structure or facility	El Mansoria canal	
Type of Structure or facility	Intake	Name of the structure or facility	El Mansoria intake	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank
Hydraulic performance				
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С
3 Sedimentation around the structure		much vol.	not so much	С
4 Garbage around the structure		much vol.	not so much	В
Structure stability				
5 Weathering of the structure	Fatal or heavy	light	few or no	С
6 Crack or scouring of part on structure	many	not so many	few or no	С
7 Settling of the structure or mechanical facility or steel material	Fatal or heavy	light	little or no	С
8 Damage of the mechanical facility or steel material	Fatal or heavy	light	little or no	С
Rehabilitation in past time				
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В
Social environment				
10 Condition of the surround		density area or main road	not so density area	В
Operation and Maintenance				_
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	С
12 Cost for maintenance at present		high	not so high	С
Remarks, if any	The much garbage prevent the structure on surface.	suitable distribution. Need the re	moval of the garbage and reha	bilitation of the
Additional Survey, if any		round area, geological survey (at the discharge volume in a year.	least one boring), measureme	nt in more

Items	number	evaluation
Number of the Rank : A	0	Need the some works within 20yrs and keep watching
Number of the Rank : B	3	the condition and maintenance
Number of the Rank: C		Recommend the removal of the garbage and rehabilitation of the structure on surface. And recommend to expire these gates, becouse
Working life by empirical	within 20yrs	new one is at dwonstream.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2-12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Data Sheet for the Evaluation

Reference Number of the structure or facility	G5	Location of the structure or facility	El zomaor car	nal	
Type of Structure or facility	Intake	Name of the structure or facility	El zomaor inta	ke	
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank	
Hydraulic performance					
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С	
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	В	
3 Sedimentation around the structure		much vol.	not so much	С	
4 Garbage around the structure		much vol.	not so much	В	
Structure stability					
5 Weathering of the structure	Fatal or heavy	light	few or no	А	
6 Crack or scouring of part on structure	many	not so many	few or no	А	
7 Settling of the structure or mechanical facility or steel material	Fatal or heavy	light	little or no	С	
8 Damage of the mechanical facility or steel material	Fatal or heavy	light	little or no	А	
Rehabilitation in past time					
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	В	
Social environment					
10 Condition of the surround		density area or main road	not so density area	В	
Operation and Maintenance					
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А	
12 Cost for maintenance at present		high	not so high	С	
Remarks, if any	The much garbage prevent the suitable distribution. The structure body has been damaged by the weathering Need the reconstruction and replace the gates.			the weathering.	
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.				

Evaluation

Items	number	evaluation
Number of the Rank : A	4	Need the suitable works Urgently within 5yrs
Number of the Rank : B	4	liveed the suitable works orgently within syrs
Number of the Rank : C	4	Recommend the reconstruction and replace the
Working life by empirical	within 5yrs	gates.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Data Sheet for the Evaluation

Reference Number of the structure or facility	AG1	Location of the structure or facility	El Mansoria ca	nal		
Type of Structure or facility	Regulator	Name of the structure or facility	El Mansoria regulator			
ITEMS	Rank : A	Rank : B	Rank : C	Selection of Rank		
Hydraulic performance						
1 Actual water level	very low level or Actual<2/3Plan	low level or 1/3 Plan <actual<2 3plan<="" td=""><td>enough</td><td>С</td></actual<2>	enough	С		
2 Fair discharge volume	hard to fair water	difficult to fair water	not difficult or suitable to fair water	С		
3 Sedimentation around the structure		much vol.	not so much	С		
4 Garbage around the structure		much vol.	not so much	С		
Structure stability						
5 Weathering of the structure	Fatal or heavy	light	few or no	В		
6 Crack or scouring of part on structure	many	not so many	few or no	В		
7 Settling of the structure or mechanical facility or steel material	Fatal or heavy	light	little or no	С		
8 Damage of the mechanical facility or steel material	Fatal or heavy	light	little or no	А		
Rehabilitation in past time						
9 Times of the rehabilitation		not experienced but need the rehabilitation	more than one (1)	С		
Social environment						
10 Condition of the surround		density area or main road	not so density area	С		
Operation and Maintenance	Operation and Maintenance					
11 Problem of Operation	Fatal problem (not working all etc.)	some problem (not working some etc.)	few or no problem	А		
12 Cost for maintenance at present		high	not so high	С		
Remarks, if any	The gates can not work and can not regulate the water. Need the rehabilitation of the structure on surface and replace the gates.					
Additional Survey, if any	The geographical survey at surround area, geological survey (at least one boring), measurement in more detail of the structure, check of the discharge volume in a year.					

Evaluation

Evaluation		7.1
Items	number evaluation	
Number of the Rank : A	2	Need the suitable works Urgently within 5yrs
Number of the Rank : B	2	need the suitable works orgently within syrs
Number of the Rank : C	8	Recommend the rehabilitation of the structure on surface
Working life by empirical	within 5yrs	and replace the gates.

[&]quot;Need the suitable works Urgently within 5yrs" ---- "Rank: A" = 2~12, anyway

[&]quot;Need the some works within 10yrs and keep watching the condition and maintenance" ---- " Rank: A = 1 ", anyway or " Rank: $B = 6 \sim 12$ and Rank: $C = 0 \sim 6$ "

[&]quot;Need the some works within 20yrs and keep watching the condition and maintenance" ---- "Rank: A" = 0 and Rank: B = 0-5"

[&]quot;*" : Evaluation does not depend on target structure but other condition or reason

Data Sheet by Consultant in Minya

Item	Number of Structure	Remarks
Intake	31	
Regulator	14	
Tail escape	5	
Culvert	0	
Siphon	1	
Aqueduct	0	
Bridge	6	
Weir	0	
Others	0	
Additional Structure	3	
Total Structure	60	

V	1	1	

1. Name	Al Ashmonin canal	2- Construction Year	1920	
3. TypeSelect fro	m as follow item (Intake,	Regulator, Tail escape)	Intake	
4. Canal's name / Main canal name Al Dairotiya canal				
5. Command Area (feddan)	9,225	6. Max discharge (m³/day) or (m³/s)	4.06 m3/s	
7. Length of Canal o	downstream the structure (km	1)	19.500	
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction	
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs	
10. Cost of the necessary works for improvement			<u>1,000,000 LE</u>	
11. Contents of the improvement	necessary works for	Need the reconstruction and replace t	he gates	
12. Existing problen	ns of the structure	The structure has been damaged by warm of work suitable by failure and do	veathering and deterioration. The gate eterioration.	
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Other	Brick	
14. Question and Di	mension of the structure (If	nothing of information, please	write "N")	
1) Gate Height (m	n)		2.10	
2) Gate Width (m)		3.00	
3) Number of Ver	nt (How many ?)		2	
4) Up stream water	er level EL(m)		Up Stream EL43.90	
5) Down stream water level EL(m)			Down Stream EL43.55	
6) Bed level EL(m	n)		EL41.30	
7) Gate type / Wood, Steal, Others, Nothing			Steel	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad		
9) Gate condition / Excellent, Good, Bad, Already Expire		Bad		
10) How often the	e maintenance / every half year	or 1 year nothing etc.		
11) Please write r	emarks, if any			
	Front	Тор	Side or Behind	
15. Picture				
16. Location / Also show the Location other MAP	El Diroutiya Ca	Gannabiat Ashmou Canal anal B Ashmounin Intake K		

Data Sheet for the Minor Structure

For Intake

1. Name	Al Desa canal	2- Construction Year	1918
3. TypeSelect fro	m as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name / M	ya canal		
5. Command Area (feddan)	2,575	6. Max discharge (m³/day) or (m³/s)	1.13 m3/s
7. Length of Canal	7. Length of Canal downstream the structure (km)		
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace t	
12. Existing probler	ms of the structure	The structure has been damaged by weatl The gate can not work suitable. The much	3
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		4.40
2) Gate Width (m)		2.50
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL44.30
5) Down stream v	water level EL(m)		Down Stream EL43.10
6) Bed level EL(n	າ)		EL42.20
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition / Excellent, Good, Bad, Already Expire		Bad	
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write ı	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		Rayramon Reg.	E Saheliya B Sahleliya Canal
	 ∃ Takhfe	ef Drain 147	<u> </u>

Doto	Shoot	for the	Minor	Structure
Dala	Sheer	ioi ille	IVIIIIOI	Structure

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Data Officer for	the Minor Structure	rorintake	IVIO		
1. Name	1 Serry Branch	2. Construction Year	1930		
3. TypeSelect fro	m as follow item (Intake,	Regulator, Tail escape)	Intake		
4. Canal's name / M	4. Canal's name / Main canal name Serry Canal at Km 27.525				
5. Command Area (feddan)	300	6. Max discharge (m³/day) or (m³/s)	0.13 m3/s		
7. Length of Canal o	downstream the structure (km	n)	1.340		
8. Necessary works for improvement / Rehabilitation or Reconstruction			Reconstruction		
9. Commencement of the necessary works for improvement			Within 5 yrs		
10. Cost of the necessary works for improvement			200,000 LE		
11. Contents of the improvement	necessary works for	Need the reconstruction and replace t	<u> </u>		
12. Existing probler	ms of the structure	The structure has been damaged by v can not work suitable by deterioration	veathering and deterioration. The gate		
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick		
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")		
1) Gate Height (n	n)		1.50		
2) Gate Width (m)		1.00		
3) Number of Ver	nt (How many ?)		1		
4) Up stream wat	er level EL(m)		Up Stream EL39.60		
5) Down stream v	water level EL(m)		Down Stream EL39.50		
6) Bed level EL(m	າ)		EL38.30		
7) Gate type / Wo	ood, Steal, Others, Nothing		Steel		
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Bad		
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad		
10) How often th	e maintenance / every half year	or 1 year nothing etc.			
11) Please write r	remarks, if any				
	Front	Тор	Side or Behind		
15. Picture					
16. Location / Also show the Location other MAP	Serri Can	Serri no 1 Br. Intake			

Doto	Shoot	for the	Minor	Structure
Dala	Sheer	ioi ille	IVIIIIOI	Structure

1. Name	2 Seery Branch	2. Construction Year	1930
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Serry Canal	at Km 28.460
5. Command Area (feddan)	500	6. Max discharge (m³/day) or (m³/s)	0.22 m3/s
7. Length of Canal	downstream the structure (km	n)	2.480
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	<u>200,000 LE</u>
11. Contents of the improvement	necessary works for	Need the reconstruction and preferable	
12. Existing proble	ms of the structure	The structure has been damaged by v has not been so damaged. It is afraid	veathering and deterioration. The gate of the weight of the vehicle.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If ı	nothing of information, please	write "N")
1) Gate Height (n	n)		2.00
2) Gate Width (m)		1.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL39.50
5) Down stream v	water level EL(m)		Down Stream EL39.40
6) Bed level EL(n	n)		EL37.80
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	bad
9) Gate condition / Excellent, Good, Bad, Already		/ Expire	not so bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Serri Can	Km 28.460 al Serri no 2 Br. Intake	

	the miner offactare	i oi iiitake	1410
1. Name	5 th Branch canal	2. Construction Year	1920
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Bahab cai	nal (33.15)
5. Command Area (feddan)	1,850	6. Max discharge (m³/day) or (m³/s)	0.81 m3/s
7. Length of Canal	downstream the structure (km	n)	4.300
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	1	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace t of the new one out of village Zone tow	• .
12. Existing probler	ms of the structure	The structure has been damaged by warm of the can not work suitable by the failure ar	veathering and deterioration. The gate and much garbage.
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Other	concrete
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		3.00
2) Gate Width (m)		2.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL37.00
5) Down stream v	vater level EL(m)		Down Stream EL36.37
6) Bed level EL(n	۱)		EL35.82
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write ı	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	5th G Manshat El Daha ———————————————————————————————————	ah Canal 5th Gannabia Intake	

Data Shee	t for th	e Minor	Structure
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1. Name	Al sharka canal	2- Construction Year	1920
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Al sahli	ya canal
5. Command Area (feddan)	1,020	6. Max discharge (m³/day) or (m³/s)	0.45 m3/s
7. Length of Canal	downstream the structure (km	1)	1.758
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	200,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace t	<u> </u>
12. Existing proble	ms of the structure	The structure has been damaged by v can not work suitable by the deteriora	veathering and deterioration. The gate tion and much garbage.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		4.00
2) Gate Width (m)		2.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL45.35
5) Down stream v	water level EL(m)		Down Stream EL44.90
6) Bed level EL(n	n)		EL43.00
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	bad
9) Gate condition / Excellent, Good, Bad, Already		/ Expire	bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Ganna ——————————————————————————————————	biat B Saheliya B Sherka Br. Intake	
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Data Shee	t for the	Minor	Structure
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1. Name	Asmant Intake	2. Construction Year	1901
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Bahr yosef car	nal km (63.450)
5. Command Area (feddan)	2,000	6. Max discharge (m³/day) or (m³/s)	0.88 m3/s
7. Length of Canal	downstream the structure (km	n)	2.450
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for im	provement	Within 10 yrs
10. Cost of the nece	essary works for improvemen	1	30,000 LE
11. Contents of the improvement	necessary works for	Need the maintenance of the gate and	I rehabilitation of the structure.
12. Existing probler	ms of the structure	The structure is not so bad, the gate h	as been not so damaged.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick-Mason
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		1.50
2) Gate Width (m)		1.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL39.90
5) Down stream v	water level EL(m)		Down Stream EL39.80
6) Bed level EL(n	n)		EL39.10
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			not so bad
9) Gate condition / Excellent, Good, Bad, Already Expire		not so bad	
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write ı	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Baher Yousef	Asmant Br. Intake Canal	

D	O L 4		B 4:	\sim .
Data	Sheet	tor the	Minor	Structure

•	-		
1. Name	Balansora Intake	2. Construction Year	1910
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Bahr yosef	km(67.370)
5. Command Area (feddan)	1,500	 Max discharge (m³/day) or (m³/s) 	0.66 m3/s
7. Length of Canal	downstream the structure (km	n)	2.760
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace t	he gates
12. Existing probler	ns of the structure	The structure has been damaged by v can not work suitable by the deterioral	veathering and deterioration. The gate tion.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Concrete
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Gate Height (n	n)		1.00
2) Gate Width (m)		1.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL39.60
5) Down stream v	water level EL(m)		N
6) Bed level EL(n	n)		EL39.10
7) Gate type / Wood, Steal, Others, Nothing			Steal
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition / Excellent, Good, Bad, Already Expire		Bad	
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write ı	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Km 67.370 Baher Yousef		

M9 For Intake Data Sheet for the Minor Structure 2- Construction Year 1919 1. Name Derwa canal 3. Type --Select from as follow item--(Intake, Regulator, Tail escape) Intake Al Badraman canal at km 17.710 4. Canal's name / Main canal name 6. Max discharge 5. Command Area 820 0.36 m3/s (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 2.580 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement Within 5 yrs 10. Cost of the necessary works for improvement 300,000 LE

11. Contents of the necessary works for	Need the reconstruction and replace the gate
improvement	riced the reconstruction and replace the gate
12. Existing problems of the structure	The structure has been damaged by weathering and deterioration. The gate
12. Existing problems of the structure	can not work suitable by the deterioration and much garbage.

12. Existing problems of the structure The structure has been damaged by weathering and deterioration. The gate can not work suitable by the deterioration and much garbage.	13. Material of the structure / Wood, Brick, Ston	,	Brick		
The structure has been damaged by weathering and deterioration. The gate	12. Existing problems of the structure	can not work suitable by the deterioration and much garbage.			
	12 Existing problems of the structure	The structure has been damaged by weathering and deterioration. The gate			

estion and Dimension of the structure (If nothing of information, please write "N")

1) Gate Height (m)	1.10
2) Gate Width (m)	1.00
3) Number of Vent (How many ?)	1
4) Up stream water level EL(m)	Up Stream EL44.10
5) Down stream water level EL(m)	Down Stream EL43.75
6) Bed level EL(m)	EL42.64
7) Gate type / Wood, Steal, Others, Nothing	Steel
8) Structure condition / Excellent, Good, Bad, Already Expire	bad
9) Gate condition / Excellent, Good, Bad, Already Expire	bad
10) How often the maintenance / every half year or 1 year nothing etc.	

11) Please write remarks, if any

	Front	Тор	Side or Behind
15. Picture			

16. Location / Also show the Location other MAP

Badraman Canal

Km 17.710

Derwa Canal Intake

Gannabiya B Menekly

Om El Kosour Canal

Data Sheet for the Minor Structure

For Intake

1. Name	AL-Hagat Intake	2. Construction Year	1970	
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake	
4. Canal's name / Main canal name Serry Canal				
5. Command Area (feddan)	430	6. Max discharge (m³/day) or (m³/s)	0.19 m3/s	
7. Length of Canal	downstream the structure (km	n)	3.180	
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>	
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs	
	essary works for improvemen	t	350,000 LE	
11. Contents of the improvement	necessary works for	Need the reconstruction and preferable	e replace the gate at same time.	
12. Existing proble	ms of the structure	The structure has been damaged by whas not been damaged.	veathering and deterioration. The gate	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick	
14. Question and D	imension of the structure (If ı	nothing of information, please	write "N")	
1) Gate Height (n	n)		2.50	
2) Gate Width (m)		1.20	
3) Number of Ve	nt (How many ?)		1	
4) Up stream wat	er level EL(m)		Up Stream EL33.50	
5) Down stream	water level EL(m)		Down Stream EL33.45	
6) Bed level EL(n	n)		EL32.20	
7) Gate type / Wood, Steal, Others, Nothing			Steel	
8) Structure cond	8) Structure condition / Excellent, Good, Bad, Already Expire			
9) Gate condition	/ Excellent, Good, Bad, Already	not so bad		
10) How often th	e maintenance / every half year	or 1 year nothing etc.		
11) Please write	remarks, if any			
	Front	Тор	Side or Behind	
15. Picture				
■ Hagat Br. Intake Km 103.390			03.390	
16. Location / Also show the Location other MAP	Serri Cana	B Hagat Branch		
		155		

the Minor Structure	For Intake	M11	
Al-Sheikh Kelada	2. Construction Year	1970	
m as follow item (Intake, I	Regulator, Tail escape)	Intake	
ain canal name	Serry	Canal	
350	6. Max discharge (m³/day) or (m³/s)	0.15 m3/s	
downstream the structure (km	n)	0.740	
for improvement / Rehabilita	tion or Reconstruction	Reconstruction	
of the necessary works for im	nprovement	Within 5 yrs	
essary works for improvemen	t	300,000 LE	
necessary works for	Need the reconstruction and replace t	he gate	
ns of the structure	The structure has been damaged by van not work at all by the failure.	veathering and deterioration. The gate	
tructure / Wood, Brick, Stone	, Steal, Other	Brick	
mension of the structure (If I	nothing of information, please	write "N")	
1) Gate Height (m)			
2) Gate Width (m)			
3) Number of Vent (How many ?)			
4) Up stream water level EL(m)			
5) Down stream water level EL(m) Down Stream EL3			
6) Bed level EL(m)			
Steal, Others, Nothing		No	
n / Excellent, Good, Bad, Alread	ly Expire	Bad	
xcellent, Good, Bad, Already Ex	xpire		
aintenance / every half year or	1 year nothing etc.		
11) Please write remarks, if any Water depth 1.30m			
Front	Тор	Side or Behind	
	Al-Sheikh Kelada m as follow item (Intake, lain canal name 350 downstream the structure (km for improvement / Rehabilita of the necessary works for improvement necessary works for ms of the structure tructure / Wood, Brick, Stone mension of the structure (If it low many?) evel EL(m) Steal, Others, Nothing n / Excellent, Good, Bad, Already excellent, Good, Bad, Already aintenance / every half year or arks, if any	Al-Sheikh Kelada 2. Construction Year m as follow item (Intake, Regulator, Tail escape) ain canal name Serry 350 6. Max discharge (m³/day) or (m³/s) downstream the structure (km) for improvement / Rehabilitation or Reconstruction of the necessary works for improvement necessary works for Need the reconstruction and replace to cannot work at all by the failure. tructure / Wood, Brick, Stone, Steal, Other mension of the structure (If nothing of information, please How many?) evel EL(m) Steal, Others, Nothing 1 / Excellent, Good, Bad, Already Expire accellent, Good, Bad, Already Expire	

Baqarlank canal

Km 8.910

Al-Sheikh Telada . Intake

Location other

MAP

Data	Shoot	for the	Minor	Structure
Dala	Sneer	ior me	IVIIIIOI	Structure

om as follow item (Intake, I lain canal name 540		Intake Canal
	•	Canal
540	6. Max discharge	
	(m³/day) or (m³/s)	0.24 m3/s
downstream the structure (km	n)	3.200
s for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
of the necessary works for im	provement	Within 5 yrs
essary works for improvemen	t	300,000 LE
necessary works for	Need the reconstruction and preferabl	e replace the gate at same time.
ms of the structure	The structure has been damaged by whas not been damaged.	reathering and deterioration. The gate
structure / Wood, Brick, Stone	, Steal, Other	Brick
imension of the structure (If I	nothing of information, please	write "N")
m)		2.50
1)		1.20
nt (How many ?)		1
ter level EL(m)		Up Stream EL35.90
water level EL(m)		Down Stream EL35.80
m)		EL35.00
7) Gate type / Wood, Steal, Others, Nothing		
dition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate condition / Excellent, Good, Bad, Already Expire		not so bad
10) How often the maintenance / every half year or 1 year nothing etc.		
remarks, if any		
Front	Тор	Side or Behind
■ Dair Canal	Km 1.810	usef Br. Intake
	s for improvement / Rehabilitate of the necessary works for improvement in the sessary works for improvement in necessary works for improvement in the structure of the struc	downstream the structure (km) s for improvement / Rehabilitation or Reconstruction of the necessary works for improvement essary works for improvement recessary works for improvement recessa

Data Shee	t for th	e Minor	Structure
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	the Miller Stractare	1 Of Intake	141 1 3		
1. Name	El Sultan hassan	2. Construction Year	1910		
3. TypeSelect fro	m as follow item (Intake, F	Regulator, Tail escape)	Intake		
4. Canal's name / Main canal name Bahr yosef km (69.240)					
5. Command Area (feddan)	600	6. Max discharge (m³/day) or (m³/s)	0.26 m3/s		
7. Length of Canal of	downstream the structure (km)	2.400		
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Rehabilitation		
9. Commencement	of the necessary works for im	provement	Within 5 yrs		
10. Cost of the nece	essary works for improvemen	t	<u>50,000 LE</u>		
11. Contents of the improvement	necessary works for	Need the rehabilitation of the structure	e and replace the gate		
12. Existing probler	ms of the structure	The structure on surface has been damagdose not seem fatal. The gate can not wor			
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Other	Brick		
14. Question and Di	imension of the structure (If r	nothing of information, please	write "N")		
1) Gate Height (m	1)		1.50		
2) Gate Width (m)		3.00		
3) Number of Ver	nt (How many ?)		1		
4) Up stream wat	er level EL(m)		Up Stream EL39.80		
5) Down stream v	vater level EL(m)		N		
6) Bed level EL(m)			EL39.00		
7) Gate type / Wo	ood, Steal, Others, Nothing		Steel		
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad		
9) Gate condition / Excellent, Good, Bad, Already Expire			Bad		
10) How often the	e maintenance / every half year	or 1 year nothing etc.			
11) Please write r	remarks, if any				
	Front	surround	Side or Behind		
15. Picture					
16. Location / Also show the Location other MAP	⊟ Sultan Has Bahr Yousef Canal		san Br. Intake		

M14

Data Sheet for	<u>r the Minor Structure</u>	For Intak	е	M14
1. Name	Ganabyia Al Ashmonin canal	2- Construction	Year	1920
3. TypeSelect from	om as follow item (Intake, I	Regulator, Tail escap	e)	Intake
4. Canal's name / Main canal name Al Dai				ya canal
5. Command Area (feddan)	1,300	6. Max discharge (m³/day) or (m³/s)		0.57 m3/s
7. Length of Canal	downstream the structure (km	1)		4.560
8. Necessary works	s for improvement / Rehabilita	tion or Reconstructio	n	<u>Rehabilitation</u>
9. Commencement	of the necessary works for im	provement		Within 5 yrs
10. Cost of the nec	essary works for improvemen	t		400,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the	ne structure	and replace the gate.
12. Existing proble	ms of the structure	The structure on surface has to dose not seem fatal. The gate		d by weathering, however these damge suitable by the failure.
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other		Brick
14. Question and D	Dimension of the structure (If I	nothing of information	n, please	write "N")
1) Gate Height (r	m)			3.00
2) Gate Width (n	n)			3.00
3) Number of Ve	nt (How many ?)			1
4) Up stream wa	ter level EL(m)			Up Stream EL43.90
5) Down stream water level EL(m)			Down Stream EL43.60	
6) Bed level EL(m)			EL43.15	
7) Gate type / Wood, Steal, Others, Nothing			Steel	
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad	
9) Gate condition / Excellent, Good, Bad, Already Expire			Bad	
10) How often th	ne maintenance / every half year	or 1 year nothing	etc.	
11) Please write	remarks, if any			
	Front	Тор		Side or Behind
15. Picture			COLUMN	
		Pannabiat shmounin anal	Ashmou	nin Canal

Ganabiat ∃ Ashmounin Intake Km 23.00

Data Officet for	the Millor Structure	i di iiitake	IVIIJ
1. Name	Ganabiya Al Maniekly canal	2- Construction Year	1919
3. TypeSelect fro	m as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name / M	man canal		
5. Command Area (feddan)	1,020	6. Max discharge (m³/day) or (m³/s)	0.45 m3/s
7. Length of Canal downstream the structure (km)			6.245
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	350,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and preferable	e replace the gate at same time.
12. Existing proble	ms of the structure	The structure has been damaged by vhas not been so damaged.	veathering and deterioration. The gate
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (n	n)		1.15
2) Gate Width (m)		1.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL44.10
5) Down stream v	water level EL(m)		Down Stream EL43.50
6) Bed level EL(m)			EL42.50
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			bad
9) Gate condition	/ Excellent, Good, Bad, Already	y Expire	not so bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	☐ Badraman Canal Om I	Derwa Canal Gannabiya & Menekly Intak B Kosour Canal	e Km 17.710

Data Sheet for	the Minor Structure	F	or Intake	M16
1. Name	Ganabyia Al Sahliya canal	2- C	onstruction Year	1920
3. TypeSelect fro	om as follow item (Intake, I	Regulator	, Tail escape)	Intake
4. Canal's name / M	4. Canal's name / Main canal name Al Sahliy			
5. Command Area (feddan)	6. Max discharge (m³/day) or (m³/s)			0.20 m3/s
7. Length of Canal	3.670			
8. Necessary works	Rehabilitation			
9. Commencement	of the necessary works for im	proveme	nt	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t		50,000 LE
11. Contents of the improvement	necessary works for	Need the re	habilitation of the structure	e and replace the gate
12. Existing proble	ms of the structure		-	ed by weathering, however these damge k suitable by the deterioration.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, O	her	Brick
14. Question and D	imension of the structure (If r	nothing o	f information, please	write "N")
1) Gate Height (n	n)			2.50
2) Gate Width (m	n)			1.00
3) Number of Ver	1			
4) Up stream wat	ter level EL(m)			Up Stream EL44.30
5) Down stream water level EL(m)				Down Stream EL43.55
6) Bed level EL(m)			EL42.00	
7) Gate type / Wo	ood, Steal, Others, Nothing			Steel
8) Structure cond	lition / Excellent, Good, Bad, Alro	eady Expi	re .	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire		Bad
10) How often th	e maintenance / every half year	or 1 year	nothing etc.	
11) Please write	remarks, if any			
	Front		Тор	Side or Behind
15. Picture				
16 Leastion	West Ra	yramon	Gannabiat	B Saheliya
16. Location / Also show the Location other	∃ Saheliya Canal 		Rayramon Reg.	∃ Sahleliya Canal
MAP	El Desa Int	take.	El Desa Br.	

El Takhfeef Drain 161

Data Sheet for	the Minor Structure	For Intake	M17
1. Name	Mabrouk Intake	2. Construction Year	1902
3. TypeSelect fro	m as follow item (Intake, F	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Bahr yosef ca	nal km (75.475)
5. Command Area (feddan)	2,000	6. Max discharge (m³/day) or (m³/s)	0.88 m3/s
7. Length of Canal downstream the structure (km)			3.380
8. Necessary works for improvement / Rehabilitation or Reconstruction			Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 yrs
	essary works for improvemen	1	400,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace	
12. Existing probler	ns of the structure	The structure has been damaged by can not work suitable by the deteriora	weathering and deterioration. The gate ation.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and Di	imension of the structure (If r	nothing of information, please	e write "N")
1) Gate Height (m	n)		3.00
2) Gate Width (m)		1.50
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL39.75
5) Down stream water level EL(m)			N
6) Bed level EL(m)			EL39.00
7) Gate type / Wo	ood, Steal, Others, Nothing		Steel
8) Structure cond	lition / Excellent, Good, Bad, Alro	eady Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) How often the	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write r	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Mab	prouk Br. Mabrouk	Br Intake

Bahr Yousef Canal

Km 75.475

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1. Name	Mahmoud canal	2- Construction Year	1917
3. TypeSelect fro	m as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name / M	nal at km 12.100		
5. Command Area (feddan)	880	6. Max discharge (m³/day) or (m³/s)	0.39 m3/s
7. Length of Canal	downstream the structure (km	1)	7.323
8. Necessary works	<u>Rehabilitation</u>		
9. Commencement	of the necessary works for in	nprovement	Within 10 yrs
10. Cost of the nece	essary works for improvemen	t	100,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the structure	e and maintenance of the gate
12. Existing probler	ms of the structure	The structure on surface has been damag dose not seem fatal. The gate has not bee	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		1.60
2) Gate Width (m	1)		1.10
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL44.50
5) Down stream v	water level EL(m)		Down Stream EL44.35
6) Bed level EL(n	n)		EL42.85
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition / Excellent, Good, Bad, Already Expire			not so bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write i	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	□ Badraman Canal	Mahmoud Canal Mahmoud Canal Intake K	m 12.100
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Data Sheet for the Minor Structure

For Intake

1. Name	Moussa	2. Construction Year	1990
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	Bahr yosef a	at km 28.460
5. Command Area (feddan)	300	6. Max discharge (m³/day) or (m³/s)	0.13 m3/s
7. Length of Canal	downstream the structure (km	n)	2.450
8. Necessary works	8. Necessary works for improvement / Rehabilitation or Reconstruction		
9. Commencement	9. Commencement of the necessary works for improvement		
10. Cost of the nece	essary works for improvemen	t	
improvement	necessary works for	This structure finish the reconst	ruction already.
12. Existing probler	ns of the structure		
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Other	Concrete
14. Question and D	imension of the structure (If ι	nothing of information, please	write "N")
1) Gate Height (n	n)		2.00
2) Gate Width (m)		2.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL39.70
5) Down stream v	water level EL(m)		Down Stream EL29.80
6) Bed level EL(n	۱)		EL39.10
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	9) Gate condition / Excellent, Good, Bad, Already Expire		
10) How often th	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write i	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Km 28.460 Baher Yousef	Mousa Br. Intake Canal	

Data Sheet for	the Minor Structure	For	· Intake	M20
1. Name	Nasser Feeder	2. Cons	truction Year	1936
3. TypeSelect fro	m as follow item (Intake, I	Regulator, T	ail escape)	Intake
4. Canal's name / M	ain canal name		Daha	b canal
5. Command Area (feddan)	250	6. Max discl (m³/day) o	<u> </u>	0.11 m3/s
7. Length of Canal	downstream the structure (km	n)		1.700
8. Necessary works	for improvement / Rehabilita	tion or Reco	nstruction	<u>Rehabilitation</u>
9. Commencement	of the necessary works for im	provement		Within 5 yrs
10. Cost of the nece	essary works for improvemen	1		100,000 LE
11. Contents of the improvement	necessary works for	Need the rehab	oilitation of the structur	re and replace the gate
12. Existing probler	ms of the structure			ged by weathering, however these damge ork suitable by the failure.
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Othe	r	Brick
14. Question and Di	imension of the structure (If ı	nothing of in	formation, pleas	e write "N")
1) Gate Height (m	۱)			1.50
2) Gate Width (m)			1.20
3) Number of Vent (How many ?)			1	
4) Up stream water level EL(m)			Up Stream EL31.90	
5) Down stream water level EL(m)			N	
6) Bed level EL(n	1)			EL30.40
7) Gate type / Wo	ood, Steal, Others, Nothing			Steel
8) Structure cond	ition / Excellent, Good, Bad, Alr	eady Expire		bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire		bad
10) How often th	e maintenance / every half year	or 1 year	nothing etc.	
11) Please write r	remarks, if any			•
	Front		Тор	Side or Behind
15. Picture				
16. Location	Manshat 🛭 Dahab Canal Nase	er Branch	Km 39.360	

/ Also show the Location other MAP

Næer Br. Feeder

Baher Yousef Canal

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Data S	Sheet	for t	the I	Minor	Structure
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1. Name	North Bahnasa canal	2. Construction Year	1980
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	sabaa canal		
5. Command Area (feddan)	2,100	6. Max discharge (m³/day) or (m³/s)	0.92 m3/s
7. Length of Canal	downstream the structure (km	n)	4.830
8. Necessary works for improvement / Rehabilitation or Reconstruction			<u>Rehabilitation</u>
9. Commencement of the necessary works for improvement			Within 5 yrs
10. Cost of the nece	essary works for improvemen	1	450,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the structur	e and replace the gate
12. Existing proble	ms of the structure	The structure on surface has been damaged dose not seem fatal. The surafce of gate	ged by weathering, however these damge can be seen rust.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	concrete
14. Question and D	imension of the structure (If ı	nothing of information, please	e write "N")
1) Gate Height (n	n)		3.20
2) Gate Width (m)		1.45
3) Number of Ver	nt (How many ?)		2
4) Up stream wat	er level EL(m)		Up Stream EL31.90
5) Down stream v	water level EL(m)		Down Stream EL31.60
6) Bed level EL(m)			EL31.40
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Sabaa Canal North Bah	nnasa Branch	

Data Sheet 101	the Millor Structure	i di ilitane	IVIZZ
1. Name	Om El Kousour canal	2- Construction Year	1919
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	Al Badrar	man canal	
5. Command Area (feddan)	1,395	6. Max discharge (m³/day) or (m³/s)	0.61 m3/s
7. Length of Canal	downstream the structure (km	n)	5.560
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Rehabilitation</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the necessary works for improvement			300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the structu same time.	
12. Existing proble	ms of the structure	The structure has been damaged by weath damaged.	nering. The gate has not been so
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		1.60
2) Gate Width (m)		1.50
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL44.10
5) Down stream water level EL(m)			Down Stream EL43.60
6) Bed level EL(m)			EL42.45
7) Gate type / Wood, Steal, Others, Nothing			Steal
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	not so bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any	N	lo
	Front	Тор	Side or Behind
15. Picture			A
		Derwa Canal	
16. Location / Also show the		🛮 Badraman Canal	
Location other MAP	Om 目 Kosour Intake Km 17.710	Gannabiya ∃ Menekly	
		Om El Kosour Canal	
		167	

Data Sheet for	the Minor Structure	For Intake	M23
1. Name	Raheil intake	2. Construction Year	1902
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	4. Canal's name / Main canal name Dahab can		
5. Command Area (feddan)	5,500	6. Max discharge (m³/day) or (m³/s)	2.42 m3/s
7. Length of Canal	7. Length of Canal downstream the structure (km)		
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace of	of the gate
12. Existing proble	ms of the structure	The structure has been damaged by v can not work suitable by the failure an	· ·
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Mason Bricks
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (m)			2.70
2) Gate Width (m)			3.00
3) Number of Vent (I	How many ?)		1
4) Up stream water l	evel EL(m)		Up Stream EL39.00
5) Down stream water level EL(m)			Down Stream EL38.00
6) Bed level EL(m)			EL37.00
7) Gate type / Wood,	Steal, Others, Nothing		Steel
8) Structure condition	n / Excellent, Good, Bad, Alread	y Expire	Bad
9) Gate condition / E	xcellent, Good, Bad, Already Ex	pire	Already Expire
10) How often the m	aintenance / every half year or	1 year nothing etc.	
11) Please write rem	arks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Rahie	Rahiel Intake	Mansht & Dahab Canal

Baher Yousef Canal

Dahab Reg Km 77.600

Data Officer for	the Millor Structure	i di iiilake	IVIZ	
1. Name	Sakiet Dakouf	2. Construction Year	1910	
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake	
4. Canal's name / Main canal name Dahab canal km (49.75)				
5. Command Area (feddan)	2,280	6. Max discharge (m³/day) or (m³/s)	1.00 m3/s	
7. Length of Canal	downstream the structure (km	n)	3.800	
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Maintenance</u>	
9. Commencement	of the necessary works for im	nprovement	Within 10 yrs	
10. Cost of the nece	essary works for improvemen	1	<u>50,000 LE</u>	
11. Contents of the improvement	necessary works for	Need to keep the maintenace of the g	ate	
12. Existing proble	ms of the structure	The structure is not so bad. The gate	has not been so damaged.	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Bricks	
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")	
1) Gate Height (r	n)		1.50	
2) Gate Width (m			1.10	
3) Number of Ve	nt (How many ?)		1	
4) Up stream wat	er level EL(m)		Up Stream EL35.20	
5) Down stream	water level EL(m)		Down Stream EL34.10	
6) Bed level EL(m)			EL34.55	
7) Gate type / Wood, Steal, Others, Nothing			Steel	
8) Structure condition / Excellent, Good, Bad, Already Expire			not so bad	
9) Gate condition / Excellent, Good, Bad, Already Expire			Good	
10) How often th	e maintenance / every half year	or 1 year nothing etc.		
11) Please write	remarks, if any			
	Front	Тор	Side or Behind	
15. Picture				
		Km 49.750		
	Manshat 🛭 Dahab Canal			
16. Location / Also show the Location other MAP	Saqiet Daqouf E	7th Gann Branch	abia	
		1.00		

ownstream the structure (km	Dawood n 6. Max discharge (m³/day) or (m³/s)	1908 Intake nain canal 0.09 m3/s		
200 ownstream the structure (km	Dawood n 6. Max discharge (m³/day) or (m³/s)	nain canal		
200 ownstream the structure (km	6. Max discharge (m³/day) or (m³/s)			
ownstream the structure (km	(m³/day) or (m³/s)	0.09 m3/s		
•)			
for improvement / Rehabilita	7	0.910		
	8. Necessary works for improvement / Rehabilitation or Reconstruction			
9. Commencement of the necessary works for improvement				
ssary works for improvement	t	<u>100,000 LE</u>		
necessary works for	Need the rehabilitation of the structure	and replace the gate		
s of the structure				
ructure / Wood, Brick, Stone,	, Steal, Other	Bricks		
mension of the structure (If r	nothing of information, please	write "N")		
)		2.40		
		1.10		
t (How many ?)		1		
r level EL(m)		Up Stream EL37.20		
ater level EL(m)		36,80		
)		EL36.30		
7) Gate type / Wood, Steal, Others, Nothing				
8) Structure condition / Excellent, Good, Bad, Already Expire				
9) Gate condition / Excellent, Good, Bad, Already Expire				
10) How often the maintenance / every half year or 1 year nothing etc.				
emarks, if any				
Front	Тор	Side or Behind		
Taheir Daoud Canal	Taheir Intake Km 1.4	400		
)	ructure / Wood, Brick, Stone mension of the structure (If recommension of	The structure on surface has been damage dose not seem fatal. The gate on the surface mension of the structure (If nothing of information, please		

D-4-	01	44	- N 1:	C4	
Data	Sneet	tor th	e iviinor	Structure	

Data Choot for	the miner offactare	i oi iiitako	IVIZU
1. Name	Tambo intake	2. Construction Year	1970
3. TypeSelect from	om as follow item (Intake, I	Regulator, Tail escape)	intake
4. Canal's name / N	lain canal name	Ebrahemia canal / ser	ry canal at km 106.350
5. Command Area (feddan)	400	6. Max discharge (m³/day) or (m³/s)	0.18 m3/s
7. Length of Canal	downstream the structure (km	n)	2.400
8. Necessary works for improvement / Rehabilitation or Reconstruction			<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace of	of the gate
12. Existing proble	ms of the structure	The structure has been damaged by we can not work suitable by the failure an	· · ·
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (r	n)		2.50
2) Gate Width (m	n)		1.00
3) Number of Ve	nt (How many ?)		1 vent +1*0.5m dia. Pipe
4) Up stream wa	ter level EL(m)		Up Stream EL33.30
5) Down stream	water level EL(m)		Down Stream EL33.25
6) Bed level EL(r	n)		EL32.20
7) Gate type / Wood, Steal, Others, Nothing			steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Tam Serri Canal	nbo Branch Tambo Intake Km 10	20.050

	Front	Тор	Side or Behind	
11) Please write remarks, if any			lo	
10) How often the maintenance / every half year or 1 year nothing etc.				
9) Gate condition / Excellent, Good, Bad, Already Expire		Already expire		
8) Structure condition / Excellent, Good, Bad, Already Expire		Already expire		
7) Gate type / Wo	ood, Steal, Others, Nothing		Steel	
6) Bed level EL(n	n)		EL39.39	
5) Down stream v	water level EL(m)		Down Stream EL40.90	
4) Up stream water level EL(m)			Up Stream EL41.10	
3) Number of Ver	nt (How many ?)		1 (left side gate : M27, M28)	
2) Gate Width (m)		2.80		
1) Gate Height (m)			3.20	
		nothing of information, please		
can not work suitable by the failure ar 13. Material of the structure / Wood, Brick, Stone, Steal, Other			Brick	
12. Existing probler	ns of the structure	9 9	weathering and deterioration. The gate	
11. Contents of the mprovement	necessary works for	Need the reconstruction and replace of	of the gate	
10. Cost of the nece	essary works for improvemen	t	300,000 LE	
9. Commencement	of the necessary works for im	provement	Within 5 yrs	
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction	
7. Length of Canal o	downstream the structure (km		6.100	
5. Command Area (feddan)	2,000	6. Max discharge (m³/day) or (m³/s)	0.88 m3/s	
4. Canal's name / M	ain canal name	The west hafeze of	canal at km 14.700	
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake	
1. Name	The Left Dairotyia canal	2- Construction Year	1922	
Data Officer for	the Minor Structure	For Intake	M27	

16. Location / Also show the Location other MAP



Left Diroutia Canal

West Hafez Gannabia

Km 14.700

Data Shee	et for th	e Minor	Structure
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1. Name	The Right Dairotyia canal	2- Construction Year	1922
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / M	ain canal name	The west h	afeze canal
5. Command Area (feddan)	750	6. Max discharge (m³/day) or (m³/s)	0.33 m3/s
7. Length of Canal	downstream the structure (km	n)	4.480
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace of	f the gate
12. Existing proble	ms of the structure	The structure has been damaged by w can not work suitable by the failure an	reathering and deterioration. The gate d deterioration.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	n)		3.20
2) Gate Width (m)		2.80
3) Number of Ver	nt (How many ?)		1 (right side gate : M27, M28)
4) Up stream wat	er level EL(m)		Up Stream EL41.10
5) Down stream v	water level EL(m)		Down Stream EL40.65
6) Bed level EL(n	n)		EL39.85
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Already expire
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Already expire
10) How often th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any	N	0
	Front	Тор	Side or Behind
15. Picture			
			n 14.700
16. Location / Also show the Location other MAP	V	Vest Hafez Gannabia Right Diroutia Canal	
<u>l</u>		173	

Data Sheet for the Minor Structure

For Intake

1. Name	The West Rayramon canal	2- Construction Year	1918
3. TypeSelect from	m as follow item (Intake, I	Regulator, Tail escape)	Intake
4. Canal's name / Ma	ain canal name	Al Sahli	ya canal
5. Command Area (feddan)	1,750	6. Max discharge (m³/day) or (m³/s)	0.77 m3/s
7. Length of Canal d	lownstream the structure (km	n)	0.875
8. Necessary works	<u>Rehabilitation</u>		
9. Commencement of the necessary works for improvement			Within 10 yrs
10. Cost of the nece	ssary works for improvemen	t	100,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the structure garbage.	
12. Existing problem	ns of the structure	The structure on surface has been damag dose not seem fatal. The gate has not bee	
13. Material of the st	tructure / Wood, Brick, Stone	, Steal, Other	Concrete
14. Question and Di	mension of the structure (If r	nothing of information, please	e write "N")
1) Gate Height (m)		3.10
2) Gate Width (m)			2.00
3) Number of Ven	t (How many ?)		1
4) Up stream water	er level EL(m)		Up Stream EL44.65
5) Down stream w	ater level EL(m)		Down Stream EL44.30
6) Bed level EL(m)		EL42.35
7) Gate type / Wood, Steal, Others, Nothing			Steal
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition / Excellent, Good, Bad, Already Expire			Bad
10) How often the maintenance / every half year or 1 year nothing etc.			
11) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
	West Rayramon Gannabiat B		3 Saheliya
16. Location / Also show the Location other	El Saheliya Canal	Rayramon Reg.	🛮 Sahleliya Canal
MAP	E l Desa In	take. El Desa Br	
	L ∃ Takhf	eef Drain 174	

Data Sheet for	the Minor Structure	For Regulator	M30
1. Name	East Desout	2. Construction Year	N
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Regulator
4. Canal's name / M	ain canal name	Desout / Eb	raheemeyya
5. Command Area (feddan)	1,200	6. Max discharge (m³/day) or (m³/s)	0.53 m3/s
7. Length of Canal	downstream the structure (km	n)	3.870
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction (need sytudy)
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	200,000 LE
11. Contents of the improvement	necessary works for	The structure need the function of the does not the function of the reguration	•
12. Existing proble	ms of the structure	the function of the structure.	,
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	
14. Question and D	imension of the structure (If ı	nothing of information, please	write "N")
1) Gate Height (n	n)		
2) Gate Width (m)		
3) Number of Vei	nt (How many ?)		
4) Up stream wat	er level EL(m)		
5) Down stream	water level EL(m)		
6) Bed level EL(m)			
7) Gate type / Wo	ood, Steal, Others, Nothing		
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	
10) How often th	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Wes	Pipe Line West De	
	El Desout Canal Pipe Line	East Desout Reg.	East Desout Br.

1. Name	Barbakh Bani Mazar	2. Construction Year	1970		
3. TypeSelect from	om as follow item (Intake, F	Regulator, Tail escape)	Intake		
4. Canal's name / M	4. Canal's name / Main canal name Ebraheemeyya				
5. Command Area	1,400	6. Max discharge	0.62 m3/s		
(feddan) 7. Length of Canal	downstream the structure (km	(m³/day) or (m³/s)	4.170		
			Rehabilitation		
8. Necessary works for improvement / Rehabilitation or Reconstruction			Within 5 yrs		
9. Commencement of the necessary works for improvement 10. Cost of the necessary works for improvement			100,000 LE		
	necessary works for				
improvement	, , , , , ,	Need the rehabilitation of the structure			
12. Existing proble	ms of the structure	the structure on surface has been damaged dose not seem fatal. The gate has been datalure			
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Brick		
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")		
1) Gate Height (r	m)		1.50		
2) Gate Width (m	1)		1.00		
3) Number of Ve	nt (How many ?)		1		
4) Up stream wa	ter level EL(m)		Up Stream EL35.00		
5) Down stream	water level EL(m)		Down Stream EL34.84		
6) Bed level EL(r	m)		EL33.80		
7) Gate type / Wood, Steal, Others, Nothing			Steel		
8) Structure condition / Excellent, Good, Bad, Already Expire			not so bad		
9) Gate condition / Excellent, Good, Bad, Already Expire			bad		
10) How often the maintenance / every half year or 1 year nothing etc.			1 yr (by original data sheet)		
11) Please write	remarks, if any	The existing section is enough	gh for the required discharge		
	Front	Тор	Side or Behind		
15. Picture					
16. Location / Also show the Location other MAP	Ibramimiya Canal Barbakh Ban	Km 167.500 ni Mazar			

Data Sheet for	the Minor Structure	For Pogulator	M32		
1. Name	Abu Hashima	For Regulator 2. Construction Year	1904		
			Regulator		
4. Canal's name / Main canal name Menshat Al-Dahab 5. Command Area 6. Max discharge					
(feddan)	3,700	(m³/day) or (m³/s)	1.63 m3/s		
7. Length of Canal	9.100				
8. Necessary works	<u>Rehabilitation</u>				
9. Commencement	Within 5 yrs				
10. Cost of the nece	300,000 LE				
11. Contents of the necessary works for improvement Need the rehabilitation of the structure and preferabel replace the gate.			e (reconstruction at front of the intake)		
12. Existing proble	hering, however these damge seem at so damaged.				
13. Material of the s	Brick				
14. Question and Dimension of the structure (If nothing of information, please write "N")					
1) Gate Height (n	2.20				
2) Gate Width (m	2.00				
3) Number of Ve	1				
4) Up stream wat	Up Stream EL35.40				
5) Down stream	Down Stream EL35.20				
6) Bed level EL(n	EL34.10				
7) Gate type / Wood, Steal, Others, Nothing			Steel		
8) Structure cond	bad				
9) Gate condition	not so bad				
10) How often th					
11) Please write remarks, if any					
	Front	Тор	Side or Behind		
15. Picture					
16. Location / Also show the Location other MAP	Abou Ha	shima Br. Abou Hashir	ma Regulator		

Km 53.900

Manshat & Dahab Canal

Data Sheet for	the Minor Structure	For Regulator	M33	
1. Name	Al Maniekly regulator	2- Construction Year	1919	
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Regulator	
4. Canal's name / Main canal name Al Badraman canal at km 17.710				
5. Command Area (feddan)	1,930	6. Max discharge (m³/day) or (m³/s)	0.85 m3/s	
7. Length of Canal downstream the structure (km)			10.665	
8. Necessary works for improvement / Rehabilitation or Reconstruction			<u>Reconstruction</u>	
9. Commencement of the necessary works for improvement			Within 5 yrs	
10. Cost of the necessary works for improvement			300,000 LE	
11. Contents of the improvement	necessary works for	Need the reconstruction and replace of	of the gate	
12. Existing problems of the structure The structure has been damaged by we can not work suitable by the failure are			veathering and deterioration. The gate d deterioration.	
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Other	Brick	
14. Question and Dimension of the structure (If nothing of information, please write "N")				
1) Gate Height (m)			1.80	
2) Gate Width (m	1.00			
3) Number of Vent (How many ?)			1	
4) Up stream water level EL(m)			Up Stream EL44.10	
5) Down stream water level EL(m)			Down Stream EL43.80	
6) Bed level EL(m)			EL42.25	
7) Gate type / Wood, Steal, Others, Nothing			Steel	
8) Structure condition / Excellent, Good, Bad, Already Expire			bad	
9) Gate condition / Excellent, Good, Bad, Already Expire			bad	
10) How often the maintenance / every half year or 1 year nothing etc.				
11) Please write remarks, if any				
	Front	Тор	Side or Behind	
15. Picture				
16. Location / Also show the Location other MAP	Badraman Canal	Derwa Canal B Menekly Reg. Km 17 Gannabiya B Menekly Om B Kosour Canal	7.710	

Data Sheet for	r the Minor Structure	For	Regulator	M34
1. Name	Al Sahala Regulator	2- Cor	struction Year	1912
3. TypeSelect from	om as follow item (Intake, I	Regulator,	Tail escape)	Regulator
4. Canal's name / N	lain canal name		The East h	afeze canal
5. Command Area (feddan)	2,200	6. Max dis (m³/day)	charge or (m³/s)	0.97 m3/s
7. Length of Canal	downstream the structure (km	1)		3.300
8. Necessary works	s for improvement / Rehabilita	tion or Rec	onstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provemen	t	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t		350,000 LE
11. Contents of the improvement	necessary works for		onstruction with changing gate at same time	to the suitable vent and preferabele
12. Existing proble	ms of the structure		s been damaged, additionally, v vents. The gate has not been	has the trouble of the fair water distribution, n so damaged.
13. Material of the	structure / Wood, Brick, Stone	, Steal, Oth	er	Brick
14. Question and D	imension of the structure (If I	nothing of	nformation, please	write "N")
1) Gate Height (m)				
2) Gate Width (n				
3) Number of Ve	nt (How many ?)			2
4) Up stream water level EL(m)			Up Stream EL40.90	
5) Down stream	5) Down stream water level EL(m)			Down Stream EL40.70
6) Bed level EL(r	m)			EL39.00
7) Gate type / W	ood, Steal, Others, Nothing			Steel
8) Structure cond	dition / Excellent, Good, Bad, Alr	eady Expire		bad
9) Gate condition	n / Excellent, Good, Bad, Already	/ Expire		not so bad
10) How often th	ne maintenance / every half year	or 1 year	. nothing etc.	
11) Please write	remarks, if any			
	Front		Тор	Side or Behind
15. Picture				- Ider
16. Location / Also show the Location other	⊟ Sah:	ala Branch		

Location other MAP

East Hafez Canal

El Sahala Intake Km 24.072

Data Sheet for the Minor Structure For Regulator **M35** 1. Name Al Sahliya canal 2- Construction Year 1918 3. Type --Select from as follow item--(Intake, Regulator, Tail escape) Regulator 4. Canal's name / Main canal name Al Sahliya canal 6. Max discharge 5. Command Area 3.224 1.42 m3/s (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 7.030 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement Within 5 yrs 10. Cost of the necessary works for improvement 500,000 LE 11. Contents of the necessary works for Need the reconstruction and replace of the gate improvement The structure has been damaged by weathering and deterioration. The gate 12. Existing problems of the structure can not work suitable by the failure and deterioration. 13. Material of the structure / Wood, Brick, Stone, Steal, Other **Brick** 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 4.40 2) Gate Width (m) 2.55 3) Number of Vent (How many?) 1 4) Up stream water level EL(m) Up Stream EL44.60 5) Down stream water level EL(m) Down Stream EL44.30 6) Bed level EL(m) EL41.00 7) Gate type / Wood, Steal, Others, Nothing Steel 8) Structure condition / Excellent, Good, Bad, Already Expire Already expire 9) Gate condition / Excellent, Good, Bad, Already Expire Bad 10) How often the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any **Front** Side or Behind Sorround 15. Picture West Rayramon Gannabiat ∃ Saheliya 16. Location ■ Sahleliya **B** Sahleliya Canal **B** Saheliya Canal Also show the Canal Reg. Location other MAP El Desa Br. El Takhfeef Drain Intake. **B** Takhfeef Drain

<u>Data Sheet for the Minor Structure</u> For Intake

	the Miller Ottablate	•	or intake	IVIOU
1. Name	Al Takhfeef Drain	2- C	onstruction Year	1918
3. TypeSelect fro	m as follow item (Intake, I	Regulato	, Tail escape)	Regulator
4. Canal's name / M	ain canal name		Al Sahl	ya canal
5. Command Area (feddan)	5,000	6. Max d (m³/da	ischarge y) or (m³/s)	2.20 m3/s
7. Length of Canal	downstream the structure (km	1)		1.200
8. Necessary works	s for improvement / Rehabilita	tion or Re	econstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	proveme	nt	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t		500,000 LE
11. Contents of the improvement	necessary works for	Need the re	econstruction and replace (of the gate
12. Existing proble	ms of the structure		re has been damaged by work suitable by the failure ar	weathering and deterioration. The gate and deterioration.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, O	ther	Brick
14. Question and D	imension of the structure (If ı	nothing o	f information, please	write "N")
1) Gate Height (n	n)			4.50
2) Gate Width (m)			3.00
3) Number of Ver	nt (How many ?)			2
4) Up stream wat	er level EL(m)			Up Stream EL44.30
5) Down stream	water level EL(m)			Down Stream EL44.15
6) Bed level EL(n	n)			EL41.10
7) Gate type / Wood, Steal, Others, Nothing			Wood	
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expi	re	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire		Bad
10) How often th	e maintenance / every half year	or 1 year	nothing etc.	
11) Please write	remarks, if any		١	No
	Front	S	ide or Behind	Sorround
15. Picture				
16. Location / Also show the	West Ray 🛭 Saheliya Canal	ramon	 ∃ Sahleliya	t El Saheliya
Location other			Canal Rea	∃ Sahleliya Canal
MAP	日 Takhfeef Drain Intake.		El Desa Br	·
		181	∃ Takhfeef D	rain

Data Sheet for	the Minor Structure	For Regulator	M37
1. Name	Ban Al-Alam Branch	2. Construction Year	1950
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Regulator
4. Canal's name / M	emeyya		
5. Command Area (feddan)	1,000	0.44 m3/s	
7. Length of Canal	4.560		
8. Necessary works	<u>Reconstruction</u>		
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	150,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and replace of	of the gate
12. Existing probler	ns of the structure	The structure has been damaged by v can not work at all by the failure and c	veathering and deterioration. The gate leterioration.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If ı	nothing of information, please	write "N")
1) Gate Height (n	n)		1.05
2) Gate Width (m)		1.00 m
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		32.20 m
5) Down stream v	water level EL(m)		32.10 m
6) Bed level EL(n	า)		30.60 m
7) Gate type / Wo	ood, Steal, Others, Nothing		Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) How often th	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Ban Al-Alam Branch Km 3.		er. No2

Data Sheet for	r the Minor Structure	For Regulator	M38
1. Name	East Aba Canal	2. Construction Year	1975
3. TypeSelect from	om as follow item (Intake, I	Regulator, Tail escape)	Regulator
4. Canal's name / N	lain canal name	Ebrahe	emeyya
5. Command Area (feddan)	2,500	6. Max discharge (m³/day) or (m³/s)	1.10 m3/s
7. Length of Canal	7. Length of Canal downstream the structure (km)		
8. Necessary works for improvement / Rehabilitation or Reconstruction			<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t	200,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction (preferable d and replace of the gate	
12. Existing proble	ms of the structure	The structure has been damaged by vacan not work suitable by the failure ar	veathering and deterioration. The gate add deterioration.
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Gate Height (r	m)		1.50
2) Gate Width (n	າ)		1.10
3) Number of Ve	nt (How many ?)		1
4) Up stream wa	ter level EL(m)		33.60 m
5) Down stream	water level EL(m)		33.50 m
6) Bed level EL(m)			32.80 m
7) Gate type / Wood, Steal, Others, Nothing			Steel
8) Structure cond	dition / Excellent, Good, Bad, Alre	eady Expire	Bad
9) Gate condition	n / Excellent, Good, Bad, Already	/ Expire	Bad
10) How often th	ne maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	East Aba Br Km 186.255	East Aba Regulator K	ím 2.670

For Intake

Data Chicot for	the miner offactare	i oi iiitako	14100
1. Name	Abu Hassiba Cana	2. Construction Year	1950
3. TypeSelect from	om as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name / N	lain canal name	Ebrahe	emeyya
5. Command Area (feddan)	600	6. Max discharge (m³/day) or (m³/s)	0.26 m3/s
7. Length of Canal	downstream the structure (km	1)	12.200
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t	1,000,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction at front of the Preferable support inner of pipe	
12. Existing proble	ms of the structure	The structure has been damaged by seem at surround the gate. The gate of	· ·
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (r	m)		2.5 m
2) Gate Width (m	n)		2.50
3) Number of Ve	nt (How many ?)		1
4) Up stream wa	ter level EL(m)		36.50 m
5) Down stream water level EL(m)			36.40 m
6) Bed level EL(r	m)		EL34.80
7) Gate type / We	ood, Steal, Others, Nothing		Steel
8) Structure cond	dition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	y Expire	Bad
10) How often th	ne maintenance / every half year	or 1 year nothing etc.	1 yr for gate (by original data sheet)
11) Please write	remarks, if any	Intake velocity is so high that codischarge. Need the regulation	
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	∃ Ibrahimia Canal	oou Haseeba Intake Km 166.115	5

Data Sheet for	r the Minor Structure	For Regulator	M40	
1. Name	Al-Gendeyya Canal	2. Construction Year	1950	
3. TypeSelect from	om as follow item (Intake,	Regulator, Tail escape)	Regulator	
4. Canal's name / N	lain canal name	Ebraheem	neyya Canal	
5. Command Area (feddan)	1,000	6. Max discharge (m³/day) or (m³/s)	0.44 m3/s	
7. Length of Canal downstream the structure (km)			4.120 Km	
8. Necessary work	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction	
9. Commencement	of the necessary works for im	provement	Within 5 yrs	
10. Cost of the nec	essary works for improvemen	t	300,000 LE	
11. Contents of the improvement	e necessary works for	Need the reconstruction (should be cl replace of the gate	,	
12. Existing proble	ms of the structure	The structure has been damaged by can not work suitable by the failure ar	weathering and deterioration. The gate nd deterioration.	
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Brick	
14. Question and D	Dimension of the structure (If I	nothing of information, please	e write "N")	
1) Gate Height (r	m)		1.00	
2) Gate Width (n	n)		1.50	
3) Number of Ve	ent (How many ?)		1	
4) Up stream wa	ter level EL(m)		33.00 m	
5) Down stream	water level EL(m)		32.90 m	
6) Bed level EL(r	m)		30.30 m	
7) Gate type / W	ood, Steal, Others, Nothing		Steel	
8) Structure cond	dition / Excellent, Good, Bad, Alr	eady Expire	Bad	
9) Gate condition	n / Excellent, Good, Bad, Already	/ Expire	Bad	
10) How often th	ne maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)	
11) Please write	remarks, if any	Water level is decreased by 0.3 water shortage	30m currently that it cause the	
	Front	inner	Side or Behind	
15. Picture				
16. Location / Also show the Location other MAP	 目 Gendiya Regulator Km	10.630	■ Ibrahimia Canal	

Data Sheet for	the Minor Structure	For Regulator	M41
1. Name	South Darweesh Canal	2. Construction Year	N
3. TypeSelect fro	m as follow item (Intake,	Regulator, Tail escape)	Regulator
4. Canal's name / M	ain canal name	Ebraheem	eyya Canal
5. Command Area (feddan)	500	6. Max discharge (m³/day) or (m³/s)	0.22 m3/s
7. Length of Canal	downstream the structure (km	n)	5.320
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	Within 5 yrs		
10. Cost of the nece	essary works for improvemen	t	<u>50,000 LE</u>
11. Contents of the improvement	necessary works for	Need the rehabilitation of the structure	0
12. Existing proble	ms of the structure	The structure on surface has been da damge dose not seem fatal. The gate	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (n	n)		1.30
2) Gate Width (m)		1.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		34.00 m
5) Down stream v	water level EL(m)		33.50 m
6) Bed level EL(n	n)		33.00 m
7) Gate type / Wo	ood, Steal, Others, Nothing		Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	not so bad
10) How ofen the	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	South Darweesh Regula	ator Km 13.910	■ Ibrahimia Canal

Data Sheet for	r the Minor Str	<u>ucture</u>	For Regulator	M42
1. Name	Sawada C	anal	2. Construction Year	1990
3. TypeSelect fr	om as follow item	· (Intake,	Regulator, Tail escape)	Regulator
4. Canal's name /	Main canal name		Rive	r Nile
5. Command Area (feddan)	10,000)	6. Max discharge (m³/day) or (m³/s)	4.40 m3/s
7. Length of Canal downstream the structure (km)				16.620
8. Necessary work	s for improvement	/ Rehabilita	tion or Reconstruction	Reconstruction
9. Commencemen	t of the necessary v	works for im	provement	Within 5 yrs
10. Cost of the nee	cessary works for i	mprovemen	t	250,000 LE
11. Contents of the improvement	e necessary works	for	Need the reconstruction at front of the at same time.	intake and prefable replace the gate
12. Existing proble	ems of the structure	Э	The structure has been damaged by seem at surround the gate. The gate h	
13. Material of the	structure / Wood, E	Brick, Stone	, Steal, Other	Brick
14. Question and l	Dimension of the st	ructure (If 1	nothing of information, please	write "N")
1) Gate Height ((m)			2.50 m
2) Gate Width (m)			2.80 m
3) Number of Vo	ent (How many ?)			1
4) Up stream wa	ater level EL(m)			Up Stream EL39.20
5) Down stream	water level EL(m)			Down Stream EL39.10
6) Bed level EL(m)			EL37.00
7) Gate type / W	ood, Steal, Others,	Nothing		Steel
8) Structure cor	dition / Excellent, Go	ood, Bad, Alr	eady Expire	<u>bad</u>
9) Gate condition	n / Excellent, Good,	Bad, Already	/ Expire	not so bad
10) How ofen the	ne maintenance / eve	ery half year	or 1 year nothing etc.	1 yr (by original data sheet)
11) Please write	remarks, if any			
	Front		Тор	Side or Behind
15. Picture				
16. Location / Also show the Location other MAP	River Nile	Sawada C	anal	Sawada Regulator

<u>Data Sheet for the Minor Structure</u>

For Intake

3. TypeSelect from as follow item- (Intake, Regulator, Tail escape) Intake 4. Canal's name / Main canal name Ebraheemeyya Canal 5. Command Area (feddan) 1,000 6. Max discharge (m³/day) or (m³/s) 0.44 m3/s 7. Length of Canal downstream the structure (km) 2.640 Km 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement Within 5 yrs 10. Cost of the necessary works for improvement 150,000 LE 11. Contents of the necessary works for improvement 150,000 LE 12. Existing problems of the structure The structure ead the regulation function, however there is not gate. 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (if nothing of information, please write "N") 1) Gate Height (m)	1. Name	West Desout	2. Construction Year	N
4. Canal's name / Main canal name 5. Command Area (feddan) 7. Length of Canal downstream the structure (km) 8. Necessary works for improvement / Rehabilitation or Reconstruction 9. Commencement of the necessary works for improvement 10. Cost of the necessary works for improvement 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (if nothing of information, please write "N") 10. Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Afready Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind Firent Top Side or Behind Firent Top Side or Behind Firent Top Sate Desout Br. Best Desout Br. Bast Desout Br.				N
6. Command Area (feddan) 1,000 6. Max discharge (m³/day) or (m³/s) 2,640 Km 2,640 Km 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 ty (by original data sheet) 15. Picture 16. Location / Also show the Location other MMAP 17. Bed Desout Canal 18. East Desout Br. Reg. West Desout Br. Reg.	, ,		1	
(feddan) 7. Length of Canal downstream the structure (km) 2.640 Km 8. Necessary works for improvement / Rehabilitation or Reconstruction 9. Commencement of the necessary works for improvement 10. Cost of the necessary works for improvement 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (if nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (by original data sheet) 15. Picture 16. Location / Also show the Location other MAP B Desout Canal Fipe Line Bast Desout Br. East Desout Br. East Desout Br.		lain canal name		
8. Necessary works for improvement / Rehabilitation or Reconstruction 9. Commencement of the necessary works for improvement 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (ty original data sheet) 15. Picture 16. Location 17. Also show the Location other 18. Desout Canal 19. East Desout Br. 19. East Desout Br. 19. East Desout Br.		1,000	_	
9. Commencement of the necessary works for improvement 10. Cost of the necessary works for improvement 11. Contents of the necessary works for improvement 11. Contents of the necessary works for improvement 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Cate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1) yr (by original data sheet) 15. Picture Front Top Side or Behind	7. Length of Canal	downstream the structure (km	n)	2.640 Km
10. Cost of the necessary works for improvement 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (if nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (by original data sheet) 15. Picture Front Top Side or Behind Front Top Side or Behind B Desout Canal Fipe Line East Desout Reg.	8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
Need the reconstruction at front of the intake and install the gate.	9. Commencement of the necessary works for improvement Within 5 yrs			
Inprovement 12. Existing problems of the structure The structure need the regulation function, however there is not gate. 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (by original data sheet) 15. Picture West Desout Br. Reg West Desout Br. Reg He Desout Canal Fixed East Desout Br. East Desout Br. East Desout Br. East Desout Br.	10. Cost of the nece	essary works for improvemen	t	150,000 LE
13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture B Desout Canal East Desout Br. Reg High East Desout Br. East Desout Br.	11. Contents of the improvement	necessary works for	Need the reconstruction at front of the	intake and install the gate.
14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m)	12. Existing proble	ms of the structure	The structure need the regulation fund	ction, however there is not gate.
1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg West Desout Br. East Desout Br. B Desout Canal East Desout Br.	13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	
2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg West Desout Br. East Desout Br.	14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1) Yr (by original data sheet) 11) Please write remarks, if any Front Top Side or Behind 15. Picture 16. Location / Also show the Location other MAP B Desout Canal East Desout Br. Fige Line East Desout Reg.	1) Gate Height (n	n)		
4) Up stream water level EL(m) 5) Down stream water level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1) yr (by original data sheet) 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg West Desout Br. Reg HD Desout Canal East Desout Br. Fige Line East Desout Reg	2) Gate Width (m	n)		
5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg West Desout Br. Reg B Desout Canal Fige Line East Desout Br.	3) Number of Ve	nt (How many ?)		
6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg. West Desout Br. Reg. H Desout Canal East Desout Br. East Desout Br.	4) Up stream wat	ter level EL(m)		
8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. H Desout Canal Fige Line East Desout Reg.	5) Down stream	water level EL(m)		
8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (by original data sheet) 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg. West Desout Br. Reg. B Desout Canal Ripe Line East Desout Reg.	6) Bed level EL(n	n)		
9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (by original data sheet) 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. West Desout Br. High Desout Canal Fast Desout Br. High East Desout Reg.	7) Gate type / Wo	ood, Steal, Others, Nothing		
10) How ofen the maintenance / every half year or 1 year nothing etc. 1 yr (by original data sheet) 11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg. West Desout Br. Reg. H Desout Canal East Desout Br. Fige Line East Desout Reg.	8) Structure cond	lition / Excellent, Good, Bad, Alre	eady Expire	
11) Please write remarks, if any Front Top Side or Behind 15. Picture West Desout Br. Reg. West Desout Br. Reg. High Desout Canal East Desout Reg.	9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	
Front Top Side or Behind 15. Picture West Desout Br. Reg. West Desout Br. High Desout Canal East Desout Br. High Line East Desout Reg.	10) How ofen the	e maintenance / every half year	or 1 year nothing etc.	1 yr (by original data sheet)
15. Picture West Desout Br. West Desout Br. H Desout Canal Fipe Line East Desout Reg.	11) Please write	remarks, if any		
16. Location / Also show the Location other MAP B Desout Canal Fige Line East Desout Reg.		Front	Тор	Side or Behind
West Desout Br.Reg. West Desout Br. Reg. West Desout Br. He Desout Canal Fige Line West Desout Br. Reg. West Desout Br. Reg.	15. Picture			
Pipe Line East Desout Reg.			l	.Reg.
• 1/3/3				-

Data Sheet for the Minor Structure For Regulator **M44** 1. Name 1 Safsafa Branch 2. Construction Year 3. Type --Select from as follow item--(Intake, Regulator, Tail escape) Regulator 4. Canal's name / Main canal name Ebraheemeyya Canal 6. Max discharge 5. Command Area 900 $0.40 \, \text{m}3/\text{s}$ (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 6.060 8. Necessary works for improvement / Rehabilitation or Reconstruction New Construction (need more study) 9. Commencement of the necessary works for improvement Within 5 yrs 10. Cost of the necessary works for improvement 300,000 LE 11. Contents of the necessary works for The district engineer requested to need new regulator at followng picture improvement showed. In this case, need more study the purpose of the structure and condition of the water level, also discharge volume etc. 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) ----4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) ----7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 1 yr (by original data sheet) 11) Please write remarks, if any Side or Behind **Front** Top New Proposed Location 15. Picture **B** Ibrahimia Sofsafa1 Canal Regulator 16. Location Also show the Location other MAP Sofsafa1 Branch

Data Sheet for	the Minor Structure	For	Tail Escape		M45
1. Name	Bany wallems Escape	2. C	onstruction Year		1950
3. TypeSelect from	om as follow item (Intake, F	Regulato	r, Tail escape)		Tail escape
4. Canal's name / N	lain canal name			/ Canal	
5. Command Area	2,700		lischarge		0.30 m3/s
(feddan) 7. Length of Canal	l downstream the structure (km		y) or (m³/s)		0.000
8. Necessary works for improvement / Rehabilitation or Reconstruction					econstruction
	of the necessary works for im				Within 5 yrs
	essary works for improvemen	-			50,000 LE
	necessary works for		econstruction and install th	ne gate	,
12. Existing proble	ms of the structure	The struct	ure has been damaged by	weathering ar	nd deterioration.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, C	ther		Brick
14. Question and D	imension of the structure (If r	nothing o	of information, pleas	e write "N")
1) Gate Height (r	n)				1.50
2) Gate Width (m	n)				0.50
3) Number of Ve	nt (How many ?)				1
4) Up stream wat	ter level EL(m)			Up \$	Stream EL32.00
5) Down stream water level EL(m)					
6) Bed level EL(m)				EL31.00	
7) Gate type / Wo	ood, Steal, Others, Nothing				Nothing
8) Structure cond	lition / Excellent, Good, Bad, Alre	eady Exp	ire	А	Iready Expire
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire			No gate
10) How ofen the	e maintenance / every half year	or 1 year	nothing etc.		
11) Please write	remarks, if any				
	Front		Тор	Si	de or Behind
15. Picture					
16. Location / Also show the Location other MAP	Bani Wal Lami		lal Lames Tail Escape	→	∃ Moheet Drain

Data Sheet for	the Minor Structure	For Tail Escape	M46
1. Name	1 Al-Safsafa Branch	2. Construction Year	1945
3. TypeSelect fro	m as follow item (Intake, I	Regulator, Tail escape)	Tail escape

1. Name	1 Al-Safsafa Branch	2. Construction Year	1945
3. TypeSelect from as follow item (Intake, R		Regulator, Tail escape)	Tail escape
4. Canal's name / Main canal name		Ebraheemeyya Branch	
5. Command Area (feddan)	1,200	6. Max discharge (m³/day) or (m³/s)	0.13 m3/s
7. Length of Canal downstream the structure (km)			0.000
8. Necessary works for improvement / Rehabilitation or Reconstruction		tion or Reconstruction	<u>Reconstruction</u>
9. Commencement of the necessary works for improvement		Within 5 yrs	
10. Cost of the nece	essary works for improvemen	t	<u>50,000 LE</u>
11. Contents of the necessary works for improvement Need the reconstruction and install the gate		e gate	
12. Existing problems of the structure		The structure has been damaged by weathering and deterioration.	

13. Material of the structure / Wood, Brick, Stone, Steal, Other	Concrete pipe
14. Question and Dimension of the structure (If nothing of information, please	write "N")
1) Gate Height (m)	1.25
2) Gate Width (m)	1.00
3) Number of Vent (How many ?)	1.00
4) Up stream water level EL(m)	Up Stream EL37.50
5) Down stream water level EL(m)	
6) Bed level EL(m)	EL3700.00
7) Gate type / Wood, Steal, Others, Nothing	Steel
8) Structure condition / Excellent, Good, Bad, Already Expire	Already Expire
9) Gate condition / Excellent, Good, Bad, Already Expire	Already Expire
10) How ofen the maintenance / every half year or 1 year nothing etc.	

11) Please write remarks, if any

11) Flease Will	te remarks, ii any		
	Front	Тор	Side or Behind
15. Picture			
16. Location	El Moheet Drain		

16. Location
/ Also show the
Location other
MAP

El Sofsafa No 1 Tail Escape

Data Sheet for the Minor Structure For Tail Escape M47 1. Name 2 Safsafa Branch 2. Construction Year 3. Type --Select from as follow item--(Intake, Regulator, Tail escape) Tail escape 4. Canal's name / Main canal name Ebraheemeyya Canal 6. Max discharge 5. Command Area 900 $0.10 \, \text{m}3/\text{s}$ (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 0.000 8. Necessary works for improvement / Rehabilitation or Reconstruction No need 9. Commencement of the necessary works for improvement Within 20 yrs 10. Cost of the necessary works for improvement 11. Contents of the necessary works for The structure has been expired almost (we could not see improvement structure). According to the hearing to farmer, the water has not been reached up the bank, therefore, there is no problem. 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) ----4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) ----7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire ----10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any **Front** Top Side or Behind

11) Please write remarks, if any Front Top Side or Behind 15. Picture | Front | Top | Side or Behind | Front | Fron

Data Sheet for	the Minor Structure	For Tail Escape	M48
1. Name	Al-Sheikh Yousef Branch	2. Construction Year	1950
3. TypeSelect from	om as follow item (Intake, I	Regulator, Tail escape)	Tail escape
4. Canal's name / M	lain canal name		Ebraheemeyya Canal
5. Command Area (feddan)	600	6. Max discharge (m³/day) or (m³/s)	0.07 m3/s
7. Length of Canal	downstream the structure (km		0.000
8. Necessary works for improvement / Rehabilitation or Reconstruction			Reconstruction
9. Commencement	of the necessary works for im	nprovement	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t	<u>50,000 LE</u>
11. Contents of the improvement	necessary works for	Need the reconstruction with re	eplace the pipe.
12. Existing proble	ms of the structure	The pipe has been broken at u	nder the road.
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Concrete pipe : 0.50m dia.
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Gate Height (n	n)		
2) Gate Width (m	1)		
3) Number of Ve	nt (How many ?)		
4) Up stream water level EL(m)			
5) Down stream water level EL(m)			
6) Bed level EL(m)			34.62
7) Gate type / Wo	ood, Steal, Others, Nothing		
8) Structure condition / Excellent, Good, Bad, Already Expire			
9) Gate condition	n / Excellent, Good, Bad, Already	y Expire	
10) How ofen the	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	El Moheet Drain	El Shaikh Yousef Tail Escape	

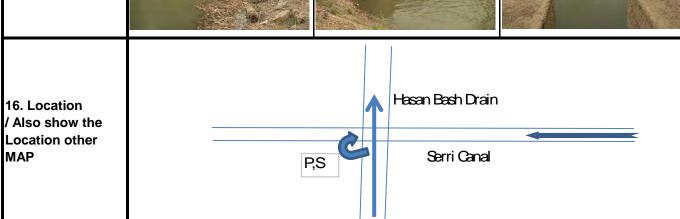
Data Sheet for the Minor Structure For Tail Escape **M49** 1. Name West Tahnasha Branch 2. Construction Year 3. Type --Select from as follow item-- (Intake, Regulator, Tail escape) Tail escape Al Badraman canal 4. Canal's name / Main canal name 6. Max discharge 5. Command Area 410 0.05 m3/s (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) Ν 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement Within 5 yrs 10. Cost of the necessary works for improvement 50,000 LE 11. Contents of the necessary works for Need the reconstruction and install the gate improvement 12. Existing problems of the structure The structure has been damaged by weathering and deterioration. 13. Material of the structure / Wood, Brick, Stone, Steal, Other **Brick** 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 1.00 2) Gate Width (m) 0.5 3) Number of Vent (How many?) 1 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) ----7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already Expire 9) Gate condition / Excellent, Good, Bad, Already Expire 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 1 Year 11) Please write remarks, if any **Front** Top Side or Behind 15. Picture El Moheet Drain 16. Location

16. Location/ Also show the Location otherMAP

West Tahnash a Tail Escape

Data Sheet for	the Minor Structure	For Pump station	M50
1. Name	Abu Haseeba Branch	2. Construction Year	1985 & 2000
3. Туре			Pump station
4. Canal's name / M	ain canal name	Ebraheem	eyya Canal
5. Command Area (feddan)	1,000	 Max discharge of canal (m³/day) or (m3/s) 	0.44 m3/s
7. Length of Canal	downstream the structure (km	n)	5.000
8. Necessary works for improvement / Rehabilitation or Reconstruction		<u>Rehabilitation</u>	
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	200,000 LE
11. Contents of the improvement	necessary works for	Need the replace the pump and	d rehabilitation
12. Existing proble	ms of the structure	One of two pumps is expired	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Conceret	2 pumps
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Max discharge	e of the Pump (m ³ /s)		0.5 m3/sec
2) Number of pur	mp (How many?)		2 Units
3) Diameter of th	e Pump (mm)		250
4) Where from co	ountry is the pump machine insta	alled site?	China
5) Power source / Electricity, Diesel, others		Electricity	
6) How ofen the maintenance / every half year or 1 year nothing etc.		1 yr (sourced by original data sheet)	
7) Inatke side water level EL(m)			
8) Discharge side water level EL(m)		Down Stream EL35.00	
9) Pump head =	" 8) - 7) " (m)		
10) Please write	remarks, if any	Out of criteria on this project (this canal from the Nile directly)
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Abou Has Br.	Seeba Abou Hasee	River Nile ba P.S

Data Sheet for	the Minor Structure	For Pump station	M51
1. Name	Hassen Basha Drain Pump station	2. Construction Year	N
3. Туре			Pump station
4. Canal's name / M	ain canal name	Hassen Basha [Orain /Serry canal
5. Command Area (feddan)	60,000	 Max discharge of canal (m³/day) or (m3/s) 	6.60 m3/s
7. Length of Canal	downstream the structure (km	n)	58.000
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction Construc	tion of the pump station (Need more study)
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	500,000 LE
11. Contents of the necessary works for improvement 12. Existing problems of the structure Currently, this structure is siphon. In this site has the problem of the low water level, therefore the district engineer requirement the pump station instead of the siphon. Need the more structure of the actual status.			the district engineer requested
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Conceret	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Max discharge	of the Pump (m³/s)		0.5 m3/sec
2) Number of pump (How many?)			
3) Diameter of the Pump (mm)			
4) Where from co	ountry is the pump machine insta	alled site?	
5) Power source	/ Electricity, Diesel, others		Electricity
6) How ofen the	maintenance / every half year o	r 1 year nothing etc.	
7) Inatke side wa	ter level EL(m)		
8) Discharge side	e water level EL(m)		Down Stream EL34.00
9) Pump head = '	" 8) - 7) " (m)		
10) Please write ı	remarks, if any	Out of criteria on this proj	ect (this is drain, not canal)
	Front	Тор	Side or Behind
15. Picture			



Data Sheet for the Minor Structure	For Pump station	M52
Data Officer for the Million Officers	i di i dilib statidii	IVIJE

Data Officer for	the Millor Structure	i di i dilip station	IVIJZ
1. Name	Samalout Canal	2. Construction Year	2000
3. Туре			Pump station
4. Canal's name / N	lain canal name	Ebraheen	neyya Canal
5. Command Area (feddan)	1,000	6. Max discharge of canal (m³/day) or (m3/s)	0.5 m ³ /sec
7. Length of Canal downstream the structure (km)		1.140	
8. Necessary works for improvement / Rehabilitation or Reconstruction		<u>Rehabilitation</u>	
9. Commencement of the necessary works for improvement		Within 5 yrs	
10. Cost of the nec	essary works for improvemen	t	250,000 LE
11. Contents of the improvement	necessary works for	Need the installation of the nev	w pump
12. Existing proble	ms of the structure	The demand of the water has spare pump is required.	been increased, therefore one
13. Material of the	structure / Wood, Brick, Stone	, Steal, Conceret	2 pumps
14. Question and D	imension of the structure (If	nothing of information, pleas	e write "N")
1) Max discharge	e of the Pump (m ³ /s)		0.5 m ³ / sec
2) Number of pu	mp (How many?)		3 unit
3) Diameter of th	e Pump (mm)		240
4) Where from c	ountry is the pump machine insta	alled site?	unknown
5) Power source	/ Electricity, Diesel, others		Electricity
6) How ofen the maintenance / every half year or 1 year nothing etc.		1 yr (sourced by original data sheet)	
7) Inatke side water level EL(m)			
8) Discharge side water level EL(m)		Down Stream EL36.50	
9) Pump head = " 8) - 7) " (m)			
10) Please write	remarks, if any	Out of criteria on this project	(this canal from the Nile directly)
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Samalout	Samalout P	River Nile

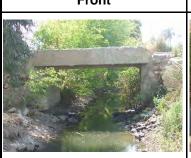
<u>Data Sheet for the Minor Structure</u> For Siphon

	the minor otractare	i oi oipiioii	14100
1. Name	Sawada Intake	2. Construction Year	N
3. TypeSelect fro	m as follow item (Culvert	, Siphon, Aqueduct)	siphon
4. Canal's name / M	lain canal name	Sawada Inta	ke River Nile
5. Command Area (feddan)	1,500	6. Max discharge (m³/day) or (m³/s)	0.66 m3/s
7. Length of Canal	downstream the structure (km	1)	12.500 km
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for in	nprovement (At least after 5yr)	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	50,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the st	
12. Existing proble	ms of the structure	The pipe is not so bad, howeve pipe has been damaged.	r the structure at edge of the
13. Material of the s	structure / Wood, Brick, Stone	e, Steal, Other	Brick
14. Material of the p	pipe / Wood, Brick, Stone, Ste	al, Other	steel
15. Question and D	imension the structure (If not	thing of information, please w	rite "N")
1) Vent height of	the Culvert (m)		
2) Vent width of t	he Culvert (m)		
3) Length of the	Culvert, Siphon, Aqueduct (m)		25.00
4) Depth of the S	iphon pipe. The depth is from the	ne canal bank to the pipe(m)	5.00
5) The difference	of water head level of the sipho	on (m)	15.00
6) Diameter of the pipe for Siphon or Aqueaduct (mm)		1.00	
7) Up stream water level EL(m)		Up Stream EL38.25	
8) Down stream water level EL(m)		Down Stream EL38.10	
9) Length of pipe for Siphon or Aqueaduct,if any (m)		25.00m	
10) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
11) Pipe conditio	n / Excellent, Good, Bad, Alread	dy Expire	Bad
12) How ofen the	e maintenance / every half year	or 1 year nothing etc.	1 year
13) Please write	remarks, if any	Out of criteria on this project (t	his canal from the Nile directly)
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	River Nile	Flodding Chanle Sawada Canal	Sawada Sphon

Data Sheet for	the Minor Structure	For Aqueduct	M54
1. Name	Waslet Al-Shere'l	2. Construction Year	1970
3. TypeSelect fro	om as follow item (Culvert	, Siphon, Aqueduct)	Aqueduct
4. Canal's name / N	lain canal name	Serry	Canal
5. Command Area (feddan)	400	6. Max discharge (m³/day) or (m³/s)	0.18 m3/s
7. Length of Canal	downstream the structure (kn	n)	3.0
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t	80,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction as the	siphon
12. Existing proble	ms of the structure	The water throgh the pipe is prothe the drain, the pipe prevent the	evented the garbage. At across fair water.
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Brick
14. Material of the լ	oipe / Wood, Brick, Stone, Ste	al, Other	Steel
15. Question and D	imension the structure (If no	thing of information, please w	rite "N")
1) Vent height of the Culvert (m)			
2) Vent width of the Culvert (m)			
3) Length of the Culvert, Siphon, Aqueduct (m)		16.00	
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)			
5) The difference of water head level of the siphon (m)			
6) Diameter of the pipe for Siphon or Aqueaduct (mm)		1.00	
7) Up stream water level EL(m)		Up Stream EL36.10	
8) Down stream	water level EL(m)		Down Stream EL36.00
9) Length of pipe	for Siphon or Aqueaduct,if any	(m)	16.00
10) Structure cor	ndition / Excellent, Good, Bad, A	Already Expire	Bad
11) Pipe condition	n / Excellent, Good, Bad, Alrea	dy Expire	Bad
12) How ofen th	e maintenance / every half year	or 1 year nothing etc.	1 yr (sourced by original data sheet)
13) Please write remarks, if any			
_	Front	Тор	Side or Behind
15. Picture			

15. Picture Front Top Side or Behind 15. Picture Serri Canal Drain Waslet AlShere'

Data Sheet for the Minor Structure For Bridge **M55** 1. Name Al-Fashneyya Canal 2 2. Construction Year 1955 3. Type Bridge ELFASHEN CANAL / EBRAHEMIA CANAL 4. Canal's name / Main canal name 6. Max discharge of canal 5. Command Area 1.300 0.57 m3/s (feddan) (m³/day) or (m3/s) 7. Length of Canal downstream the structure (km) 6.5 KM 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement Within 5 yrs 10. Cost of the necessary works for improvement 300,000 LE 11. Contents of the necessary works for Need the reconstruction improvement 12. Existing problems of the structure The structure has been damaged by weathering and deterioration. 13. Material of the structure / Wood, Brick, Stone, Steal, Conceret **Brick** 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Width of the Bridge (m) 4.00 2) Length of the Bridge (m) 5.20 3) Hieight of the pier or abut of the Bridge from the canal bed (m) 2.60 4) Width of the canal at Bridge point (m) 5.20 5) Width of up stream of the canal (m) 5.20 6) Width of down stream of the canal (m) 5.20 7) Up stream water level EL(m) Up Stream EL33.10 8) Down stream water level EL(m) Down Stream EL33.00 9) How ofen the maintenance / every half year or 1 year ... nothing... etc. Out of criteria on this project 10) Please write remarks, if any (this bridge does not concern the effect of DGR directly) **Front** Top Side or Behind 15. Picture





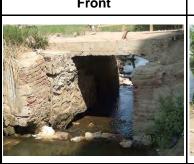


16. Location / Also show the Location other MAP

Al Fashnia 2 Bridge Al Fashnia Canal

Ibrahimiya Canal

Data Sheet for	the Minor Structure	For Bridge	M56
1. Name	Al-Fashneyya Canal 1	2. Construction Year	1955
3. Туре			Bridge
4. Canal's name / M	ain canal name	ELFASHEN CANAL /	EBRAHEMIA CANAL
5. Command Area (feddan)	1,500	 Max discharge of canal (m³/day) or (m3/s) 	0.66 m3/s
7. Length of Canal	downstream the structure (km	1)	7.7
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction	
12. Existing probler	ms of the structure	The structure has been damaged by w	veathering and deterioration.
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Conceret	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the B	ridge (m)		1.80
2) Length of the Bridge (m)			4.00
3) Hieight of the pier or abut of the Bridge from the canal bed (m)		ne canal bed (m)	1.80
4) Width of the ca	anal at Bridge point (m)		2.20
5) Width of up str	eam of the canal (m)		5.00
6) Width of down	stream of the canal (m)		4.00
7) Up stream wat	er level EL(m)		Up Stream EL33.10
8) Down stream v	water level EL(m)		Down Stream EL33.00
9) How ofen the r	maintenance / every half year or	1 year nothing etc.	
10) Please write ı	remarks, if any		on this project n the effect of DGR directly)
	Front	Тор	Side or Behind
15. Picture			







16. Location / Also show the Location other MAP

Al Fashnia 1 Bridge Al Fashnia Canal

Ibrahimiya Canal

Data Sheet for	the Minor Structure	For Bridge	M57
1. Name	Ma'atan Bridge	2. Construction Year	1950
3. Туре			Bridge
4. Canal's name / N	lain canal name	Serry	Canal
5. Command Area (feddan)	15,000	 Max discharge of canal (m³/day) or (m3/s) 	6.60 m3/s
7. Length of Canal	downstream the structure (km	n)	15.0
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction	
12. Existing proble	ms of the structure	The structure has been damaged by v	veathering and deterioration.
13. Material of the	structure / Wood, Brick, Stone	, Steal, Conceret	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the B	ridge (m)		4.50
2) Length of the	Bridge (m)		9.20
3) Hieight of the	pier or abut of the Bridge from th	ne canal bed (m)	2.50
4) Width of the c	anal at Bridge point (m)		11.00
5) Width of up stream of the canal (m)		11.00	
6) Width of down	stream of the canal (m)		11.00
7) Up stream water level EL(m)		Up Stream EL33.90	
8) Down stream	water level EL(m)		Down Stream EL33.90
9) How ofen the	maintenance / every half year or	1 year nothing etc.	1 yr (sourced by original data sheet)
10) Please write	remarks, if any		on this project rn the effect of DGR directly)
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Serri Canal	Al Ma'atan Brid	dge

Data	Sheet	for the	Minor	Structure
Dala	OHEEL	וטו נוופ		Structure

For Regulator

M58

1. Name	Morgan Regulator	2- Construction Year	1917
3. TypeSelect fro	om as follow item (Intake, I	Regulator, Tail escape)	Regulator
4. Canal's name / M	ain canal name	Al Badrar	man canal
5. Command Area (feddan)	6,935	6. Max discharge (m³/day) or (m³/s)	3.05 m3/s
7. Length of Canal	downstream the structure (km	n)	16.365
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Within 5 Years
9. Commencement	of the necessary works for im	provement	Within 5 yrs
	essary works for improvemen	t	200,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and install the	e gate
12. Existing proble	ms of the structure	The structure has been damaged by v has been expired, there is not gate.	veathering and deterioration. The gate
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Other	Bricks
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Vent Height (m	1)		3.00
2) Vent Width (m)		3.00
3) Number of Ver	nt (How many ?)		1
4) Up stream wat	er level EL(m)		Up Stream EL44.50
5) Down stream v	water level EL(m)		Down Stream EL44.40
6) Bed level EL(n	n)		EL42.60
7) Gate type / Wo	ood, Steal, Others, Nothing		nothing
8) Structure condition / Excellent, Good, Bad, Already Expire already expi		already expire	
9) Gate condition	/ Excellent, Good, Bad, Already	ndy Expire already expire	
10) How ofen the	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	⊞ Badraman C	•	gulator Km 12.100

Data Sheet for	the Minor Structure	For Bridge	M59
1. Name	SHEIKH YOUSEF BRANCH	2. Construction Year	1950
3. Туре			Bridge
4. Canal's name / M	ain canal name	Ebraheem	eyya Canal
5. Command Area (feddan)	350	 Max discharge of canal (m³/day) or (m3/s) 	0.15 m3/s
7. Length of Canal	downstream the structure (km	1)	3.00 km
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	Within 5 yrs
10. Cost of the nece	essary works for improvemen	t	150,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction with wide ven	ıt
12. Existing probler	ms of the structure	The structure has been damaged by v narrow vent prevent the fair water.	veathering and deterioration. The
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Conceret	Conceret
14. Question and D	imension of the structure (If ı	nothing of information, please	write "N")
1) Width of the B	ridge (m)		D= 0.80 m
2) Length of the E	Bridge (m)		L= 5.00 m
3) Hieight of the p	pier or abut of the Bridge from th	ne canal bed (m)	
4) Width of the ca	anal at Bridge point (m)		0.80
5) Width of up str	ream of the canal (m)		5.00
6) Width of down	stream of the canal (m)		5.00
7) Up stream wat	er level EL(m)		Up Stream EL36.30
8) Down stream v	water level EL(m)		Down Stream EL36.20
9) How ofen the r	maintenance / every half year or	1 year nothing etc.	
10) Please write ı	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			

Shaikh Yousef Branch

9-ElkH YOUSEF Bridge

Sofsafa 4 Branch

Data Sheet for the Minor Structure	

For Bridge

		<u> </u>	
1. Name	WEST ABA CANAL	2. Construction Year	1989
3. Туре			Bridge
4. Canal's name / N	lain canal name	Ebraheem	eyya Canal
5. Command Area (feddan)	1,500	6. Max discharge of canal (m³/day) or (m3/s)	0.66 m3/s
7. Length of Canal	downstream the structure (ki	m)	1.2 km
8. Necessary works	s for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	mprovement	Within 5 yrs
10. Cost of the nec	essary works for improveme	nt	150,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction with wide ver	nt
12. Existing proble	ms of the structure	The structure has been damaged by value narrow vent prevent the fair water.	weathering and deterioration. The
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Conceret	Brick
14. Question and D	imension of the structure (If	nothing of information, please	e write "N")
1) Width of the B	ridge (m)		3.00 m
2) Length of the	Bridge (m)		4.00 m
3) Hieight of the	pier or abut of the Bridge from t	the canal bed (m)	1.5 m
4) Width of the c	anal at Bridge point (m)		3.00m
5) Width of up st	ream of the canal (m)		1.00m
6) Width of down	stream of the canal (m)		1.00m
7) Up stream wa	ter level EL(m)		Up Stream EL33.25
8) Down stream	water level EL(m)		Down Stream EL33.20
9) How ofen the	maintenance / every half year o	or 1 year nothing etc.	N
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	West Abba Bra	West Abba Bridge Ibrahimiya Canal	

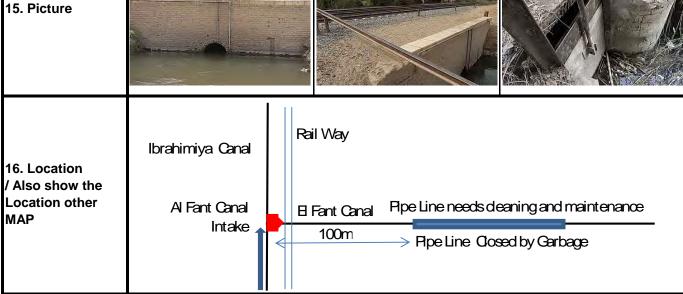
Data Sheet by Consultant in Beni-Suef

Item	Number of Structure	Remarks
Intake	11	
Regulator	1	
Tail escape	9	
Culvert	1	
Siphon	5	
Aqueduct	3	
Bridge	2	
Weir	1	
Pipe line	3	
Pump station	1	
Total Structure	37	

Data Sheet of the Minor Structure	For Intake	B1
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	the Millor Otractare	1 Of Illiano	D 1
1. Name	ALFANT	2. Construction Year	1972
3. Туре			Intake
4. Canal's name		ALFANT canal	
5. Command Area (feddan)	7,000	6. Max discharge of canal (m³/day) or (m³/s)	3.50 m3/s
7. Length of Canal	downstream the structure (km	n)	12.680
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Maintenance</u>
9. Commencement	of the necessary works for im	provement	within 5 yrs
10. Cost of the nece	essary works for improvemen	t	<u>30,000 LE</u>
11. Contents of the improvement	necessary works for	Need to remove the garbage ur	gently.
12. Existing proble	ms of the structure	The structure is not so bad, but 500m, from the intake is closed	
13. Material of the s	structure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (n	n)		3.00
2) Gate Width (m	n)		3.00
3) Number of Ve	nt		1
4) Up stream wat	ter level EL(m)		Up Stream EL32.90
5) Down stream	water level EL(m)		Down Stream EL 32.65
6) Bed level EL(n	n)		EL31.70
7) Gate type / Wo	ood, steel, Others, Nothing		steel
8) Structure condition / Excellent, Good, Bad, Already Expire		Not so bad	
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Not so bad
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Ibrahimiya Canal	Fant Canal Pipe Line needs de 500 m Pipe Line Clos	eaning and maintenance eed by Garbage

Data Sheet of	the Minor Structure	For Intake	B2
1. Name	ELSHARAHN AELKABLIA	2. Construction Year	1965
3. Туре			Intake
4. Canal's name		ELSHARAHN AELKABLIA	
5. Command Area (feddan)	1,000	 Max discharge of canal (m³/day) or (m³/s) 	1.00 m3/s
7. Length of Canal	downstream the structure (kn	1)	<u>10.150</u>
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Maintenance</u>
9. Commencement	of the necessary works for in	nprovement	within 5 years
10. Cost of the nec	essary works for improvemen	t	30,000 LE
11. Contents of the improvement	necessary works for	Need to remove the garbage upgate.	gently and maintenance of the
12. Existing proble	ms of the structure	Pipe line at down stream of intake gate does not suitable work, howe	
13. Material of the s	structure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (r	n)		3.00
2) Gate Width (m	n)		<u>0.95</u>
3) Number of Ve	nt		1
4) Up stream wat	ter level EL(m)		Up Stream EL31.50
5) Down stream	water level EL(m)		Down Stream EL 31.20
6) Bed level EL(n	n)		EL30.70
7) Gate type / Wo	ood, steel, Others, Nothing		Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Not so bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			



Data Choot of	the Millor Structure	rui iiilak e	DJ
1. Name	Elmagrofa elgrbia	2. Construction Year	<u>1960</u>
3. Туре			Intake
4. Canal's name		Elmagrofa elgrbia	
5. Command Area (feddan)	2,888	 Max discharge of canal (m³/day) or (m³/s) 	1.60 m3/s
7. Length of Canal	downstream the structure (km	n)	6.450
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Maintenance</u>
9. Commencement	of the necessary works for im	provement	Within 20 years
10. Cost of the nece	essary works for improvemen	t	30,000 LE
11. Contents of the improvement	necessary works for	The structure has few damage. Need the maintenance gate	
12. Existing proble	ns of the structure	District engineer report that car from fair intake, but distcharge	
13. Material of the s	structure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	e write "N")
1) Gate Height (n	n)		3.00
2) Gate Width (m)		2.50
3) Number of Vei	nt		1
4) Up stream wat	er level EL(m)		Up Stream EL30.00
5) Down stream	water level EL(m)		Down Stream EL 29.50
6) Bed level EL(n	າ)		EL29.00
7) Gate type / Wo	ood, steel, Others, Nothing		Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Not so bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Not so bad
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	lbrahimiya Bmagrofa Bgharbia Canal Ir	Bmagrofa Bgha	rbia Canal

Data Sheet of	the Minor Structure	For Intake	B4
1. Name	ELSAHARA	2. Construction Year	1953
3. Туре			Intake
4. Canal's name		ELSAHARA canal	
5. Command Area (feddan)	6,190	 Max discharge of canal (m³/day) or (m³/s) 	3.50 m3/s
7. Length of Canal	downstream the structure (km	1)	14.100
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 years
10. Cost of the nece	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and recon	mmend to support into the pipe.
12. Existing probler	ms of the structure	The structure has been damag	ed heavily by Weathering.
13. Material of the s	tructure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and Di	imension of the structure (If I	nothing of information, please	e write "N")
1) Gate Height (n	۱)		3.00
2) Gate Width (m)		2.50
3) Number of Ver	nt		1
4) Up stream wat	er level EL(m)		Up Stream EL28.50
5) Down stream v	vater level EL(m)		Down Stream EL 28.20
6) Bed level EL(m	n)		EL27.80
7) Gate type / Wo	ood, steel, Others, Nothing		Steel
8) Structure cond	ition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) Please write r	emarks, if any	According to the original data sout every one year.	heet, maintenance is carried
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Ibrahimiya Bmagrofa Bgharbia Canal Int	Bmagrofa Bgharb	ia Canal

Data Sheet of	the Minor Structure	For Intake		B5	
1. Name	KELA	2. Constructi	on Year	<u>1935</u>	
3. Туре				Intake	
4. Canal's name		KELA ca	ınal		
5. Command Area (feddan)	20,000	 Max discharge (m³/day) or (m³/ 		6.50 m3/s	
7. Length of Canal	downstream the structure (km	n)		20.300	
8. Necessary works	s for improvement / Rehabilita	tion or Reconstru	ction	Reconstruction	on
9. Commencement	of the necessary works for im	provement		within 5 year	<u>rs</u>
10. Cost of the nec	essary works for improvemen	t		700,000 LE	<u> </u>
11. Contents of the improvement	necessary works for	Need the reconstruc	ction and replac	ce the gates.	
12. Existing proble	ms of the structure	The structure has at all.	been damage	ed and the gates can	not work
13. Material of the	structure / Wood, Brick, Stone	, steel, Concert		Brick	
14. Question and D	imension of the structure (If I	nothing of informa	ation, please	write "N")	
1) Gate Height (r	m)			3.00	
2) Gate Width (m	n)			3.00	
3) Number of Ve	nt			2	
4) Up stream wa	ter level EL(m)			Up Stream EL2	28.20
5) Down stream	water level EL(m)			Down Stream EL	. 28.00
6) Bed level EL(r	m)			EL26.45	
7) Gate type / We	ood, steel, Others, Nothing			Steel	
8) Structure cond	dition / Excellent, Good, Bad, Alr	eady Expire		Bad	
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire		Bad & not worl	king
10) Please write	remarks, if any	Once it was rehab	ilitation but it	is not working	
	Front	Тор		Side or Behi	nd
15. Picture					
16. Location / Also show the Location other MAP	Kella Canal	North Ammar Regulator		Reconstruction within 5 years 700,000 LE ace the gates. ged and the gates can not Brick write "N") 3.00 3.00 2 Up Stream EL28. Down Stream EL 2 EL26.45 Steel Bad Bad & not working side or Behind Ibrahimiya Canal	1
	Talacala	. agailatoi	South Ammai		

Data Sheet of	the Minor Structure	For Intake		B6		
1. Name	Amar AELKABLIA	2. Construction	n Year			
3. Туре				Intake		
4. Canal's name	anal's name Amar AELKABLIA					
5. Command Area (feddan)	1,500	6. Max discharge ((m³/day) or (m³/s		0.87 m3/s		
7. Length of Canal	downstream the structure (km	n)		3.000		
8. Necessary works for improvement / Rehabilitation or Reconstruction				Reconstruction		
9. Commencement	of the necessary works for im	provement		within 5 years		
10. Cost of the nec		300,000 LE				
11. Contents of the necessary works for improvement Need the reconstruction and				place the gate.		
12. Existing proble	ms of the structure	The structure has been damaged and the gate can not work all.		ot work at		
13. Material of the	structure / Wood, Brick, Stone	, steel, Concert		Brick		
14. Question and D	imension of the structure (If I	nothing of informat	tion, please v	write "N")		
1) Gate Height (r	m)			3.00		
2) Gate Width (m)				2.50		
3) Number of Vent				2		
4) Up stream water level EL(m)				Up Stream EL28.20		
5) Down stream water level EL(m)				Down Stream EL 27.90		
6) Bed level EL(m)				EL26.50		
7) Gate type / Wood, steel, Others, Nothing				Steel		
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad			
9) Gate condition / Excellent, Good, Bad, Already Expire				Bad & not working		
10) Please write remarks, if any Once it was rehabili		tation but it is not working				
	Right side	Left side	е	Тор		
15. Picture	404					
16. Location / Also show the Location other MAP	South Am	North Ammar mar Intake South Ammar	Kella	Ibrahimiya Canal	1	

Data Sheet of	the Minor Structure	For Pipi line	B7			
1. Name	Ashmant ALKABLIA	2. Construction Year	1950			
3. Туре			Pipi line			
4. Canal's name	. Canal's name Ashmant AELKABLIA					
5. Command Area (feddan)	4,720 6. Max discharge of canal (m³/day) or (m³/s)		2.73 m3/s			
7. Length of Canal	9.5					
8. Necessary works	Reconstruction					
9. Commencement	within 5 years					
10. Cost of the nece	<u>300,000 LE</u>					
11. Contents of the improvement	necessary works for	Need the replace the pipe and install the gate in front of the pipe.				
12. Existing proble	12. Existing problems of the structure The structure has been damaged.					
13. Material of the s	structure / Wood, Brick, Stone	, steel, Concert	R.C. pipes			
14. Question and D	imension of the structure (If ι	nothing of information, please	write "N")			
15. Question and D	imension the structure (If not	thing of information, please w	rite "N")			
1) Vent height of	the Culvert (m)		N			
2) Vent width of t	he Culvert (m)		N			
3) Length of the (Culvert, Siphon, Aqueduct (m)		N			
4) Depth of the S	iphon pipe. The depth is from th	e canal bank to the pipe(m)	<u>1.00</u>			
5) The difference of water head level of the siphon (m)			<u>0.30 m</u>			
6) Diameter of the pipe for Siphon or Aqueduct (mm)			<u>4 x 1.20m</u>			
7) Up stream water level EL(m)			Up Stream EL27.40			
8) Down stream water level EL(m)			Down Stream EL 27.10			
9) Length of pipe for Siphon or Aqueduct, if any (m)			<u>EL25.60</u>			
10) Structure con	ndition / Excellent, Good, Bad, A	Iready Expire	Bad			
11) Pipe condition	n / Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)			
12) Please write	remarks, if any	Under the railway	& Its length is 23 m			
	Front1	Front2	Behind or side			
15. Picture						
16. Location / Also show the Location other MAP	Ibrahimiya Cana Ashment AELKABLIA Inta	I ali v vay	→ BUA Canal			

Data Sheet of	the Minor Structure	For Intake	B8	
1. Name	HAGR ALAHON	2. Construction Year	1965	
3. Туре			Intake	
4. Canal's name	4. Canal's name HAGR ALAHON			
5. Command Area (feddan)	4,720	6. Max discharge of canal (m³/day) or (m³/s)	2.1 m3/s	
7. Length of Canal	downstream the structure (km	n)	15.600	
8. Necessary works	Reconstruction			
9. Commencement of the necessary works for improvement			within 5 years	
10. Cost of the nece	essary works for improvemen	t	300,000 LE	
11. Contents of the necessary works for improvement		Need the reconstruction and repla	struction and replace the gate.	
12. Existing problems of the structure		The structure has been damaged and the gates can not w suitable.		
13. Material of the s	tructure / Wood, Brick, Stone	, steel, Concert	Brick	
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")	
1) Intake Height (m)		3.50	
2) Intake Width (r	m)		3.00	
3) Number of Ver		1		
4) Up stream wat	er level EL(m)		Up Stream EL25.77	
5) Down stream water level EL(m)			Down Stream EL 25.40	
6) Bed level EL(m)			EL24.13	
7) Gate type / Wood, steel, Others, Nothing			Steel	
8) Structure cond	ition / Excellent, Good, Bad, Alr	eady Expire	Bad	
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad	
10) Please write remarks, if any		According to the original data sheet, maintenance is carried out every one year		
	Front	Behind	Тор	
15. Picture				
16. Location / Also show the Location other MAP	Bahr Yousef Can	al Lahoun Regulator		
	Hager & Lahoun Intake		Lahoun Canal	

Data Sheet of	the Minor Structure	For Intake	B9
1. Name	MOMTEZ CANAL	2. Construction Year	1970
3. Туре			Intake
4. Canal's name		MOMTEZ CANAL / Giza	
5. Command Area (feddan)	<u>1,073</u>	6. Max discharge of canal (m³/day) or (m³/s)	0.6 m3/s
7. Length of Canal	2.700		
8. Necessary works	for improvement / Rehabilita	ntion or Reconstruction	Reconstruction
9. Commencement	within 5 years		
	essary works for improvemen	nt	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the	intake and replace the gate.
12. Existing proble	ms of the structure	The structure has been damage suitable.	ed and the gates can not work
13. Material of the s	structure / Wood, Brick, Stone	e, steel, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Intake Height	(m)		<u>2.60</u>
2) Intake Width (m)		<u>1.20</u>
3) Number of Ve	1		
4) Up stream wat	er level EL(m)		Up Stream EL23.40
5) Down stream	water level EL(m)		Down Stream EL 23.30
6) Bed level EL(m)			EL22.50
7) Gate type / Wo	ood, steel, Others, Nothing		Steel
8) Structure cond	lition / Excellent, Good, Bad, Alı	ready Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Alread	y Expire	Bad
10) Please write	remarks, if any	According to the original data s out every one year	heet, maintenance is carried
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		El Geza Canal Momtaz Canal	Momtaz Canal Intake

Data Sheet of	the Minor Structure	For Intake	B10			
1. Name	ELATHAR	2. Construction Year	1970			
3. Туре	3. Туре					
4. Canal's name		ELATHAR canal / Giza canal				
5. Command Area (feddan)	<u>815</u>	 Max discharge of canal (m³/day) or (m³/s) 	<u>0.44 m3/s</u>			
7. Length of Canal o	downstream the structure (km	1)	4.000			
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Rehabilitation</u>			
9. Commencement	of the necessary works for im	nprovement	within 5 years			
10. Cost of the nece	essary works for improvemen	t	<u>50,000 LE</u>			
11. Contents of the improvement	necessary works for	The structure is not so bad. Ne structure and replace the gate.	ed the maintenance of the			
12. Existing probler	ns of the structure	The gates can not work suitable	e by deterioration.			
13. Material of the s	tructure / Wood, Brick, Stone	, steel, Concert	Brick			
14. Question and Di	mension of the structure (If I	nothing of information, please	write "N")			
1) Intake Height (m)		1.80			
2) Intake Width (r	m)		1.00			
3) Number of Ver	1					
4) Up stream wat	Up Stream EL23.50					
5) Down stream v	vater level EL(m)		Down Stream EL 23.40			
6) Bed level EL(m	EL22.70					
7) Gate type / Wo	ood, steel, Others, Nothing		Steel			
8) Structure cond	ition / Excellent, Good, Bad, Alr	eady Expire	not so bad			
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad			
10) Please write r	emarks, if any	Maintenance is carri	ed out every one year			
	Front	Тор	Side or Behind			
15. Picture						
16. Location / Also show the Location other MAP		ELATIHAR Canal	ELATHAR Canal Intake			

Data	Sheet of the	Minor Str	ructure F	or Intake
Data		IVIII IOI OII	actare 1	or irranc

Data Sheet of	the Minor Structure	For Intake	B11		
1. Name	ABWED	2. Construction Year			
3. Туре			Intake		
4. Canal's name		ABWED			
5. Command Area (feddan)	1,400	6. Max discharge of canal (m³/day) or (m³/s)	0.81 m3/s		
7. Length of Canal	7. Length of Canal downstream the structure (km)				
8. Necessary works	Reconstruction				
9. Commencement	of the necessary works for im	nprovement	within 5 years		
10. Cost of the nece	essary works for improvemen	t	110,000 LE		
11. Contents of the improvement	necessary works for	Need the reconstruction of the of the loction.	intake to take into consideration		
12. Existing proble	ms of the structure	The structure has been damaged a suitable. This intake has severe pr			
13. Material of the s	tructure / Wood, Brick, Stone	, steel, Concert	Brick		
14. Question and D	imension of the structure (If	nothing of information, please	write "N")		
1) Intake Height (m)		2.80		
2) Intake Width (ı	n)		1.45		
3) Number of Ver	nt		1		
4) Up stream wat	Up Stream EL25.50				
5) Down stream v	vater level EL(m)		Down Stream EL 23.40		
6) Bed level EL(n	N				
7) Gate type / Wo	Steel				
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Bad		
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad		
10) Please write	remarks, if any	Maintenance is carrie	ed out every one year		
	Front	Тор	Surround		
15. Picture					
16. Location / Also show the Location other MAP		El Geza Cana ABWED Canal	ABWED Canal Intake		

Data Sheet of t	the Minor Structure	For Tail escape	B12			
1. Name	ALI HAFEZ	2. Construction Year	1965			
3. Туре	B. Type					
4. Canal's name		ALI HAFEZ				
5. Command Area (feddan)	4,900	6. Max discharge of canal (m³/day) or (m³/s)	2.8 m3/s			
7. Length of Canal o	9.830					
8. Necessary works	Reconstruction					
9. Commencement	of the necessary works for in	nprovement	within 5 years			
	ssary works for improvemen	t	25,000 LE			
11. Contents of the improvement	necessary works for	Need the reconstruction of the	structure and replace the gate			
12. Existing problen	ns of the structure	The structure has been damag suitable.	ed and the gates can not work			
13. Material of the s	tructure / Wood, Brick, Stone	<u> </u>	Brick			
		nothing of information, please				
1) Intake Height (•	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N			
2) Intake Width (n	•		N			
3) Number of Ven	1					
4) Up stream water	er level EL(m)		Up Stream EL24.40			
5) Down stream v	vater level EL(m)		N			
6) Bed level EL(m)			EL23.70			
7) Gate type / Wo	od, steel, Others, Nothing		Steel			
8) Structure condi	ition / Excellent, Good, Bad, Alr	eady Expire	Bad			
9) Gate condition	/ Excellent, Good, Bad, Already	y Expire	Bad			
10) Please write r	emarks, if any					
	Front	Тор	Side or Behind			
15. Picture						
16. Location / Also show the Location other MAP	Ali Hafez Tail E	scape	Qoshasha Canal			

Ali Hafez Canal

Data Sheet of	the Minor Structure	For Tail escape	B13
1. Name	DALAS WEST	2. Construction Year	1965
3. Туре			Tail escape
4. Canal's name		DALAS WEST	
5. Command Area (feddan)	2,300	6. Max discharge of canal (m³/day) or (m³/s)	1.33 m3/s
7. Length of Canal of	downstream the structure (km	n)	8.080
8. Necessary works	<u>Rehabilitation</u>		
9. Commencement	of the necessary works for im	nprovement	within 20 years
	essary works for improvemen	t	25,000 LE
11. Contents of the improvement	necessary works for	Need the some rehabilitation ar	nd maintenance of the gate.
12. Existing probler	ms of the structure	The gate is not so bad. The gat	es can not work suitable.
13. Material of the s	structure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Intake Height ((m)		N
2) Intake Width (r	m)		N
3) Number of Ver	nt		1
4) Up stream wat	Up Stream EL24.00		
5) Down stream v	water level EL(m)		N
6) Bed level EL(m	EL23.20		
7) Gate type / Wo	Steel		
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	good
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	not so Bad
10) Please write r	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
	West Dalas Tai	l Escape	
16. Location / Also show the Location other MAP			<u> </u>

West Dalas Canal

Data Sheet of	the Minor Structure	For Tail escape	B14		
1. Name	SOLTANE (3)	2. Construction Year	1965		
3. Туре			Tail escape		
4. Canal's name		SOLTANE (3)			
5. Command Area (feddan)	214	6. Max discharge of canal (m³/day) or (m³/s)	0.6 m3/s		
,	7. Length of Canal (km)				
8. Necessary works	1.360 Maintenance				
9. Commencement	within 20 years				
	essary works for improvemen	-	5,000 LE		
	necessary works for	Need the some rehabilitation a			
improvement	•	upstream.			
12. Existing proble	ms of the structure	The structure is not so bad.			
13. Material of the	structure / Wood, Brick, Stone	, steel, Concert	Brick		
14. Question and D	Dimension of the structure (If	nothing of information, please	write "N")		
1) Intake Height	(m)		N		
2) Intake Width ((m)		N		
3) Number of Ve	nt		1		
4) Up stream water level EL(m)			Up Stream EL27.30		
5) Down stream	water level EL(m)		N		
6) Bed level EL(r	m)		EL26.80		
7) Gate type / Wood, steel, Others, Nothing			N		
8) Structure cond	dition / Excellent, Good, Bad, Alr	eady Expire	good		
9) Gate condition	n / Excellent, Good, Bad, Already	y Expire	N		
10) Please write	remarks, if any				
	Front	Тор	Side or Behind		
15. Picture					
16. Location / Also show the Location other MAP	☐ Soltany ☐ Soltany 3 Canal	Branch B Soltany 3 7	Ibrahimiya Canal		

Data Sheet of	the Minor Structure	For Tail escape	B15
1. Name	SOLTANE (4)	2. Construction Year	1975
3. Type			Tail escape
4. Canal's name		SOLTANE (4)	
5. Command Area (feddan)	150	 Max discharge of canal (m³/day) or (m³/s) 	0.6 m3/s
7. Length of Canal	(km)		<u>1.480</u>
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	within 5 years
	essary works for improvemen	t	25,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the	structure and replace the gate.
12. Existing proble	ms of the structure	The structure has been damag suitable.	ed and the gates can not work
13. Material of the	structure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Intake Height	(m)		N
2) Intake Width (m)		N
3) Number of Ve	nt		1
4) Up stream wat	ter level EL(m)		Up Stream EL27.10
5) Down stream	water level EL(m)		N
6) Bed level EL(r	n)		EL26.60
7) Gate type / Wood, steel, Others, Nothing			Steel
8) Structure cond	dition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	/ Expire	Bad
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	⊟ Soltany ⊟ Soltany 4 Canal ↑		4 Tail Escape Ibrahimiya Canal

B Soltany Canal

Data Sheet of	the Minor Structure	For Tail escape	B16
1. Name	SOLTANE (5)	2. Construction Year	1964
3. Туре			Tail escape
4. Canal's name		SOLTANE (5)	
5. Command Area (feddan)	<u>147</u>	6. Max discharge of canal (m³/day) or (m³/s)	0.6 m3/s
7. Length of Canal	(km)		<u>1.150</u>
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Maintenance</u>
9. Commencement	Within 20 years		
10. Cost of the nec	essary works for improvemen	t	<u>5,000 LE</u>
11. Contents of the improvement	necessary works for	Remove the garbage end of the	e pipe
12. Existing proble	ms of the structure	The structure has been expired hearing at site, there is no prob	-
13. Material of the s	structure / Wood, Brick, Stone	e, steel, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Intake Height	(m)		N
2) Intake Width (m)		N
3) Number of Ve	nt		1
4) Up stream wa	ter level EL(m)		Up Stream EL27.00
5) Down stream	water level EL(m)		N
6) Bed level EL(m)			EL26.60
7) Gate type / Wood, steel, Others, Nothing			N
8) Structure condition / Excellent, Good, Bad, Already Expire			Already Expire
9) Gate condition / Excellent, Good, Bad, Already Expire			N
10) Please write	remarks, if any		
	Surround	End of pipe	End of pipe close up
15. Picture			
16. Location / Also show the Location other MAP	B Soltany Canal □ Soltany:		5 Tail Escape Ibrahimiya Canal Canal

Data Sheet of	the Minor Structure	For Tail escape	B17
1. Name	SOLTANE (6)	2. Construction Year	1970
3. Туре			Tail escape
4. Canal's name		SOLTANE (6)	
5. Command Area (feddan)	<u>520</u>	6. Max discharge of canal (m³/day) or (m³/s)	0.7 m3/s
7. Length of Canal	l (km)		2.300
8. Necessary work	<u>Rehabilitation</u>		
9. Commencemen	within 10 years		
10. Cost of the ned	cessary works for improvemen	t	10,000 LE
11. Contents of the improvement	e necessary works for	Need the some rehabilitation ar	nd replace the gate.
12. Existing proble	ems of the structure	The structure on surface has be however these damge dose no	
13. Material of the	structure / Wood, Brick, Stone	e, steel, Concert	Brick
14. Question and I	Dimension of the structure (If	nothing of information, please	write "N")
1) Intake Height	: (m)		N
2) Intake Width	(m)		N
3) Number of Ve	ent		1
4) Up stream wa	ater level EL(m)		Up Stream EL27.00
5) Down stream	water level EL(m)		N
6) Bed level EL((m)		EL26.60
7) Gate type / W	Steel		
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition / Excellent, Good, Bad, Already Expire			not so bad
10) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	☐ Soltany Canal		6 Tail Escape Ibrahimiya Canal

Data Sheet of	the Minor	Structure	For Tail escape	B18
1. Name	SOLT	TANE (7)	2. Construction Year	1970
3. Туре			_	Tail escape
4. Canal's name				
5. Command Area		230	6. Max discharge of canal	0.7 m3/s
(feddan)			(m³/day) or (m³/s)	2 200
7. Length of Canal	2.300			
8. Necessary works	Rehabilitation			
9. Commencement			-	within 10 years
10. Cost of the nec11. Contents of the		<u>-</u>	t I	<u>10,000 LE</u>
improvement	incocssary we	71 K3 101	Need the some rehabilitation a	and replace the gate.
12. Existing proble	ms of the stru	cture		been damaged by weathering,
-			however these damge dose no	
13. Material of the				Brick
		ne structure (If I	nothing of information, pleas	•
1) Intake Height	•			N
2) Intake Width (N
3) Number of Ve				1
4) Up stream wa	· ,			Up Stream EL26.90
5) Down stream	,	m)		N
6) Bed level EL(m)			EL26.50	
7) Gate type / Wood, steel, Others, Nothing			N	
8) Structure cond	dition / Exceller	it, Good, Bad, Alr	eady Expire	Bad
9) Gate condition	/ Excellent, G	ood, Bad, Already	/ Expire	N
10) Please write	remarks, if any	,		
	F	ront	Тор	Side or Behind
15. Picture				
16. Location / Also show the Location other MAP	⊞ Soltany Canal	∄ Soltany 7		7 Tail Escape Ibrahimiya Canal

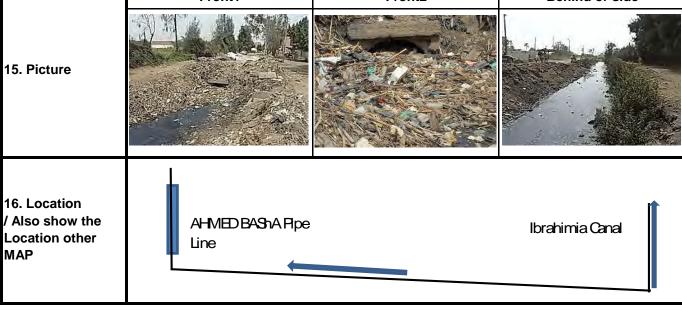
Data Sheet of	the Minor Structure	For Tail escape	B19
1. Name	AL-ASKRA	2. Construction Year	1980
3. Туре			Tail escape
4. Canal's name		AL-ASKRA	
5. Command Area (feddan)	3,000	6. Max discharge of canal (m³/day) or (m³/s)	1.74 m3/s
7. Length of Canal	(km)		<u>7.200</u>
8. Necessary work	s for improvement / Rehabilita	tion or Reconstruction	<u>Rehabilitation</u>
9. Commencement	Within 10 years		
10. Cost of the nec	essary works for improvemen	t	10,000 LE
11. Contents of the improvement	e necessary works for	Need the some rehabilitation fo	or the structure.
12. Existing proble	ms of the structure	The structure has been damaged. Acc water has not been reached up tail esc	
13. Material of the	structure / Wood, Brick, Stone	, steel, Concert	Brick
14. Question and D	Dimension of the structure (If I	nothing of information, please	write "N")
1) Intake Height	(m)		N
2) Intake Width ((m)		N
3) Number of Ve	ent		1
4) Up stream wa	ter level EL(m)		Up Stream EL28.00
5) Down stream water level EL(m)			N
6) Bed level EL(m)			EL27.35
7) Gate type / Wood, steel, Others, Nothing			Steel
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	n / Excellent, Good, Bad, Already	/ Expire	Bad
10) Please write	remarks, if any		
	Side1	Side2	Behind
15. Picture			
16. Location / Also show the Location other MAP	A	Al Asakera Tail Escape Asakera Canal El Soltany	Ibrahimiya Canal / Canal

Data Sheet of	the Minor Structure	For Tail escape	B20
1. Name	ALSHAMSHERGE	2. Construction Year	1970
3. Туре			Tail escape
4. Canal's name		ALSHAMSHERGE	
5. Command Area (feddan)	2,760	6. Max discharge of canal (m³/day) or (m³/s)	1.7 m3/s
7. Length of Canal	(km)		<u>9.700</u>
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Rehabilitation</u>
9. Commencement	of the necessary works for in	nprovement	Within 10 years
10. Cost of the nec	essary works for improvemen	it	<u>10,000 LE</u>
11. Contents of the improvement	necessary works for	Need the some rehabilitation a	nd remove the weeds.
12. Existing proble	ms of the structure	The structure has been damaged. According to the structure has not been reached up tail escondary.	
13. Material of the s	structure / Wood, Brick, Stone	e, steel, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Intake Height	(m)		N
2) Intake Width (m)		N
3) Number of Ve	nt		1
4) Up stream water level EL(m)		Up Stream EL27.70	
5) Down stream water level EL(m)		N	
6) Bed level EL(r	n)		EL26.50
7) Gate type / Wo	ood, steel, Others, Nothing		Steel
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Already	y Expire	Bad
10) Please write	remarks, if any		
	Surround	Front	
15. Picture			
16. Location / Also show the Location other MAP	☐ Shamashergy ☐ Soltany Canal		ergy Tail Escape Ibrahimiya Canal enal

Data Sheet of	the Minor Structure	For Bridge	B21
1. Name	Qela canal	2. Construction Year	1965
3. Туре			Bridge
4. Canal's name		Qela canal	
5. Command Area (feddan)	12,000	6. Max discharge of canal (m³/day) or (m3/s)	7.0 m3/s
7. Length of Canal	downstream the structure (kn		14.000
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction (need sytudy)
9. Commencement	of the necessary works for in	nprovement	within 5 years
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the necessary works for improvement The surface of the structure has Weathering. However, these dates the structure has the structure has a surface of the structure has the surface of the surface of the surface of the structure has the surface of the surface		amage does not seem fatal	
12. Existing proble	ms of the structure	damage. Need more some test of the brick	to check the current strength
13. Material of the	structure / Wood, Brick, Stone	, steel, Concert	Stone
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the B	ridge (m)		8.00
2) Length of the	Bridge (m)		<u>11.50</u>
3) Height of the p	pier or abut of the Bridge from th	e canal bed (m)	3.00
4) Width of the c	anal at Bridge point (m)		5.00
5) Width of up st	ream of the canal (m)		5.00
6) Width of down	stream of the canal (m)		5.00
7) Up stream wa	ter level EL(m)		Up Stream EL27.50
8) Down stream	water level EL(m)		Down Stream EL 27.50
9) Please write re	emarks, if any	3 vents*2.50 m & water depth 1	.30 m
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	AI M	laseed Bridge Kell	Ibrahimia Canal 1

Data Sheet of	of the Minor Structure	For Bridge	B22
1. Name	AZIT bridge	2. Construction Year	1950
3. Туре			Bridge
4. Canal's name		Qela canal	
5. Command Are (feddan)	a 11,500	6. Max discharge of canal (m³/day) or (m3/s)	6.5 m3/s
7. Length of Cana	al downstream the structure (kn	n)	12.000
8. Necessary wo	ks for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commenceme	nt of the necessary works for in	nprovement	within 5 years
10. Cost of the ne	ecessary works for improvemen	nt	500,000 LE
11. Contents of the necessary works for improvement Need the reconstruction.			
12. Existing prob	lems of the structure	The structure has been damag there are cracks to be cared or	
13. Material of the	e structure / Wood, Brick, Stone	e, steel, Concert	Brick
14. Question and	Dimension of the structure (If	nothing of information, please	e write "N")
1) Width of the	Bridge (m)		8.00
2) Length of the Bridge (m)		12.00	
3) Height of the pier or abut of the Bridge from the canal bed (m)		5.00	
4) Width of the	canal at Bridge point (m)		5.00
5) Width of up	stream of the canal (m)		5.00
6) Width of do	wn stream of the canal (m)		5.00
7) Up stream v	vater level EL(m)		Up Stream EL27.25
8) Down stream	m water level EL(m)		Down Stream EL 27.25
9) Please write	e remarks, if any		
	Front1	Side1	Side2
15. Picture			
16. Location / Also show the Location other MAP	Azat	Bridge Kel	Ibrahimia Canal la Canal

Data Sheet of	the Minor Structure	For Pipe line	B23
1. Name	AHMED BASA	2. Construction Year	1995
3. TypeSelect fro	om as follow item (Culvert,	Siphon, Aqueduct)	Pipe line
4. Canal's name		Beni Kasem / K 5.000	
5. Command Area (feddan)	5,000	6. Max discharge (m³/day) or (m³/s)	3.5 m3/s
7. Length of Canal	downstream the structure (km	n)	9.000
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the necessary works for improvement		300,000 LE	
11. Contents of the improvement	necessary works for	Need to replace the pipe to mogarbage.	ore wide and remove the
12. Existing proble	ms of the structure	The structure has been damage there are much garbage to prev	
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Other / R.C
14. Material of the p	oipe / Wood, Brick, Stone, stee	el, Other	Other / R.C
15. Question and D	imension the structure (If not	thing of information, please w	rite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of t	he Culvert (m)		N
3) Length of the (Culvert, Siphon, Aqueduct (m)		N
4) Depth of the S	iphon pipe. The depth is from th	e canal bank to the pipe(m)	1.00
5) The difference	of water head level of the sipho	on (m)	0.30 m
6) Diameter of th	e pipe for Siphon or Aqueduct (r	mm)	1.50 m
7) Up stream wat	ter level EL(m)		Up Stream EL29.30
8) Down stream	water level EL(m)		Down Stream EL 29.00
9) Length of pipe for Siphon or Aqueduct, if any (m)		100.00	
10) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	Bad
11) Pipe conditio	n / Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)
12) Please write remarks, if any Length of pipe line 100 m			
	Front1	Front2	Behind or side
15. Picture			



<u>Data Sheet of the Minor Structure</u> For Pipe line **B24**

Data Sheet of	the Minor Structure	For Pipe line	D24
1. Name	Fare alkasi	2. Construction Year	1998
3. TypeSelect fro	m as follow item (Culvert,	Siphon, Aqueduct)	Pipe line
4. Canal's name Fr ee alkasi			
5. Command Area (feddan)	800	6. Max discharge (m³/day) or (m³/s)	0.6 m3/s
7. Length of Canal	downstream the structure (km	n)	2.700
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the nece	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and re	place the gate.
12. Existing probler	ms of the structure	The structure has been damage suitable.	ed and the gates can not work
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Other / R.C
14. Material of the p	oipe / Wood, Brick, Stone, stee	el, Other	Other / R.C
15. Question and D	imension the structure (If not	hing of information, please wr	rite "N")
1) Vent height of	ent height of the Culvert (m)		N
2) Vent width of the	e Culvert (m)		N
3) Length of the 0	lvert, Siphon, Aqueduct (m)		N
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)		1.50	
5) The difference	of water head level of the sipho	on (m)	0.30
6) Diameter of the	e pipe for Siphon or Aqueduct (r	nm)	1.00 m
7) Up stream wat	er level EL(m)		Up Stream EL27.00
8) Down stream v	water level EL(m)		Down Stream EL 26.80
9) Length of pipe	for Siphon or Aqueduct, if any (m)	400.00
10) Structure con	dition / Excellent, Good, Bad, A	Iready Expire	Bad
11) Pipe condition	n / Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)
12) Please write ı	remarks, if any	Open cannel is 450m + 70m	
	Front	Downstream	Behind or side
15. Picture			
16. Location / Also show the Location other MAP		Taha Boosh	Ibrahimia Canal thary

Data Sheet of	the Minor Structure	For Aqueduct	B25
1. Name	NASRT	2. Construction Year	1960
3. TypeSelect fro	m as follow item (Culvert,	, Siphon, Aqueduct)	Aqueduct
4. Canal's name		NASRT canal	
5. Command Area (feddan)	350	6. Max discharge (m³/day) or (m³/s)	0.5 m3/s
7. Length of Canal	downstream the structure (km	1)	1.690
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	nprovement (At least after 5yr)	within 5 years
10. Cost of the nece	essary works for improvemen	t	250,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the and sedimentation in front of the	e intake.
12. Existing proble	ms of the structure	Canal bed is so high that preve been damaged by the weathering	-
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Other / R.C
14. Material of the բ	pipe / Wood, Brick, Stone, stee	el, Other	
15. Question and D	imension the structure (If not	thing of information, please w	rite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of t	he Culvert (m)		N
3) Length of the Culvert, Siphon, Aqueduct (m)		N	
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)		1.00 m	
5) The difference	of water head level of the sipho	on (m)	0.20
6) Diameter of th	e pipe for Siphon or Aqueduct (r	mm)	0.80
7) Up stream wat	ter level EL(m)		Up Stream EL28.50
8) Down stream	water level EL(m)		Down Stream EL 28.30
9) Length of pipe	for Siphon or Aqueduct, if any (m)	60.00 m
10) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	Bad
11) Pipe conditio	n / Excellent, Good, Bad, Alread	ly Expire	Bad(by original data sheet)
12) Please write remarks, if any			
	Front	Тор	Behind or side
15. Picture			
16. Location / Also show the Location other MAP	Ibrahimiya Canal	Drain Bail Way Mesoqa Nasrat	

Data Sheet of t	the Minor Structure	For Culvert	B26
1. Name	TLAT canal	2. Construction Year	1960
3. TypeSelect fro	m as follow item (Culvert	, Siphon, Aqueduct)	Culvert
4. Canal's name	. Canal's name TLAT canal		
5. Command Area (feddan)	4,580	6. Max discharge (m³/day) or (m³/s)	2.65 m3/s
7. Length of Canal o	lownstream the structure (kn	1)	8.600
3. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Construction
9. Commencement of the necessary works for improvement (At least after 5yr)		Within 5 years	
10. Cost of the nece	e necessary works for improvement		500,000 LE
11. Contents of the mprovement	necessary works for	Need the construction as the ac	-
12. Existing problen	ns of the structure	They want to change to the Aqu supply water.	educt for the difficulty of the
13. Material of the s	tructure / Wood, Brick, Stone	, steel, Other	Other / R.C
14. Material of the p	ipe / Wood, Brick, Stone, stee	el, Other	
15. Question and Di	mension the structure (If no	thing of information, please wr	ite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of the	ne Culvert (m)		N
3) Length of the C	Culvert, Siphon, Aqueduct (m)		N
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)		1.00	
5) The difference	of water head level of the sipho	on (m)	0.50
6) Diameter of the	e pipe for Siphon or Aqueduct (mm)	1.00
7) Up stream wate	er level EL(m)		Up Stream EL29.50
8) Down stream v	vater level EL(m)		Down Stream EL 29.00
9) Length of pipe	for Siphon or Aqueduct, if any (m)	100.00
10) Structure con-	dition / Excellent, Good, Bad, A	Iready Expire	not so bad
11) Pipe condition	n / Excellent, Good, Bad, Alread	ly Expire	not so bad
12) Please write r	emarks, if any		
	Front	Behind	Other

Front Behind Other

15. Picture

Abou Shousha Canal

Also show the Location other MAP

Talat Syphon

Talat Canal

Data Sheet of	the Minor Structure	For Aqueduct	B27
1. Name	ALI HAFZ	2. Construction Year	1960
3. TypeSelect fro	m as follow item (Culvert,	Siphon, Aqueduct)	Aqueduct
4. Canal's name		ALI HAFZ	
5. Command Area (feddan)	5,000	6. Max discharge (m³/day) or (m³/s)	2.89 m3/s
7. Length of Canal	downstream the structure (km	n)	8.900
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the nece	essary works for improvemen	t	1,000,000 LE
	necessary works for	Need the reconstruction of the	structure and replace the steel
improvement		pipe at same time. The structure has been damage	ed by Weathering And steel
12. Existing problems of the structure pipe preferable replace with str			
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Brick and steel pipe
14. Material of the p	oipe / Wood, Brick, Stone, stee	el, Other	Steel
15. Question and D	imension the structure (If not	hing of information, please w	rite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of t	he Culvert (m)		N
3) Length of the 0	Culvert, Siphon, Aqueduct (m)		28.00 m
4) Depth of the S	iphon pipe. The depth is from th	e canal bank to the pipe(m)	1.50
5) The difference	of water head level of the sipho	on (m)	0.20
6) Diameter of the	e pipe for Siphon or Aqueduct (r	mm)	2000.00
7) Up stream wat	er level EL(m)		Up Stream EL25.70
8) Down stream	water level EL(m)		Down Stream EL 25.50
9) Length of pipe	for Siphon or Aqueduct, if any (m)	70.00 m
10) Structure con	ndition / Excellent, Good, Bad, Al	Iready Expire	Bad
11) Pipe condition	n / Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)
12) Please write	remarks, if any		
	Front	Тор	Behind or side
15. Picture			
16. Location / Also show the Location other MAP		7 11 1 21 32	TAli Hafez Canal Canal

Data Sheet of	the Minor Structure	For Siphon	B28
1. Name	ABO SHOSHE K0.8	2. Construction Year	1960
3. TypeSelect fro	om as follow item (Culvert,	Siphon, Aqueduct)	Siphon
4. Canal's name		ABO SHOSHE	
5. Command Area (feddan)	5,000	6. Max discharge (m³/day) or (m³/s)	2.89 m3/s
7. Length of Canal	downstream the structure (km	n)	8.900
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the necessary works for Need the reconstruction of the structure the protection works on the pipe at a structure of the structure of the structure.		_	
improvement		The structure has been damaged I	
12. Existing proble	ms of the structure	across the canal are appeared on	
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Brick and steel pipe
14. Material of the բ	pipe / Wood, Brick, Stone, stee	el, Other	Steel
15. Question and Dimension the structure (If nothing of information, please write "N")			
1) Vent height of	the Culvert (m)		N
2) Vent width of t	2) Vent width of the Culvert (m)		N
3) Length of the (Culvert, Siphon, Aqueduct (m)		N
4) Depth of the S	iphon pipe. The depth is from th	e canal bank to the pipe(m)	2.50
5) The difference	of water head level of the sipho	on (m)	1.00
6) Diameter of th	e pipe for Siphon or Aqueduct (r	mm)	2000.00
7) Up stream wat	ter level EL(m)		Up Stream EL29.50
8) Down stream	water level EL(m)		Down Stream EL 28.50
9) Length of pipe	for Siphon or Aqueduct, if any (m)	40.00
10) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	Bad
11) Pipe conditio	n / Excellent, Good, Bad, Alread	ly Expire	Bad(by original data sheet)
12) Please write	remarks, if any	This siphon is ma	de from three pipe
	Front1	Front2	Cross point
15. Picture			
16. Location / Also show the Location other MAP	Drain		Ibrahimia Canal

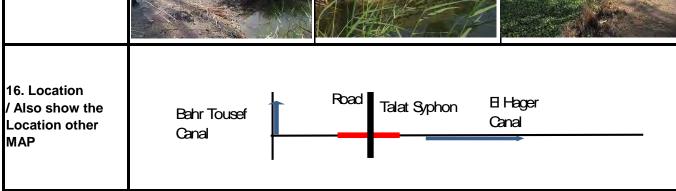
Data Sheet of	the Minor Structure	For Siphon	B29
1. Name	ABO SHOSHE K1.5	2. Construction Year	1960
3. TypeSelect fro	om as follow item (Culvert	, Siphon, Aqueduct)	Siphon
4. Canal's name		ABO SHOSHE	
5. Command Area (feddan)	5,000	6. Max discharge (m³/day) or (m³/s)	2.89 m3/s
7. Length of Canal	downstream the structure (kn	n)	8.900
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement (At least after 5yr)	within 5 years
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the works on the pipe at across the	•
12. Existing problems of the structure The structure has been damaged be across the canal are appeared on the structure.			
13. Material of the s	structure / Wood, Brick, Stone	e, steel, Other	Brick and steel pipe
14. Material of the բ	pipe / Wood, Brick, Stone, stee	el, Other	Steel
15. Question and D	imension the structure (If no	thing of information, please w	rite "N")
1) Vent height of the Culvert (m)			N
2) Vent width of the Culvert (m)		N	
3) Length of the Culvert, Siphon, Aqueduct (m)			N
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)			2.50
5) The difference of water head level of the siphon (m)			1.00
6) Diameter of th	e pipe for Siphon or Aqueduct (ı	mm)	2000.00
7) Up stream wat	ter level EL(m)		Up Stream EL28.80
8) Down stream	water level EL(m)		Down Stream EL 27.80
9) Length of pipe	for Siphon or Aqueduct, if any ((m)	50.00
10) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	Bad
11) Pipe conditio	n / Excellent, Good, Bad, Alread	dy Expire	Bad(by original data sheet)
12) Please write	remarks, if any	This siphon is ma	de from three pipe
	Front	Тор	Behind or side
15. Picture			
16. Location / Also show the Location other MAP	Drain	Abou Shosha Sphon Km 1.50	Abou Shosha Canal Ibrahimi Canal

Data Sheet of t	he Minor Structure	For Siphon	B30
1. Name	Sleem Siphon	2. Construction Year	1960
3. TypeSelect fron	n as follow item (Culvert,	Siphon, Aqueduct)	Siphon
4. Canal's name		Soltane / K 12	
5. Command Area (feddan)	3,000	6. Max discharge (m³/day) or (m³/s)	2.50 m3/s
7. Length of Canal d	ownstream the structure (km)	2.300
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement o	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the necessary works for improvement		250,000 LE	
11. Contents of the r improvement	necessary works for	Need the reconstruction of the works on the pipe at across the	•
12. Existing problem	s of the structure	The structure has been damaged across the canal are appeared on	
13. Material of the st	ructure / Wood, Brick, Stone,	, steel, Other	Brick
14. Material of the pi	pe / Wood, Brick, Stone, stee	el, Other	Steel
15. Question and Dir	mension the structure (If not	hing of information, please w	rite "N")
1) Vent height of the	he Culvert (m)		2.00
2) Vent width of th	e Culvert (m)		2.00
3) Length of the Culvert, Siphon, Aqueduct (m)		60.00	
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)		2.50	
5) The difference of water head level of the siphon (m)		0.90	
6) Diameter of the pipe for Siphon or Aqueduct (mm)		2000.00	
7) Up stream water level EL(m)		Up Stream EL27.50	
8) Down stream w	am water level EL(m)		Down Stream EL 26.60
9) Length of pipe f	or Siphon or Aqueduct, if any (y (m) 60.00	
10) Structure cond	dition / Excellent, Good, Bad, Al	ready Expire	Bad
11) Pipe condition	/ Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)
12) Please write re	emarks, if any	This siphon is ma	ade from one pipe
	Front1	Front2	Surround
15. Picture			
16. Location / Also show the Location other MAP	Dra Seleem Sphon Km 12.00		Ibrahimia ny Canal

Data Sheet of the Minor Structure For Siphon	B31
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	tire itimier etiaetare		
1. Name	GOHR K15	2. Construction Year	1969
3. TypeSelect fro	om as follow item (Culvert,	Siphon, Aqueduct)	Siphon
4. Canal's name Qela			
5. Command Area (feddan)	11,500	6. Max discharge (m³/day) or (m³/s)	6.50 m3/s
7. Length of Canal	downstream the structure (km	n)	14.300
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the nece	essary works for improvemen	t	250,000 LE
	necessary works for	Need the reconstruction of the s	
improvement 12. Existing problei	ms of the structure	works on the pipe at across the The structure has been damaged to across the canal are appeared on	by Weathering. The pipes at
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Brick
14. Material of the p	pipe / Wood, Brick, Stone, stee	el, Other	Steel
15. Question and D	imension the structure (If not	hing of information, please wi	rite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of t	he Culvert (m)		N
3) Length of the (Culvert, Siphon, Aqueduct (m)		N
4) Depth of the S	iphon pipe. The depth is from th	e canal bank to the pipe(m)	2.50
5) The difference	of water head level of the sipho	n (m)	0.60
6) Diameter of the pipe for Siphon or Aqueduct (mm)			2000.00
7) Up stream water level EL(m)		Up Stream EL26.60	
8) Down stream water level EL(m)		Down Stream EL 26.00	
9) Length of pipe for Siphon or Aqueduct, if any (m)		50.00	
10) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
11) Pipe condition	n / Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)
12) Please write	remarks, if any		
	Front	Тор	Behind or side
15. Picture			
16. Location / Also show the Location other MAP	Drain Gohar Siphon Km 15.00	Kella Canal	Ibrahimi a Canal

Data Sheet of	the Minor Structure	For Siphon	B32
1. Name	ALBEN K3	2. Construction Year	1962
3. TypeSelect fro	m as follow item (Culvert	, Siphon, Aqueduct)	Siphon
4. Canal's name		ALLAHON / Bahr Yousef	
5. Command Area (feddan)	800	6. Max discharge (m³/day) or (m³/s)	0.6 m3/s
7. Length of Canal o	downstream the structure (kn	n)	2.700
8. Necessary works	for improvement / Rehabilita	ntion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for in	nprovement (At least after 5yr)	within 10 years
10. Cost of the nece	essary works for improvemer	nt	<u>100,000 LE</u>
	necessary works for	Need the rehabilitation of the st	•
improvement 12. Existing probler	ms of the structure	works on the pipe at across the The structure has been damage	ed by Weathering. The pipes at
		across the canal are appeared	on the canal. Brick
	structure / Wood, Brick, Stone		Other / R.C
14. Material of the pipe / Wood, Brick, Stone, steel, Other			
	15. Question and Dimension the structure (If nothing of information, please w		
Vent width of the Culvert (m)		N N	
2) Vent width of the Culvert (m) 3) Length of the Culvert, Siphon, Aqueduct (m)		N	
		1.00	
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)5) The difference of water head level of the siphon (m)		0.50	
•	e pipe for Siphon or Aqueduct (. ,	2000.00
7) Up stream wat	• • • • • • • • • • • • • • • • • • • •	,	Up Stream EL24.50
8) Down stream v	, ,		Down Stream EL 24.00
,	for Siphon or Aqueduct, if any	(m)	50.00
, , ,	dition / Excellent, Good, Bad, A	, ,	Not so bad
	n / Excellent, Good, Bad, Alread	· ·	Bad(by original data sheet)
12) Please write r			ade from one pipe
	Front1	Front2	Cross point
15. Picture			



Data Sheet of	the Minor Structure	For Siphon	B33
1. Name	BANI SALIH K3	2. Construction Year	1968
3. TypeSelect fro	om as follow item (Culvert,	Siphon, Aqueduct)	Siphon
4. Canal's name		ABOSHOSHA	
5. Command Area (feddan)	800	6. Max discharge (m³/day) or (m³/s)	4.6 m3/s
7. Length of Canal	downstream the structure (km	n)	7.000
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction (need sytudy)
9. Commencement	of the necessary works for im	provement (At least after 5yr)	within 5 years
10. Cost of the necessary works for improvement			500,000 LE
11. Contents of the improvement	necessary works for	The surface of the structure has Weathering. However, these days	amage does not seem fatal
12. Existing proble	ms of the structure	damage. Need more some test of the brick	to check the current strength
13. Material of the s	structure / Wood, Brick, Stone	, steel, Other	Brick
14. Material of the p	oipe / Wood, Brick, Stone, stee	el, Other	steel
15. Question and D	imension the structure (If not	hing of information, please w	rite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of t	he Culvert (m)		2.50
3) Length of the (Culvert, Siphon, Aqueduct (m)		15.00
4) Depth of the S	iphon pipe. The depth is from th	e canal bank to the pipe(m)	1.00
5) The difference	of water head level of the sipho	on (m)	0.50
6) Diameter of the pipe for Siphon or Aqueduct (mm)		2000.00	
7) Up stream water level EL(m)		Up Stream EL29.50	
8) Down stream water level EL(m)		Down Stream EL 29.00	
9) Length of pipe for Siphon or Aqueduct, if any (m)		60.00	
10) Structure con	ndition / Excellent, Good, Bad, A	Iready Expire	Bad
11) Pipe condition	n / Excellent, Good, Bad, Alread	y Expire	Bad(by original data sheet)
12) Please write	remarks, if any	This siphon is ma	de from two pipes
	Front	Behind	
15. Picture			
16. Location / Also show the Location other MAP	Drain 	Beni Saleh Km Abou Shos 3.00 Canal	ha Îbrahimia Canal

Data Sheet of	the Minor Structure	For Pipe line	B34
1. Name	ALSHIKH YAHIA	2. Construction Year	1958
3. TypeSelect fro	m as follow item (Culver	t, Siphon, Aqueduct)	Pipe line
4. Canal's name		ABOSHOSHA K2.8	
5. Command Area (feddan)	800	6. Max discharge (m³/day) or (m³/s)	4.6 m3/s
7. Length of Canal o	downstream the structure (k	m)	2.700
8. Necessary works	for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commencement	of the necessary works for i	mprovement (At least after 5yr)	within 5 years
	essary works for improveme	nt	300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the intain front of the intake.	ake and preferable install the gate
12. Existing probler	ns of the structure	The structure of the intake has been	en damaged by Weathering.
13. Material of the s	tructure / Wood, Brick, Ston	e, steel, Other	Brick
14. Material of the p	pipe / Wood, Brick, Stone, ste	eel, Other	steel
15. Question and Di	imension the structure (If no	othing of information, please w	rite "N")
1) Vent height of	the Culvert (m)		N
2) Vent width of the	he Culvert (m)		1.50
3) Length of the C	Culvert, Siphon, Aqueduct (m)		N
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)		2.50	
5) The difference of water head level of the siphon (m)		1.00	
6) Diameter of the pipe for Siphon or Aqueduct (mm)		2000.00	
7) Up stream water level EL(m)		Up Stream EL29.00	
8) Down stream water level EL(m)		Down Stream EL 28.00	
9) Length of pipe	for Siphon or Aqueduct, if any	(m)	50.00
10) Structure con	dition / Excellent, Good, Bad,	Already Expire	Bad
11) Pipe condition	n / Excellent, Good, Bad, Alrea	dy Expire	Bad(by original data sheet)
12) Please write r	remarks, if any		
	Front	Тор	
15. Picture			
16. Location / Also show the Location other MAP	Drain A	N Shaikh Yehva Abou Sho	Ibrahimia Canal

Data Sheet of	the Minor Structure	For Weir	B35
1. Name	Hdar bin hinder	2. Construction Year	1940
3. Туре			Weir
4. Canal's name		Ibrahimia canal	
5. Command Area (feddan)	<u>11,520</u>	 Max discharge of canal (m³/day) or (m³/s) 	<u>4.0m3/s</u>
7. Length of Canal	downstream the structure (kn	1)	5.0
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Rehabilitation (need sytudy)
9. Commencement	of the necessary works for in	nprovement	within 20 years
10. Cost of the nece	essary works for improvemen	t	300,000 LE
11. Contents of the improvement 12. Existing probler	necessary works for	The structure is not so bad. The di crest level of the weir for the water more study concerning the water r	r shortage in the future. Need management at this structure and
		the effect forward the upstream by	
	structure / Wood, Brick, Stone		Brick
	•	nothing of information, please	· I
1) Width of the W			8.00
, ,	Veir from the canal bed (m)		N
3) Crest level of t	, ,		EL 26.90
,	ream of the canal (m)		2.00
5) Width of down stream of the canal (m)		EL 16.00	
6) Up stream water level EL(m)		Up Stream EL 27.20	
7) Down stream v	water level EL(m)		Down Stream EL 26.20
8) Structure cond	lition / Excellent, Good, Bad, Alr		not so bad
9) Please write re	emarks, if any	The body of structure is not so gates has been damaged.	weathered. But the both side of
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Hda 	ar bin hinder Ibrahim	ia Canal

Data Sheet for	the Minor Structure	For Pump station	AB1
1. Name	DALAS West Pump station	2. Construction Year	1998
3. Туре			Pump station
4. Canal's name / M	lain canal name	DALAS W	/est Canal
5. Command Area (feddan)	2,300	 Max discharge of canal (m³/day) or (m3/s) 	9.000 m3/s
7. Length of Canal	downstream the structure (km	1)	
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for im	nprovement	Within 5 Years
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need to install the new pump and side and steel stage. Need the stu	
12. Existing proble	ms of the structure	One of three pumps is expired. The lower than necessary performance	
13. Material of the	structure / Wood, Brick, Stone	, steel, Conceret	3 pumps
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Max discharge	e of the Pump (m ³ /s)		0.5 m3/sec
2) Number of pur	mp (How many?)		3 Units
3) Diameter of th	e Pump (mm)		400
4) Where from c	ountry is the pump machine insta	alled site?	Netherland
5) Power source	/ Electricity, Diesel, others		Electricity
6) How ofen the maintenance / every half year or 1 year nothing etc.			1 year
7) Inatke side water level EL(m)			N
8) Discharge side water level EL(m)		N	
9) Pump head = " 8) - 7) " (m)		N	
10) Please write	remarks, if any		
	Front	In the room	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	West Da Pump st		

Data Sheet of the Minor Structure For Regulator AB₂ 1. Name 2. Construction Year 1989 Waseta Regulator 3. Type Regulator 4. Canal's name Ibrahimia canal 5. Command Area 6. Max discharge of canal 38,000 0.17 m3/s (m³/day) or (m³/s) (feddan) 7. Length of Canal (km) -----8. Necessary works for improvement / Rehabilitation or Reconstruction Rehabilitation 9. Commencement of the necessary works for improvement Within 5 years 10. Cost of the necessary works for improvement 300,000 LE 11. Contents of the necessary works for Need to replace the gate. improvement The surface of the gate has been damaged. There are the 12. Existing problems of the structure hole and rust on the surface of the gate. 13. Material of the structure / Wood, Brick, Stone, steel, Concert **Brick** 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Intake Height (m) 3.45 2) Intake Width (m) 3.00 3) Number of Vent 4) Up stream water level EL(m) Ν 5) Down stream water level EL(m) Ν 6) Bed level EL(m) Ν 7) Gate type / Wood, steel, Others, Nothing Steel 8) Structure condition / Excellent, Good, Bad, Already Expire Not so bad 9) Gate condition / Excellent, Good, Bad, Already Expire bad 10) Please write remarks, if any Maintenance is carried out every one year **Front** Top Side or Behind 15. Picture 16. Location / Also show the Ibrahimiya Location other Canal MAP

Data Sheet by Consultant in Fayoum

Item	Number of Structure	Remarks
Intake	2	
Regulator	2	
Tail escape	0	
Culvert	1	
Siphon	0	
Aqueduct	0	
Bridge	1	
Weir	19	
Pipe line	0	
Pump station	0	
Total Structure	25	

Data Sheet of the Minor Structure	For Weir	
Data Sheet of the Millor Structure	roi weii	

			- -
1. Name	Hear weir	2. Construction Year	Before 1943
3. Туре			Weir
4. Canal's name		Bats Drain	
5. Command Area (feddan)	86,000 + 118,688 m3/d	6. Max discharge of canal (m³/day) or (m³/s)	16.4 m3/s
7. Length of Canal downstream the structure (km)			22.6
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	Within 5 years
10. Cost of the necessary works for improvement			10,000,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and re	eplace all the gates
12. Existing proble	ms of the structure	The structure has been damaged structure is very dangerous condit	
13. Material of the s	structure / Wood, Brick, Stone	e, Steal, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the W	/eir (m)		9.00
2) Height of the V	Veir from the canal bed (m)		28.04
3) Crest level of t	he Weir EL (m)		
4) Width of up str	ream of the canal (m)		Appr. 15m
5) Width of down	stream of the canal (m)		more than 15m
6) Up stream water level EL(m)			Up Stream EL 3.54
7) Down stream water level EL(m)		Down Stream EL -24.50	
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Please write re	emarks, if any	The two pump stations are nea	r here.
	Front	Down stream	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	⊟ Bats[Orain Hear Wear	

F1

Data Sheet of the Minor Structure	For Weir	F2
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Data Chicot ch	tile iviii lei Cti detale	1 01 11011	· -
1. Name	El asaba nasba	2. Construction Year	1927
3. Туре			3 Weirs
4. Canal's name	ame Sanhoor		
5. Command Area (feddan)	15,869	 Max discharge of canal (m³/day) or (m³/s) 	5.51 m3/s
7. Length of Canal	7. Length of Canal downstream the structure (km)		
8. Necessary works for improvement / Rehabilitation or Reconstruction			<u>Reconstruction</u>
9. Commencement of the necessary works for improvement			within 5yers
10. Cost of the nece	essary works for improvemen	t	<u>500,000 LE</u>
11. Contents of the improvement	necessary works for	Need the reconstruction of the	structure.
12. Existing proble	ms of the structure	The structure has been damaged by w distribution. It is afraid of the scouring a	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the W	/eir (m)		4.45, 2.498, 2.054
2) Height of the V	Veir from the canal bed (m)		2.17
3) Crest level of t	he Weir EL (m)		-EL12.70
4) Width of up str	ream of the canal (m)		5.00
5) Width of down	stream of the canal (m)		
6) Up stream wat	er level EL(m)		Up Stream EL -12.33
7) Down stream water level EL(m)		Down Stream EL -14.50	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture	07-05720	TV ST MALE.	01/03/2010
16. Location / Also show the Location other MAP	West Sanhour East Sanhour	B Osaba Nasba Km 19.860	ahr Sanhour

<u>Data Sheet for the Minor Structure</u> For Regulator **F3**

Data Officer for	the Minor Structure	roi Regulatoi	гэ
1. Name	El Elaam	2. Construction Year	1927 - 1930
3. Туре			Regulator
4. Canal's name		El Elaam	
5. Command Area (feddan)	10,772	6. Max discharge of canal (m³/day) or (m³/s)	3.74 m3/s
7. Length of Canal	downstream the structure (km	n)	6.2
8. Necessary works for improvement / Rehabilitation or Reconstruction		Reconstruction	
9. Commencement of the necessary works for improvement		Within 5 years	
10. Cost of the nece	essary works for improvemen	t	1,000,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the structures	structure, one of the two
12. Existing probler	ms of the structure	The structure has been damage of vent is so narrow. (Refer to the	•
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Gate Height (n	n)		3.00
2) Gate Width (m)		1.00
3) Number of Ver	nt		2 intake and each 1 vent
4) Up stream wat	er level EL(m)		Up Stream EL23.50
5) Down stream v	water level EL(m)		
6) Bed level EL(m)		EL20.80	
7) Gate type / Wood, Steal, Others, Nothing		Steal	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Gate condition / Excellent, Good, Bad, Already Expire		Good	
10) Please write ı	remarks, if any	One intake out of two intakes is intake.	expire and use it as main
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other		Please see other location Map	

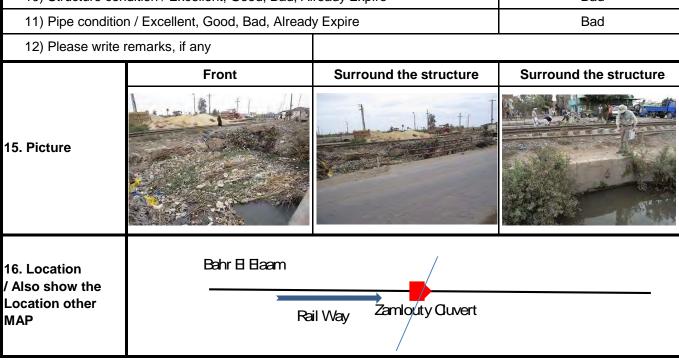
Data Sheet of	the Minor Structure	For Weir	F4
1. Name	Behmo Nasba	2. Construction Year	1926
3. Туре			3 Weir
4. Canal's name			
5. Command Area	20,590	6. Max discharge of canal	7.15
(feddan)	downstream the structure (kn	(m³/day) or (m³/s)	
	10.5		
8. Necessary works	Reconstruction Within 5 years		
9. Commencement	Within 5 years		
	essary works for improvement necessary works for	T.	1,000,000 LE otection work at downstream of
improvement		the structure.	Olection work at downstream or
12. Existing probler	reathering and difficulty of the fair water at downstream.		
13. Material of the s	structure / Wood, Brick, Stone	e, Steal, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the W	/eir (m)		10.3, 1.315, 0.828
2) Height of the V	Weir from the canal bed (m)		-0.33
3) Crest level of t	the Weir EL (m)		-EL12.70
4) Width of up str	5.50		
5) Width of down	5.00		
6) Up stream water level EL(m)			Up Stream EL -12.33
7) Down stream water level EL(m)			Down Stream EL -12.00
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Please write re	∍marks, if any		
	Up stream	Up stream	Down stream
15. Picture	01/03/2010	10.94/9/010	01/03/2010
16. Location / Also show the Location other MAP	Bahr Behmo Bahr 🛭 Kaaby	Behmo Nasba Km 4.460	ahr Sennoures

F5

Data Choot of	the miner etractare	1 01 44011	1 0			
1. Name	El shoremy nasba	2. Construction Year	1927-1930			
3. Туре			3 Weir as intake			
4. Canal's name		Sennors				
5. Command Area (feddan)	21,544	6. Max discharge of canal (m³/day) or (m³/s)	7.481 m3/s			
7. Length of Canal	30.0					
8. Necessary works	Reconstrction					
9. Commencement	within 5 years					
10. Cost of the nec	<u>1,000,000 LE</u>					
11. Contents of the necessary works for improvement Need the reconstruction of the						
12. Existing proble	12. Existing problems of the structure The structure has been damag of the fair water distribution.		ed by weathering and difficulty			
13. Material of the s	Brick					
14. Question and D	imension of the structure (If	nothing of information, please	write "N")			
1) Width of the W	7.203, 5.18 ,0.87					
2) Height of the Weir from the canal bed (m)			1.03			
3) Crest level of the Weir EL (m)			EL11.29			
4) Width of up str	6.00					
5) Width of down						
6) Up stream wat	Up Stream EL 11.83					
7) Down stream	Down Stream EL 10.80					
8) Structure cond	Bad					
9) Please write re	9) Please write remarks, if any					
	Up stream 1	Up stream 2	Weir (one of three)			
15. Picture						
16. Location / Also show the Location other MAP		Bahr & Zerby Bahr & Zerby B shoremy nasba				

Data Sheet of	the Minor Structure	For Weir	F6
1. Name	Gadona	2. Construction Year	1927
3. Туре			3 Weir
4. Canal's name		Sersena Elemomey	
5. Command Area (feddan)	4,216	6. Max discharge of canal (m³/day) or (m³/s)	1.464 m3/s
7. Length of Canal	13.0		
8. Necessary works	Reconstrction		
9. Commencement	within 10 years		
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	e structure widening the vent		
12. Existing proble	ged by weathering and difficulty		
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If ı	nothing of information, pleas	e write "N")
1) Width of the W	2.472, 1.315, 1.029		
2) Height of the V	1.11		
3) Crest level of t	EL3.75		
4) Width of up str	2.50		
5) Width of down			
6) Up stream wat	Up Stream EL 4.11		
7) Down stream	Down Stream EL 3.00		
8) Structure cond	Bad		
9) Please write re	emarks, if any		
	Up stream	Down stream	Weir (one of three)
15. Picture			
16. Location / Also show the Location other MAP	Main Sersena ————————————————————————————————————	Bahr Kafer Omeara Gadona nas	Bersena∃Wosta ba

Data Sheet of	the Minor Structure	For Culvert	F7
1. Name	Zmloty Culvert	2. Construction Year	1927
3. TypeSelect fro	m as follow item (Culvert	, Siphon, Aqueduct)	Culvert
4. Canal's name		El Elaam	
5. Command Area (feddan)	3,763	6. Max discharge (m³/day) or (m³/s)	1.30 m3/s
7. Length of Canal	downstream the structure (kn	n)	7.0
8. Necessary works	for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement (At least after 5yr)	within 5 years
10. Cost of the nece	essary works for improvemer	nt	1,000,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the sthe garbage.	structure and the removal of
12. Existing proble	ms of the structure	The structure has been damaged the fair water distribution. The much ga	, ,
13. Material of the structure / Wood, Brick, Stone, Steal, Other			Brick
14. Material of the p	pipe / Wood, Brick, Stone, Ste	al, Other	Brick
15. Question and D	imension the structure (If no	thing of information, please wi	rite "N")
1) Vent height of the Culvert (m)		1.80	
2) Vent width of the Culvert (m)		3.50	
3) Length of the Culvert, Siphon, Aqueduct (m)		7.50	
4) Depth of the Siphon pipe. The depth is from the canal bank to the pipe(m)		1.00	
5) The difference of water head level of the siphon (m)		0.30	
6) Diameter of the pipe for Siphon or Aqueduct (mm)		1.00	
7) Up stream water level EL(m)			
8) Down stream water level EL(m)			
9) Length of pipe	for Siphon or Aqueduct, if any	(m)	7.50
10) Structure con	dition / Excellent, Good, Bad, A	lready Expire	Bad
11) Pipe condition / Excellent, Good, Bad, Already Expire		Bad	
12) Please write	remarks, if any		
	Front	Surround the structure	Surround the structure
15. Picture			



Data Sheet of	the Minor Structure	For Weir	F8
1. Name	Brka weir	2. Construction Year	1927
3. Туре			Weir
4. Canal's name		El nazla	
5. Command Area (feddan)	16,740	6. Max discharge of canal (m³/day) or (m³/s)	5.813 m3/s
7. Length of Canal	downstream the structure (km	1)	12.944
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 years
10. Cost of the nece	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and pr the structure.	otection work at downstream of
12. Existing proble	ms of the structure	The structure has been damaged by w distribution. It is afraid of the scouring a	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the W	/eir (m)		5.89
2) Height of the V	Veir from the canal bed (m)		3.25
3) Crest level of t	he Weir EL (m)		EL1.48
4) Width of up str	4) Width of up stream of the canal (m)		7.00
5) Width of down stream of the canal (m)			
6) Up stream water level EL(m)		Up Stream EL 2.17	
7) Down stream water level EL(m)		Down Stream EL -1.08	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Up stream	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr∃Nazla	Barka Wear Km	 46.746

Data Sheet of	the Minor Structure	For Intake	F9
1. Name	El serb intake	2. Construction Year	1927 - 1930
3. Туре			Intake
4. Canal's name		Bahr Wahby	
5. Command Area	6,811	6. Max discharge of canal	2.36 m3/s
(feddan)	·	(m³/day) or (m³/s)	
-	downstream the structure (kr	-	13.4
_	for improvement / Rehabilita		Reconstruction
	of the necessary works for in	-	within 5 years
	essary works for improvemen		300,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the protection work at downstream	
12. Existing proble	ns of the structure	The structure has been damaged by water distribution. It is afraid of the sco	
13. Material of the s	structure / Wood, Brick, Stone	e, Steal, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (n	า)		3.00
2) Gate Width (m)		1.03
3) Number of Ver	nt		2
4) Up stream water level EL(m)		Up Stream EL13.30	
5) Down stream water level EL(m)		Down Stream EL13.20	
6) Bed level EL(m)		EL11.54	
7) Gate type / Wood, Steal, Others, Nothing		Steal	
8) Structure cond	ition / Excellent, Good, Bad, Al	ready Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Alread	ly Expire	Bad
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture	02/03/2010		List of the list o
16. Location / Also show the Location other MAP	Bahr Wahl	B Serb by B Serb Intake	

Data Officer of	the miner offactare	1 Of Illiano	1 10
1. Name	Hawara Intake	2. Construction Year	1927 - 1930
3. Туре	•		Intake
4. Canal's name			
5. Command Area (feddan)	1,448	6. Max discharge of canal (m³/day) or (m³/s)	7.646 m3/s
7. Length of Canal	downstream the structure (km	1)	4.2
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for im	nprovement	within 5 years
10. Cost of the nec	essary works for improvemen	t	200,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the structure site. This pump will be worked inst	
12. Existing proble	ms of the structure	The structure has been damage will be dealt by rehabilitation.	ed on surface. Those damage
13. Material of the	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (r	n)		2.00
2) Gate Width (m	n)		1.00
3) Number of Ve	nt		1
4) Up stream wa	ter level EL(m)		Up Stream EL25.60
5) Down stream	water level EL(m)		Down Stream EL25.00
6) Bed level EL(m)			EL25.00
7) Gate type / Wood, Steal, Others, Nothing		Steal	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Gate condition	/ Excellent, Good, Bad, Already	y Expire	Bad
10) Please write remarks, if any The new pump station is under control this structure.		construction at down stream of	
	Front	Тор	Side or Behind
15. Picture	02/03/2010	02/03/2010	02/03/24.0
16. Location / Also show the Location other MAP	Hawa Bahr	Under Const. Pump From Hasan Wasef ara Hawara Intake	h

Data Sheet of the Minor Structure	For Weir	F11
Bata Cricot of the Millor Caractare	1 01 11011	

	the minor Otractare	1 01 44011	
1. Name	El meshrak nasba	2. Construction Year	1927
3. Туре			3 Weir as intake
4. Canal's name	El nazla		
5. Command Area (feddan)	15,154	 Max discharge of canal (m³/day) or (m³/s) 	5.262 m3/s
7. Length of Canal	downstream the structure (kn	1)	22.000
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	within 5 years
10. Cost of the nece	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and prethe structure.	otection work at downstream of
12. Existing probler	ms of the structure	The structure has been damaged by w distribution. It is afraid of the scouring	reathering and difficulty of the fair water at downstream.
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the W	/eir (m)		2.59, 2.42, 1.02
2) Height of the V	Veir from the canal bed (m)		4.21
3) Crest level of t	he Weir EL (m)		EL -1.20
4) Width of up str	ream of the canal (m)		5.89
5) Width of down stream of the canal (m)			
6) Up stream water level EL(m)			Up Stream EL -0.51
7) Down stream v	7) Down stream water level EL(m)		Down Stream EL -4.72
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr Khour El Ad	Bahr 🛭 Mesharak Bahr 🗈 Nasharak Mesharak Nasba Km 5	

Data Sheet of the Minor Structure	For Weir	F12

	the miner etractare	1 01 11011	1 1 4
1. Name	El hmam nasba	2. Construction Year	1927
3. Туре	•		3 Weir as intake
4. Canal's name	El meshark		
5. Command Area (feddan)	6,225	6. Max discharge of canal (m³/day) or (m³/s)	2.161 m3/s
7. Length of Canal	downstream the structure (km	n)	2.8
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	within 5 years
10. Cost of the nece	essary works for improvemen	t	<u>500,000 LE</u>
11. Contents of the improvement	necessary works for	Need the reconstruction and pr the structure.	otection work at downstream of
12. Existing probler	ms of the structure	The structure has been damaged by w distribution. It is afraid of the scouring a	eathering and difficulty of the fair water at downstream.
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the W	/eir (m)		0.90 , 2.80
2) Height of the V	Veir from the canal bed (m)		4.16
3) Crest level of t	he Weir EL (m)		EL -4.90
4) Width of up stream of the canal (m)			4.00
5) Width of down	stream of the canal (m)		
6) Up stream water level EL(m)			Up Stream EL -4.34
7) Down stream water level EL(m)		Down Stream EL -8.50	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	B Hamma	Bahr 🛭 Mesharak am 🖹 hmam nasba	<

F13

1. Name	TALET nasba	2. Construction Year	
3. Туре	•		4 Weir as intake
4. Canal's name	4. Canal's name El Ghark		
5. Command Area (feddan)	14,808	6. Max discharge of canal (m³/day) or (m³/s)	5.142 m3/s
7. Length of Canal	downstream the structure (km	n)	
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	within 5 years
10. Cost of the nece	essary works for improvemen	t	500,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction with ch	nanging of the width of the vent
12. Existing proble	ms of the structure	The structure has been damaged by we distribution, due to the narrow vents	eathering and difficulty of the fair water
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Width of the W	/eir (m)		3.90, 2.54, 0.52, 0.31
2) Height of the V	Veir from the canal bed (m)		
3) Crest level of t	he Weir EL (m)		EL 16.36
4) Width of up stream of the canal (m)			6.00
5) Width of down	stream of the canal (m)		
6) Up stream water level EL(m)			Up Stream EL 16.90
7) Down stream water level EL(m)			
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture	02405/2011	92/03/2010	02/03/2010
16. Location / Also show the Location other MAP	 Bahr ∃ Gharak	Bahr Gergaba Gannabia Gergaba Bahr 🗏 Ewaynat Talet Nasba Bahr Da	enial

Data Sheet of the Minor Structure	For Weir	F14
-		

	and minor daractard	1 01 11011	
1. Name	Abd El rhman weir	2. Construction Year	1927
3. Туре			Weir
4. Canal's name		ZAWEA	
5. Command Area (feddan)	14,393	6. Max discharge of canal (m³/day) or (m³/s)	4.998 m3/s
7. Length of Canal	downstream the structure (km	n)	16.0
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for in	nprovement	within 10 years
10. Cost of the nece	essary works for improvemen	t	<u>500,000 LE</u>
11. Contents of the necessary works for improvement Need the rehabilitation and prote the structure.		ection work at downstream of	
12. Existing proble	ms of the structure	Accordig to the hearing to the d the scouring at downstream.	istrict engineer, it is afraid of
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the W	/eir (m)		8.078 , 8
2) Height of the V	Veir from the canal bed (m)		2.43
3) Crest level of t	he Weir EL (m)		EL 21.54
4) Width of up stream of the canal (m)		5.00	
5) Width of down stream of the canal (m)			
6) Up stream water level EL(m)		Up Stream EL 22.08	
7) Down stream water level EL(m)		Down Stream EL 19.65	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture	01/03/2010	01/03/2010	01/03/2010
16. Location / Also show the Location other MAP	∃ Zawea ———————————————————————————————————		on

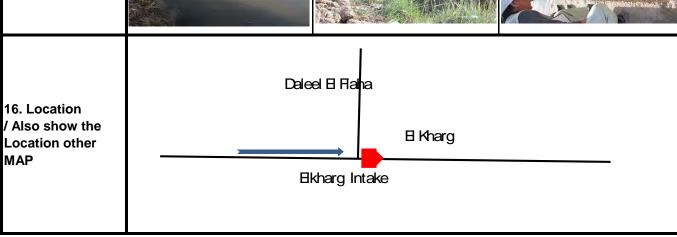
Data Sheet of	the Minor Structure	For Weir	F15
1. Name	naklefa intake	2. Construction Year	1927

	_		
1. Name	naklefa intake	2. Construction Year	1927
3. Туре			Weir
4. Canal's name		ZAWEA	
5. Command Area (feddan)	10,844	6. Max discharge of canal (m³/day) or (m³/s)	3.765 m3/s
7. Length of Canal downstream the structure (km)		9.0	
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	Within 5 years
10. Cost of the nec	essary works for improvemen	t	500,000 LE
11. Contents of the necessary works for Need the reconstruction with ch		hanging to the suitable width of	
improvement		the vent The structure has been damaged by w	eathering and difficulty of the fair wate
12. Existing proble	ms of the structure	distribution, due to the narrow vents	carrieting and difficulty of the fair water
13. Material of the	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	Dimension of the structure (If	nothing of information, please	write "N")
1) Width of the V	Veir (m)		6.67
2) Height of the	Weir from the canal bed (m)		1.20
3) Crest level of the Weir EL (m)		EL 20.66	
4) Width of up stream of the canal (m)		5.00	
5) Width of down stream of the canal (m)		4.00	
6) Up stream water level EL(m)		Up Stream EL 21.20	
7) Down stream water level EL(m)		Down Stream EL 20.00	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write r	emarks, if any		
	Front	Тор	
15. Picture	-01/03/2010	01/03/2010	
16. Location / Also show the Location other MAP	Bahr E	Bahr N Baher Nakalifa Inta	

Data Office of the Million Officials Of Mach	ata Sheet of the Minor Structure	For Weir	F16
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Data Choot of	tilo iviiiloi Otiaotaio	1 01 11011	1 10
1. Name	Farsh weir	2. Construction Year	1927-1930
3. Туре			Weir
4. Canal's name		ZAWEA	
5. Command Area (feddan)	1,924	6. Max discharge of canal (m³/day) or (m3/s)	0.668 m3/s
7. Length of Canal	downstream the structure (km	1)	3.0
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	within 5 years
10. Cost of the nece	essary works for improvemen	t	500,000 LE
11. Contents of the necessary works for Need the reconstruction with cheen the vent		hanging to the suitable width of	
12. Existing proble	ms of the structure	The structure has been damaged by w distribution, due to the narrow vents	eathering and difficulty of the fair water
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the W	/eir (m)		1.20
2) Height of the V	Veir from the canal bed (m)		0.69
3) Crest level of the Weir EL (m)		EL20.65	
4) Width of up stream of the canal (m)		1.50	
5) Width of down stream of the canal (m)		1.00	
6) Up stream water level EL(m)		Up Stream EL 21.19	
7) Down stream water level EL(m)		Down Stream EL 20.50	
8) Structure condition / Excellent, Good, Bad, Already Expire Bad		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture	01/03/2010	d 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01/08/2010
16. Location / Also show the Location other MAP	 ⊟ Fars	Daleel B Flaha Bahr B Nazi	a

15. Picture			
	Up stream	Down stream	Side or Behind
9) Please write	remarks, if any		
8) Structure cor	ndition / Excellent, Good, Bad, Al	ready Expire	Bad
7) Down stream	n water level EL(m)		Down Stream EL -3.60
,	ater level EL(m)		Up Stream EL -2.85
,	n stream of the canal (m)		2.00
,	stream of the canal (m)		3.00
, ,	f the Weir EL (m)		EL -3.21
Width of the Height of the	Weir (m) Weir from the canal bed (m)		0.75
		nothing of information, please	2.95
13. Material of the structure / Wood, Brick, Stone, Steal, Concert 14. Question and Dimension of the structure (If nothing of information, please write "N")			Brick
	ems of the structure	The structure has been damag does not seem fatal damage.	-
11. Contents of th improvement	e necessary works for	Need the rehabilitation of the st	tructure
	cessary works for improvemen	nt	<u>100,000 LE</u>
	nt of the necessary works for in	-	Within 10 years
8. Necessary worl	ks for improvement / Rehabilita	ation or Reconstruction	<u>Rehabilitation</u>
7. Length of Cana	I downstream the structure (kr	m)	11.5
5. Command Area (feddan)	4,452	6. Max discharge of canal (m³/day) or (m³/s)	1.546 m3/s
4. Canal's name		El masra	
3. Туре		•	Weir
1. Name	elkharg intake	2. Construction Year	1927-1930



Data Sheet of the Minor Structure For W	eir F18
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1. Name	End of elkharg nasba	2. Construction Year	1927-1930
3. Туре			3 Weir as intake
4. Canal's name		Elkharg	
5. Command Area (feddan)	4,436	6. Max discharge of canal (m³/day) or (m³/s)	1.54 m3/s
7. Length of Canal downstream the structure (km)		5.0	
8. Necessary works	for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	mprovement	Within 5 years
10. Cost of the nece	essary works for improvemen	nt	300,000 LE
11. Contents of the necessary works for Need the reconstruction with characteristics.		hanging to the suitable width of	
improvement 12. Existing proble	ms of the structure	the vent The structure has been damaged by w distribution, due to the narrow vents	reathering and difficulty of the fair water
13. Material of the s	structure / Wood, Brick, Stone	,	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the W	/eir (m)		1.79, 0.512, 0.512
2) Height of the V	Veir from the canal bed (m)		1.52
3) Crest level of t	he Weir EL (m)		EL -8.20
4) Width of up stream of the canal (m)		2.00	
5) Width of down stream of the canal (m)		1.00	
6) Up stream water level EL(m)		Up Stream EL -7.66	
7) Down stream water level EL(m)		Down Stream EL -9.18	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	 ∃ Kharg	Ghosase B Namoose Bahr B E End of B Kharg Nasba	

	Data Sheet of the Minor Structure	For Weir	F19
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Data Choot of	the miner etractare	1 01 44011	1 13
1. Name	Seila nasba	2. Construction Year	1927-1930
3. Туре			5 Weir as intake
4. Canal's name		Seila elomomy	
5. Command Area (feddan)	8,659	6. Max discharge of canal (m³/day) or (m³/s)	3.007 m3/s
7. Length of Canal	downstream the structure (km	n)	18.0
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	within 5 years
10. Cost of the nec	essary works for improvemen	t	750,000 LE
	necessary works for		nanging to the suitable width of
improvement		the vent	
12. Existing proble	ms of the structure		
13. Material of the	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	e write "N")
1) Width of the W	/eir (m)		2.793, 0.603, 0.352, 0.302, 0.276
2) Height of the V	Veir from the canal bed (m)		
3) Crest level of t	the Weir EL (m)		EL 16.30
4) Width of up stream of the canal (m)		6.50	
5) Width of down stream of the canal (m)			
6) Up stream water level EL(m)		Up Stream EL 16.84	
7) Down stream water level EL(m)			
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture	02/03/2010		02/03/2010
16. Location / Also show the Location other MAP	South B Bahr Seila	East Bahr Seila Seila nasba Km 5.310 Bahr El Ro	

<u>Data Sheet of the Minor Structure</u> For Intake **F20**

	the minor etractare	i oi iiitako	1 20
1. Name	Tanhala Intake	2. Construction Year	1927-1930
3. Туре			Intake
4. Canal's name / M	ain canal name		Bahr Yousef
5. Command Area (feddan)	22,020	6. Max discharge (m³/day) or (m³/s)	7.646 m3/s
7. Length of Canal o	downstream the structure (km	1)	32.0
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for im	provement	within 20 years
	essary works for improvemen	1	200,000 LE
11. Contents of the improvement	necessary works for	Need to install the mechanical	Frash rack or other way
12. Existing probler	ms of the structure	It si difficult to do daily cleanning	g works
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Other	Brick-Mason
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Gate Height (n	າ)		3.00
2) Gate Width (m)		1.00
3) Number of Ver	nt (How many ?)		4.00
4) Up stream wat	er level EL(m)		Up Stream EL23.40
5) Down stream water level EL(m)		Down Stream EL39.80	
6) Bed level EL(m)		EL20.00	
7) Gate type / Wood, Steal, Others, Nothing		Steel	
8) Structure condition / Excellent, Good, Bad, Already Expire		not so bad	
9) Gate condition / Excellent, Good, Bad, Already Expire		not so bad	
10) Please write ı	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			QUOLOG (A) MARHIEN
16. Location / Also show the Location other MAP	Bahr Yousef Gani	Tanhala Intake nabia Barwa	

Data Sheet of the Minor Structure	For Weir	F21

1. Name	Esmail abd el lateef weir	2. Construction Year	1927-1930
3. Type	20.114.11 4.04 01 14.1001 11.01		Weir
4. Canal's name		nazla	
5. Command Area (feddan)	5,947	6. Max discharge of canal (m³/day) or (m³/s)	2.065 m3/s
7. Length of Canal	downstream the structure (km		8.7
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	within 5 years
10. Cost of the nece	essary works for improvemen	t	250,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction with chapter the vent	nanging to the suitable width of
12. Existing probler	ns of the structure	The structure has been damaged l fair water distribution, due to the na	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick& concrete
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Width of the W	/eir (m)		1.99
2) Height of the V	Veir from the canal bed (m)		1.50
3) Crest level of t	he Weir EL (m)		EL -4.40
4) Width of up str	eam of the canal (m)		2.50
5) Width of down	stream of the canal (m)		2.00
6) Up stream water level EL(m)			Up Stream EL -3.71
7) Down stream v	water level EL(m)		Down Stream EL -4.50
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any	This bridge has not been used.	
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr B	Nazla Ismail Abdel Lateef Weir Kr	m 50.960

Data Sheet of the Minor Structure	For Weir	F22
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1. Name	Hassan afndy weir	2. Construction Year	1927-1930
3. Туре			Weir
4. Canal's name		nazla	
5. Command Area (feddan)	5,344	6. Max discharge of canal (m³/day) or (m³/s)	1.856 m3/s
7. Length of Canal	downstream the structure (km	n)	8.4
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Reconstruction</u>
9. Commencement	of the necessary works for im	provement	within 5 years
10. Cost of the nece	essary works for improvemen	t	250,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction with characteristics the vent	anging to the suitable width of
12. Existing proble	ms of the structure	The structure has been damaged be fair water distribution, due to the na	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Width of the W	/eir (m)		1.78
2) Height of the V	Veir from the canal bed (m)		2.50
3) Crest level of t	he Weir EL (m)		EL -5.89
4) Width of up str	ream of the canal (m)		2.50
5) Width of down stream of the canal (m)		2.00	
6) Up stream water level EL(m)			Up Stream EL -5.20
7) Down stream	water level EL(m)		Down Stream EL -8.56
8) Structure cond	lition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Please write re	emarks, if any	This bridge has not almost beer	n used.
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr ⊞	Nazla Hasan Afandy Weir	

Data Sheet of the Minor Structure	For Weir	F23
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1. Name	rawashdia weir	2. Construction Year	1927-1930
3. Туре			Weir
4. Canal's name		nazla	
5. Command Area (feddan)	3,300	6. Max discharge of canal (m³/day) or (m³/s)	1.146 m3/s
7. Length of Canal	downstream the structure (km	n)	5.0
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	within 5 years
10. Cost of the nec	essary works for improvemen	t	250,000 LE
	necessary works for	Need the reconstruction with ch	anging to the suitable width o
improvement		the vent The structure has been damage	ad by weathering and difficult
12. Existing proble	ms of the structure	of the fair water distribution, due	
13. Material of the	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If	nothing of information, please	write "N")
1) Width of the V	Veir (m)		2.00
2) Height of the \	Weir from the canal bed (m)		1.00
3) Crest level of	the Weir EL (m)		EL -16.47
4) Width of up stream of the canal (m)		2.00	
5) Width of down stream of the canal (m)			
6) Up stream water level EL(m)		Up Stream EL -15.93	
7) Down stream water level EL(m)		Down Stream EL -17.60	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr ⊞	Nazla rawashdia weir Km 54.060	

Data Sheet of the Minor Structure	For Weir	F24
	1 01 11011	

Data Choot C	i the Millor Structure	I OI VVEII	1 44
1. Name	mezar	2. Construction Year	1927-1930
3. Туре			Weir
4. Canal's name		nazla	
5. Command Area (feddan)	2,762	6. Max discharge of canal (m³/day) or (m³/s)	0.959 m3/s
7. Length of Cana	I downstream the structure (km		4.5
8. Necessary worl	ks for improvement / Rehabilita	tion or Reconstruction	No need
9. Commencemen	t of the necessary works for in	nprovement	No need
10. Cost of the ne	cessary works for improvemen	t	
11. Contents of th improvement	e necessary works for	Nothing	
12. Existing probl	ems of the structure	No problem. Becouse this stru	cture had already reconstructed
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Concert	Brick
14. Question and	Dimension of the structure (If	nothing of information, please	e write "N")
1) Width of the	Weir (m)		1.38
2) Height of the	Weir from the canal bed (m)		1.50
3) Crest level of	f the Weir EL (m)		EL -5.89
4) Width of up stream of the canal (m)			
5) Width of down stream of the canal (m)			
6) Up stream water level EL(m)		Up Stream EL -5.20	
7) Down stream water level EL(m)		Down Stream EL -19.62	
8) Structure cor	ndition / Excellent, Good, Bad, Alr	eady Expire	good
9) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr ⊞	Nazla mezar weir	

Data Sheet of the Minor Structure	For Weir	F25
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	the minor offactare	1 01 11011	1 20
1. Name	Soleman	2. Construction Year	1927-1930
3. Туре			Weir
4. Canal's name		nazla	
5. Command Area (feddan)	20,637	6. Max discharge of canal (m³/day) or (m³/s)	7.166 m3/s
7. Length of Canal	downstream the structure (km	1)	19.5
8. Necessary works	s for improvement / Rehabilita	tion or Reconstruction	<u>Rehabilitation</u>
9. Commencement	of the necessary works for im	nprovement	within 10 years
10. Cost of the nec	essary works for improvemen	t	300,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation and prothe structure.	tection work at downstream of
	ms of the structure	Accordig to the hearing to the couring at downstream.	listrict engineer, it is afraid of
13. Material of the	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")
1) Width of the W	Veir (m)		6.854
2) Height of the V	Weir from the canal bed (m)		1.840
3) Crest level of t	3) Crest level of the Weir EL (m)		EL 3.00
4) Width of up st	4) Width of up stream of the canal (m)		9.00
5) Width of down stream of the canal (m)		8.00	
6) Up stream water level EL(m)		Up Stream EL 3.69	
7) Down stream water level EL(m)		Down Stream EL 2.50	
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Please write re	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	Bahr ⊞	Nazla Seem weir	

Data Sheet by Consultant in Giza

Item	Number of Structure	Remarks
Intake	2	
Regulator	4	
Tail escape	0	
Culvert	0	
Siphon	0	
Aqueduct	0	
Bridge	0	
Weir	0	
Pipe line	0	
Pump station	0	
Total Structure	6	

<u>Data Sheet for the Minor Structure</u> For Regulator

G1

	the miner offactare	i oi itogulatoi	O 1
1. Name	El ayat	2. Construction Year	1935
3. Туре			Regulator
4. Canal's name		Giza canal	
5. Command Area (feddan)	1,200,000	6. Max discharge of canal (m³/day) or (m³/s)	2.2 m3/s
7. Length of Canal	downstream the structure (km	n)	40.8
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5yrs
10. Cost of the nece	essary works for improvemen	t	10,000,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction of the	structure and replace the gate
12. Existing probler	ms of the structure	The structure has been damage roughly rehabilitation in the pas	
13. Material of the s	tructure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Gate Height (n	າ)		5.00
2) Gate Width (m)		3.00
3) Number of Ver	nt		5
4) Up stream wat	er level EL(m)		Up Stream EL23.00
5) Down stream v	vater level EL(m)		
6) Bed level EL(m)		EL19.75	
7) Gate type / Wo	ood, Steal, Others, Nothing		Steal
8) Structure condition / Excellent, Good, Bad, Already Expire		Bad	
9) Gate condition / Excellent, Good, Bad, Already Expire		Bad	
10) Please write ı	remarks, if any	Bridge width 5m, length 21.5m	
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	E	Aiyat Regulator Km 63.200	

Data Sheet of	the Minor Structure	For Regulator	G2
1. Name	Abu Rag wan	2. Construction Year	1935
3. Туре			Regulator
4. Canal's name		Giza canal	
5. Command Area (feddan)	100,000	6. Max discharge of canal (m³/day) or (m³/s)	2.00 m3/s
7. Length of Canal	downstream the structure (k	m)	23.6
8. Necessary works	for improvement / Rehabilit	ation or Reconstruction	<u>Rehabilitation</u>
9. Commencement	of the necessary works for i	mprovement	Within 10 years
10. Cost of the nece	essary works for improveme	nt	<u>100,000 LE</u>
11. Contents of the improvement	necessary works for	Need the removal of the garbac sturucture on surface.	ge and rehabilitation of the
12. Existing probler	ns of the structure	The structure and gate are not garbage prevent fair distribution	·
13. Material of the structure / Wood, Brick, Stone, Steal, Concert		Brick	
14. Question and Di	imension of the structure (If	nothing of information, please	write "N")
1) Gate Height (m)		4.00	
2) Gate Width (m)		3.00	
3) Number of Vent		4	
4) Up stream water level EL(m)		Up Stream EL21.90	
5) Down stream water level EL(m)			
6) Bed level EL(m	n)		EL18.83
7) Gate type / Wo	ood, Steal, Others, Nothing		Steal
8) Structure cond	lition / Excellent, Good, Bad, A	Iready Expire	not so bad
9) Gate condition	/ Excellent, Good, Bad, Alread	dy Expire	not so bad
10) Please write remarks, if any Bridge width 5m, length 17.5m			
	Front	Тор	Side or Behind
15. Picture			
		Abou Ragwan Reg, Km 80.200	

16. Location / Also show the Location other MAP Abou Ragwan Reg. Km 80.200

日 Giza Canal

Data Sheet of	the Minor Structure	For Regulator	G3		
1. Name	El Hawamdia	2. Construction Year	1935		
3. Туре			Regulator		
4. Canal's name	. Canal's name Giza canal				
5. Command Area (feddan)	9,000	6. Max discharge of canal (m³/day) or (m³/s)	1.70 m3/s		
7. Length of Canal of	downstream the structure (kn	n)	103.8		
8. Necessary works	8. Necessary works for improvement / Rehabilitation or Reconstruction				
9. Commencement	of the necessary works for in	nprovement	within 10 years		
10. Cost of the nece	essary works for improvemen	t	1,000,000 LE		
11. Contents of the improvement	necessary works for	Need the replace all the gates a removal of the garbage.	and rehabilitation. Need the		
12. Existing probler	ms of the structure	The structure is not so bad. How almost. Only one gate at right s			
13. Material of the s	tructure / Wood, Brick, Stone	e, Steal, Concert	Brick		
14. Question and Di	imension of the structure (If	nothing of information, please	write "N")		
1) Gate Height (m	n)		4.00		
2) Gate Width (m)		2.60		
3) Number of Vent			4		
4) Up stream wat	er level EL(m)		Up Stream EL21.00		
5) Down stream water level EL(m)					
6) Bed level EL(m)			EL18.00		
7) Gate type / Wood, Steal, Others, Nothing			Steal		
8) Structure cond	ition / Excellent, Good, Bad, Alr	eady Expire	good		
9) Gate condition	/ Excellent, Good, Bad, Already	y Expire	Bad		
10) Please write r	remarks, if any	Bridge width 4m, length 15m			
	Front	Тор	Side or Behind		
15. Picture					
16. Location / Also show the Location other MAP		Hawamdeia Reg. Km 94.800			

Data Sheet of the Minor Structure	For Intake	G4
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1. Name	El Mansoria intake	2. Construction Year	1935	
3. Туре			Intake	
4. Canal's name	4. Canal's name El Mansoria canal			
5. Command Area (feddan)	24,745	6. Max discharge of canal (m³/day) or (m³/s)	0.6 m3/s	
7. Length of Canal	downstream the structure (km	1)	26.0	
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	<u>Rehabilitation</u>	
9. Commencement	of the necessary works for im	provement	within 20 years	
10. Cost of the nece	essary works for improvemen	t	<u>50,000 LE</u>	
11. Contents of the improvement	necessary works for	Need the removal of the garbacture on surface.	ge and rehabilitation of the	
12. Existing probler	ms of the structure	The much garbage prevent the	suitable distribution	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick	
14. Question and D	imension of the structure (If I	nothing of information, please	write "N")	
1) Gate Height (n	n)		3.00	
2) Gate Width (m)		3.00	
3) Number of Ver	nt		2	
4) Up stream wat	Up Stream EL20.00			
5) Down stream v				
6) Bed level EL(n	EL17.00			
7) Gate type / Wo	ood, Steal, Others, Nothing		Steal	
8) Structure condition / Excellent, Good, Bad, Already Expire			Good	
9) Gate condition / Excellent, Good, Bad, Already Expire			Good	
The new regulator already had downstream. But it does not wo recommend the rehabilitation of			ork the gate. Consultant	
	Front	Тор	Side or Behind	
15. Picture				
16. Location / Also show the Location other MAP	∃ Mansouria New Intake (∃ Mansouria		nsouria Canal	

G5

1. Name	EL zomor Intake	2. Construction Year	1935
3. Туре			Intake
4. Canal's name			
5. Command Area (feddan)	9,000	6. Max discharge of canal (m³/day) or (m³/s)	0.50 m3/s
7. Length of Canal	downstream the structure (km	n)	26.0
8. Necessary works	for improvement / Rehabilita	tion or Reconstruction	Reconstruction
9. Commencement	of the necessary works for im	provement	Within 5 years
10. Cost of the nece	essary works for improvemen	t	2,000,000 LE
11. Contents of the improvement	necessary works for	Need the reconstruction and re	place the gates.
12. Existing proble	ms of the structure	The much garbage prevent the structure body has damage by	
13. Material of the s	structure / Wood, Brick, Stone	, Steal, Concert	Brick
14. Question and D	imension of the structure (If r	nothing of information, please	write "N")
1) Gate Height (n	n)		4.00
2) Gate Width (m)		2.60
3) Number of Ver	nt		2
4) Up stream wat	Up Stream EL19.50		
5) Down stream			
6) Bed level EL(n	EL17.00		
7) Gate type / Wo	ood, Steal, Others, Nothing		Steal
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition / Excellent, Good, Bad, Already Expire			Bad
10) Please write	remarks, if any	Bridge width 8m, length 9.5m	
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	日 Zomer II	ntake Km 103.840 B Giza Canal	· Canal

Data Sheet of	the Minor Structure	For Regulator	AG1
1. Name	El Mansoria regulator	2. Construction Year	after 1999
3. Туре			Regulator
4. Canal's name		El Mansoria canal	
5. Command Area (feddan)	9,000	 Max discharge of canal (m³/day) or (m³/s) 	0.6 m3/s
7. Length of Canal o	downstream the structure (kr	n)	26.0
8. Necessary works	Rehabilitation		
9. Commencement	of the necessary works for in	mprovement	Within 5 years
10. Cost of the nece	essary works for improvemer	nt	200,000 LE
11. Contents of the improvement	necessary works for	Need the rehabilitation of the s	tructure and replace the gates
12. Existing probler	ms of the structure	The gates can not work and ca	n not regulate the water.
13. Material of the s	tructure / Wood, Brick, Stone	e, Steal, Concert	Concrete
14. Question and Di	imension of the structure (If	nothing of information, please	e write "N")
1) Gate Height (m	۱)		3.00
2) Gate Width (m)		4.9, 2.9
3) Number of Ver	nt		2
4) Up stream wat	er level EL(m)		
5) Down stream water level EL(m)			
6) Bed level EL(m	n)		
7) Gate type / Wo	ood, Steal, Others, Nothing		Steal
8) Structure cond	ition / Excellent, Good, Bad, Ali	ready Expire	Bad
9) Gate condition	/ Excellent, Good, Bad, Alread	y Expire	Bad
10) Please write r	emarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP	∃ Mansouria New Intake		insouria Canal
IVIAF	∃ Mansouria	a Intake Km 101.600	

目 Giza Canal

Original Data Sheet by RGBS in Minya

خ رزد العوارد العالمية و الزو . الإدارة الركزية للعهارد الملية و الزي

لمحافظة المنا

القيـــد:{

التاريخ: ٩ / ٢٠١٠م.

رقم الملف: / /

عدد المرفقات: { } لا غير.

ب: بيانات المنشآت الصغيرة

السبِّدة المهندسة/ رئيس الإدارة الهركزيَّة للدراسات و المواصفات و النصميمات بقطاع الخزَّانات ـ رئيس اللجنة الفنِّية

تحيَّة طيِّبة . . . و بَعد

نتشرف بأن نرفق طيه إستمارات البيانات الخاصة بمقترحات المنشآت المائية الصغيرة اللازم إنشاؤها أو تدعيمها أو إحلالها و تجديدها بدائرة الإدارتين العامتين لريّ شرق و غرب المنيا ؛ و كذا سينوبتك لكل إدارة موقّع عليه مواقع تلك المقترحات.

برجاء التفضل بالإحاطة و التنبيه باللازم.

و تفضلوا سيادتكم بقبول وافر الإحترام. تحريراً في: ٩/ ٥/١٠٠م.

مـدير المكلب الفنيّ للادارة المركزية للموارد الماثية و الريّ لمحافظة المنيا

مهندس / ﴿ كُنُورُ مِنْ اللَّهِ الللَّهِ اللَّلَّمِ اللَّهِ اللَّهِ اللَّهِ الللَّهِ اللَّهِ اللَّهِ اللَّهِ ال

الب الهذي وعصري المسال
Minja

Data Sheet for the Minor Struc Form 1 / For Intake, Regulator, Tail escape

	the Millor Struc	. 7 01111		io, riogulato	i, rairescape
1. Name	Al Ashmonin canal	2-	Constructi	on Year	1920
3. TypeSelect from	om as follow item	(Intake,	Regulator,	Tail escape)	Intake
4. Canal's name / N	lain canal name				Al Dairotiya canal
5. Command Area (feddan)	9,225	6. Max d (m³/da	ischarge y) or (m³/s)		645,750
7. Length of Canal downstream the structure (km)					19,500.0
8. Necessary works	s for improvement /	Rehabilit	ation or Red	construction	RECONSTRUCTION
9. Commencement	of the necessary we	orks for in	nprovemen	t	5 year
10. Cost of the nec	essary works for im	proveme	nt		350,000 LE
11. Contents of the for improvement	necessary works	Replace	parts of cons	struction	
	ms of the structure				
13. Material of the	structure / Wood, Br	ick, Ston	e, Steal, Oth	ner	Brick & concret
14. Question and D	imension of the stru	ucture (lf	nothing of	information, p	olease write "N")
1) Gate Height (r	n)				2.10
2) Gate Width (m	1)				2.90
3) Number of Ve	nt (How many ?)				2.00
4) Up stream wat	ter level EL(m)				Up Stream EL43.90
5) Down stream	water level EL(m)				Down Stream EL43.55
6) Bed level EL(r	n)				EL42.75
7) Gate type / W	ood, Steal, Others, N	othing			Steal
8) Structure cond	lition / Excellent, Goo	d, Bad, Al	ready Expire	9	Bad
9) Gate condition	/ Excellent, Good, B	ad, Alreac	ly Expire		Bad
10) How ofen the	e maintenance / ever	y half year	or 1 year	. nothing etc	
11) Please write	remarks, if any			No	
	Front		Тор		Side or Behind
15. Picture					
	Dahab canal on bahe	er - Yosef	canal		
16. Location / Also show the Location other MAP					

Data Sheet for the Minor Struc Form 1 / For Intake, Regulator, Tail escape

Data Sheet for	the Minor Stru	CForm 1 / For Intake, Regulator	, Tail escape
1. Name	Al Desha canal	2- Construction Year	1918
3. TypeSelect fr	om as follow item	(Intake, Regulator, Tail escape)	Intake
4. Canal's name / N	/lain canal name		Al Sahliya canal
5. Command Area (feddan)	2,575	6. Max discharge (m³/day) or (m³/s)	180,250
7. Length of Canal	downstream the st	ructure (km)	5,680.0
B. Necessary work	s for improvement /	Rehabilitation or Reconstruction	RECONSTRUCTION
9. Commencement	of the necessary w	orks for improvement	5 year
	essary works for im	nprovement	200,000 LE
11. Contents of the or improvement	necessary works	Replace parts of construction	
I2. Existing proble	ms of the structure	Failer in som parts of construction	
3. Material of the	structure / Wood, B	rick, Stone, Steal, Other	Brick
4. Question and D	imension of the str	ructure (If nothing of information, p	lease write "N")
1) Gate Height (ı	n)		4.40
2) Gate Width (n	n)		2.55
3) Number of Ve	nt (How many ?)		1.00
4) Up stream wa	ter level EL(m)		Up Stream EL44.30
5) Down stream	water level EL(m)		######################################
6) Bed level EL(m)			EL42.20
7) Gate type / W	ood, Steal, Others, N	lothing	Steal
8) Structure cond	lition / Excellent, God	od, Bad, Already Expire	Bad
9) Gate condition	n / Excellent, Good, E	Bad, Already Expire	Bad
10) How ofen the	e maintenance / ever	ry half year or 1 year nothing etc.	
11) Please write	remarks, if any	No	
	Front	Тор	Side or Behind
5. Picture			
	Dahab canal on bah	er - Yosef canal	
6. Location			
Also show the			
ocation other			
MAP			
		Ann	

1. Name	1 Serry Branch	2. Construction Year	1970
3. TypeSelect		ke, Regulator, Tail escape)	Intake
4. Canal's name	Main canal name		raheemeyya Canal/Serry Can
5. Command Are (feddan)		6. Max discharge (m³/day) or (m³/s)	22,500
7. Length of Can	al downstream the structure		1,3
8. Necessary wor	ks for improvement / Rehab	ilitation or Reconstruction	Rehabilitation
	nt of the necessary works fo		Within 5 Years
	ecessary works for improven		150 000 L.E.
11. Contents of the improvement	ne necessary works for	Gate Re	eplacement
12. Existing prob	lems of the structure	The difficulty of ope	rating the existing gate.
. Material of the	structure / Wood, Brick, St	one, Steal, Other	Brick
14. Question and	Dimension of the structure	(If nothing of information, plea	ase write "N")
1) Gate Height	(m)		3,40
2) Gate Width	(m)		1.00
3) Number of V	/ent (How many ?)		1,00
4) Up stream water level EL(m)			Up Stream EL39,60
5) Down strean	n water level EL(m)		Down Stream EL39,50
6) Bed level EL	.(m)		EL38.30
7) Gate type / \	Nood, Steal, Others, Nothing		Steel
8) Structure co	ndition / Excellent, Good, Bad,	Already Expire	Bad
9) Gate condition	on / Excellent, Good, Bad, Alre	eady Expire	Bad
10) How ofen t	he maintenance / every half y	ear or 1 year nothing etc.	
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
l6. Location Also show the Location other			

4 Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape 1. Name 2 Seery Branch 2. Construction Year 1970 3. Type --Select from as follow item--(Intake, Regulator, Tail escape) Intake 4. Canal's name / Main canal name Ebraheemeyya Canal/Serry Canal 5. Command Area 6. Max discharge 500 37,500 (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 2.5 8. Necessary works for improvement / Rehabilitation or Reconstruction Rehabilitation 9. Commencement of the necessary works for improvement Within 3 YeARS 10. Cost of the necessary works for improvement 150 000 L.E. 11. Contents of the necessary works for **Gate Replacement** improvement 12. Existing problems of the structure Difficulty of operating the gate. 13. Material of the structure / Wood, Brick, Stone, Steal, Other Brick 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 3.40 2) Gate Width (m) 1.00 3) Number of Vent (How many ?) 1.00 4) Up stream water level EL(m) Up Stream EL39.50 5) Down stream water level EL(m) Down Stream EL39.40 6) Bed level EL(m) EL37.80 7) Gate type / Wood, Steal, Others, Nothing Steel 8) Structure condition / Excellent, Good, Bad, Already Expire Bad 9) Gate condition / Excellent, Good, Bad, Already Expire Bad 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture

16. Location
/ Also show the
Location other
MAP

1. Name	5th Gannabeyah Branch	2. Construction Year	1920
			Intake
l. Canal's name /	Main canal name	Bahr- Yu	
5. Command Area (feddan)	1,850	6. Max discharge (m³/day) or (m³/s)	222,000
. Length of Cana	4,300.0		
3. Necessary worl	Reconstruction		
9. Commencement of the necessary works for improvement			Within 5 Years
0. Cost of the ne	cessary works for improveme	n	300 000 L.E.
1. Contents of the mprovement	e necessary works for	Complete F	Reconstruction
	ems of the structure		ork properly.
3. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	Concrete
4. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		3.00
2) Gate Width (m)		2.00
3) Number of V	ent (How many ?)		1.00
4) Up stream water level EL(m)			Up Stream EL37.00
5) Down stream	water level EL(m)		Down Stream EL36.37
6) Bed level EL	(m)		EL35.82
7) Gate type / V	Vood, Steal, Others, Nothing		Steel
8) Structure con	dition / Excellent, Good, Bad, A	Iready Expire	Already Exired
9) Gate condition	on / Excellent, Good, Bad, Alread	ly Expire	Bad
10) How ofen ti	ne maintenance / every half year	r or 1 year nothing etc.	Anually
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
5. Picture 6. Location Also show the ocation other			

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EL 44.90m

Data Sheet for the Minor Structure Form 1 / For Intake

Data Sheet i	or the Minor Structur	<u>re</u> Form 1 / For Intake,	Regulator, Tail escap	Œ
1. Name	Al sharka canal	2- Construction Year	1920	
3. TypeSelect	from as follow item (In	take, Regulator, Tail	Intak	
4. Canal's name	/ Main canal name		Al sahliya cana	8 8 8
5. Command Are (feddan)	1,020	6. Max discharge (m³/day) or (m³/s)	71,400	
7. Length of Can	al downstream the structu	ıre (km)	1,758.0	
8. Necessary wo	rks for improvement / Reh	abilitation or Reconstructi	o RECONSTRUCTION	
9. Commenceme	nt of the necessary works	for improvement	5 YEAR	
	ecessary works for improv	/ement	170,000 LE	
11. Contents of t improvement	he necessary works for	Replace the gate		
	olems of the structure	Can not operate the gate f	or the deterioration	
	e structure / Wood, Brick,		Brick	
14. Question and	Dimension of the structur	re (If nothing of information	on, please write "N")	
1) Gate Height	t (m)		4,00	
2) Gate Width	(m)		2.00	
3) Number of \	/ent (How many ?)		1.00	
4) Up stream v	vater level EL(m)		Up Stream EL45.35	
5) Down strear	n water level EL(m)		#######################################	←Down Stree
6) Bed level El	_(m)		EL43.00	EL 44.9
7) Gate type /	Wood, Steal, Others, Nothin	g	Steal	
8) Structure co	ndition / Excellent, Good, Ba	ad, Already Expire	bad	
9) Gate conditi	on / Excellent, Good, Bad, A	Already Expire	bad	
10) How ofen	the maintenance / every half	f year or 1 year nothing	etc.	
11) Please writ	e remarks, if any	No)	
	Front	Тор	Side or Behind	
15. Picture 16. Location Also show the	Dahab canal on baher - Yo	osef canal		
Location other MAP		284		

1. Name	for the Minor Structure Asmant Intake	Form 1 / For Intake, Re	January, Tan escape
	- Small make	2. Construction Year	1901
4. Canal's name	/ Main canal name		Intake
5. Command Ar	ea	6. Max discharge	Bahr yosef canal km (63.45)
(feddan)	450	(m³/day) or (m³/s)	5,340
	nal downstream the structure (ki	*	2,450.0
	rks for improvement / Rehabilit		Rehabilitation
	ent of the necessary works for in		Within 5 Years
	ecessary works for improvemen	1	300 000 L.E.
11. Contents of timprovement	he necessary works for	change gates	
	plems of the structure	structure not work properly	
	e structure / Wood, Brick, Stone		Brick-Mason
	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Gate Heigh			2.70
2) Gate Width	`		3,00
	Vent (How many ?)		1.00
	vater level EL(m)		Up Stream EL39,90
	m water level EL(m)		N
6) Bed level EL(m)			EL39.10
	Wood, Steal, Others, Nothing		Steel
	ndition / Excellent, Good, Bad, Alr		Bad
	on / Excellent, Good, Bad, Already		B ad
10) How ofen	the maintenance / every half year	or 1 year nothing etc.	
11) Please writ	e remarks, if any		
	Front	Тор	Side or Behind
5. Picture			
6. Location Also show the ocation other IAP		285	

Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape 1. Name Balansora Intake 2. Construction Year 1910 3. Type --Select from as follow item-- (Intake, Regulator, Tail escape) Intake 4. Canal's name / Main canal name Bahr yosef km(67.370) 5. Command Area 6. Max discharge 250 (feddan) 3,000 (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 2.8 8. Necessary works for improvement / Rehabilitation or Reconstruction Rehabilitation 9. Commencement of the necessary works for improvement Within 4 Years 10. Cost of the necessary works for improvement 300 000 L.E. 11. Contents of the necessary works for Change gates improvement 12. Existing problems of the structure structure not work properly 13. Material of the structure / Wood, Brick, Stone, Steal, Other Mason "Brick" 44. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2.70 2) Gate Width (m) 3.00 3) Number of Vent (How many ?) 1.00 4) Up stream water level EL(m) Up Stream EL39.60 5) Down stream water level EL(m) N 6) Bed level EL(m) EL39.10 7) Gate type / Wood, Steal, Others, Nothing Steal 8) Structure condition / Excellent, Good, Bad, Already Expire Bad 9) Gate condition / Excellent, Good, Bad, Already Expire Bad 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any **Front** Top Side or Behind 15. Picture 16. Location / Also show the Location other MAP

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	-: tile itimiel Otidet	er om 1710i intake,	Regulator, Tall escape
1. Name	Deroua canal	2- Construction Year	1919
		Intake, Regulator, Tail	Intake
	/ Main canal name	Al Badraman canal	
5. Command Are (feddan)	820	6. Max discharge (m³/day) or (m³/s)	57,400
7. Length of Can	al downstream the struc	cture (km)	2,850.0
		ehabilitation or Reconstr	u RECONSTRUCTION
	nt of the necessary wor		5 YEAR
	ecessary works for impr	ovement	200,000 LE
11. Contents of the improvement	he necessary works for	Replace parts of construc	tion
12. Existing prob	lems of the structure	Failer in som parts of con	struction
	e structure / Wood, Bric		Brick
14. Question and	Dimension of the struc	ture (If nothing of inform	nation, please write "N")
1) Gate Height	(m)		1.10
2) Gate Width			
	/ent (How many ?)		1.00
	vater level EL(m)		Up Stream EL44.10
	n water level EL(m)		Down Stream EL43.75
6) Bed level EL	· · · · · · · · · · · · · · · · · · ·		EL42.64
	Nood, Steal, Others, Noth		Steal
	ndition / Excellent, Good,		bad
	on / Excellent, Good, Bad		bad
10) How ofen t	he maintenance / every h	alf year or 1 year nothin	ig etc.
11) Please write	e remarks, if any		No
	Front	Тор	Side or Behind
15. Picture			
	Dahab canal on baher -	Yosef canal	
16. Location			
Also show the			
Location other			
MAP			
		287	
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Data Sneet for	or the Minor Structure	Form 1 / For Intake, Re	gulator, Tail escape
1. Name	AL-Hagat Intake	2. Construction Year	1970
3. TypeSelect	from as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name	/ Main canal name	(]bra	himia) Serry Canal
5. Command Are (feddan)	a 430	6. Max discharge (m³/day) or (m³/s)	32,250
7. Length of Can	al downstream the structure (ki	m)	3,2
8. Necessary wo	rks for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commenceme	nt of the necessary works for ir	mprovement	Within 3 Years
	ecessary works for improvemer	nt	100 000 L.E.
11. Contents of the improvement	he necessary works for	Replace the gate	
12. Existing prob	lems of the structure	can not operate the gate for t	he deteriortion
13. Material of the	e structure / Wood, Brick, Stone	e, Steal, Other	
14. Question and	Dimension of the structure (If	nothing of information, plea	use write "N")
1) Gate Height	(m)		2.50
2) Gate Width	(m)		1.00
3) Number of \	/ent (How many ?)		1.00
4) Up stream w	vater level EL(m)		Up Stream EL33.50
5) Down strear	n water level EL(m)		Down Stream EL33.45
6) Bed level El	_(m)		EL32.20
7) Gate type / \	Wood, Steal, Others, Nothing		Steel
8) Structure co	ndition / Excellent, Good, Bad, Al	ready Expire	Bad
9) Gate conditi	on / Excellent, Good, Bad, Alread	ly Expire	Bad
10) How ofen	the maintenance / every half year	or 1 year nothing etc.	
l 11) Please writ	e remarks, if any		,
	Front	Тор	Side or Behind
15. Picture 16. Location / Also show the			
Location other		288	

	Title Millor Structure	Form 1 / For Intake, Re	gulator, Tall escape
1. Name	Al-Sheikh Telada	2. Construction Year	1970
3. TypeSelect t	rom as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name		Serry Canal
5. Command Area (feddan)	350	6. Max discharge (m³/day) or (m³/s)	26,250
7. Length of Cana	l downstream the structure (ki		0.7
8. Necessary wor	ks for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commencemer	nt of the necessary works for ir	nprovement	Within 3 Years
10. Cost of the ne	cessary works for improvemer	nt	100 000 L.E.
11. Contents of the improvement	e necessary works for	no gate in the intake	
12. Existing probl	ems of the structure	can not control in water	
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	N
44. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Gate Height			2.50
2) Gate Width (m)		1.00
3) Number of V	ent (How many ?)		1.00
4) Up stream w	ater level EL(m)		Up Stream EL36.10
5) Down stream	water level EL(m)		Down Stream EL36.00
6) Bed level EL	(m)		EL35,00
7) Gate type / V	Vood, Steal, Others, Nothing		No
8) Structure cor	dition / Excellent, Good, Bad, Al	ready Expire	Bad
9) Gate condition	on / Excellent, Good, Bad, Alread	y Expire	N
10) How ofen the	ne maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
I6. Location Also show the Location other MAP		289	

	or the Millor Structure	Form 17 Formake, Re	guiator, Tall escape
1. Name	Al_Sheikh Yousef	2. Construction Year	1980
3. TypeSelect	from as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name		Serry Canal
5. Command Area (feddan)	a 540	6. Max discharge (m³/day) or (m³/s)	13,500
7. Length of Cana	al downstream the structure (kr	n)	3,20
8. Necessary wor	ks for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commencemei	nt of the necessary works for ir	nprovement	Within 3 Years
10. Cost of the ne	cessary works for improvemen	nt	100 000 L.E.
11. Contents of the improvement	ne necessary works for	Replace the gate	
12. Existing prob	lems of the structure	can not operate the gate for t	he deteriortion
13. Material of the	e structure / Wood, Brick, Stone	e, Steal, Other	
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		2.50
2) Gate Width	(m)		1.00
3) Number of V	ent (How many ?)		1.00
4) Up stream w	rater level EL(m)		Up Stream EL35.90
5) Down stream	n water level EL(m)		Down Stream EL35,80
6) Bed level EL	.(m)		EL34.80
7) Gate type / \	Wood, Steal, Others, Nothing		Steel
8) Structure co	ndition / Excellent, Good, Bad, Al	ready Expire	Bad
9) Gate condition	on / Excellent, Good, Bad, Alread	y Expire	Bad
10) How ofen t	he maintenance / every half year	or 1 year nothing etc.	
11) Please write	e remarks, if any		T
	Front	Тор	Side or Behind
15. Picture			•
16. Location / Also show the Location other MAP		290	

		• ,	,
1. Name	Al-Sultan Hassan	2. Construction Year	1910
3. TypeSelect fi	rom as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name		Bahr yosef km (69.240)
5. Command Area (feddan)	300	6. Max discharge (m³/day) or (m³/s)	3,600
7. Length of Cana	l downstream the structure (kı	m)	2.4
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	Rehabitation
9. Commencemen	t of the necessary works for ir	mprovement	5-years
	cessary works for improvemer	nt	300,000 LE
11. Contents of th improvement	e necessary works for	Change gates	
	ems of the structure	structure not work properly	
	structure / Wood, Brick, Stone		
14. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Gate Height ((m)		2.70
2) Gate Width (m)		3,00
3) Number of Ve	ent (How many ?)		1.00
4) Up stream wa	ater level EL(m)		Up Stream EL39,80
5) Down stream	water level EL(m)		N
6) Bed level EL	(m)		EL39.00
7) Gate type / W	Vood, Steal, Others, Nothing		Steal
8) Structure con	dition / Excellent, Good, Bad, Al	ready Expire	Bad
9) Gate conditio	n / Excellent, Good, Bad, Alread	ly Expire	Bad
10) How ofen th	ne maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP			

Ganabyia Al Ashmonin Canal

Data Shee	t for the Minor Struc	Form 1 / For Intake, Reg	ulator, Tail escape
1. Name	nabyla Al Ashmonin ca		1920
3. TypeSele	ect from as follow item	(Intake, Regulator, Tail	Intake
-	ne / Main canal name	Al Dairotiya canal	
5. Command Area	1,300	6. Max discharge (m³/day) or (m³/s)	91,000
7. Length of C	anal downstream the str	ucture (km)	4,560.0
8. Necessary	works for improvement /	Rehabilitation or Reconstruct	io RECONSTRUCTION
9. Commence	ment of the necessary wo	orks for improvement	5 year
	e necessary works for im	provement	200,000 LE
11. Contents of for improvement	of the necessary works ent	Replace parts of construction	
12. Existing p	roblems of the structure	failer in some parts of construc	etion
13. Material of	the structure / Wood, Br	ick, Stone, Steal, Other	Brick
14. Question a	and Dimension of the stru	ucture (If nothing of informati	on, please write "N")
1) Gate Hei	ght (m)		3.00
2) Gate Wid	dth (m)		3.00
3) Number	of Vent (How many ?)		1.00
4) Up streai	m water level EL(m)		Up Stream EL43.90
5) Down str	eam water level EL(m)		#######################################
6) Bed level EL(m)			EL43.15
7) Gate type	e / Wood, Steal, Others, No	othing	Steal
	condition / Excellent, Goo		Bad
9) Gate con	dition / Excellent, Good, B	ad, Already Expire	Bad
10) How of	en the maintenance / every	y half year or 1 year nothing	. etc.
11) Please	write remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
	Dahab canal on baher -	Yosef canal	
16. Location / Also show the Location other MAP		292	

Ganabiya Al Manierly canal

Data Sheet for the Minor Structur Form 1 / For Intake, Regulator, Tail escape

Bata Officet 10	i the Millor Structur	<u>↑Form 1 / For Intake, Regula</u>	ator, Tail escape
1. Name	anabiya Al Maniekly can	2- Construction Year	
3. TypeSelect fi	rom as follow item (In	take, Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name	Al Badraman canal	- E
Command Area (feddan)	1,020	6. Max discharge (m³/day) or (m³/s)	71,400
7. Length of Cana	l downstream the structu	ıre (km)	6,245.0
8. Necessary work	s for improvement / Reh	abilitation or Reconstruction	RECONSTRUCTION
9. Commencemen	t of the necessary works	for improvement	5 YEAR
	cessary works for improv	vement	200,000 LE
11. Contents of the improvement	e necessary works for	Replace parts of construction	
12. Existing proble	ems of the structure	Failer in som parts of construction	1
13. Material of the	structure / Wood, Brick,	Stone, Steal, Other	Brick
14. Question and I	Dimension of the structu	re (If nothing of information, pl	ease write "N")
1) Gate Height ((m)		1.15
2) Gate Width (ı	m)		1.00
3) Number of Ve	ent (How many ?)		1.00
4) Up stream wa	ater level EL(m)		Up Stream EL44,10
5) Down stream	water level EL(m)		Down Stream EL43.50
6) Bed level EL((m)		EL42.45
7) Gate type / W	/ood, Steal, Others, Nothin	ng	Steal
8) Structure condition / Excellent, Good, Bad, Already Expire			bad
	n / Excellent, Good, Bad, A		bad
10) How ofen th	ne maintenance / every hal	f year or 1 year nothing etc.	
11) Please write	remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
ioi i locule			
16. Location Also show the	Dahab canal on baher - Y	osef canal	
_ocation other			
MAP			
		293	

Ganabyia Al Sahliya land

Data Sheet for the Minor Structi Form 1 / For Intake, Regulator, Tail escape

Data Sheet fo	or the Minor Struct	<u>(Fo</u> rm 1 / For Intake, Regulato	or, Tail escape
1. Name	anabyla Al Sahliya car	2- Construction Year	1920
3. Type <i></i> Select t	from as follow item (Intake, Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name	Al Sahliya cana	l
5. Command Area (feddan)	444	6. Max discharge (m³/day) or (m³/s)	31,080
7. Length of Cana	al downstream the struc	cture (km)	3,670.0
8. Necessary wor	ks for improvement / Re	ehabilitation or Reconstruction	RECONSTRUCTION
9. Commenceme	nt of the necessary wor	ks for improvement	5 year
10. Cost of the ne	cessary works for impi	ovement	200,000 LE
11. Contents of the for improvement	ne necessary works	Replace parts of construction	
12. Existing prob	lems of the structure	Failer in som parts of construction	
13. Material of the	e structure / Wood, Bric	k, Stone, Steal, Other	Brick
14. Question and	Dimension of the struc	ture (If nothing of information, pl	ease write "N")
1) Gate Height	(m)		2.50
2) Gate Width	(m)		1.00
3) Number of V	/ent (How many ?)		1.00
4) Up stream w	ater level EL(m)		Up Stream EL44.30
5) Down stream	n water level EL(m)		Down Stream EL43.5
6) Bed level EL	_(m)		EL42.00
7) Gate type / \	Nood, Steal, Others, Not	hing	Steal
8) Structure co	ndition / Excellent, Good,	Bad, Already Expire	Bad
9) Gate conditi	on / Excellent, Good, Bac	d, Already Expire	Bad
10) How ofen 1	the maintenance / every l	half year or 1 year nothing etc.	
11) Please writ	e remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
io. i icture			
	Dahab canal on baher	- Yosef canal	
			-
16. Location Also show the			
Location other			
MAP			
		294	

	The Millor Structure	FORM 1 / For Intake, Re	guiator, Tail escape
1. Name	Mabrouk Intake	2. Construction Year	1902
			Intake
	Main canal name		Bahr yosef canal km (75,380
5. Command Area (feddan)	350	6. Max discharge (m³/day) or (m³/s)	4,200
	al downstream the structure (kr		3.4
8. Necessary wor	ks for improvement / Rehabilita	ation or Reconstruction	Rahabilitation
	nt of the necessary works for in		Within 5 Years
	cessary works for improvemer	1	300 000 L.E.
11. Contents of the improvement	ne necessary works for	change gates	
12. Existing probl	lems of the structure	structure not work properly	
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		2.70
2) Gate Width ((m)		3,00
3) Number of V	ent (How many ?)		1.00
4) Up stream w	ater level EL(m)		Up Stream EL39.75
5) Down stream	ı water level EL(m)		N
6) Bed level EL	(m)		EL38.40
7) Gate type / V	Vood, Steal, Others, Nothing		Steel
8) Structure cor	ndition / Excellent, Good, Bad, Alı	ready Expire	Bad
9) Gate condition	on / Excellent, Good, Bad, Alread	y Expire	B ad
10) How ofen ti	he maintenance / every half year	or 1 year nothing etc.	Anually
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		295	

	er the Miller Ctructur	<u>c ronn i / For intake, Regu</u>	lator, I all escape
1. Name	Mahmoud canal	2- Construction Year	1917
3. TypeSelect	from as follow item (Int	take, Regulator, Tail escape)	Intake
4. Canal's name	/ Main canal name	Al Badraman canal	
5. Command Are (feddan)	ea 880	6. Max discharge (m³/day) or (m³/s)	61,600
7. Length of Car	al downstream the structu	re (km)	7,303.0
8. Necessary wo	rks for improvement / Reha	abilitation or Reconstruction	RECONSTRUCTION
9. Commenceme	nt of the necessary works	for improvement	3 year
	ecessary works for improv	ement	200,000 LE
11. Contents of t improvement	he necessary works for	Replace parts of construction	- I
12. Existing prob	plems of the structure	Failer in som parts of constructio	n
13. Material of th	e structure / Wood, Brick, §	Stone, Steal, Other	Brick
14. Question and	Dimension of the structur	e (If nothing of information, plea	ase write "N")
1) Gate Heigh		•	1.60
2) Gate Width	(m)		1.10
3) Number of V	/ent (How many ?)		1.00
4) Up stream v	vater level EL(m)		Up Stream EL44.50
5) Down strear	n water level EL(m)		Down Stream EL44.35
6) Bed level El	_(m)		EL42.60
7) Gate type /	Wood, Steal, Others, Nothing	J	Steal
8) Structure co	ndition / Excellent, Good, Ba	d, Already Expire	already expire
9) Gate conditi	on / Excellent, Good, Bad, Al	Iready Expire	bad
10) How ofen	the maintenance / every half	year or 1 year nothing etc.	
	e remarks, if any	No	I
	Front	Тор	Side or Behind
15. Picture			
io. i icture			
	Dahab canal on baher - Yo	sef canal	
16. Location Also show the			
_ocation other			
MAP			
		296	

Data Sheet t	or the Minor Structure	Form 1 / For Intake, Re	gulator, Tail escape
1. Name	Moussa	2. Construction Year	1901
3. TypeSelect	from as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name	/ Main canal name		Bahr yosef
5. Command Are (feddan)	ea 450	6. Max discharge (m³/day) or (m³/s)	5,400
7. Length of Can	al downstream the structure (ki		2.5
8. Necessary wo	rks for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commenceme	nt of the necessary works for ir	nprovement	Within 5 Years
	ecessary works for improvemer	nt	300 000 L.E.
11. Contents of t improvement	he necessary works for	Change intake	
	lems of the structure	completely reconstruction	
	e structure / Wood, Brick, Stone		Brick
44. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Gate Height	(m)		2.00
2) Gate Width	(m)		2.00
3) Number of \	/ent (How many ?)		1,00
4) Up stream v	vater level EL(m)		Up Stream EL39,70
5) Down strear	n water level EL(m)		Down Stream EL29.80
6) Bed level El	_(m)		EL39.10
7) Gate type / \	Wood, Steal, Others, Nothing		Steel
8) Structure co	ndition / Excellent, Good, Bad, Alr	eady Expire	Bad
9) Gate conditi	on / Excellent, Good, Bad, Alread	y Expire	Bad
10) How ofen 1	the maintenance / every half year	or 1 year nothing etc.	Anually
11) Please writ	e remarks, if any		<u> </u>
	Front	Тор	Side or Behind
15. Picture			
6. Location Also show the ocation other MAP		297	

<u>= 414 01100110</u>	or the Miller Ottablate	Tomin Tri of lintake, Te	galator, rail escape
1. Name	Nasser Feeder	2. Construction Year	1936
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name		Dahab canal
5. Command Area (feddan)	250	6. Max discharge (m³/day) or (m³/s)	3,000
7. Length of Cana	al downstream the structure (k	m)	1.7
8. Necessary wor	ks for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commencemer	nt of the necessary works for in	nprovement	Within 5 Years
10. Cost of the ne	cessary works for improveme	n	250 000 L.E.
11. Contents of thimprovement	ne necessary works for	Complete I	Reconstruction
12. Existing prob	lems of the structure	Do not w	ork properly.
13. Material of the	e structure / Wood, Brick, Ston	e, Steal, Other	Concrete
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		2.50
2) Gate Width	(m)		1.20
3) Number of V	ent (How many ?)		1,00
4) Up stream w	rater level EL(m)		Up Stream EL31.90
5) Down stream	n water level EL(m)		N
6) Bed level EL	.(m)		EL30.40
7) Gate type / \	Wood, Steal, Others, Nothing		Steel
8) Structure co	ndition / Excellent, Good, Bad, A	Iready Expire	Already Expired
9) Gate condition	on / Excellent, Good, Bad, Alread	dy Expire	Bad
10) How ofen t	he maintenance / every half year	r or 1 year nothing etc.	
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location Also show the			
Location other			
MAP			
		298	

Data Officer ic	ine Minor Structure	Form 1 / For Intake, Re	egulator, Tall escape
1. Name	North Bahnasa canal	2. Construction Year	1908
			Intake
4. Canal's name /	Main canal name		Bahr yosef - sabaa canal
5. Command Area (feddan)	2,100	6. Max discharge (m³/day) or (m³/s)	25,200
7. Length of Cana	l downstream the structure (k	m)	4.8
8. Necessary worl	ks for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commencemer	nt of the necessary works for i	mprovement	5-years
	<u> </u>	n	450 000 L.E.
	e necessary works for	change gates and mechanica	al system
12. Existing probl	ems of the structure	structure not work properly	
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	concrete
14. Question and	Dimension of the structure (If	nothing of information, ple	ase write "N")
1) Gate Height	(m)		3.00
2) Gate Width (m)		1.60
3) Number of V	ent (How many ?)		2.00
4) Up stream w	ater level EL(m)		Up Stream EL32.40
5) Down stream	water level EL(m)		Down Stream EL31.60
6) Bed level EL	(m)		EL31.20
7) Gate type / V	Vood, Steal, Others, Nothing		Steel
8) Structure cor	ndition / Excellent, Good, Bad, A	ready Expire	Already Expire
9) Gate condition	on / Excellent, Good, Bad, Alread	ly Expire	B ad
10) How ofen t	he maintenance / every half yea	or 1 year nothing etc.	
11) Please write	e remarks, if any		P
	Front	Тор	Side or Behind
15 Dioturo			
is. Ficture			
4. Canal's name / Main canal name 5. Command Area (feddan) 7. Length of Canal downstream the structure (km) 8. Necessary works for improvement / Rehabilitati 9. Commencement of the necessary works for improvemen 10. Cost of the necessary works for improvemen 11. Contents of the necessary works for improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, 14. Question and Dimension of the structure (If n 1) Gate Height (m) 2) Gate Width (m) 3) Number of Vent (How many?) 4) Up stream water level EL(m) 5) Down stream water level EL(m) 6) Bed level EL(m) 7) Gate type / Wood, Steal, Others, Nothing 8) Structure condition / Excellent, Good, Bad, Already 10) How ofen the maintenance / every half year o 11) Please write remarks, if any			
			-t
		299	

1. Name	Om El Kousour canal	2- Construction Year	1919
3. TypeSelect		ake, Regulator, Tail escape)	Intake
4. Canal's name	Main canal name	Al Badraman canal	mac
5. Command Are (feddan)	a 1,395	6. Max discharge	97,650
7. Length of Can	al downstream the structu		5,560.0
8. Necessary wo	ks for improvement / Reha	bilitation or Reconstruction	RECONSTRUCTION
9. Commenceme	nt of the necessary works	for improvement	5 YEAR
10. Cost of the ne	ecessary works for improv	ement	200,000 LE
11. Contents of the improvement	he necessary works for	Replace parts of construction	
12. Existing prob	lems of the structure	Failer in som parts of construct	ion
13. Material of the	e structure / Wood, Brick, S	Stone, Steal, Other	Brick
14. Question and	Dimension of the structur	e (If nothing of information, p	lease write "N")
1) Gate Height	(m)		1.60
2) Gate Width	(m)		1.20
3) Number of \	/ent (How many ?)		1.00
4) Up stream w	vater level EL(m)		Up Stream EL44.10
5) Down stream	n water level EL(m)		Down Stream EL43.60
6) Bed level EL	_(m)		EL42.45
	Wood, Steal, Others, Nothing		Steal
	ndition / Excellent, Good, Ba		bad
	on / Excellent, Good, Bad, A		bad
10) How ofen t	he maintenance / every half	year or 1 year nothing etc.	
11) Please writ	e remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture		Badraman canal Max discharge (m³/day) or (m³/s) (km) litation or Reconstruction r improvement eplace parts of construction one, Steal, Other If nothing of information, please Already Expire ady Expire ear or 1 year nothing etc.	
	6.1.1		
	Dahab canal on baher - Yo	oset canal	
6. Location			
Also show the			
Location other			
		300	

Bata Oncot ic	ine Minor Structure	Form 1 / For Intake, Re	gulator, Tail escape
1. Name	Raheil intake	2. Construction Year	1902
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name /			Dahab canal km (0.4)
5. Command Area (feddan)	1,000	6. Max discharge (m³/day) or (m³/s)	12,000
7. Length of Cana	l downstream the structure (kr	m)	2.5
8. Necessary worl	s for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commencement of the necessary works for improvement		5-years	
	cessary works for improvemer	nt	300,000 LE
11. Contents of th improvement	e necessary works for	Change gates	
	ems of the structure	gates not work properly	
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Mason Bricks
14. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Gate Height	(m)		2.70
2) Gate Width (m)		3,00
3) Number of V	ent (How many ?)		1.00
4) Up stream wa	ater level EL(m)		Up Stream EL39.00
5) Down stream	water level EL(m)		Down Stream EL38.00
6) Bed level EL	(m)		EL37.00
7) Gate type / W	lood, Steal, Others, Nothing		Steel
8) Structure con	dition / Excellent, Good, Bad, Ali	ready Expire	Bad
9) Gate conditio	n / Excellent, Good, Bad, Alread	y Expire	Bad
10) How ofen th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		301	

	Tario ivilitor Otractare	Tomi i / Foi intake, Re	guiator, rail escape
1. Name	Sakiet Dakouf	2. Construction Year	1910
			Intake
4. Canal's name /			Dahab canal km (49.74)
5. Command Area (feddan)	350	6. Max discharge (m³/day) or (m³/s)	4,200
	downstream the structure (ki		3.8
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commencemen	t of the necessary works for ir	mprovement	5-years
	cessary works for improvemer	1	190 000 L.E.
11. Contents of the improvement	e necessary works for	chan	ge gates
12. Existing proble	ems of the structure	structure no	t work properly
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	concrete
14. Question and I	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Gate Height (m)		2.70
2) Gate Width (r	n)		1.60
3) Number of Ve	ent (How many ?)		1.00
4) Up stream wa	ter level EL(m)		Up Stream EL35.20
5) Down stream	water level EL(m)		Down Stream EL34.10
6) Bed level EL(m)		EL34.55
7) Gate type / W	ood, Steal, Others, Nothing		Steel
8) Structure con	dition / Excellent, Good, Bad, Ali	ready Expire	Bad
	n / Excellent, Good, Bad, Alread		B ad
10) How ofen th	e maintenance / every half year	or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
· 			
6. Location Also show the ocation other AAP		302	

Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape 1. Name taheir intake 2. Construction Year 1908 3. Type --Select from as follow item--(Intake, Regulator, Tail escape) Intake 4. Canal's name / Main canal name Bahab canal -Dawood main canal 5. Command Area 6. Max discharge 200 (feddan) 2,420 (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 0.9 8. Necessary works for improvement / Rehabilitation or Reconstruction Recontruction Commencement of the necessary works for improvement 5-years 10. Cost of the necessary works for improvement 300,000 LE 11. Contents of the necessary works for Change gates improvement 12. Existing problems of the structure gates not work properly 13. Material of the structure / Wood, Brick, Stone, Steal, Other Bricks 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2.40 2) Gate Width (m) 1.00 3) Number of Vent (How many ?) 1.00 4) Up stream water level EL(m) Up Stream EL37.20 5) Down stream water level EL(m) 36,80 6) Bed level EL(m) EL36.30 7) Gate type / Wood, Steal, Others, Nothing Steel 8) Structure condition / Excellent, Good, Bad, Already Expire Bad 9) Gate condition / Excellent, Good, Bad, Already Expire Bad 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture 16. Location Also show the Location other MAP

303

Bata Officet ic	i the Minor Structure	Form 1 / For Intake, Re	gulator, I all escape
1. Name	Tambo intake	2. Construction Year	1970
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	intake
4. Canal's name /	Main canal name		Ebrahemia canale / serry cana
Command Area (feddan)	400	6. Max discharge (m³/day) or (m³/s)	30,000
7. Length of Cana	l downstream the structure (k	m)	2.4
8. Necessary works for improvement / Rehabilitation or Reconstruction		Rehabilitation	
9. Commencemer	nt of the necessary works for i	mprovement	after 3 year (2013)
	cessary works for improveme	nt	100000LE
11. Contents of the improvement	e necessary works for	Replace the gate	
12. Existing probl	ems of the structure	can not operate the gate for t	he deteriortion
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		2.50
2) Gate Width (m)		1.00
3) Number of V	ent (How many ?)		1.00
4) Up stream w	ater level EL(m)		Up Stream EL33.30
5) Down stream	ı water level EL(m)		Down Stream EL33.25
6) Bed level EL	(m)		EL32.20
7) Gate type / V	Vood, Steal, Others, Nothing		steel
8) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	selection Bad
9) Gate condition	on / Excellent, Good, Bad, Alread	dy Expire	selection Bad
10) How ofen to	he maintenance / every half yea	r or 1 year nothing etc.	
11) Please write	e remarks, if any		P
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		304	

The Left Dairolyia Cana Data Sheet for the Minor Struct Form 1 / For Intake, Regulator, Tail

Data Sheet i	or the Minor Struc	Form 1 / For Intake, Regula	ator, Tail escape
1. Name	he Left Dairotyia can	~	1922
3. TypeSelect	from as follow item	(Intake, Regulator, Tail escape) Intake
4. Canal's name	/ Main canal name	The west hafeze canal	
5. Command Are (feddan)	2,000	6. Max discharge (m³/day) or (m³/s)	140,000
7. Length of Can	al downstream the stru		6,100.0
8. Necessary wo	rks for improvement / F	Rehabilitation or Reconstruction	RECONSTRUCTION
9. Commenceme	nt of the necessary wo	rks for improvement	3 year
	ecessary works for imp	rovement	250,000 LE
11. Contents of t for improvement	he necessary works	Replace parts of construction and	gates
	lems of the structure	Can not operate the gate for the c some parts of construction	leterioration andfailer in
	e structure / Wood, Brid		Brick
14. Question and	Dimension of the struc	cture (If nothing of information,	please write "N")
1) Gate Height	(m)		2.70
2) Gate Width	(m)	· · · · · · · · · · · · · · · · · · ·	2.00
3) Number of \	/ent (How many ?)		1.00
4) Up stream v	vater level EL(m)		Up Stream EL41.10
5) Down strear	n water level EL(m)		Down Stream EL40.90
6) Bed level El	_(m)		EL39.30
7) Gate type / \	Wood, Steal, Others, Not	hing	Steal
8) Structure co	ndition / Excellent, Good	, Bad, Already Expire	Already expire
9) Gate conditi	on / Excellent, Good, Bad	d, Already Expire	Already expire
10) How ofen 1	he maintenance / every	half year or 1 year nothing etc	
11) Please writ	e remarks, if any	No	
	Front	Тор	Side or Behind
5. Picture			
	Dahab canal on baher	- Yosef canal	
6. Location Also show the ocation other IAP		305	

The Right bairotyia Canal

Data Sheet for the Minor Struct Form 1 / For In	ntake. Regulator, Tail escape
	mante, regulater, rail eccape

Data Sneet to	<u>ı trie iviinor Struct</u>	<u>t Fo</u> rm 1 / For Intake, Regulato	or, Tail escape
1. Name	he Right Dairotyia car	2- Construction Year	
3. TypeSelect f	rom as follow item	(Intake, Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name	The west hafeze canal	-
5. Command Area (feddan)	750	6. Max discharge (m³/day) or (m³/s)	52,500
7. Length of Cana	l downstream the stru	cture (km)	4,480.0
8. Necessary work	s for improvement / R	ehabilitation or Reconstruction	RECONSTRUCTION
9. Commencemen	t of the necessary wor	ks for improvement	3 year
	cessary works for imp	rovement	250,000 LE
11. Contents of th for improvement	e necessary works	Replace parts of construction	
12. Existing probl	ems of the structure	failer in some parts of construction	
13. Material of the	structure / Wood, Brid	k, Stone, Steal, Other	Brick
14. Question and	Dimension of the struc	ture (If nothing of information, ple	ease write "N")
1) Gate Height	(m)		2.30
2) Gate Width (m)		2.00
3) Number of V	ent (How many ?)		1.00
4) Up stream wa	ater level EL(m)		Up Stream EL41.10
5) Down stream	water level EL(m)		Down Stream EL40.65
6) Bed level EL	(m)		EL39.85
7) Gate type / V	Vood, Steal, Others, Not	hing	Steal
8) Structure con	dition / Excellent, Good,	, Bad, Already Expire	Already expire
9) Gate conditio	n / Excellent, Good, Bac	d, Already Expire	Already expire
10) How ofen th	ne maintenance / every l	half year or 1 year nothing etc.	
11) Please write	remarks, if any	No	_
	Front	Тор	Side or Behind
15. Picture			
	Dahab canal on baher	- Yosef canal	
16. Location Also show the			
ocation other			
VIAP			
		306	

1. Name	ne West Rayramon car	2- Construction Year	1918
3. TypeSelect fr	om as follow item	(Intake, Regulator, Tail	Intake
4. Canal's name / N	Main canal name	Al Sahliya canal	
5. Command Area (feddan)	1,750	6. Max discharge (m³/day) or (m³/s)	122,500
7. Length of Canal	downstream the stru	cture (km)	0.9
8. Necessary work	s for improvement / R	ehabilitation or Reconstructio	n RECONSTRUCTION
9. Commencement	t of the necessary wor	ks for improvement	5 year
10. Cost of the ned	essary works for imp	rovement	200,000 LE
11. Contents of the for improvement	e necessary works	Replace parts of construction	
12. Existing proble	ems of the structure	Failer in som parts of constructi	on
13. Material of the	structure / Wood, Brid	ck, Stone, Steal, Other	Brick
14. Question and I	Dimension of the struc	cture (If nothing of information	n, please write "N")
1) Gate Height (m)		3.10
2) Gate Width (r	n)		2.10
3) Number of Ve	ent (How many ?)		1.00
4) Up stream wa	ater level EL(m)		Up Stream EL44.65
5) Down stream	water level EL(m)		Down Stream EL44.30
6) Bed level EL((m)		EL42.35
7) Gate type / W	lood, Steal, Others, No	thing	Steal
8) Structure con	dition / Excellent, Good	l, Bad, Already Expire	Bad
9) Gate conditio	n / Excellent, Good, Ba	d, Already Expire	Bad
10) How ofen th	ne maintenance / every	half year or 1 year nothing	etc.
11) Please write	remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
To. 1 lotale			
	Dahab canal on baher	- Yosef canal	
16. Location / Also show the			
Location other			
MAP			

Data Sheet fo	r the Minor Structure	Form 1 / For Intake, Re	gulator, Tail escape
1. Name	East Desout	2. Construction Year	
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	Intake
4. Canal's name /	Main canal name		Ebraheemeyya
5. Command Area (feddan)	1200 feddum	6. Max discharge (m³/day) or (m³/s)	138 m³ / sec
7. Length of Cana	I downstream the structure (k	m)	3.870 Km
8. Necessary work	s for improvement / Rehabilit	ation or Reconstruction	Recontruction
9. Commencemen	t of the necessary works for i	mprovement	Within 5 Years
	cessary works for improveme	nt	.L.E Y
11. Contents of th improvement	e necessary works for	Completet Reconstruction	
	ems of the structure	Do not work properly	
-	structure / Wood, Brick, Ston		
14. Question and	Dimension of the structure (If	f nothing of information, plea	se write "N")
1) Gate Height (N
2) Gate Width (•		N
1	ent (How many ?)		N
4) Up stream wa	• •		N
1	water level EL(m)		N
6) Bed level EL	•		N
	Vood, Steal, Others, Nothing		N
	dition / Excellent, Good, Bad, A	•	N
Ī	n / Excellent, Good, Bad, Alread		N
10) How ofen th	ne maintenance / every half yea	r or 1 year nothing etc.	Anually
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		308	

Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape 1. Name Barbakh Bani Mazar 2. Construction Year 1970 3. Type --Select from as follow item-- (Intake, Regulator, Tail escape) Intake 4. Canal's name / Main canal name Ebraheemeyya 5. Command Area 6. Max discharge 1400 Feddan 4500 m³ / day (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 4.170 Km 8. Necessary works for improvement / Rehabilitation or Reconstruction Recontruction 9. Commencement of the necessary works for improvement 3 years 10. Cost of the necessary works for improvement 150 000 L.E. 11. Contents of the necessary works for **Complete Reconstruction** improvement 12. Existing problems of the structure Do not work properly 13. Material of the structure / Wood, Brick, Stone, Steal, Other **Brick** 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2.00 m 2) Gate Width (m) 2.00 m 3) Number of Vent (How many ?) 1 4) Up stream water level EL(m) 35.40 m 5) Down stream water level EL(m) 35,35 m 6) Bed level EL(m) 33.95 m 7) Gate type / Wood, Steal, Others, Nothing Steal 8) Structure condition / Excellent, Good, Bad, Already Expire Good 9) Gate condition / Excellent, Good, Bad, Already Expire Good 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 1 Year 11) Please write remarks, if any Front Top Side or Behind 15. Picture 16. Location Also show the Location other MAP 309

Data Officet for	the Minor Structure	Form 1 / For Intake, Re	guiator, Tan escape
1. Name	Abu Hashima	2. Construction Year	1904
			Regulator
4. Canal's name / l	Main canal name		Menshat Al-Dahab
5. Command Area (feddan)	3,700	6. Max discharge (m³/day) or (m³/s)	44,400
7. Length of Canal	downstream the structure (k	m)	9.1
8. Necessary work	s for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commencement	t of the necessary works for i	mprovement	5-years
10. Cost of the ned	cessary works for improveme	n	400 LE
11. Contents of the improvement	e necessary works for	Complete F	Reconstruction
12. Existing proble	ems of the structure	Don't we	ork properly
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	
14. Question and I	Dimension of the structure (I	f nothing of information, plea	ase write "N")
1) Gate Height (m)		3.00
2) Gate Width (ı	m)		1.70
3) Number of Ve	ent (How many ?)		1.00
4) Up stream wa	ater level EL(m)		Up Stream EL35,40
5) Down stream	water level EL(m)		Down Stream EL35,20
6) Bed level EL((m)		EL34.10
7) Gate type / W	lood, Steal, Others, Nothing		Steel
8) Structure con	dition / Excellent, Good, Bad, A	Iready Expire	Bad
9) Gate conditio	n / Excellent, Good, Bad, Alrea	dy Expire	Good
10) How ofen th	ne maintenance / every half yea	ır or 1 year nothing etc.	
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
			-1
16. Location / Also show the Location other MAP			

Data Sheet it	ine iviinor Structure	Form 1 / For Intake, Regu	lator, I all escape
1. Name	Al Maniekly regulator	2- Construction Year	1919
3. TypeSelect f	rom as follow item (Int	ake, Regulator, Tail escape)	Regulator
	Main canal name		Al Badraman cana
5. Command Area (feddan)	1,930	6. Max discharge (m³/day) or (m³/s)	135,100
7. Length of Cana	l downstream the structu	re (km)	12,290.0
8. Necessary wor	ks for improvement / Reha	abilitation or Reconstruction	RECONSTRUCTION
9. Commencemer	nt of the necessary works	for improvement	5 YEAR
	cessary works for improv	ement	200,000 LE
11. Contents of thimprovement	ne necessary works for	Replace parts of construction	
12. Existing probl	lems of the structure	Faller in som parts of construct	ion
13. Material of the	structure / Wood, Brick,	Stone, Steal, Other	Brick
14. Question and	Dimension of the structur	e (If nothing of information,	please write "N")
1) Gate Height	(m)		1.80
2) Gate Width ((m)		1.20
3) Number of V	ent (How many ?)		1.00
4) Up stream w	ater level EL(m)		Up Stream EL44.10
5) Down stream	n water level EL(m)		#######################################
6) Bed level EL	.(m)		EL42.25
7) Gate type / V	Wood, Steal, Others, Nothin	g	Steal
8) Structure cor	ndition / Excellent, Good, Ba	ad, Already Expire	bad
9) Gate condition	on / Excellent, Good, Bad, A	Iready Expire	bad
10) How ofen t	he maintenance / every half	year or 1 year nothing etc	
11) Please write	e remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
	Dahab canal on baher - Y	osef canal	
16. Location Also show the			
Location other			
MAP			
		20	
		311	

1. Name Al Sahala Regulator 2- Construction Year 2012 3. TypeSelect from as follow item (Intake, Regulator, Tail escape) Regulator 4. Canal's name / Main canal name The East hafeze canal 5. Command Area (feddan) 2,200 (m³/day) or (m³/s) 154,000 7. Length of Canal downstream the structure (km) 3,300.0	tor
4. Canal's name / Main canal name The East hafeze canal 5. Command Area (feddan) 2,200 (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) The East hafeze canal (m³/day) or (m³/s) 3,300.0	tor
5. Command Area (feddan) 2,200 6. Max discharge (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 3,300.0	tor
(feddan) 2,200 (m³/day) or (m³/s) 154,000 7. Length of Canal downstream the structure (km) 3,300.0	tor
	tor
	tor
8. Necessary works for improvement / Rehabilitation or Reconstruction New Regula	
9. Commencement of the necessary works for improvement 2 year	
10. Cost of the necessary works for improvement 250,000 LE	WWW. Committee C
11. Contents of the necessary works for improvement	
12. Existing problems of the structure Redistrpution discharge	
13. Material of the structure / Wood, Brick, Stone, Steal, Other Other	
14. Question and Dimension of the structure (If nothing of information, please write "N	۷")
1) Gate Height (m)	
2) Gate Width (m)	
3) Number of Vent (How many ?) 1.00	
4) Up stream water level EL(m)	L40.90
5) Down stream water level EL(m) Down Stream	n EL40.70
6) Bed level EL(m) EL39:00	
7) Gate type / Wood, Steal, Others, Nothing Steal	
8) Structure condition / Excellent, Good, Bad, Already Expire	
9) Gate condition / Excellent, Good, Bad, Already Expire	
10) How ofen the maintenance / every half year or 1 year nothing etc.	
11) Please write remarks, if any	
Front Top Side o	r Behind
15. Picture	
Dahab canal on baher - Yosef canal	
16. Location	
/ Also show the	
Location other MAP	
WAF	
312	

		Treffin 171 of Intake, 140ga	iator, ran cocape
1. Name	Al Sahliya canal	2- Construction Year	1918
3. TypeSelect	from as follow item	(Intake, Regulator, Tail	Regulator
4. Canal's name	/ Main canal name		Al Sahliya cana
5. Command Area	3,224	6. Max discharge (m³/day) or (m³/s)	225,680
7. Length of Can	al downstream the st	ructure (km)	7,030.0
8. Necessary wo	rks for improvement /	Rehabilitation or Reconstructi	on RECONSTRUCTION
9. Commenceme	nt of the necessary w	orks for improvement	5 year
	ecessary works for in	provement	250,000 LE
Contents of t for improvement	he necessary works	Replace parts of construction	and gates
12. Existing prob	lems of the structure	Can not operate the gate for the faller in construction	ne deterioration and
13. Material of th	e structure / Wood, B	rick, Stone, Steal, Other	Brick
14. Question and	Dimension of the str	ucture (If nothing of information	on, please write "N")
1) Gate Height	t (m)		4.40
2) Gate Width	(m)		2.55
3) Number of \	Vent (How many ?)		1.00
4) Up stream v	vater level EL(m)		Up Stream EL44.60
5) Down strear	m water level EL(m)		#######################################
6) Bed level El	L(m)		EL41.00
7) Gate type /	Wood, Steal, Others, N	lothing	Steal
8) Structure co	ondition / Excellent, Go	od, Bad, Already Expire	Already expier
9) Gate conditi	ion / Excellent, Good, E	Bad, Already Expire	Bad
10) How ofen	the maintenance / eve	y half year or 1 year nothing	. etc.
11) Please writ	te remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
13. Ficture			
	Dahab canal on baher	- Yosef canal	
16. Location			
/ Also show the Location other			
MAP			
		313	

Data Office	CIOI LIIE IVIIIIOI C	From 17 For Intake, Regulator,	ı alı escape
1. Name	Al Tahfeef Drain	2- Construction Year	1918
3. TypeSele	ct from as follow ite	em (Intake, Regulator, Tail escape	Regulator -(Tail escape
	ne / Main canal name	Al Sahliya canal	
5. Command Area		6. Max discharge (m³/day) or (m³/s)	
7. Length of C	anal downstream th	e structure (km)	1,200.0
8. Necessary v	vorks for improveme	ent / Rehabilitation or Reconstruction	RECONSTRUCTION
9. Commencei	nent of the necessa	ry works for improvement	5 years
	necessary works fo	or improvement	300,000 LE
11. Contents o works for imp	of the necessary rovement	Replace parts of construction	
12. Existing pr structure	oblems of the	failer in some parts of construction	
13. Material of	the structure / Woo	d, Brick, Stone, Steal, Other	Brick
14. Question a	nd Dimension of the	e structure (If nothing of information,	please write "N")
1) Gate Hei	ght (m)		4.50
2) Gate Wid	lth (m)		3.00
3) Number (of Vent (How many ?)		2.00
4) Up strear	m water level EL(m)		Up Stream EL44.30
5) Down str	eam water level EL(m	n)	Down Stream EL44.15
6) Bed level EL(m)			EL41.10
7) Gate type	e / Wood, Steal, Othe	rs, Nothing	Wood
8) Structure	condition / Excellent,	Good, Bad, Already Expire	Bad
		od, Bad, Already Expire	Bad
10) How ofe	n the maintenance /	every half year or 1 year nothing etc	Э,
11) Please v	write remarks, if any	No	
	Front	Тор	Side or Behind
15. Picture			
	Dahab canal on bal	ner - Yosef canal	
16. Location Also show the Location other MAP			
		314	

Data Officer ic	Title Millor Structure	Form 17 For Intake, Re	guiator, rail escape
1. Name	Ban Al-Alam Branch	2. Construction Year	1950
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	Regulator
4. Canal's name /	Main canal name		Ebraheemeyya
5. Command Area (feddan)	1000 Feddan	6. Max discharge (m³/day) or (m³/s)	900 m ³ / day
7. Length of Cana	l downstream the structure (kn	n)	4.560 Km
8. Necessary works for improvement / Rehabilitation or Reconstruction			Rehabilitation
9. Commencemer	nt of the necessary works for in	nprovement	3 years
	cessary works for improvemen	t	150 000 L.E.
11. Contents of the improvement	ne necessary works for	Gate Ro	eplacement
12. Existing prob	ems of the structure	Gate do no	t work properly
13. Material of the	structure / Wood, Brick, Stone	, Steal, Other	Steal
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		1.00 m
2) Gate Width	(m)		1.00 m
3) Number of V	ent (How many ?)		1
4) Up stream w	ater level EL(m)		32,20 m
5) Down stream	n water level EL(m)		32.10 m
6) Bed level EL(m)			30.60 m
7) Gate type / Wood, Steal, Others, Nothing			Steal
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate condition	on / Excellent, Good, Bad, Alread	y Expire	Bad
10) How ofen t	he maintenance / every half year	or 1 year nothing etc.	1 Year
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
10. I letale			
.,			
16. Location / Also show the			
Location other			
MAP			
		315	

Data Officet 10	the Millor Structure	Form / Formake, Re	guiator, rail escape
1. Name	East Aba Canal	2. Construction Year	1975
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Regulator
4. Canal's name / I	Main canal name		Ebraheemeyya
5. Command Area (feddan)	2500 Feddan	6. Max discharge (m³/day) or (m³/s)	1000 m ³ / day
7. Length of Cana	downstream the structure (kn	n)	5.64 Km
8. Necessary work	s for improvement / Rehabilita	tion or Reconstruction	Rehabilitation
9. Commencemen	t of the necessary works for in	nprovement	3 years
10. Cost of the ned	cessary works for improvemen	t	200 000 L.E.
11. Contents of the improvement	e necessary works for	Gate Re	eplacement
12. Existing proble	ems of the structure	Gate don't	work properly
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Steal
14. Question and I	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height ((m)		1.5 m
2) Gate Width (n)		1.00 m
3) Number of Ve	ent (How many ?)		1
4) Up stream wa	ater level EL(m)		33.60 m
5) Down stream	water level EL(m)		33.50 m
6) Bed level EL(m)			32.80 m
7) Gate type / Wood, Steal, Others, Nothing		Steal	
8) Structure condition / Excellent, Good, Bad, Already Expire			Bad
9) Gate conditio	n / Excellent, Good, Bad, Alread	y Expire	Bad
10) How ofen th	ne maintenance / every half year	or 1 year nothing etc.	1 Year
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		316	

Data Sheet it	i the Minor Structure	Form 1 / For Intake, Re	guiator, I ail escape
1. Name	Abu Hassiba Canal	2. Construction Year	1950
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	
4. Canal's name /	Main canal name		Ebraheemeyya
5. Command Area (feddan)	600 Feddan	6. Max discharge (m³/day) or (m³/s)	
7. Length of Cana	l downstream the structure (kr	n)	12.2 Km
8. Necessary worl	cs for improvement / Rehabilita	ation or Reconstruction	Recontruction
9. Commencemen	t of the necessary works for in	nprovement	5 years
10. Cost of the ne	cessary works for improvemer	nt	500 000 L.E.
11. Contents of th improvement	e necessary works for	Complete	Recontruction
12. Existing probl	ems of the structure		usual water level in feeding anal.
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		2,5 m
2) Gate Width (m)		2.6 m
3) Number of V	ent (How many ?)		1
4) Up stream w	ater level EL(m)		36.50 m
5) Down stream	water level EL(m)		36.40 m
6) Bed level EL	(m)		34.80
7) Gate type / V	Vood, Steal, Others, Nothing		Steal
8) Structure cor	dition / Excellent, Good, Bad, Al	ready Expire	Good
9) Gate condition	on / Excellent, Good, Bad, Alread	y Expire	Good
10) How ofen t	ne maintenance / every half year	or 1 year nothing etc.	1 Year
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP			

Data Sneet for	the Minor Structure	Form 1 / For Intake, Reg	ulator, Tail escape
1. Name	Al-Gendeyya Canal	2. Construction Year	1950
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Regulator
4. Canal's name / N	Main canal name		Ebraheemeyya Canal
5. Command Area (feddan)	1000 Feddan	6. Max discharge (m³/day) or (m³/s)	1000 m ³ / day
7. Length of Canal	downstream the structure (kr	n)	4.120 Km
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commencement	of the necessary works for in	nprovement	3 years
	essary works for improvemer	nt ·	150 000 L.E.
11. Contents of the improvement	e necessary works for	Gate Rep	placement
12. Existing proble	ems of the structure	Gate do not	work properly
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Steal
14. Question and [Dimension of the structure (If	nothing of information, pleas	se write "N")
1) Gate Height (m)		2.00 m
2) Gate Width (r	n)		1.5 m
3) Number of Ve	ent (How many ?)		1
4) Up stream wa	ter level EL(m)		33.00 m
5) Down stream	water level EL(m)		32.90 m
6) Bed level EL(m)		30.30 m
7) Gate type / W	ood, Steal, Others, Nothing		Steal
8) Structure condition / Excellent, Good, Bad, Already Expire		ready Expire	Bad
9) Gate condition	n / Excellent, Good, Bad, Alread	y Expire	Bad
10) How ofen th	e maintenance / every half year	or 1 year nothing etc.	1 Year
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
46 Laastiss			
16. Location / Also show the			
Location other			
MAP			
		318	

Bata Cricci i	or the Millor Structure	Form 1 / For Intake, Re	egulator. I all escape
1. Name	South Darweesh Canal	2. Construction Year	, , , , , , , , , , , , , , , , , , , ,
3. TypeSelect	from as follow item (Intake,	Regulator, Tail escape)	Regulator
4. Canal's name	/ Main canal name		Ebraheemeyya Canal
5. Command Are (feddan)	a 500 Feddan	6. Max discharge (m³/day) or (m³/s)	1000 m ³ / day
7. Length of Can	al downstream the structure (kr		5.32 Km
8. Necessary wo	ks for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commenceme	nt of the necessary works for in	nprovement	5 years
	ecessary works for improvemen	nt	200 000 L.E.
11. Contents of the improvement	he necessary works for	Complete	Recnstruction
12. Existing prob	lems of the structure	Do not w	ork properly
13. Material of the	e structure / Wood, Brick, Stone	e, Steal, Other	Steal
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		1.00 m
2) Gate Width	(m)		1.5 m
3) Number of V	/ent (How many ?)		1
4) Up stream w	ater level EL(m)		34.00 m
5) Down stream	n water level EL(m)		33.50 m
6) Bed level EL	.(m)		33.00 m
7) Gate type / \	Wood, Steal, Others, Nothing		Steal
8) Structure co	8) Structure condition / Excellent, Good, Bad, Already Expire		Bad
9) Gate condition	9) Gate condition / Excellent, Good, Bad, Already Expire		Bad
10) How ofen t	he maintenance / every half year	or 1 year nothing etc.	1 Year
11) Please write	e remarks, if any		-
	Front	Тор	Side or Behind
15. Picture			
			4
16. Location Also show the			
_ocation other			
MAP			
		319	

Data Officet for	the Minor Structure	Form 17 For make, Re	gulator, rail escape
1. Name	Sawada Canal	2. Construction Year	1990
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Regulation
4. Canal's name / N	lain canal name		Ebraheemeyya Canal
5. Command Area (feddan)	10000 FED	6. Max discharge (m³/day) or (m³/s)	2700 m ³ / day
7. Length of Canal	downstream the structure (kr	n)	16.62 Km
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commencement	of the necessary works for in	nprovement	3 YEARS
	essary works for improvemer	nt	250 000 L.E.
11. Contents of the improvement	e necessary works for	Complete Recontruction	
12. Existing proble	ems of the structure	Do not work properly	
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Other
14. Question and I	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height (m)		2.50 m
2) Gate Width (r	n)		2.80 m
3) Number of Ve	ent (How many ?)	·	1
4) Up stream wa	iter level EL(m)		39,20
5) Down stream	water level EL(m)		39,10
6) Bed level EL(m)		37.00
7) Gate type / W	/ood, Steal, Others, Nothing		steal
8) Structure con-	dition / Excellent, Good, Bad, Al	Iready Expire	good
	n / Excellent, Good, Bad, Alread	· ·	good
10) How ofen th	ne maintenance / every half year	r or 1 year nothing etc.	1 Year
11) Please write	remarks, if any		
· · · · · · · · · · · · · · · · · · ·	Front	Тор	Side or Behind
A.E. Distance			
15. Picture			
16. Location / Also show the			
Location other			
MAP			
		200	
		320	

Bata Chect 161	the miner etractare	Terminate, ite	galator, Tall Cocape
1. Name	West Desout	2. Construction Year	
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Regulation
4. Canal's name / l	Main canal name		Ebraheemeyya Canal
5. Command Area (feddan)	1,000	6. Max discharge (m³/day) or (m³/s)	3000 m³ / day
7. Length of Canal	downstream the structure (ki	m)	2.640 Km
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	New Construction
9. Commencemen	t of the necessary works for ir	mprovement	3 YEARS
10. Cost of the ned	cessary works for improveme	nt.	150 000 L.E.
11. Contents of the improvement	e necessary works for	New Co	onstruction
12. Existing proble	ems of the structure	Difficulty o	f water control
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	Brick
14. Question and I	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height ((m)		N
2) Gate Width (m)		N
3) Number of Ve	ent (How many ?)		N
4) Up stream wa	ater level EL(m)		N
5) Down stream	water level EL(m)		N
6) Bed level EL(m)			N
7) Gate type / Wood, Steal, Others, Nothing			N
8) Structure con	dition / Excellent, Good, Bad, A	Iready Expire	N
9) Gate condition	n / Excellent, Good, Bad, Alread	dy Expire	N
10) How ofen tl	ne maintenance / every half yea	r or 1 year nothing etc.	1 Year
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location			
/ Also show the			
Location other MAP			

Data Sneet to	r the Minor Structure	Form 1 / For Intake, Re	gulator, I all escape
1. Name	1 Safsafa Branch	2. Construction Year	
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Regulation
l. Canal's name / l	Vain canal name		Ebraheemeyya Canal
5. Command Area (feddan)	900 FED	6. Max discharge (m³/day) or (m³/s)	1100 m³ / day
7. Length of Cana	l downstream the structure (kr	n)	6,060
3. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	Construction
9. Commencemen	t of the necessary works for in	mprovement	5 YEARS
10. Cost of the ne	cessary works for improvemer	nt	200 000 L.E.
11. Contents of the improvement	e necessary works for	New Co	onstruction
-	ems of the structure		
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Brick
14. Question and	Dimension of the structure (If	nothing of information, ple	ase write "N")
1) Gate Height	(m)		N
2) Gate Width (m)		N
3) Number of V	ent (How many ?)		N
4) Up stream wa	ater level EL(m)	· • •	N
5) Down stream	water level EL(m)	,	N
6) Bed level EL	(m)		N
7) Gate type / V	Vood, Steal, Others, Nothing	,	
8) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	
9) Gate condition	on / Excellent, Good, Bad, Alread	dy Expire	
10) How ofen t	he maintenance / every half yea	r or 1 year nothing etc.	1 Year
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
		-	
15. Picture			
•			
		1	
			, 1 m (H) (H)
16. Location			
/ Also show the Location other			
Location other MAP			
		322	

Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape 1. Name Bany wallems Escape 2. Construction Year 1950 3. Type --Select from as follow item-- (Intake, Regulator, Tail escape) Tail escape 4. Canal's name / Main canal name **Serry Canal** 5. Command Area 6. Max discharge 2,700 4000m3/day (feddan) 0,625 m3/sec (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 0.0 8. Necessary works for improvement / Rehabilitation or Reconstruction Reconstruction 9. Commencement of the necessary works for improvement after 3 year (2013) 10. Cost of the necessary works for improvement 50 000 L.E. 11. Contents of the necessary works for for priction the end of canal by mintan of high water level in improvement the end 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Other Ν .4. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 2.00 2) Gate Width (m) 0.80 3) Number of Vent (How many ?) 1.00 4) Up stream water level EL(m) Up Stream EL32.00 5) Down stream water level EL(m) 6) Bed level EL(m) EL31.00 7) Gate type / Wood, Steal, Others, Nothing Steel 8) Structure condition / Excellent, Good, Bad, Already Expire NO 9) Gate condition / Excellent, Good, Bad, Already Expire NO 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any N **Front** Top Side or Behind 15. Picture 16. Location Also show the Location other MAP

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Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape 1. Name 1 Al-Safsafa Branch 2. Construction Year 1945 3. Type --Select from as follow item-- (Intake, Regulator, Tail escape) Tail escape 4. Canal's name / Main canal name Ebraheemeyya Branch 5. Command Area 6. Max discharge 1.200 800m3/day (feddan) (m³/day) or (m³/s) 7. Length of Canal downstream the structure (km) 0.0 8. Necessary works for improvement / Rehabilitation or Reconstruction Rehabilitation 9. Commencement of the necessary works for improvement Within 3 Years 10. Cost of the necessary works for improvement 150 000 L.E. 11. Contents of the necessary works for **Complete Reconstruction** improvement 12. Existing problems of the structure Don't work properly. 13. Material of the structure / Wood, Brick, Stone, Steal, Other Brick 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Gate Height (m) 1.25 2) Gate Width (m) 1.00 3) Number of Vent (How many ?) 1.00 4) Up stream water level EL(m) Up Stream EL37,50 5) Down stream water level EL(m) 6) Bed level EL(m) EL3700.00 7) Gate type / Wood, Steal, Others, Nothing Steel 8) Structure condition / Excellent, Good, Bad, Already Expire Bad 9) Gate condition / Excellent, Good, Bad, Already Expire Bad 10) How ofen the maintenance / every half year or 1 year ... nothing... etc. 11) Please write remarks, if any Front Top Side or Behind 15. Picture 16. Location Also show the Location other MAP

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<u>Data Sheet for the Minor Structure</u> Form 1 / For Intake, Regulator, Tail escape

Data Sheet ioi	the Minor Structure	Form 1 / For Intake, Re	guiator, rail escape
1. Name	2 Safsafa Branch	2. Construction Year	
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Tail escape
I. Canal's name / N	/lain canal name		Ebraheemeyya Canal
5. Command Area (feddan)		6. Max discharge (m³/day) or (m³/s)	
7. Length of Canal	downstream the structure (ki		
3. Necessary work	s for improvement / Rehabilit	ation or Reconstruction	Reconstruction
). Commencement	of the necessary works for in	mprovement	3 YEARS
I0. Cost of the ned	essary works for improvemen	nt	150 000 L.E.
 Contents of the mprovement 	e necessary works for	Complete I	Reconstruction
12. Existing proble	ems of the structure	Do not w	ork properly
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	Brick
14. Question and I	Dimension of the structure (If	f nothing of information, ple	ase write "N")
1) Gate Height (m)		1.00 m
2) Gate Width (r	n)		1.00 m
3) Number of Ve	ent (How many ?)		1
4) Up stream wa	iter level EL(m)		4.815 Km
5) Down stream	water level EL(m)		N
6) Bed level EL	(m)		37.26
7) Gate type / W	Vood, Steal, Others, Nothing		Steel
8) Structure con	dition / Excellent, Good, Bad, A	Already Expire	Bad
9) Gate conditio	n / Excellent, Good, Bad, Alrea	dy Expire	Bad
10) How ofen th	ne maintenance / every half yea	ar or 1 year nothing etc.	1 Year
11) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
is. Ficture			
40 1 00-45-0			
16. Location / Also show the			
Location other			
MAP			
		205	
		325	

Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape

Data Sneet for	the Minor Structure	Form 1 / For Intake, Re	guiator, i all escape
1. Name	Al-Sheikh Yousef Branch	2. Construction Year	
3. TypeSelect fr	om as follow item (Intake,	Regulator, Tail escape)	Tail escape
4. Canal's name / i	lain canal name		Ebraheemeyya Canal
5. Command Area (feddan)		6. Max discharge (m³/day) or (m³/s)	
7. Length of Canal	downstream the structure (ki	m)	
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	Reconstruction
9. Commencemen	t of the necessary works for ir	mprovement	3 YEARS
10. Cost of the ned	cessary works for improveme	nt	
11. Contents of the improvement	e necessary works for	Complete F	Reconstruction
12. Existing proble	ems of the structure	Do not w	vork properly
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	Brick
14. Question and I	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height (m)		1.5 m
2) Gate Width (ı	m)		0.8 m
3) Number of Ve	ent (How many ?)		1.00 m
4) Up stream wa	ater level EL(m)		N
5) Down stream	water level EL(m)		N
6) Bed level EL	(m)		34.62
7) Gate type / V	Vood, Steal, Others, Nothing		steal
8) Structure con	dition / Excellent, Good, Bad, A	lready Expire	Bad
9) Gate condition	on / Excellent, Good, Bad, Alread	dy Expire	Bad
10) How ofen ti	he maintenance / every half yea	r or 1 year nothing etc.	1 Year
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
io. Ficture			
·			
16. Location / Also show the			
Location other			
MAP			
		326	

<u>Data Sheet for the Minor Structure</u> Form 1 / For Intake, Regulator, Tail escape

<u> </u>	i the Millor Structure	Form 17 For make, Re	gulator, Tall escape
1. Name	West Tahnasha Branch	2. Construction Year	
3. TypeSelect f	rom as follow item (Intake,	Regulator, Tail escape)	Tail escape
4. Canal's name /	Main canal name		
Command Area (feddan)		6. Max discharge	
	l downstream the structure (kr	(m³/day) or (m³/s)	
	s for improvement / Rehabilita		Reconstruction
	t of the necessary works for ir		3 YEARS
10. Cost of the ne	cessary works for improvemen	nt	150 000 L.E.
11. Contents of th improvement	e necessary works for	Complete F	Reconstruction
12. Existing probl	ems of the structure	Do not w	ork properly
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Other	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	ase write "N")
1) Gate Height	(m)		1.00 m
2) Gate Width (m)		0.8 m
3) Number of V	ent (How many ?)		1
4) Up stream w	ater level EL(m)		N
5) Down stream	water level EL(m)		N
6) Bed level EL	(m)		N
7) Gate type / V	Vood, Steal, Others, Nothing		N
8) Structure cor	ndition / Excellent, Good, Bad, A	Iready Expire	N
-	on / Excellent, Good, Bad, Alread	<u> </u>	N
10) How ofen t	he maintenance / every half year	r or 1 year nothing etc.	1 Year
11) Please write	e remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		327	

Data Sheet for the Minor Structure Form 3 / For Pump station (less than 0.5m³/s) 1. Name Abu Habeba Branch 2. Construction Year 3. Type Pump station 4. Canal's name / Main canal name Ebraheemeyya Canal 5. Command Area 6. Max discharge of canal 1,000 3000 m3/day (feddan) (m³/day) or (m3/s) 7. Length of Canal downstream the structure (km) 5.00 km 8. Necessary works for improvement / Rehabilitation or Reconstruction Construction Commencement of the necessary works for improvement Within 3 Years 10. Cost of the necessary works for improvement 200 000 L.E. 11. Contents of the necessary works for improvement with two unit its dischange 0.5 m3/sec improvement 12. Existing problems of the structure 13. Material of the structure / Wood, Brick, Stone, Steal, Conceret 14. Question and Dimension of the structure (If nothing of information, please write "N") 1) Max discharge of the Pump (m³/s) 0.5 m3/sec 2) Number of pump (How many?) 2 Units 3) Diameter of the Pump (mm) 4) Where from country is the pump machine installed site? 5) Power source / Electricity, Diesel, others Electricity 6) How ofen the maintenance / every half year or 1 year ... nothing... etc. 1 year 7) Inatke side water level EL(m) 8) Discharge side water level EL(m) Down Stream EL35.00 9) Pump head = "8) - 7) " (m) 35.00 10) Please write remarks, if any Front Top Side or Behind 15. Picture 16. Location / Also show the Location other

MAP

<u>Data Sheet for the Minor Structure</u> Form 3 / For Pump station (less than 0.5m³/s)

	The Minor Structure	Form 3 / For Pump station	r (less than 0.5m /s)
1. Name	pump station	2. Construction Year	
3. Туре			Pump station
4. Canal's name /	Main canal name	Has	sen Basha Drain /Serry cana
Command Area (feddan)	60000 Fed	6. Max discharge of canal (m³/day) or (m3/s)	3.0 m3/day
7. Length of Cana	l downstream the structure (kr	n)	58.00 km
8. Necessary work	s for improvement / Rehabilita	ation or Reconstruction	new stucture
9. Commencemen	9. Commencement of the necessary works for improvement		
10. Cost of the ne	cessary works for improvemer	nt	500 000 L.E.
11. Contents of th improvement	e necessary works for	Newly Co	nstruction
12. Existing probl	ems of the structure	Lack of water	r at canal end
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Conceret	no
14. Question and	Dimension of the structure (If	nothing of information, pleas	e write "N")
1) Max discharg	je of the Pump (m³/s)		0.5 m3/sec
2) Number of pu	ump (How many?)		6, 00
3) Diameter of t	he Pump (mm)		
4) Where from (country is the pump machine inst	alled site?	
5) Power source / Electricity, Diesel, others			Electricity
6) How ofen the	e maintenance / every half year	or 1 year nothing etc.	
7) Inatke side w	ater level EL(m)		
8) Discharge sid	le water level EL(m)		Down Stream EL34.00
9) Pump head =	: " 8) - 7) " (m)		
10) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP			

<u>Data Sheet for the Minor Structure</u> Form 3 / For Pump station (less than 0.5m³/s)

	T THE WILLOU STRUCTURE	Form 3 / For Pump station	
1. Name	Samalout Canal	2. Construction Year	
3. Type			Pump station
4. Canal's name /	P. 000000000000000000000000000000000000		Ebraheemeyya Canal
5. Command Area (feddan)	1000 Feddan	 Max discharge of canal (m³/day) or (m3/s) 	0.5 m ³ / sec
7. Length of Cana	l downstream the structure (kn	n)	1.140 Km
8. Necessary work	s for improvement / Rehabilita	tion or Reconstruction	Construction
9. Commencemen	t of the necessary works for in	nprovement	Within 3 Years
	cessary works for improvemen	t	250 000 L.E.
11. Contents of th improvement	e necessary works for	New Con	struction
12. Existing probl	ems of the structure		
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Conceret	
4. Question and	Dimension of the structure (If	nothing of information, pleas	e write "N")
1) Max discharç	ge of the Pump (m³/s)		0.5 m ³ / sec
2) Number of p	ump (How many?)		3 unit
3) Diameter of t	he Pump (mm)		
4) Where from	country is the pump machine inst	alled site?	
5) Power source	e / Electricity, Diesel, others		Electricity
6) How ofen th	e maintenance / every half year o	or 1 year nothing etc.	1 Year
7) Inatke side w	rater level EL(m)		
8) Discharge side water level EL(m)			Down Stream EL36.50
9) Pump head =	= " 8) - 7) " (m)		36.50
10) Please write	e remarks, if any		
)	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		330	

<u>Data Sheet for the Minor Structure</u> Form 2 / For Culvert and Siphon, Aqueduct

	200000000000000000000000000000000000000	Tomiz/Tor Curvert and	- orphon, Addeddet
1. Name	Sawada Iŋtấke	2. Construction Year	
		rt, Siphon, Aqueduct)	siphon
	Main canal name		Sawada Intake River Nile
5. Command Area (feddan)	1500 Fed	6. Max discharge (m³/day) or (m³/s)	5000 m3 /day
	al downstream the structure (k		12.500 km
	ks for improvement / Rehabilit		Rehabit
9. Commencemer	nt of the necessary works for i	mprovement (At least after 5y	r 5 - years
	cessary works for improvemen	nt	300 (T.P)
11. Contents of the improvement	ne necessary works for	Rehal	pilitation
	ems of the structure		pilitation
13. Material of the	structure / Wood, Brick, Ston	e, Steal, Other	Brick
	pipe / Wood, Brick, Stone, Ste		steel
15. Question and	Dimension the structure (If no	othing of information, please	write "N")
1) Vent height o	of the Culvert (m)		
2) Vent width o	the Culvert (m)		
3) Length of the	Culvert, Siphon, Aqueduct (m)		25.00m
4) Depth of the	Siphon pipe. The depth is from t	he canal bank to the pipe(m)	5.00m
5) The difference	e of water head level of the siph	on (m)	15 m
6) Diameter of t	he pipe for Siphon or Aqueaduct	(mm)	1000 mm
7) Up stream w	ater level EL(m)		Up Stream EL38.25
8) Down stream	water level EL(m)		Down Stream EL38.10
9) Length of pip	e for Siphon or Aqueaduct,if any	(m)	25, 00m
10) Structure co	ndition / Excellent, Good, Bad, A	Already Expire	Bad
11) Pipe conditi	on / Excellent, Good, Bad, Alread	dy Expire	Bad
12) How ofen the	ne maintenance / every half year	or 1 year nothing etc.	1 year
13) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		331	

Data Sheet for the Minor Structure Form 2 / For Culvert and Siphon, Aqueduct

1. Name Waslet Al-Shere'l	2. Construction Year	1970
	rt, Siphon, Aqueduct)	Aqueduct
4. Canal's name / Main canal name	, priority requirements	Serry Canal
5. Command Area (feddan)	6. Max discharge (m³/day) or (m³/s)	30 000
7. Length of Canal downstream the structure (k		3.0
8. Necessary works for improvement / Rehabilit	ation or Reconstruction	Rehabilitation
9. Commencement of the necessary works for in	mprovement (At least after 5y	
10. Cost of the necessary works for improvemen	nt	80 000 L.E.
11. Contents of the necessary works for improvement	Reconstruction	
12. Existing problems of the structure	Do not work properly	
13. Material of the structure / Wood, Brick, Ston	e, Steal, Other	Steel
14. Material of the pipe / Wood, Brick, Stone, St	eal, Other	
15. Question and Dimension the structure (If no	othing of information, please	write "N")
1) Vent height of the Culvert (m)		
2) Vent width of the Culvert (m)		
3) Length of the Culvert, Siphon, Aqueduct (m)		16.00
4) Depth of the Siphon pipe. The depth is from t	he canal bank to the pipe(m)	
5) The difference of water head level of the siph	on (m)	
6) Diameter of the pipe for Siphon or Aqueaduct	(mm)	1.00
7) Up stream water level EL(m)	Up Stream EL36.10	
8) Down stream water level EL(m)		Down Stream EL36.00
9) Length of pipe for Siphon or Aqueaduct,if any	(m)	16, 00
10) Structure condition / Excellent, Good, Bad, A	Already Expire	Bad
11) Pipe condition / Excellent, Good, Bad, Alread	dy Expire	Bad
12) How ofen the maintenance / every half year	or 1 year nothing etc.	Anually
13) Please write remarks, if any		<u> </u>
Front	Тор	Side or Behind
15. Picture		
16. Location / Also show the Location other MAP		

Data Sheet fo	or the Minor Structure	Form 4 / For Bridge	
1. Name	Al-Fashneyya Canal 2	2. Construction Year	1955
3. Туре			Bridge 2
4. Canal's name /	Main canal name	ELFASHEN	CANAL / EBRAHEMIA CANAL
Command Area (feddan)	1,300	6. Max discharge of canal (m³/day) or (m3/s)	4200M3/DAY
7. Length of Cana	l downstream the structure (kr	n)	6.5 KM
8. Necessary worl	ks for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commencemen	t of the necessary works for in	nprovement	Within 3 Years
	cessary works for improvemen	nt	200,000 LE
11. Contents of th improvement	e necessary works for		
12. Existing probl	ems of the structure		
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Conceret	Brick
14. Question and	Dimension of the structure (If	nothing of information, pleas	e write "N")
1) Width of the	Bridge (m)		3.00 m
2) Length of the	Bridge (m)		4.00 m
3) Hieight of the	pier or abut of the Bridge from t	he canal bed (m)	2.00 ш
4) Width of the	canal at Bridge point (m)		3. 00m
5) Width of up s	stream of the canal (m)		2.5m
6) Width of dow	n stream of the canal (m)		2.5m
7) Up stream wa	ater level EL(m)		-Up Stream EL33.10
8) Down stream	water level EL(m)		-Down Stream EL33.00
9) How ofen the	e maintenance, if any / every halt	f year or 1 year nothing etc	
9) Please write	remarks, if any		
	Front	Тор	Side or Behind
•			
15. Picture			
16. Location			
/ Also show the Location other			
MAP			

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Data Officer it	or the Minor Structure	Form 4 / For Bridge	
1. Name	Al-Fashneyya Canal 1	2. Construction Year	1955
3. Туре			Bridge
4. Canal's name /	Main canal name		Ebraheemeyya Canal
5. Command Area (feddan)	a 1,500	6. Max discharge of canal (m³/day) or (m3/s)	6000M3/DAY
7. Length of Cana	al downstream the structure (kr	m)	7.66 KM
8. Necessary wor	ks for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commenceme	nt of the necessary works for in	nprovement	Within 3 Years
10. Cost of the ne	ecessary works for improvemer	nt	200 000 L.E.
11. Contents of the improvement	ne necessary works for		
12. Existing prob	lems of the structure		
13. Material of the	e structure / Wood, Brick, Stone	e, Steal, Conceret	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Width of the	Bridge (m)		2.00 m
2) Length of the	e Bridge (m)		3.00 m
3) Hieight of th	e pier or abut of the Bridge from t	the canal bed (m)	2.00 m
4) Width of the	canal at Bridge point (m)		2.00m
5) Width of up	stream of the canal (m)		3.00m
6) Width of dov	vn stream of the canal (m)		3.00m
7) Up stream w	vater level EL(m)		-Up Stream EL33.25
8) Down strean	8) Down stream water level EL(m)		-Down Stream EL33.15
9) How ofen th	e maintenance, if any / every hal	f year or 1 year nothing e	tc.
9) Please write	remarks, if any		
	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP		33)	

Data Officer I	or the Minor Structure	Form 4 / For Bridge	
1. Name	Ma'atan Bridge	2. Construction Year	1950
3. Туре			Bridge
4. Canal's name	Main canal name		Serry Canal
5. Command Are (feddan)	a 150 000	6. Max discharge of canal (m³/day) or (m3/s)	750000M3/DAY
7. Length of Can	al downstream the structure (k	m)	15.0
8. Necessary wo	ks for improvement / Rehabilit	ation or Reconstruction	Reconstruction
9. Commenceme	nt of the necessary works for in	mprovement	Within 3 Years
	ecessary works for improveme	nt	500 000 L.E.
11. Contents of the improvement	he necessary works for	new . Struction	
12. Existing prob	lems of the structure	its old and case the meter le	evel
13. Material of the	e structure / Wood, Brick, Stone	e, Steal, Conceret	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Width of the	Bridge (m)		6.00
2) Length of th	e Bridge (m)		11,00
3) Hieight of th	e pier or abut of the Bridge from t	the canal bed (m)	3,00
4) Width of the	canal at Bridge point (m)		11,00
5) Width of up	stream of the canal (m)		11.00
6) Width of dov	wn stream of the canal (m)		11.00
7) Up stream w	vater level EL(m)		Up Stream EL33.90
8) Down strear	n water level EL(m)		Down Stream EL33.90
9) How ofen the	ne maintenance, if any / every hal	f year or 1 year nothing e	to Anually
9) Please write	remarks, if any		
`	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP			

Data Sheet for the Minor Structure Form 1 / For Intake, Regulator, Tail escape

Data Sheet it	ine Minor Structure	Form 1 / For Intake, Reg	guiator, Tairescape
1. Name	Morgan Regulator	2- Construction Year	1917
3. TypeSelect f	rom as follow item (Intal	ce, Regulator, Tail escape)	Regulator
4. Canal's name /	Main canal name	Al Badraman canal	
5. Command Area (feddan)	6,935	6. Max discharge (m³/day) or (m³/s)	
7. Length of Cana	al downstream the structure	(km)	16,960.0
8. Necessary wor	ks for improvement / Rehab	ilitation or Reconstruction	RECONSTRUCTION
9. Commenceme	nt of the necessary works fo	r improvement	3 year
10. Cost of the ne	ecessary works for improver	nent´	200,000 LE
11. Contents of the mprovement	ne necessary works for	Replace parts of construction	
	lems of the structure	Failer in som parts of constru	ction
13. Material of the	e structure / Wood, Brick, St	one, Steal, Other	Wood
14. Question and	Dimension of the structure	(If nothing of information, p	lease write "N")
1) Gate Height	(m)		3.00
2) Gate Width	(m)		3.50
3) Number of \	/ent (How many ?)		1.00
4) Up stream v	vater level EL(m)		Up Stream EL44.50
5) Down strear	m water level EL(m)		Down Stream EL44.40
6) Bed level El	_(m)		EL42.60
7) Gate type /	Wood, Steal, Others, Nothing		wood
8) Structure co	ndition / Excellent, Good, Bad	, Already Expire	already expire
9) Gate conditi	on / Excellent, Good, Bad, Alr	eady Expire	already expire
10) How ofen	the maintenance / every half y	year or 1 year nothing etc.	
11) Please writ	te remarks, if any	No	
	Front	Тор	Side or Behind
45 5: 4			
15. Picture			
16. Location / Also show the Location other MAP	Dahab canal on baher - Yo	sef canal	
		226	

Data Silection	r the Minor Structure	Form 4 / For Bridge	
1. Name	SHEIKH YOUSEF BRANCH	2. Construction Year	1950
3. Туре			Bridge
4. Canal's name /	Main canal name		Ebraheemeyya Canal
5. Command Area (feddan)	350 Feddan	6. Max discharge of canal (m³/day) or (m3/s)	1200 m3 /day
7. Length of Cana	l downstream the structure (kr	n)	3.00 km
8. Necessary worl	s for improvement / Rehabilita	ation or Reconstruction	Rehabilitation
9. Commencemen	t of the necessary works for in	nprovement	3-years
10. Cost of the ne	cessary works for improvemer	nt	150,000 LE
11. Contents of th improvement	e necessary works for		
12. Existing probl	ems of the structure		
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Conceret	Conceret
14. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Width of the	Bridge (m)		D= 1.00 m
2) Length of the	Bridge (m)		L= 6,00 m
3) Hieight of the	e pier or abut of the Bridge from t	the canal bed (m)	
4) Width of the	canal at Bridge point (m)		w. b. =1, 00
5) Width of up s	stream of the canal (m)		1, 00
6) Width of dow	n stream of the canal (m)		1, 00
7) Up stream w	ater level EL(m)		Up Stream EL36.30
8) Down stream	water level EL(m)		Down Stream EL36,20
9) How ofen th	e maintenance, if any / every hal	f year or 1 year nothing et	to.
9) Please write	remarks, if any		
· 	Front	Тор	Side or Behind
15. Picture			
16. Location / Also show the Location other MAP			

Data Sheet fo	r the Minor Structure	Form 4 / For Bridge	
1. Name	WEST ABA CANAL	2. Construction Year	1989
3. Type			Bridge
4. Canal's name /	Main canal name		Ebraheemeyya Canal
5. Command Area (feddan)	1500 Feddan	6. Max discharge of canal (m³/day) or (m3/s)	5000M3/DAY
7. Length of Canal downstream the structure (km)			1.2 km
8. Necessary works for improvement / Rehabilitation or Reconstruction			Rehabilitation
9. Commencement of the necessary works for improvement			3-years
10. Cost of the necessary works for improvement			150 000 L.E.
11. Contents of the necessary works for improvement			
12. Existing probl	ems of the structure		
13. Material of the	structure / Wood, Brick, Stone	e, Steal, Conceret	Brick
14. Question and	Dimension of the structure (If	nothing of information, plea	se write "N")
1) Width of the Bridge (m)			3.00 ш
2) Length of the Bridge (m)			4.00 ш
3) Hieight of the pier or abut of the Bridge from the canal bed (m)			1.5 m
4) Width of the canal at Bridge point (m)			3.00m
5) Width of up stream of the canal (m)			1.00m
6) Width of down stream of the canal (m)			1.00m
7) Up stream water level EL(m)			-Up Stream EL33.25
8) Down stream water level EL(m)			-Down Stream EL33.20
9) How ofen th	e maintenance, if any / every hal	f year or 1 year nothing e	etd N
9) Please write remarks, if any			
15. Picture	Front	Тор	Side or Behind
16. Location / Also show the Location other MAP			