Site Code	Site Name		District	Governorate
A-01	Al Sha'afel Al Olyah & Sufla		Al Khabt	Al Mahweet
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source		Researc	ch Item	
Code	raiget water source	Pumping Test		Water Sampling	
A-01	New projected deep well			Code:	A-01









Latitude N Longitud		de E	E Altitude (m)			Present Condition			
15° 27′ 27.0" 43° 17′ 58.1"		8.1"	3	357 Capped					
Year Const.	De	epth (m)	Casing Dia. (inch)			Screen			
2005		192		8					
Aquifer / (Geo	logical des	criptior		Static Wa Level (G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
					20.12		46.09	4.4	0.096
EC (mS/m) pH Temp. (°C				mp. (°C)		Rei	marks	
180.9		6.61		34.7					

Source Target Water Source		Research Item			
Code	raiget water source	Pumping Test Water Samp		Sampling	
A-01/2	Other Water Source	Code:		Code:	A-01/2





Latitude N	Longitude E	Altitude (m)	Source Type
15° 27' 00.0"	43° 17' 21.1"	295	Dug Well
EC (mS/m)	рН	Temp. (°C)	Remarks
85.2	7.26	32.9	Lower Sha'afel

Source	Larget Water Source		Resear	ch Item	
Code	raiget water source	Pumping Test Water Samp		Sampling	
A-01/3	Other Water Source	Code:		Code:	A-01/3





Latitude N	Longitude E	Altitude (m)	Source Type
15° 28' 36.0"	43° 19' 00.0"	1,042	Rain Water
	•	•	
EC (mC/m)	mU	Town (°C)	Domorko
EC (mS/m)	рН	Temp. (°C)	Remarks

Site Code		Site Name	District	Governorate
A-02		Jabal Al Taraf	Al Mahweet	Al Mahweet
Research I	Item	1 pumping test, 1 water s	sampling for quality analysis	

Source	Target Water Source		Resear	ch Item	
Code	rarget water source	Pumping Test Water Samp		Sampling	
A-02	Existing projected deep well	Code:	A-02	Code:	A-02









Latitude N	Longitu	gitude E Altitude (m) Present C			ent Condition	<u> </u>		
15° 26' 20.4"	43° 30' 2	26.1"	1,1	11	Working vertical pump			
Year Const.	Depth (m)	Casing (inc	g Dia. ch)		Screen			
1997	165	8-5	5/8					
Aquifer / 0	Geological des	scription	S	tatic Wate Level (G.Lm)	Drawdown	Discharge (L/sec)	Specific Capacity (L/s/m)	
EC (mS/m) pH Temp. (°					Re	marks		
71.0	7.27	2	29.1					

Site Code		Site Name	District	Governorate
A-03		Ozlat Al Jaradi	Al Rujum	Al Mahweet
Research I	Item	1 pumping test, 1 water s	sampling for quality analysis	

Source	Target Water Source		Resear	ch Item	
Code	raiget water source	Pumping Test Water Sampling		Sampling	
A-03	Existing projected deep well	Code:	A-03	Code:	A-03









Latitude N	Longitu	de E	Altitude (m)			Present Condition			
15° 27' 53.0"	15° 27′ 53.0″ 43° 37′ 41.9″			986	Working submersible pump				
Year Const. Depth (m) Casing Dia (inch)				Screen					
1990	150		10						
Aquifer / 0	Aquifer / Geological description					Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
EC (mS/m)	EC (mS/m) pH Temp. (°C)) Remarks			
31.2	6.70		24.7						

Site Code		Site Name	District	Governorate		
A-04		Al Khamis-Bani Ali	Bani Sa'ad	Al Mahweet		
Research	Item	1 pumping test, 2 water samplings for quality analysis				

Source Code	Target Water Source	Research Item						
	larger water source	Pumpi	ng Test	Water Sampling				
A-04	New projected deep well	Code:	A-04	Code:	A-04			









Latitude N	Latitude N Longitude E A		E Altitu	Altitude (m)		Present Condition				
15° 10' 54.4"	43° 2	43° 29' 56.4"		<i>4</i> 58	8 Capped					
Year Const.	Depth (m) Casing Dia (inch)				Screen					
2001	92		10		32-92					
Aquifer / (Aquifer / Geological description					er	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
					6.66		35. <i>4</i> 8	4.4	0.124	
EC (mS/m)	рН		Temp. (°0	mp. (°C) Remarks					<u> </u>	
283.0	6.99	9	33.4							

Source	Target Water Source	Research Item					
Code	raiget water source	Pumpi	ng Test	Water Sampling			
A-04/2	Other Water Source	Code:		Code:	A-04/2		





Latitude N	Longitude E	Altitude (m)	Source Type
15° 11' 03.7"	43° 29′ 56.5″	457	River
EC (mS/m)	рН	Temp. (°C)	Remarks
63.9	7.60	29.3	

Site Code		Site Name	District	Governorate
S-01	Ва	nni Waleed - Al Asboor	Al Haymah Al Kharijiyah	Sana'a
Research	Item	2 pumping test, 3 water s	samplings for quality analysis	

Source	Target Water Source	Research Item						
Code	raiget water source	Pumpi	ng Test	Water Sampling				
S-01/1	New projected deep well (Bani Waleed)	Code:	S-01/1	Code:	S-01/1			









Latitude N	Longitude E Altit			Altitu	ude	ude (m) Present Condition				
15° 00' 33.1"	•	43° 53' 10.1"			1,66	64 Capped				
Year Const. Depth (m) Casing Dia (inch)				. Screen						
2005		348		8						
Aquifer / (Aquifer / Geological description					atic Wat Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
EC (mS/m) pH Temp. (°C)				C)) Remarks					
120.8		7.04		30.7						

Source	Target Water Source	Research Item						
Code	raiget water source	Pumpi	ng Test	Water Sampling				
S-01/2	New projected deep well (Al Asboor)	Code:	S-01/2	Code:	S-01/2			









Latitude N		Longitude E Altit		Altitu	Altitude (m)			Present Condition			
15° 00' 32.8"	•	43° 52' 49.4"		1,65	54 Capped						
Year Const. Depth (m) Casing Dia. (inch)			. Screen								
2005		300		8							
Aquifer / (Aquifer / Geological description					atic Wa Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
EC (mS/m) pH Temp. (°C				CC) Remarks							
113.9		6.70		29.4	29.4						

Source	Target Water Source	Research Item					
Code	rarget water Source	Pumpi	ng Test	Water	Sampling		
S-01/3	Other Water Source	Code:		Code:	S-01/3		





Latitude N	Longitude E	Altitude (m)	Source Type
15° 00' 24.0"	43° 55' 34.4"	1,692	Dug Well
FO (== C(==)		Tamas (°C)	Domanto
EC (mS/m)	рH	Temp. (°C)	Remarks

Site Code	Site Name		District	Governorate
S-02	Jarban		Hamdan	Sana'a
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source	Research Item			
Code	Code Target Water Source		ng Test	Water Sampling	
S-02	Existing projected deep well	Code:	S-02	Code:	S-02









Latitude N	Longitud	le E Al	titude	(m)	Present Condition		
15° 34' 49.2"	44° 03' 0	1.1"	2,64	2	Capped		
Year Const.	Depth (m)		Casing Dia. (inch)		Screen		
2005	450	10					
Aquifer / 0	Geological des	cription	St	atic Water Level (G.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
						2.0	
EC (mS/m)	рН	Temp.	(°C)	Remarks			
28.8	8.08	25.	4	Constant discharge test only			

Source	Target Water Source	Research Item				
Code	raiget water source	Pumpi	Pumping Test		Water Sampling	
S-02/2	Other Water Source	 		Code:	S-02/2	





Latitude N	Longitude E	Altitude (m)	Source Type
15° 34' 58.7"	44° 03′ 47.3"	2,607	Rain Water (cistern)
EC (mS/m)	EC (mS/m) pH		Remarks
13.5	9.09	18.3	

Site Code	Site Name		District	Governorate	
S-03	Al Kharaba		Bani Matar	Sana'a	
Research Item 1 pumping test, 2 water samplings for quality analysis					

Source	Target Water Source	Research Item			
Code	raiget water source	Pumpi	ng Test	Water Sampling	
S-03	Existing projected deep well	Code:	S-03	Code:	S-03









Latitude N	Longi	Longitude E		de (m)	Present Condition		1	
15° 18' 47.2"	43° 58	' 56.4"	2,	935	Unused vertical pump			np
Year Const.	Depth (m		sing Dia. inch)		Screen			
1982	150		8-5/8					
Aquifer / 0	Aquifer / Geological description				ter)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
				44.93		35.89	3.5	0.097
EC (mS/m)	рН	Te	emp. (°C)	Remarks			
61.5	7.64		18.1					

ſ	Source	Target Water Source	Research Item			
	Code	raiget water source	Pumping Test		Water Sampling	
ſ	S-03/2	Other Water Source	1 1		Code:	S-03/2





Latitude N	Longitude E	Altitude (m)	Source Type
15° 18' 34.6"	44° 59' 02.2"	2,967	Rain Water (cistern)
EC (mS/m)	рН	Temp. (°C)	Remarks

Site Code	e Code Site Name		District	Governorate
S-04	Q	amlan-Bait Al Najrani	Bani Matar	Sana'a
Research	ltem	1 pumping test, 1 water s	sampling for quality analysis	

Source Target Water Source			Resear	ch Item	
Code	Code Target Water Source	Pumpi	ng Test	Water	Sampling
S-04	Existing projected deep well	Code:	S-04	Code:	S-04









Latitude N	Longitude E Alti			Altitu	ıde ((m)	Present Condition			
15° 10' 31.1"	1" 43° 58' 27.4"			2	,748	3	Working vertical pump			
Year Const. Depth (m) Casing Dia. (inch)				1			Sc	reen		
1975		145		8						
Aquifer / 0	Aquifer / Geological description					atic Wat Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
						10.01		0.91	5.6	6.154
EC (mS/m) pH Temp. (°C				mp. (°C	;)			Rei	marks	
33.8		7.36		19.9						

Site Code	Site Name		District	Governorate
S-05	Afesh		Belad Al Rous	Sana'a
Research	ltem	1 pumping test, 2 water s	samplings for quality analysis	

Source	Larget Water Source		Research Item			
Code Target Water Source	Pumpi	ng Test	Water	Sampling		
S-05	Existing projected deep well	Code:	S-05	Code:	S-05	









Latitude N	Longitud	de E Alti	Altitude (m)		(m) Present Condition			
15° 04' 23.5"	44° 13' 3	44° 13′ 31.2″			6 Unused (open)			
Year Const.	Depth (m)	Casing Di (inch)	a.	Screen				
1996	300	8						
Aquifer / (Aquifer / Geological description				Drawdown	Discharge (L/sec)	Specific Capacity (L/s/m)	
				212.97	18.24	3.2	0.17	
EC (mS/m)	рН	Temp. (°C)		Re	marks		
125.6	7.48	32.7						

Source Target Water Source			Resear	ch Item	
Code	raiget water source	Pumping Test Water Sampling		Sampling	
S-05/2	Other Water Source	Code: Co		Code:	S-05/2





Latitude N	Longitude E	Altitude (m)	Source Type
15° 04' 24.1"	44° 13' 31.2"	2,967	Spring (canal beside mosque)
EC (mS/m)	рН	Temp. (°C)	Remarks
68.2	7.83	23.2	

Site Code	Site Name		District	Governorate
S-06	Al Lejam		Sanhan & Bany Bahlool	Sana'a
Research I	Item	1 pumping test, 1 water s	sampling for quality analysis	

Source Target Water Source	Research Item				
Code	raiget water source	Pumpi	ng Test	Water Sampling	
S-06	Existing projected deep well	Code:	S-06	Code:	S-06









Latitude N	N Longitude E Alti				de (m)	m) Present Condition				
15° 16' 56.6"	,	44° 21' 38	8.7"	2,	435		Working vertical pump			
Year Const.	Year Const. Depth (m) Casing Dia. (inch)				a. Screen					
1993		300		8						
Aquifer / 0	Aquifer / Geological description				Static Water Level (G.Lm) Capacity (L/sec) Capacity (L/s/m)					
					148.66	6		4.2		
EC (mS/m) pH Temp. (°C				mp. (°C)	Remarks				
57.7		9.27		31.9						

Site Code	Site Name		District	Governorate
S-07	Bait Al Hadrami		Sanhan & Bany Bahlool	Sana'a
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source Target Water Source			Resear	ch Item	h Item	
Code	rarget water source		ng Test	Water Sampling		
S-07	New projected deep well	Code:	S-07	Code:	S-07	









Latitude N		Longitud	le E	Altitu	de (n	n)	Pres	ent Condition	 I
15° 14' 44.0"	,	44° 17' 2	3.6"	2,37		74 Capped			
Year Const.	De	epth (m)	Casing Dia. (inch)			Screen			
2005		410		8					
Aquifer / 0	Geol	logical des	criptio	n	L	c Water evel .Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
					193.22 3.90 3.2 0.82				
EC (mS/m) pH Temp. (°C				mp. (°C	;)		Rei	marks	
38.5	38.5 8.54 31.3								

Source Target Water Source	Research Item				
Code	ode Target Water Source	Pump	ing Test	Water	Sampling
S-07/2	Other Water Source			Code:	S-07/2





Latitude N	Longitude E	Altitude (m)	Source Type
15° 15' 04.5"	44° 17' 30.6"	2,365	Private well
(o()		- (00)	
EC (mS/m)	pH	Temp. (°C)	Remarks
		,	

Site Code	Site Name		District	Governorate
S-08	Dajah & Sarfah		Sanhan & Bany Bahlool	Sana'a
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Larget Water Source	Research Item				
Code	raiget water source	Pumping Test		Water	Sampling	
S-08	New projected deep well	Code:	S-08	Code:	S-08	









Latitude N	Longitu	de E	Altitude	(m)	Pres	ent Condition	l	
15° 21' 20.4"	44° 25' 2	5.3"	2,56	7	Capped			
Year Const.	Depth (m)	Casing (inc		Screen				
2006	672	10	0					
Aquifer / (Geological des	cription	St	atic Water Level (G.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
				468.33				
EC (mS/m)	рН	Temr	p. (°C)		Re	marks		
				Pumping test carried by GARWSP				
143.9	8.69	4	18.5	1	ornping test ca	arried by GARV	V3P	

Source Target Water Source	Research Item				
Code	e Target water Source	Pumpi	ng Test	Water	Sampling
S-08/2	Other Water Source	Code: Cod		Code:	S-08/2





Latitude N	Longitude E	Altitude (m)	Source Type
15° 21' 58.0"	44° 26' 26.5"	2,604	Private well
EC (mS/m)	рН	Temp. (°C)	Remarks
	Pii	remp. (C)	iveillat v2

Site Code	Site Name		District	Governorate
S-09		Ruhm	Sanhan & Bany Bahlool	Sana'a
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Larget Water Source	Research Item				
Code	Code Target Water Source		ng Test	Water	Sampling	
S-09	New projected deep well	Code:	S-09	Code:	S-09	









Latitude N		Longitude E Altitude (m) Present Conditio					ent Condition	1		
15° 11' 04.1"		44° 14' 3	2,39		395	5 Capped				
Year Const.	Dep	oth (m)	Casing Dia. (inch)			Screen				
2003		470		8						
Aquifer / (Geolo	gical des	cription		Static Wa Level (G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
					192.5 3.0					
EC (mS/m) pH Temp. (°C				mp. (°C))		Rei	marks		
38.5		7.94		28.3						

Source Target Water Source	Research Item				
Code	ode Target Water Source		Pumping Test		Sampling
S-09/2	Other Water Source	1 1		S-09/2	





Latitude N	Longitude E	Altitude (m)	Source Type
15° 11' 46.4"	44° 14' 43.8"	2,378	Vendor
EC (mS/m)	рН	Temp. (°C)	Remarks
51.0	7.60	24.1	

Site Code	ode Site Name		District	Governorate
S-10		Tawa'ar	Al Hesn	Sana'a
Research	Item	2 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source	Research Item						
Code	raiget water source	Pumpi	ng Test	Water Sampling				
S-10/1	Existing projected deep well	Code:	S-10/1	Code:	S-10/1			







No photo

Latitude N		Longitude E Altitu		Altitud	de (m)	(m) Present Condition					Present Cond		l
15° 03' 19.1"	,	44° 29' 18	8.2"	2" 2,23		0 Working submersible pump							
Year Const.	De	epth (m)	Casing Dia (inch)			Screen							
1994		280											
Aquifer / (Aquifer / Geological description					iter	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)				
					135.35	5		2.1					
EC (mS/m)		рН	Ter	np. (°C	C) Remarks								
112.7		9.45		28.8									

Source	Target Water Source	Research Item						
Code	raiget water source	Pumpi	ng Test	Water Sampling				
S-10/2	Existing projected deep well	Code:	S-10/2	Code:	S-10/2			





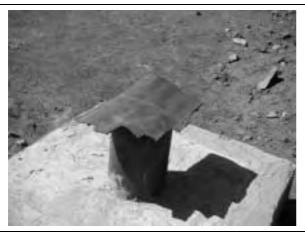


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Latitude N		Longitude E		Altitude (m)		(m)	Present Condition			ı
15° 00' 13.8"	1	44° 28' 5	4.4"	2,259		9	Working vertical pump			ηρ
Year Const.	D	epth (m)	Casi (i	ing Dia nch)	-	Screen				
2004		310		8						
Aquifer / (Aquifer / Geological description					atic Wate Level (G.Lm)	r	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
						145.27			5.1	
EC (mS/m)		рН	Tei	mp. (°(C)	Remarks				
103.3		8.91		30.4						

Site Code		Site Name	District	Governorate
S-11		Al Hesn-Al Abyad	Jehana	Sana'a
Research	Item	2 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source		Researc	ch Item	
Code	raiget Water Source	Pumpi	ng Test	Water Sampling	
S-11/1	New projected deep well	Code:	S-11/1	Code:	S-11/1









Latitude N		Longitud	e E	Altitu	de (m)	m) Present Condition				
15° 11' 33.3"	1	44° 27' 49	9.8"	2,	,310	10 Capped				
Year Const.	D	epth (m)	Cas (i	ing Dia. inch)		Screen				
2005		350		8						
Aquifer / 0	Aquifer / Geological description					/ater el m)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
					153.	19		3.8		
EC (mS/m)		рН	Те	mp. (°C	:)	Remarks				
119.5		8.37		32.9						

Source	Target Water Source	Research Item						
Code	raiget water source	Pumpi	ng Test	Water Sampling				
S-11/2	Existing projected deep well	Code:	S-11/2	Code:	S-11/2			





Latitude N	Longitue	de E	Altitud	de (m)	(m) Present Condition				
15° 11' 43.1"	44° 27' 4	14.9"	2,3	300	0 Working vertical pump			np	
Year Const.	Depth (m)		ing Dia. nch)		Screen				
1980	180		6						
Aquifer / 0		Static Wate Level (G.Lm)		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)			
EC (mS/m)	рН	Те	mp.(°C)) Remarks					
101.8	8.09		31.5	Pumping tests canceled (cannot set equipments				equipments)	

Site Code	Site Name		District	Governorate	
S-12	Mahdah		Jehana	Sana'a	
Research	Item	1 pumping test, 2 water s	samplings for quality analysis		

Source	Target Water Source		Researc	ch Item	
Code	raiget water source	Pumping Test		Water Sampling	
S-12	New projected deep well	Code:	S-12	Code:	S-12









Latitude N		Longitud	le E	Altitude		(m) Present Condition			
15° 09' 06.7"	'	44° 28' 1	6.0"	2,31		Capped			
Year Const.	De	epth (m)	Casing Dia. (inch)			Screen			
2005		350		8					
Aquifer / 0	Geo	logical des	criptio		L	ic Water evel i.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
					58.60 2.1				
EC (mS/m) pH Temp. (°C				mp. (°C)		Re	marks	<u> </u>
39.7		9.66		24.6					

Source	Target Water Source	Research Item				
Code	raiget Water Source	Pumping Test		Water Sampling		
S-12/2	Other Water Source	Code:		Code:	S-12/2	





Latitude N	Longitude E	Altitude (m)	Source Type
15° 09' 01.8"	44° 28' 10.9"	2,313	Dug well
EC (mS/m)	рН	Temp. (°C)	Remarks

Site Code	Site Name		District	Governorate
S-13		Al Ga'ra	Alteyal	Sana'a
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source		Researc	ch Item	
Code Target Water	raiget water source	Pumpi	ng Test	Water Sampling	
S-13	New projected deep well	Code:	S-13	Code:	S-13









Latitude N	Longitu	de E	Altitude	ide (m) Present Condition				<u> </u>
15° 19' 54.9"	44° 27' 4	18.4"	2,60	O3 Capped				
Year Const.	Depth (m)		ng Dia. nch)	Screen				
2006	840							
Aquifer / (Geological des	cription	_	tatic Wa Level (G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
							2.1	
EC (mS/m) pH Temp. (°				CC) Remarks				
80.6 8.20 54.3					P	Pumping test ca	arried by GAR	VSP

Source	Target Water Source	Research Item				
Code	rarget water source	Pumpi	ing Test	Water	Sampling	
S-13/2	Other Water Source	Code:		Code:	S-13/2	





Latitude N	Longitude E	Altitude (m)	Source Type
15° 19' 44.3"	44° 28' 01.7"	2,619	Private well
	ı	Γ	
EC (mS/m)	pН	Temp. (°C)	Remarks

Site Code	Site Name		District	Governorate
S-14		Al Ghail	Nehm	Sana'a
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source	Research Item				
Code	raiget water source	Pumping Test		Water Sampling		
S-14	Existing projected deep well	Code:	S-14	Code:	S-14	









Latitude N	Longitud	de E	Altitude	e (m)	(m) Present Condition			
15° 38' 46.4"	44° 29' 2	1.4"	2,11	17	7 Unused			
Year Const.	Depth (m)	Casing (inc		Screen				
1985	185 (177)	8	1					
Aquifer / (Geological des	cription	S	Static Water Level (G.Lm)DrawdownDischargeSpecific Capacity (L/sec)				
EC (mS/m) pH Temp. (°				C) Remarks				
133.2 7.79 28.3				Pumping test canceled (well collapsed?)			psed?)	

Source	Target Water Source	Research Item				
Code	raiget water source	Pumping Test		Water Sampling		
S-14/2	Other Water Source	Code:		Code:	S-14/2	





Latitude N	Longitude E	Altitude (m)	Source Type
15° 38' 00.8"	44° 25' 22.3"	2,034	Vendor
EC (mS/m)	рН	Temp. (°C)	Remarks
252.0	7.31	27.7	

12.2 Inventory of Water Sources - Dahmar

Site Code	Site Name		District	Governorate
D-01	Elow Al Mikhlaf		Jabal Al Sharq	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source	Research Item				
Code	raiget Water Source	Pumpi	ng Test	Water	Sampling	
D-01	New projected deep well	Code:	D-01	Code:	D-01	









Latitude N		Longitud	le E A	ltitude	e (m)		Pres	ent Condition	1			
14° 48' 11.0"	,	43° 51' 2	8.9"	1,799		O9 Capped				Capped		
Year Const.	De	epth (m)	Casing Dia. (inch)		Screen							
2000		273	8									
Aquifer / 0	Aquifer / Geological description				tatic Wate Level (G.Lm)		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)			
				184.13		1.70	2.4	1.411				
EC (mS/m)		рН	Temp.	(°C)	Remarks							
89.4		7.48	30	.2								

12.2 Inventory of Water Sources - Dahmar

Source	Target Water Source		Resear	ch Item	
Code	raiget water source	Pumpi	ng Test	Water	Sampling
D-01/2	Other Water Source	Code:		Code:	D-01/2





Latitude N	Longitude E	Altitude (m)	Source Type
14° 48' 05.0"	43° 51' 30.2"	1,910	Rain water (cistern)
	I	_	
EC (mS/m)	рН	Temp. (°C)	Remarks
11.4	9.68	22.4	

12.2 Inventory of Water Sources - Dahmar

Site Code	Site Name		District	Governorate
D-02		Hamal Bait Al Jabar	Jabal Al Sharq	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source	Research Item					
Code	Target Water Source	Pumpi	ng Test	Water Sampling			
D-02	Existing projected deep well	Code:	D-02	Code:	D-02		









				1			
Latitude N	de E A	Altitude (m)		Present Condition			
14° 44' 38.6"	2' 38.6" 43° 56' 45.2" 2,205 Working vertical pump				np		
Year Const.	Depth (m)	Casing I (inch	Dia.	Screen			
1985	310	8					
Aquifer / 0	Aquifer / Geological description				Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
				185.80	23.50	3.5	0.149
EC (mS/m)	рН	Temp.	(°C)	Remarks			
50.3	7.83	31.	7				

	Source Code Target Water Source		Resear	ch Item	
Code			ing Test	Water Sampling	
D-02/2	Other Water Source	Code:		Code:	D-02/2





Latitude N	Longitude E	Altitude (m)	Source Type
14° 42' 02.1"	43° 58' 18.2"	2,014	Vendor
EC (mS/m)	рН	Temp. (°C)	Remarks

Site Code		Site Name	District	Governorate
D-03		Hegrat Al A'asham	Jabal Al Sharq	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source Target Water Source		Target Water Source			
Code	rarget water source	Pumpi	ng Test	Water Sampling	
D-03	New projected deep well	Code:	D-03	Code:	D-03









Latitude N	Longitue	Longitude E Altit		(m)	Pres	ent Condition	1
14° 42' 51.6"	3' 51.6" 43° 59' 53.7"		2,04	11 Capped			
Year Const.	Depth (m) Casing Dia (inch)		Dia.	Screen			
1999	320	8	8				
Aquifer / (Geological des	cription	St	tatic Wate Level (G.Lm)	Drawdown	Discharge (L/sec)	Specific Capacity (L/s/m)
				163.05 20.90 5.0 0.239			
EC (mS/m)	рН	Temp.	. (°C)		Re	marks	
44.5	7.12	29	9.2				

Source	Larget Mater Source		Research Item			
Code	raiget water source	Pumpi	ng Test	Water	Sampling	
D-03/2	Other Water Source	Code:		Code:	D-03/2	





Latitude N	Longitude E	Altitude (m)	Source Type
14° 42' 59.7"	43° 59′ 57.2"	2,047	Spring
EC (mS/m)	На	Temp. (°C)	Remarks
	P	10	
41.4	7.48	21.7	Some times use D-02/2

Site Code		Site Name	District	Governorate
D-04		Al Kuob	Duran	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source			Resear	ch Item	
Code	rarget water source	Pumpi	ng Test	Water Sampling	
D-04	New projected deep well	Code:	D-04	Code:	D-04









Latitude N		Longitude E Alti		Altitu	ude	(m)		Pres	ent Condition	 I
14° 45' 25.7"	,	44° 10′ 53.3″		2,23	7 Capped					
Year Const.	const. Depth (m) Casing Dia (inch)		a. Screen							
1999		152		8						
Aquifer / 0	Geo	logical des	criptio	n	St	atic Wa Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
EC (mS/m)		рН	Те	Temp. (°C)				Rei	marks	
45.5		7.23		28.6						

Source	Target Water Source	Research Item				
Code	raiget water source	Pumpi	ng Test	Water Sampling		
D-04/2	Other Water Source	Code:		Code:	D-04/2	





Latitude N	Longitude E	Altitude (m)	Source Type
14° 46' 07.2"	44° 11' 34.0"	2,149	Vendor
EC (mS/m)	рН	Temp. (°C)	Remarks
48.6	7.99	27.8	

Site Code	Site Name		District	Governorate
D-05	Mayfa'at Yaer		Ans	Dahmar
Research	Item	1 pumping test, 1 water s	sampling for quality analysis	

Source	Target Water Source	Research Item					
Code	Target Water Source	Pumpi	ng Test	Water	Sampling		
D-05	Existing projected deep well	Code:	D-05	Code:	D-05		









Latitude N	Longitu	ide E Al	titude	e (m)	Present Condition		
14° 33' 39.9"	44° 14'	12.3"	2,176 Working vertical put		np		
Year Const.	Casing I (inch	Dia.		Sc	reen		
1984 127 8							
Aquifer / 0	Geological de	scription	Si	tatic Water Level (G.Lm)	Drawdown (m)	Discharge	Specific Capacity (L/s/m)
				59.56	3.22	2.6	0.807
EC (mS/m) pH Temp. (°C				Remarks			
53.2 7.28 30.4							

Site Code	Site Name		District	Governorate
D-06	Wardasan		Ans	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Ī	Source Code	Target Water Source	Research Item					
		Target water Source	Pumpi	ng Test	Water	Sampling		
	D-06	Existing projected deep well	Code:	D-06	Code:	D-06		









Latitude N		Longitud	le E	Altitu	tude (m)			Present Condition		
14° 24' 32.5"	,	44° 20' 3	6.4"	2,118 Working vertical pur		ηp				
Year Const. Depth (m)			Casi (ir	ng Dia	Screen					
1998 220 8			8							
Aquifer / (Geolo	gical desc	cription	1		atic Wate Level G.Lm)		Drawdown	Discharge (L/sec)	Specific Capacity (L/s/m)
						89.65		42.25	0.5	0.012
EC (mS/m) pH Temp. (°C				np. (°(;)			Rei	marks	
143.1 8.18 32.5										

Source	Target Water Source	Research Item					
Code	Target Water Source	Pumpi	ng Test	Water	Sampling		
D-06/2	Other Water Source	Code:		Code:	D-06/2		





Latitude N	Longitude E	Altitude (m)	Source Type
14° 24' 29.9"	44° 20' 59.7"	2,122	Private well
	1	1	
EC (mS/m)	На	Temp. (°C)	Remarks
- ()	u-	- 1 (-)	

Site Code	Site Name		District	Governorate
D-07	Al Asakera		Mayfa'a	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

	Source Code	Target Water Source	Research Item					
		Target water Source	Pumpi	ng Test	Water	Sampling		
	D-07	New projected deep well	Code:	D-07	Code:	D-07		









Latitude N	l	Longitud	e E Alt	itude	(m)	Present Condition			
14° 32' 24.8"	•	44° 40' 0	1.7"	2,589 Capped					
Year Const. Depth (m)			Casing D (inch)	ia.			Sc	reen	
1999 304 8									
Aquifer / 0	Geolog	ical desc	cription	St	tatic Wate Level (G.Lm)		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
					193.58		1.55	4.5	2.903
EC (mS/m) pH Temp. (°C				°C)			Rei	narks	
100.4 7.07 37.7				•					

Source	Target Water Source	Research Item				
Code	rarget water Source	Pumpi	ng Test	Water	Sampling	
D-07/2	Other Water Source	Code:		Code:	D-07/2	





Latitude N	Longitude E	Altitude (m)	Source Type
14° 32' 18.3"	44° 40' 02.9"	2,582 Private well	
	T	T	
EC (mS/m)	рН	Temp. (°C)	Remarks
95.9	7.07	34.1	Sample from booster tank

Site Code	Site Name		District	Governorate
D-08		Masneat Abdul Aziz	Mayfa'a	Dahmar
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source		Researc	ch Item	
Code	raiget water source	Pumping Test Water Sampling		Sampling	
D-08	New projected deep well	Code:	D-08	Code:	D-08









Latitude N		Longitud	gitude E Altit		Altitude (m		m) Present Condition			l
14° 26' 49.2"	,	44° 31' 5	1.8"	2,508		08 Capped				
Year Const.	D	epth (m)	Cas (i	Casing Dia. (inch)		Screen				
2004		268		8						
Aquifer / (Geo	logical des	criptio	n		atic Wat Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
						61.98		61.70	4.5	0.073
EC (mS/m)		рН	Те	mp. (°C	;)	Remarks				
34.2		8.25		33.5						

Source	Torget Water Source		Resea	rch Item		
Code	Target Water Source	Pum	ping Test	Water S	Water Sampling	
D-08/2	Other Water Source	Code:		Code:	D-08/2	
	No photo		No photo	0		

Latitude N	Longitude E	Altitude (m)	Source Type
14° 27' 56.1"	44° 32' 13.6"	2,468	Vendor
	T	•	T
EC (mS/m)	рН	Temp. (°C)	Remarks
39.8	8.21	30.6	

Site Code	Site Name		District	Governorate
I-01		Asfal Bani Saba	Al Qafr	lbb
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Larget Water Source		Research Item			
Code	raiget water source	Pumping Test Water S		Sampling		
I-01	New projected deep well	Code:	I-01	Code:	I-01	









Latitude N	Longitu	Longitude E		e (m)	Present Condition			
14° 13' 43.8"	44° 14' 4	11.8"	1,8	312	Capped			
Year Const.	Depth (m)	Casi (ir	ng Dia. nch)	Screen				
2005	305	8	2-5/8					
Aquifer / 0	Aquifer / Geological description				er)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
				107.40			4.5	
EC (mS/m)	рН	Ter	np. (°C)	Remarks				
43.4	8.40		30.1					

Source Target Water Source		Research Item				
Code	raiget water source	Pumping Test		Water	Water Sampling	
I-01/2	Other Water Source	Code:		Code:	I-01/2	





Latitude N	Longitude E	Altitude (m)	Source Type	
14° 13' 36.5"	44° 14' 22.5"	1,768	Private well	
FO (O()		T (00)		
EC (mS/m)	pН	Temp. (°C)	Remarks	

Site Code	e Code Site Name		District	Governorate
<i>I-02</i>	02 Al Sana		Al Makhader	lbb
Research	Item	1 pumping test, 1 water s	sampling for quality analysis	

Source	Target Water Source	Research Item			
Code	le larget water Source		ng Test	Water	Sampling
<i>I-02</i>	New projected deep well	Code:	I-02	Code:	I-02









				· ·				
Latitude N	Longitud	de E	Altitude	e (m)		Pres	Present Condition	
14° 13' 36.9"	' 44° 14' 0	1.5"	5" 1,74		1 Capped			
Year Const.	Depth (m)	Casing Dia. (inch) Screen						
2005	272	8-5	8-5/8					
Aquifer / (Geological des	cription	S	Static War Level		Drawdown	Discharge	Specific Capacity
				(G.Lm)	(m)	(L/sec)	(L/s/m)
				36.10			3.9	
EC (mS/m)	рН	Tem	p. (°C)			Rei	marks	
49.6	7.99	;	31.2					

Source	Target Water Source				
Code	ode Target Water Source	Pumpi	ing Test	Water	Sampling
I-02/2	Other Water Source	Code:		Code:	I-02/2

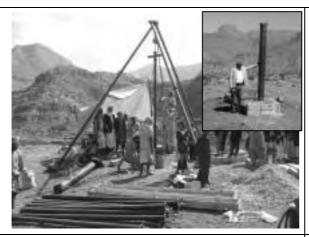




Latitude N	Longitude E	Altitude (m)	Source Type
14° 13′ 36.5″	44° 14' 22.5"	1,768	Private well
	_		
EC (mS/m)	pН	Temp. (°C)	Remarks

Site Code	Site Name		District	Governorate
<i>I-03</i>		Mamasa Al Marqab	Al Makhader	lbb
Research	Item	1 pumping test, 1 water s	sampling for quality analysis	

Source	Target Water Source		Resear	ch Item	
Code	e larget water Source	Pumpi	ng Test	Water	Sampling
<i>I-03</i>	New projected deep well	Code:	I-03	Code:	I-03









Latitude N	Longitu	de E A	ltitude	(m)	Pres	ent Condition	1
14° 11' 15.3"	44° 12' (9.1"	1,64	8 И	Working vertical pump (private, temporary		
Year Const.	Depth (m)		Casing Dia. (inch)		Screen		
2005	78	8					
Aquifer / (Geological des	cription	St	atic Water Level (G.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
				47.78	6.57	1.6	0.243
EC (mS/m)	рН	Temp.	(°C)		Rei	marks	
69.4	7.12	30	0.6				

Site Code		Site Name	District	Governorate
<i>I-04</i>	Al	Jahlah & Al Meshraq	lbb	lbb
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source	Research Item			
Code	de Target Water Source		ng Test	Water Sampling	
I-04	New projected deep well	Code:	I-04	Code:	I-04









Latitude N		Longitud	le E	E Altitu		(m)		Pres	ent Condition	<u> </u>
13° 55' 44.8"	,	44° 14' 5.	3.4"	4" 1,8		3	Capped			
Year Const.	De	epth (m)	Cas (i	Casing Dia. (inch)		sing Dia. (inch)		Screen		
2005		305	8	3-5/8						
Aquifer / 0	Geo	logical desc	criptio	n		atic Wat Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
						14.85		95.30	4.1	0.043
EC (mS/m)		рН	Те	Temp. (°C)				Rei	marks	
64.6		8.32		27.0						

Source	Target Water Source	Research Iter				
Code	Code Target Water Source		Pumping Test		Water Sampling	
I-04/2	Other Water Source	Code:		Code:	I-04/2	





Latitude N	Longitude E	Altitude (m)	Source Type
13° 56' 07.5"	44° 14' 55.5"	1,843	Spring
FO (O()		T (°C)	Bart.
EC (mS/m)	рН	Temp. (°C)	Remarks
83.6	7.39	21.4	

Site Code		Site Name	District	Governorate
T-01		Al Muayteeb	Mawiyah	Taiz
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Target Water Source		Researc	ch Item	
Code	raiget water source	Pumpi	ng Test	Water Sampling	
T-01	New projected deep well	Code:	T-01	Code:	T-01









Latitude N		Longitud	le E	Altitude		m) Present Condition			
13° 39' 32.5"	'	44° 13' 1	2.6"	1,29		1 Capped			
Year Const.	De	epth (m)	Casing Dia. (inch)			Screen			
2005		300	8			56-68, 164-?,194-248			
Aquifer / (Geol	ogical des	cription	n		ntic Water Level G.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
EC (mS/m)		рН	Tei	mp. (°C	;)	Remarks			
252.0		7.22		61.1	_				

Source	Target Water Source	Research Item				
Code	raiget water source	Pumping Test		Water Sampling		
T-01/3	Other Water Source	Code:		Code:	T-01/3	





Latitude N	Longitude E	Altitude (m)	Source Type
13° 39' 47.5"	44° 13' 04.1"	1,300	Private well
EC (mS/m)	n LI	Town (°C)	Domorko
EC (mS/m)	рН	Temp. (°C)	Remarks

Site Code		Site Name	District	Governorate
T-02		Bani Al Suror	Al Ma'afer	Taiz
Research	Item	3 pumping tests, 4 water	samplings for quality analysis	

Source Target Water Source			Resear	ch Item	
Code	raiget water source	Pumpi	ng Test	Water Sampling	
T-02/1	Existing projected deep well (Bir 1)	Code:	T-02/1	Code:	T-02/1









Latitude N	Longitue	de E Alti	Altitude (m) Present Condition				
13° 22' 51.9"	43° 58' (00.7"	1,271 Working submersible pump				
Year Const.	Depth (m)	Casing Di (inch)	a.	Screen			
1982	230						
Aquifer / (Geological des	cription	St (atic Water Level (G.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
				183.88	21.11	2.6	0.123
EC (mS/m)	рН	Temp. (C)) Remarks			
113.3	7.05	37.5					

Source	Target Water Source		Resear	ch Item	
Code	raiget water source	Pumpi	ing Test	Water	Sampling
T-02/2	Existing projected deep well (Bir 2)	Code:		Code:	T-02/2





Latitude N	Longitude E	Altitude (m)	Source Type
13° 22′ 34.8″	43° 57' 39.2"	1,250	Deep well
EC (mS/m)	рН	Temp. (°C)	Remarks
		,	

Source	Target Water Source	Research Item			
Code	raiget water source	Pumpi	ng Test	Water	Sampling
T-02/3	Existing projected deep well (Bir 3)	Code:	T-02/3	Code:	T-02/3









Latitude N		Longitud	le E	Altitu	ıde	de (m) Present Condition				
13° 23' 52.6"	1	43° 58' 2	5.6" 1,20		1,209 Working submersible pump			итр		
Year Const.	D	epth (m)	Casing Dia. (inch)		-	Screen				
2001		251								
Aquifer / 0	Geo	logical des	criptio	n		atic Water Level G.Lm)	Drawdown (m)	Discharge	Specific Capacity (L/s/m)	
						117.62	21.11	2.6	0.123	
EC (mS/m)		рН	Те	mp. (°(C) Remarks					
122.4		7.42		39.2						

Source	Target Water Source		Resear	ch Item	
Code	raiget water source	Pumpi	ng Test	Water Sampling	
T-02/4	New projected deep well (Bir 4)	Code:	T-02/4	Code:	T-02/4









Latitude N		Longitud	le E	Altitu	Altitude (m)			Present Condition			
13° 21' 52.2" 43° 58' 24.2"				1,22	226 Capped						
Year Const.	D	epth (m)	Cas (i	Casing Dia. (inch)		Screen					
1998		190		8							
Aquifer / 0	Aquifer / Geological description					atic Wa Level G.Lm		Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)	
EC (mS/m) pH Temp. (°C)				2)) Remarks						
98.8		6.96		29.5							

Site Code		Site Name	District	Governorate
T-03		Sheb Humran	Al Ma'afer	Taiz
Research	Item	2 pumping tests, 3 water	samplings for quality analysis	

Source	Target Water Source		Resear	ch Item	
Code	raiget water source	Pumpi	ng Test	Water Sampling	
T-03/1	New projected deep well (Al Jah (1))	Code:	T-03/1	Code:	T-03/1









Latitude N	Longitud	le E Altit	ude	de (m) Present Condition				
13° 20' 50.1" 44° 02' 55.2"			1,25	257 Capped				
Year Const.	Depth (m)	Casing Dia (inch)	asing Dia. (inch) Screen					
2005	400	12						
Aquifer / (Geological des	cription		atic Water Level G.Lm)	Drawdown (m)	Discharge	Specific Capacity (L/s/m)	
				22.22	22.29	4.0	0.179	
EC (mS/m)	рН	Temp. (°	(C)) Remarks				
102.5	6.97	27.0						

Source	Target Water Source	Research Item					
Code	raiget water source	Pumpi	ng Test	Water Sampling			
T-03/2	Existing projected deep well (Al Mahas (2))	Code:		Code:	T-03/2		





Latitude N	Longitude E	Altitude (m)	Source Type
13° 20' 56.7"	44° 02' 53.6"	1,274	Deep well
	T		
EC (mS/m)	рН	Temp. (°C)	Remarks
112.1	7.14	28.5	Seasonal

Source	Target Water Source	Research Item					
Code	larger water source	Pumpi	ng Test	Water Sampling			
T-03/4	Existing projected deep well (Al Meashaar(4))	Code:	T-03/4	Code:	T-03/4		









Latitude N	Latitude N Longitude E			Altitu	Altitude (m)		Present Condition				
13° 23' 54.8"	13° 23′ 54.8″ 44° 01′ 07.0″		1,366		6	Working submersible pump					
Year Const.	ear Const. Depth (m) Casing Dia. (inch)				-	Screen					
1998		260									
Aquifer / (Aquifer / Geological description					atic Water Level G.Lm)	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)		
						24.19	4.02	4.2	1.045		
EC (mS/m)		рН	Tei	mp. (°(C) Remarks						
93.9		7.37		26.3							

Site Code		Site Name	District	Governorate		
T-04		Yafoq Bani Hamad	Al Mawaset	Taiz		
Research	Item	1 pumping test, 1 water s	sampling for quality analysis			

Source Code	Target Water Source		Resear	ch Item	
	raiget water source	Pumpi	ng Test	Water Sampling	
T-04	Existing projected deep well	Code:	T-04	Code:	T-04









Latitude N	Latitude N Longitude E			Altitude (m)		Present Condition			
13° 18′ 46.5″ 44° 05′ 46.8″			6.8"	1,	381	Working submersible pump			
Year Const.	D	epth (m)	Cas (i	ing Dia. inch)	Screen				
1982		220		8					
Aquifer / 0	Aquifer / Geological description					iter	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
					124.10)	1.91	3.0	1.571
EC (mS/m)		рН	Те	mp. (°C) Remarks				
87.7		7.27		28.1					

Site Code	Site Name		District	Governorate
T-05		Al Azaez	Al Shamayaten	Taiz
Research	Item	1 pumping test, 3 water s	samplings for quality analysis	

Source Target Water Source			Resear	earch Item		
Code	raiget water source	Pumpi	ng Test	Water Sampling		
T-05/1	Existing projected deep well (Marda'a Alhomary(1))	Code:	T-05/1	Code:	T-05/1	







No photo

Latitude N		Longitude E Altitu		ide (m)	(m) Present Condition		1		
13° 13' 34.5"	'	44° 02' 1	7.8"	1,	1,377 Unused				
Year Const.	Dep	oth (m)		ing Dia. nch)			Sc	reen	
1985	120		120 8						
Aquifer / (Geolo	ogical desc	criptio	n	Static V Lev	el	Drawdown (m)	Discharge (L/sec)	Specific Capacity (L/s/m)
					8.2)	45.19	2.0	0.044
EC (mS/m)		рН	Те	mp. (°C	;)		Rei	marks	
167.5		7.03		27.0					

Source Target Water Source			Resear	ch Item	
Code	raiget water source	Pumpi	ng Test	Water	Sampling
T-05/2	Existing projected deep well (Sohyab (2))	Code:		Code:	T-05/2





Latitude N	Longitude E	Altitude (m)	Source Type
13° 13' 27.2"	44° 02' 28.4"	1,379	Deep well
EC (mS/m)	рН	Temp. (°C)	Remarks
82.0	6.90	28.1	

Source Target Water Source		Research Item				
Code	raiget Water Source	Pumpi	ng Test	Water	Sampling	
T-05/4	Spring (Al Hagareen)	Code:		Code:	T-05/4	





Latitude N	Longitude E	Altitude (m)	Source Type
13° 13' 28.9"	44° 04' 42.7"	1,575	Spring
EC (mS/m)	На	Temp. (°C)	Remarks
Lo (mo/m)	ριι	remp. (0)	Nemarks
109.3	7.12	24.3	Tank: W=3.8xL=14xH=4-7m=327m³. Q=18.2m³/h =5.04l/s (July)

Site Code	de Site Name		District	Governorate
T-06		Al Khunha	Al Wazieyah	Taiz
Research	Item	1 pumping test, 2 water s	samplings for quality analysis	

Source	Larget Water Source		Resear	ch Item	
Code	raiget water source	Pumpi	ng Test	Water Sampling	
T-06	New projected deep well	Code:	T-06	Code:	T-06









Latitude N		Longitude E Altitu		ıde	(m)) Present Condition			<u> </u>	
13° 06' 21.0"	,	43° 45' 0	3.9"	3.9"		539 Capped				
Year Const.	De	epth (m)		Casing Dia. (inch)					reen	
2004		200		8		50-56, 83-98, 116-188				
Aquifer / (Geo	logical desc	criptio	n		atic Wat Level G.Lm		Drawdown	Discharge (L/sec)	Specific Capacity (L/s/m)
						-0.53		5.67	8.8	1.552
EC (mS/m)		рН	Те	mp. (°C	;)			Rei	marks	
123.3		7.21		39.5						

Source Target Water Source			Resear	ch Item	
Code	raiget water source	Pumping Test		Water Sampling	
T-06/2	Other Water Source	Code:		Code:	T-06/2





Latitude N	Longitude E	Altitude (m)	Source Type
13° 04' 46.8"	43° 44' 48.5"	492	Dug well
EC (mS/m)	pH	Temp. (°C)	Remarks
` ,	•	,	

No.	DENTIFICATION PANEL	!			Description		_	
i		A-01	Ţ		Вооприст			
	Site Name	Al Sha'afel A	Al Olyah & Al S	Sufla	L		primara disarra. Matananan	maril de production des la companyation de la companya
	Sub-District (Uzlat)	Al Sha'afel						
	District	Al Khabt				to 6	1. 3 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	Governorate	Al Mahweet				. All a language	was in the first	
	Coordinates	Latitude	Longitude	2.132		Extraction	NEW TOWN	
	: 				•		se ta in proving gij.	
	Coordinates (Measured Location)	 	-	· ·			. 8 9 7 7 7 8 8	
	Annual precipitation (rainfall)		mm	نتنا حادد بنبا	<u> </u>	<u> </u>	MAT PARTY	
ļ	Population (2006)	9,405						
	Population Forecast(2016)	12,481 22						naga filipata - raga filipa natarakan - raga filipa
	No. of Village (Qariah) in Total	22	1	***************************************	<u> </u>	1 1/4 1 1 1 A23		15 15 15 15 15 15 15 15 15 15 15 15 15 1
l	No. of Village (Qariah) to be served	L	ame	Popu	lation	Household	Coordinal	e (Lat / Lon)
		Suda	aii 10	ГОР	1,500	280		E (Eat / Lon)
		Al Galia			350	75		
		Al Theara'h			600	90		
		Al Khumash			850			
		Al Luhuf Al A	Ala		1,400			
		Al Aukash			350			
	• •	Shahyiah			300			
		Deer Al Sab	eq		900	150		
	:	Al Aurgain			355	73		
	, , , , , , , , , , , , , , , , , , ,	Al Khumeeri			320	60		
l	Village (Qariah) in the Community	Bab Al Sha'a			200	40		
		Wadi Al Mud Al Madraj	ieeran		250 100	55 25		
<u> </u>	<u> </u> 	Al Khatmah			280	∠ə 55		
		Al Dahla			30	5		-
		Dhabian			210	35		
	<u> </u> 	Habeel Al Jo	one		260	55		·
		Al Elaq			150	30		
		Al Areedh			250	55		
		Al Howyiah			200	50		
		Al Madafen			300	50		1
	!	Maqsaab			250	40		<u>i_</u>
No.	NG WATER SUPPLY SCHEME PANEL				Description			
	Functioning	No existing		÷.			more College Silver	<u> </u>
	Components of Existing Water Supply Scheme	Comp Pump for De	ponent	Speci	ication	Condition	Year	Fund
	· · · · · · · · · · · · · · · · · · ·	Eng /Gen. fo	r Deep Well					·
		Pump House	e for Deep We	·				
						:		
	<u></u>	Pump for Bo						
		Eng./Gen. fo	r Booster			!		
			or Booster e for Booster			!		
		Eng./Gen. fo Pump House Booster Tan Distribution	or Booster e for Booster k Tank			!		
		Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma	or Booster e for Booster k Tank in					
		Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N	or Booster e for Booster k Tank iin Main					
		Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst	or Booster e for Booster k Tank in Main					
	Observations	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N	or Booster e for Booster k Tank in Main					
WATER	R SOURCE PANEL	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst	or Booster e for Booster k Tank in Main					
WATER No.	R SOURCE PANEL Item	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst	or Booster e for Booster k Tank in Main		Description			
WATER	R SOURCE PANEL	Eng./Gen. fo Pump House Booster Tan Distribution Tustibution Tus	or Booster of for Booster k Tank iin Main and ection		Description			
WATE No.	R SOURCE PANEL Item	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn	or Booster of for Booster k Tank iin Main and ection		Description			
WATE No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM)	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn North 1709668	or Booster of for Booster k Trank lin Main and ection East 317540		Description			
WATE No.	R SOURCE PANEL Item [Borehole Code]	Eng /Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn North 1709668 Lat. N	r Booster for Booster k Tank iin Main and ection East 317540 Lon. E		Description			
WATE No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon)	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0"	or Booster of for Booster k Trank lin Main and ection East 317540		Description			
WATER No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type)	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0"	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1"		Description			
No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m)	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0"	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1"		Description			
No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type)	Eng /Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution North House Conn North 1709668 Lat. N 15°27' 27.0" Capped	r Booster of or Booster k Tank Jin Main And ection East 317540 Lon. E 43°17' 58.1"		Description			
No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description	Eng./Gen. fo Pump House Booster Tan Distribution Pumping Ma Distribution N Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0"	r Booster of or Booster k Tank iin Main and ection East 317540 Lon. E 43°17' 58.1"		Description		10 10 10 10 10 10 10 10 10 10 10 10 10 1	
WATE No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction	Eng /Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 2005 Local Counc	r Booster e for Booster k Tank iin Main and ection East 317540 Lon. E 43°17' 58.1"		Description	Carrer wit		
WATE No.	R SOURCE PANEL Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch)	Eng /Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 2005 Local Counc	r Booster of or Booster k Tank iin Main and ection East 317540 Lon. E 43°17' 58.1"		Description	No. 1	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen	Eng./Gen. fo Pump House Booster Tani Distribution in Pumping Ma Distribution in Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 2005 Local Counc 192	r Booster e for Booster k Tank iin Main and ection East 317540 Lon. E 43°17' 58.1" m inch		Description	No. 1		
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm)	Eng /Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 Local Counc 192 8	r Booster of for Booster k Tank in Main and ection East 317540 Lon. E 43°17' 58.1" m inch		Description	No. 1		
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm)	Eng / Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 Local Counc 192 8	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1" m inch		Description	No. 1		
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m)	Eng / Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 Local Counc 192 8	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1" m inch m m					
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge	Eng / Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 Local Counc 192 8 27 177 150	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1" m inch m g/min		Description			
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity	Eng /Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 2005 Local Counc 192 8 27 177 150 70	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1" m inch m g/min L/s/m	4.4				
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity EC (mS/m)	Eng /Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 2005 Local Counc 192 8 27 177 150 70 0.035 180.9	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1" m inch m g/min L/s/m mS/m					
WATEI No.	Item [Borehole Code] Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity	Eng /Gen. fo Pump House Booster Tan Distribution I Pumping Ma Distribution I Public Tapst House Conn North 1709668 Lat. N 15°27' 27.0" Capped 355 2005 Local Counc 192 8 27 177 150 70	r Booster of for Booster k Tank lin Main and ection East 317540 Lon. E 43°17' 58.1" m inch m g/min L/s/m mS/m	4.4				

	ER SUPPLY PLANNING PANEL				Description			
No.	ltem	Description						er en en en en en
	[Design Parameter]		, NA GARA	<u>.</u> ,	2.1	Spring the many fields		1 Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	No. of Villages in Total	22			۵. <u></u>			and the second
	No. of Villages to be Covered	22						
	Current Population (2005)	9,405			<u> </u>			Mark Supplemental
<u> </u>	Design Population (2025)	12,481		1		38.30		
l	Design Water Supply Rate	40	L/c/d	499	m³/day			
	Type of Work Required	New construc	ction	A	• • ,		X.)	
	Required Facilities	Comp		To be Co	nstructed by		Notes	
		Pump for De	ep Well	Donor		New		
		Eng./Gen. for	r Deep Well	Donor		New		
		Pump House	for Deep We	Donor/Villag	je	New		
		Pump for Boo	oster	Donor		New x 2		
i		Eng./Gen. for	r Booster	Donor		New x 2		
		Pump House	for Booster	Donor/Villag	je	New x 2		
		Booster Tank		Donor		New x 2		
		Distribution T	ank	Donor		New		
		Pumping Mai		Donor		New		
				Donor		New		
		Public Tapsta		Donor		New (for mos	sque, school	and clinic onl
		House Conne		Village				
	Accessibility			ssible through	n paved road.	Upper village	accessiblity i	is possible
		through dirt t	rack.					
	Security	No problem						
	Observation	į						
OPER	RATION AND MAINTENANCE PANEL							
No.	Item	.]			Description			
	No. of Village Head (Sheikh)	į				No endate	analysis is in	
	No. of Tribe						eran eta	
	Observation in Current Supply Scheme							1
	Mode of Ownership							
	Mode of Management Entity				[
	Organizational Management	:			i			
	Technical Operation and Maintenance							
l	Financial Management and Transparency		. <u> </u>					
	Stakeholder Involvement / Responsibility Sha	ıring						
	Community Contribution							
	Community Contracting-Out							
	Conflict Resolution		<u></u>			İ		<u> </u>
	Pro-Gender and Pro-Poor				_			
	Remarks	1	<u> </u>	<u> </u>	1	I	<u> </u>	<u> </u>

SITE	IDENTIFICATION PANEL							
No.	Item				Description			
	Code No.	A-02				[gar 4.7] 	19.0美装了	
	Site Name	Jabal Al Tara	af					
	Sub-District (Uzlat)	Jabal Al Tara	af					
	District	Al Mahweet					aliza e profesio de la composición de La composición de la	
	Governorate	Al Mahweet			**		Ali jugoji s	
		Latitude	Longitude					
	Coordinates		·			4 4 1, 1		A . (1.1)
	Coordinates (Measured Location)	1	1	·				
	Annual precipitation (rainfall)	470	mm		4.1			and the second
	Population (2006)	2,727			<u> </u>	ti napsi4:	an in the table of	
	Population Forecast (2016)	3,619		· · · · · · · · · · · · · · · · · · ·			(3	· · · · · · · · · · · · · · · · · · ·
	No. of Village (Qariah) in Total	24		TAKE TO				
	No. of Village (Qariah) to be served	9			The state of		Angle Company	1 1 1
		1 -	, ime	Pop	ulation	Household	Coordinate	(Lat / Lon)
		Al Namer			512	90		!
		Al Hisn		1	314	51		
	-	Al Fayesh			152	27		
	-	Al Manakh		!	418	82		
	[⊥] Village (Qariah) in the Community	Al Shaqa		<u>:</u>	138	21		
	-	Al Soug		<u> </u>	102			
	_	Al Mahajir			201	19		
	4	Mahla			514	39 92		
	_	Al Midfanah		1	376			
=34165	ING WATER SUPPLY SCHEME PANEL	Ai Midianan			3/0	65		
					Description			
No.	Item	Functional		r	Description	نــــ خـــن	The state of the	
	Functioning		onent	Spee	fication	Condition	Year	Fund
	Components of Existing Water Supply Scheme	Pump for De		Vertical	CAPRARI	Condition		GAREW
		Engine for D		vertical	Technodrive			GAREW
	· · · · · · · · · · · · · · · · · · ·		eep well for Deep We		recnnoarive			
								GAREW
		Pump for Bo		Horizontal	JET			GAREW
	<u> </u>	Engine for Bo			IVECO			GAREW
		Pump House		RC	05 0			GAREW
		Booster Tank		RC	25m3			GAREW
		Distribution 1		RC	100m3			GAREW
		Pumping Ma		SGP				GAREW
		Distribution N		SGP	ļ		1999	GAREW
		Public Tapst		,	į l			
		House Conn	ection		ļ			
	Observations							
A 1	R SOURCE PANEL							
NO.	ltem .				Danadation			
	[P		-		Description	**	V 4 4474	
	[Borehole Code]	North	Foot	# · · · · · · · · · · · · · · · · · · ·	Description	· ·	 	· · · · · · · · · · · · · · · · · · ·
	[Borehole Code] Grid (UTM)	North	East	1 1	Description			
	<u> </u>	1707431	339834		Description		la de la companya de	
	<u> </u>	1707431 Lat. N	339834 Lon. E		Description			
	Grid (UTM) Grid (Lat/Lon)	1707431 Lat. N 15°26' 20.4"	339834 Lon. E 43°30′ 26.1″		Description			
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type)	1707431 Lat. N 15°26' 20.4" Working ve	339834 Lon. E 43°30′ 26.1″ ertical pump		Description			
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m)	1707431 Lat. N 15°26' 20.4"	339834 Lon. E 43°30′ 26.1″ ertical pump		Description	20 720		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description	1707431 Lat. N 15°26' 20.4" Working ve	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e comment		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction	1707431 Lat. N 15°26' 20.4" Working ve 1111	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e comment		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e comment		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e comment		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e comment		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8	339834 Lon. E 43°30' 26.1" ertical pump m		Description	e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8 26 54	339834 Lon. E 43°30' 26.1" ertical pump m m inch			e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge	1707431 Lat. N 15°26' 20.4" Working ve 11111 1997 GAREW 165 8-5/8 26 54 28	339834 Lon. E 43°30' 26.1" ertical pump m m inch m m m g/min		Description L/sec	e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8 26 54 28 70 0.1577	339834 Lon. E 43°30' 26.1" ertical pump m m inch m m m g/min L/s/m			e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity EC (mS/m)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8 26 54 28 70 0.1577 71	339834 Lon. E 43°30' 26.1" ertical pump m m inch m m m g/min L/s/m mS/m			e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity EC (mS/m)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8 26 54 28 70 0.1577 71 7.27	339834 Lon. E 43°30' 26.1" ertical pump m m inch m m m g/min L/s/m mS/m			e disample		
	Grid (UTM) Grid (Lat/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge Specific Capacity EC (mS/m)	1707431 Lat. N 15°26' 20.4" Working ve 1111 1997 GAREW 165 8-5/8 26 54 28 70 0.1577 71	339834 Lon. E 43°30' 26.1" ertical pump m m inch m m m g/min L/s/m mS/m			e disample		

	R SUPPLY PLANNING PANEL		Description					
No.	ltem	<u> </u>	Description	Divide the Committee of				
	[Design Parameter]							
	No. of Villages in Total	24						
	No. of Villages to be Covered	9						
	Current Population (2005)	2,727		Company of the Compan				
	Design Population (2025)	3,619	A 4E The					
	Design Water Supply Rate	40 L/c/d	145 m ³ /day					
	Type of Work Required	Rehabilitation						
	Required Facilities	Component		Notes				
		Pump for Deep Well	-	Replace				
		Eng./Gen. for Deep Wel	4	Replace				
		Pump House for Deep V	Ve					
		Pump for Booster		Replace				
		Eng./Gen. for Booster		Replace				
		Pump House for Booste	<u>r</u>					
		Booster Tank	<u> </u>	Expansion				
		Distribution Tank						
		Pumping Main	<u> </u>					
		Distribution Main		Replace with larger diam., and extens				
		Public Tapstand		· · · · · · · · · · · · · · · · · · ·				
		House Connections						
	Accessibility	Good, along paved road						
	Security							
	Observation							
)PER	ATION AND MAINTENANCE PANEL							
lo.	Item	_	Description					
10.	No. of Village Head (Sheikh)	?						
	No, of Tribe	1	<u></u>					
	INO, OF THE	Problem with nump unit	is observed, changing pumi	head frequently because of overuse.				
			pump head increases expe					
	Observation in Current Supply Scheme	Leakages in pipelines are observed.						
	Observation in Current Supply Scheme	In the scheme construct	ion 20% of project costs ar	e contributed by the community in the				
		forms of labor and mate	rial (sands and stones) prov	ision, while 80% of costs are borne by				
		Local Ourseship is yest	nd to the community in trad	tional manner (Document for legal				
		Legal Ownership is vested to the community in traditional manner (Document for legal						
	Mode of Ownership	ownership is not prepared). Scheme was handed over to the community, but no minutes of understanding are prepare						
		Management Board is registered under Ministry of Social Affairs.						
		General Assembly for W	ater management is ultima	ely responsible for the scheme				
				ble daily management of the scheme.				
				d by all users registered and paid for.				
			ers are selected as consult					
		Among Consulting Committee members, four (4) members are elected as Management						
		Management Board membership is consisted of; a) Chairperson (1), b) Manager (1), c)						
		Financial Manager (1), d) Treasurer (1).						
	Mode of Management Entity	Management Board members elected are all teachers.						
		Sheik was failed in the election of Management Board members, however, keeping good						
		relation with the Boards.						
		Board members emphasized 'democracy' in board election and management.						
		Three (3) community members are appointed as Monitoring Committee						
		Management Board has been registered since 1998 under Ministry of Social Affairs.						
		Election of Management Board has been conducted three (3) times after the scheme						
		Election of Management Board is made every after 4 years.						
		Constitution for Management Board has been prepared, clarifying roles and responsibilities						
		of each community institution (Management Board, General Assembly, Consulting						
		Committee, Monitoring Committee), terms of office, financial management procedures, etc.						
	!	Legal status for Management Board is established, registering it under Ministry of Social						
	A	Managerial decisions entailed expense more than YR 200,000 are made by Consulting						
	Organizational Management	Managerial decisions er	italica experies more man	11 200,000 alo mado by contolling				
	Organizational Management	Managerial decisions er Committee.		TV 200,000 die made by Constituing				
	Organizational Management	Committee. Management Board is re	esponsible for daily manage	ment and operation.				
	Organizational Management	Committee. Management Board is re		ment and operation.				
	Organizational Management	Committee. Management Board is re	esponsible for daily manage mber in the Consulting Com	ment and operation.				
	Organizational Management	Committee. Management Board is re There is one female me Manuals for pump opera	esponsible for daily manage mber in the Consulting Com ation are prepared.	ment and operation. mittee.				
	Organizational Management	Committee. Management Board is re There is one female me Manuals for pump opera	esponsible for daily manage mber in the Consulting Com ation are prepared.	ment and operation. mittee.				
	Organizational Management Technical Operation and Maintenance	Committee. Management Board is re There is one female me Manuals for pump opera Operation records are n recorded.	esponsible for daily manage mber in the Consulting Com ation are prepared ot kept at pump, while even	ment and operation.				
		Committee. Management Board is re There is one female me Manuals for pump opera Operation records are n recorded. Pump is operated for for	esponsible for daily manage mber in the Consulting Com ation are prepared. of kept at pump, while even ur (4) hours in a day.	ment and operation. mittee. y meter at house connection is read and				
		Committee. Management Board is re There is one female me Manuals for pump opera Operation records are n recorded. Pump is operated for for Pump head units are free	esponsible for daily manage mber in the Consulting Com ation are prepared. of kept at pump, while even ur (4) hours in a day.	ment and operation. mittee. meter at house connection is read and eplaced, which costs every YR 100,000				

	Water Tariff Structure:	YR 150/m3 (YR 120/m				
	For the poor households, water is free up to 1-3m3/day.					
1	Identification of the poor is made by the community.					
!	All meters at house conne	ection are read once in	a month, and billing is made every mont			
	Water bills are sent to each	ch household, and bills	are collected by the Treasure visiting an			
	staying village-to-village.					
	Financial book keeping is	done in a accountable	manner.			
	Bank account is opened.					
	Internal auditing for the so	cheme account is condu	ucted.			
	Financial reports are pres	ented in General Asser	mbly once in a year.			
Figure 1 Management and Transportation	Income in average: YR 92,000 / month (March '05)					
Financial Management and Transparency	Expenditure in average:	YR 86,000 / month (M	larch '05)			
		Salary/Allowance	YR 27,000			
	Expenditure Breakdown:	Billing Cost	YR 10,000			
		Fuel/Oil	YR 26,900			
		Maintenance	YR 30,000			
		Stationery	YR 2,500			
		Chairperson	YR 2,000/month			
	Staff Salary/Allowance:	Manager	YR 3,000/month			
		Financial Manager	YR 3,000/month			
		Meter Reader	YR 4,000/month			
		Operator	YR 13,000/month			
Status baldes Involvement / Bonness bills. Charie	No training package has b					
Stakeholder Involvement / Responsibility Sharin	Experienced operators are hired, who satisfy the daily operational requirements.					
			r travel and other expenses entailed with			
			f household (i.e. married males only)			
Community Contribution	contributing YR 3,000 - 5					
Community Contribution			ng for pipelines and approach road			
	construction to the boreho					
	No cash contribution was					
Community Contracting-Out	· · · · · · · · · · · · · · · · · · ·		with operators, and meter readers.			
Conflict Resolution	No tribal conflicts are mer					
Offinior readiation			of service level in each service area.			
	There is one female mem					
Pro-Gender and Pro-Poor			ment Board that male is responsible to			
<u> </u>	cope with female vision a	nd needs in water issue	38 .			
Remarks						

	DENTIFICATION PANEL		Description	· · · · · · · · · · · · · · · · · · ·
<u>No.</u>	Item Code No.	A-03	Безоприон	· · · · · · · · · · · · · · · · · · ·
	Site Name	Ozlat Al Jaradi	·	
	Sub-District (Uzlat)	Al Jaradi		
	District	AL Rujum		
	Governorate	Al Mahweet		
	Coordinates	Latitude Longitude		
	<u>:</u>		<u> </u>	
	Coordinates (Measured Location)	490 mm	1	
	Annual precipitation (rainfall) Population (2006)	20.786		
	Population Forecast (2016)	27,584	who made a second	AND AND THE PERSON OF THE PERS
	No. of Village (Qariah) in Total	65		
	No. of Village (Qariah) to be served			
		Name	Population	Household Coordinate (Lat / Lon
	! -	Al Aianbrash	765	
		Al Wessad	670	43 38
	i 	Al Muqbel Al Jumaimah	282	14
	-	Al Mahla	165	8
	-	Al Helhal	347	20
	-	Al Qa'ad	132	7
	 -	Shamsan Bait Rumaitha	287	25
	I :	Jabal Ali		
		Al Haifa	830	55
	-	Bait Al Jaradi Rahban	450	38
<u> </u>	<u>:</u> -	Bait Sulaiman	500 460	36
 	-i	Bait Qattran	282	18
	1	Hajar Al Ma'yen	385	28
	1	Bait Al Nathari	560	46
	1	Azzan	340	27
		Bait Al Zain	174	13
	<u>:</u>	Bait Ramtha		40
	<u>.</u> j	Al Alaneyiah Al Ma'ram Bait Hunaina+ Al Musainea'a	240 270	10
	<u>:</u> ·	Al Qarah	670	40
l	: !	Thahban	870	60
	İ	Bait Soroum	1,150	110
	i 	Al Hamami (Al Rubs)	750	43
	į	Shamsan Al Hamami	386	28
		Bait Jasaar	370	36
	 	Al Marsubah	650	70
	! -	Bait Al Murair	75	6 12
	Village (Qariah) in the Community	Al Maqoor Al Hajar Al Sufia	140	9
	village (danally in the community	Bait Safoof	180	12
		Bait muta'a	195	13
		Al Qufl	65	5
		Al Dhabrah + Al Sharaf	950	78
	 -	Al Khaza'a	213	11
<u></u>		Al Me'zaab	292	18
		Bait Al Mushaki Bait Mudafar	284 187	17 8
		Bait Harras	240	12
1	† ·	Al Hejrah	283	13
	-i ! !	Al Nashma	277	15
	.	Bait Al Na'ama + Bait Al	290	17
	<u>i</u>	Al Ahzam	1,250	130
	· -	Bait Al Jayefi	270	21
	1	Qala'at Al Nowairah Al Mandhaha	56	53
	i	Al Mandhana Ebr Sehah	240 220	20 19
	-	Bait Al Saylat	312	34
	<u>-</u>	Bararah	170	14
	:! :	Bait Al Zurqa'a	185	10
	 	Bait Al Suraimi	274	22
	L	Al Sur	73	9
	; 	Bait Al Madar Al Ala& Al Asfa		30
	<u>i</u> 1	Al Nasham	220	13
I		Kha'em	180 275	10
l .		Qarat Kha'em	200	12
		parameter of the William		
		Al Helfah	130	6
·		Qaryat Al Athar	130 300	18
·				

No. Item Functioning Components of Existing Water Supply Scheme Components of Existing Water Supply Scheme Description	Pump for Dee Generator for Pump House of Pump for Bood Generator for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Mi Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subi 1986	Deep Well for Deep Well ster Booster Booster No.1 No.2 ank ain ain ction East 352837 Lon. E 43°37'41.9" mersible pump	Speci Submersible RC Horizontal RC Steel panel Steel panel Steel panel SGP SGP 14 by Japan	escription fication Denyo 2 Nos. 2 Nos. 2 Nos. 60m³ 75m³ 200m³ 4 by village		1988 1988 1988 1988 1988 1988 1988 1988	Fund Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan
Components of Existing Water Supply Scheme Observations WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Pump for Deel Generator for Pump House for Pump House for Pump for Boost Generator for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Main Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subit 1986 1996 Japan 150 Japan	p Well Deep Well for Deep Well ster Booster e No.1 No.2 ank ction East 352837 Lon. E 43°37'41.9" mersible pump	RC Horizontal RC Steel panel Steel panel SGP SGP 14 by Japan	Denyo 2 Nos. 2 Nos. 2 Nos. 60m³ 75m³ 200m³		1988 1988 1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan
Observations WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (*C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Pump for Dee Generator for Pump House of Pump for Bood Generator for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Mi Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subi 1986	p Well Deep Well for Deep Well ster Booster e No.1 No.2 ank ction East 352837 Lon. E 43°37'41.9" mersible pump	RC Horizontal RC Steel panel Steel panel SGP SGP 14 by Japan	Denyo 2 Nos. 2 Nos. 2 Nos. 60m³ 75m³ 200m³		1988 1988 1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (LaVLon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Generator for Pump House for Pump for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Mi. Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subin 1986 1990 Japan 150	Deep Well for Deep Well ster Booster Booster No.1 No.2 ank ain ain ction East 352837 Lon. E 43°37'41.9" mersible pump	RC Horizontal Horizontal RC Steel panel Steel panel Steel panel SGP SGP 14 by Japan	Denyo 2 Nos. 2 Nos. 2 Nos. 60m³ 75m³ 200m³		1988 1988 1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan
WATER SOURCE PANEL No.	Pump House f Pump for Boos Generator for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Mi Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	for Deep Well ster Booster e No.1 No.2 ank ain nd ction East 352837 Lon. E 43°37'41.9" mersible pump	Horizontal Horizontal RC Steel panel Steel panel Steel panel SGP SGP 14 by Japan	2 Nos. 2 Nos. 2 Nos. 60m³ 75m³ 200m³		1988 1988 1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan
WATER SOURCE PANEL No.	Pump for Bood Generator for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Ma Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subi 1986	ster Booster Booster No.1 No.2 ank ain ain ad ction East 352837 Lon. E 43°37'41.9" mersible pump 6 m	Horizontal Horizontal RC Steel panel Steel panel Steel panel SGP SGP 14 by Japan	2 Nos. 2 Nos. 60m³ 75m³ 200m³		1988 1988 1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Generator for Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Main Public Tapstar House Conner North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	Booster e No.1 No.2 ank h ain nd ction East 352837 Lon. E 43°37'41.9" mersible pump 6 m	Horizontal RC Steel panel Steel panel Steel panel SGP SGP 14 by Japan	2 Nos. 2 Nos. 60m³ 75m³ 200m³		1988 1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Booster House Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Ma Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	East 352837 Lon. E 43°37' 41.9" mersible pump	RC Steel panel Steel panel Steel panel SGP SGP 14 by Japan	2 Nos. 60m³ 75m³ 200m³ , 4 by village		1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Booster Tank Booster Tank Distribution Ta Pumping Main Distribution Ma Public Tapstar House Conner North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	No.1 No.2 Ink Description East 352837 Lon. E 43°37' 41.9" mersible pump	Steel panel Steel panel Steel panel SGP SGP 14 by Japan	60m ³ 75m ³ 200m ³		1988 1988 1988 1988 1988 1988	Japan Japan Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Booster Tank Distribution Ta Pumping Main Distribution Ma Public Tapstar House Connec North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	No.2 ank ain nd ction East 352837 Lon. E 43°37' 41.9" mersible pump m	Steel panel Steel panel SGP SGP 14 by Japan	75m ³ 200m ³ , 4 by village		1988 1988 1988 1988 1988	Japan Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Distribution Ta Pumping Main Distribution Ma Public Tapstar House Connec North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	East 352837 Lon. E 43°37' 41.9"	Steel panel SGP SGP 14 by Japan D	200m ³ , 4 by village		1988 1988 1988 1988	Japan Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Pumping Main Distribution Ma Public Tapstar House Connec North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	East 352837 Lon. E 43°37' 41.9" mersible pump	SGP SGP 14 by Japan D	, 4 by village		1988 1988 1988	Japan Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	North 1710197 Lat. N 15°27' 53.0" Working Subi 1996 Japan	East 352837 Lon. E 43°37' 41.9" mersible pump	SGP 14 by Japan D			1988 1988	Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Public Tapstar House Connect North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	East 352837 Lon. E 43°37' 41.9" mersible pump	14 by Japan			1988	
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	East 352837 Lon. E 43°37' 41.9" mersible pump	D				Japan
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	North 1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	East 352837 Lon. E 43°37' 41.9" mersible pump	4 1 1	escription			
WATER SOURCE PANEL No. Item [Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	352837 Lon. E 43°37' 41.9" mersible pump 3 m	4 1 1	escription			
No.	1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	352837 Lon. E 43°37' 41.9" mersible pump 3 m	4 1 1	escription			
[Borehole Code] Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No.	1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	352837 Lon. E 43°37' 41.9" mersible pump 3 m	4 1 1	escription			
Grid (UTM) Grid (Lal/Lon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	352837 Lon. E 43°37' 41.9" mersible pump 3 m		5 65 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7			en en en en en en en en en en en en en e
Grid (LaVLon) Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	1710197 Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	352837 Lon. E 43°37' 41.9" mersible pump 3 m				gar Saraharan 19 Maraharan 19	e marty e
Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Lat. N 15°27' 53.0" Working Subi 1986 1990 Japan	Lon. E 43°37' 41.9" mersible pump 3 m			2 44 665	24, 262	
Present Condition (Pump Type) Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	15°27' 53.0" Working Subi 1986 1990 Japan	43°37' 41.9" mersible pump 3 m				managa nasa Lingui	Maria San
Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Working Subi 1986 1990 Japan	mersible pump 3 m	د آ <i>بران مینیا</i> د ــ ــ ـــ ـــ ــــــــــــــــــــــ		A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	States year	147 45
Elevation (m) Aquifer/Geological Description Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	1986 1990 Japan 150	i m				Wisine .	
Year of Construction Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature (C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Japan 150			100000	. 1985 . 1		
Fund Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	Japan 150) ,					
Depth (m) Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	150		<u> </u>	<u> </u>			<u>يا کې کول</u>
Casing Diameter (inch) Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered		1 50		<u> </u>			(-5 ¹)
Screen Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered) inch		144		30 3	#1777 5 4 757 A
Static Water Level (G.Lm) Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered		, illeli			110 to 12 hear 00 of	66, 5645, 1811, 1911	<u></u>
Dynamic Water Level (G.Lm) Drawdown (m) Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	50.8	3 m	1	*			
Discharge (g/min) Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	55.9		1.3	1 . 1 e		Singapage (
Specific Capacity EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered		m				Secretary (4)	
EC (mS/m) pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem [Design Parameter] No. of Villages in Total No. of Villages to be Covered		g/min		L/sec	<u> </u>	-15-milyanik Sir di	<u> 44 (1811)</u>
pH Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem] [Design Parameter] No. of Villages in Total No. of Villages to be Covered	!	L/s/m	8 - 3				
Temperature ('C) Remarks WATER SUPPLY PLANNING PANEL No. [tem [Design Parameter] No. of Villages in Total No. of Villages to be Covered	6.7	2 mS/m	<u> 1 </u>			State Marketing	7
Remarks WATER SUPPLY PLANNING PANEL No. Item [Design Parameter] No. of Villages in Total No. of Villages to be Covered	24.7	 				N. S.	 -
No. [tern [Design Parameter] No. of Villages in Total No. of Villages to be Covered		10.00	· · · · · · · · · · · · · · · · · · ·			estage of actions	<u> </u>
[Design Parameter] No. of Villages in Total No. of Villages to be Covered							
No. of Villages in Total No. of Villages to be Covered			D	escription			
No. of Villages to be Covered			1.		and a single	THE STATE OF	X 7 marina
No. of Villages to be Covered	65	T	-	1 1 3 3		STATE OF	7 × 3 × 3
	0	ļ		11 11		्रव्य म्भाग्रह्म ।	
	20,786				<u> </u>		10 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Design Population (2016)	27,584					 	
Design Water Supply Rate		L/c/d	690	m³/day		A Section	
Type of Work Required	Rehabilitation		030	in ruay	1	<u>again an ababan in .</u> Kumang bingbat	
Required Facilities	·	ponent	 	<u> </u>		Notes	•
. toganou i dominou	Pump for Deep	·			Replace	140109	
	Eng./Gen. for i		+		. -		
	Pump House for		<u> </u>		Replace		
		·	2 Non		Donles-		
	Pump for Boos		2 Nos.		Replace		
	Eng./Gen. for I	— —	2 Nos.		Replace		
	Pump House for	or Booster	2 Nos.				
	Booster Tank		2 Nos.		i		
	Distribution Ta		. L		Water leakage	e	
	Pumping Main		<u>;</u>		ļ		
	Distribution Ma		į		Extension to 2	villages	
	Public Tapstan						
	House Connec	tions			<u> </u>		
Accessibility	Good, near pa	ved road, but in	side site, rugo	ed mountain	road		
Security							
·	processor of the second	to Embassy of .	Japan in April	2005 for new	borehole and	pipelines to	7 villages
	Made request						
	Made request to Tank for this so	cneme aiready		his scheme f			. ,

<u>Item</u>	.+	Description	The Mills of All Propagation Religion (1976) and			
No. of Village Head (Sheikh)	4					
No. of Tribe	1					
	Booster station and pump loc		?)			
	Main pipeline was destroyed by land slide					
Observation in Current Supply Scheme	House connections are all metered. Most of meters are installed by users, while there are					
Observation in Current oupply concine	some installed by the Project		<u>-</u>			
	After 3 years of project comp	letion, public stands (4)	are constructed and pipelines are			
	extended by the community					
	Legal Ownership is vested to	the community in traditi	onal manner (Document for legal			
Mode of Ownership	ownership is not prepared).					
	Scheme was handed over to	the community, but no r	ninutes of understanding are prepa			
	Management (Administrative) Board is responsible fo	r the scheme management.			
	Management (Administrative) Board is composed of;	a) Manager (1), b) Financial Mana			
	(1), c) Treasurer (1), d) Tech	nical Staff (3), e) Meter I	Reader/Revenue Collector (4).			
	Management (Administrative) Board is appointed by	community.			
	The manager of the Manage	ment Board is also Sheil	(
	Village meeting was held for	selection/appointment o	f the Board members.			
Mode of Management Entity	First selection/appointment of	f the Board was made a	fler scheme handing-over.			
,	Latest selection/appointment					
	Financial Manager (1) and T					
			ranged every year since the compl			
	of the project by GARWSP.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	3-4 persons / year are allend	led to the training provide	ed by GARWSP.			
	All Board members are partic					
	Constitution for Managemen					
Organizational Management	Legal status of Management					
Organizational Management						
	Mode of decision makings is largely subject to the manager of Board (i.e. S Manuals for pump operation are prepared.					
	Operation records are kept at pump, and every meter is read.					
Technical Operation and Maintenance	· · · · · · · · · · · · · · · · · · ·					
reclinical Operation and Maintenance	Pump is operated for eight (8) hours in a day.					
	Major repair: Installation of new pipeline ($20m \times 6$), of which costs of YR 1,500,000 are by the community (i.e. Scheme account).					
	Water Tariff Structure:	lio accounty.	YR 100/m3			
	For the poor households, water is free up to 2m3/day.					
	Identification of the poor is made by the Sheikh and the Board Manager.					
	All meters at house connection are read once in a month, and billing is made every mont Water bills are sent to each household, and bills are collected by the Meter Reader/Reve					
	Collector visiting house-to-ho		collected by the Meter Readchitev			
	Bank account is opened					
		three Board members'	signatory (i.e. Manager, Financial			
	Manager, and Treasure).	tillee boald members :	signatory (i.e. Manager, i-mancial			
	Yearly internal auditing and r	nonitorina is undertaken	by community members			
	Summarized financial report					
Financial Management and Transparency	Financial reporting announce	is not done.	sir for the community.			
	Income in average:	YR 400,000 - 600,000) / month			
	Expenditure in average:	YR 473,000 (Decemb	er '05)			
	Expenditure Breakdown:	Salary/Allowance	YR 193,000 (December '05)			
	Experience Dieardowii.	Fuel/Oil	YR 280,000 (December '05)			
	1	Manager	YR 15,000/month			
	i	Vice Manager	YR 8,000/month			
	Stoff SalandAllawara	Financial Manager Treasurer	YR 8,000/month YR 8,000/month			
	Staff Salary/Allowance:	Operator	YR 20,000/month			
 	1	Meter Reader	YR 15,000/month			
	!	Guards	YR 4,000/month			
Stakeholder Involvement / Responsibility Shari			. di 17			
	Lands for the scheme constr	uction are contributed by	the community.			
	· · · · · · · · · · · · · · · · · · ·		stands (costs: YR 1,500,000) was			
Community Contribution	undertaken by the communit		(,,,,			
			eline, was conducted by the comm			
	while pipe filting was underta		•			
<u> </u>	 	· · · · · · · · · · · · · · · · · · ·	operators, and meter readers/reve			
Community Contracting-Out	collectors	<u> </u>	, , ,			
Conflict Resolution	No tribal conflicts are mentio	ned. Conflicts are resolv	ed by the Sheikh			
Pro-Gender and Pro-Poor			lanagement/Administrative Board.			
Tro-ochact and Fro-Foot			oned, there are more than 50 village			
Remarks	,		managed by 4 sheikh. Further co			
	/ /	e identified.				

Item one trict (Uzlat) orate ates ates (Measured Location)				Description			
ne trict (Uzlat) orate ates	A-04				1 - 1		J - 1
orate ates	Al Khamis-Ba	ani Ali		1 1 1 1 1 1 1 1 1 1 1			
orate ates	Al Khamis						
ates	Bani Sa'ad						S.01.
ates	Al Mahweet			The second			
	Latitude	Longitude					<u> </u>
ates (Measured Location)				<u> </u>	<u> </u>	1	Section 1
precipitation (rainfall)	530	mm					
on (2006)	1,602			<u> </u>		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
on Forecast (2016)	2,126					e principal de de de la composition de la composition de la composition de la composition de la composition de	
illage (Qariah) in Total				* *			<u> </u>
illage (Qariah) to be served	ļ <u>_</u>	!	4.7				0.11
	Naı	me	To Be Served	Population	Household	Coordinate	(Lat / Lon
	Al Rajma					1	
	Al Kasia					1	
	Al Modawre						
	Al Hariga				80		
	Al Zonoob		. :		<u> </u>		
	Wadi Mugais	<u>er</u>			i		
	Al Mangum					<u> </u>	
	Al Taine				l		
	Al Mashgab				<u> </u>		
illage (Qariah) in the Community	Al Kulabia				ļ ·		
	Kareed				İ		
	Al Megzab			l. <u></u> .	<u> </u>		
	Al Shareba		<u> </u>		<u> </u>		
	Wadi Rizig						
	Al Raga						
	Al Khamis (m	narket)					
	Al Karbah				<u> </u>		
	Thahr Al Karl				<u></u>		
	Al Dundunah					ļ	
	Maqqsarah					1	
ER SUPPLY SCHEME PANEL							
<u>Item</u>	Partially exist		1	Description	-	5 (2000), 53 (1) - 50	A 20 1 1 1 1 1 1
ning			Specif	ication	Condition	Year	Fund
ents of Existing Water Supply Schem	Pump for Dec	on Woll	i obecii	loauon	Condition	1641	Fullu
						1	
	Eng./Gen. for Pump House	r Deep well	<u> </u>		Under const	· · · · · · · · · · · · · · · · · · ·	GARWSF
	Pump for Boo	e for Deep vve	ļ · · · · · · · · · · · · · · · · ·		Conder Consi	LUCTION	GARWSE
			 		:	···-	l i
	Eng./Gen. for Booster House	r Booster	!			 	
<u> </u>	Booster Tank		 		1	 	ļ
	DOOSIEI TAIIN	`	 		For Al	i	
	Distribution T	ank	İ		Khamis.	2005	GARWSF
	Distribution	ZI IK			completed	2000	CAINVOI
	Pumping Mai	in	Material for /	l Khamie av	ilable at brar	ch office	
	Distribution N				ailable at brar		
	Public Tapsta		Waterial 1017			1011 011100	
	House Conne				1	1	<u> </u>
alions	Tiouse Comit	COHOTI	·		<u>.l</u>		<u> </u>
CE PANEL							
ltem		r		Description			
le Code]				<u> </u>		-	1.3.
ГМ)	North	East			the state of		4.00
1417	1678985	338756		<u> </u>	<u> </u>	200	
	Lat. N	Lon. E					e de despuis que la comi La comitación de la comitación de la comitación de la comitación de la comitación de la comitación de la comit
	15°10' 54.4"	43°29' 56.4"	<u>" </u>		<u> </u>	- Harlandin	
t/Lon)	Capped						
t/Lon)	458	m			No transfer	1000	
t/Lon) Condition (Pump Type) n (m)	į						
t/Lon) Condition (Pump Type) n (m) Geological Description	2001				· · · · · · · · · · · · · · · · · · ·		
t/Lon) Condition (Pump Type) n (m)	GARWSP		l		<u> </u>	<u> </u>	ru seribal, 4
t/Lon) Condition (Pump Type) n (m) Geological Description	92	m	<u> </u>		m langery.		11 11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1
t/Lon) Condition (Pump Type) n (m) Geological Description	10	inch			<u> </u>		
t/Lon) Condition (Pump Type) n (m) Geological Description Construction							
t/Lon) Condition (Pump Type) n (m) Geological Description Construction	32m - 92m						
t/Lon) Condition (Pump Type) n (m) Geological Description Construction	32m - 92m 6.66		<u> </u>				3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
t/Lon) Condition (Pump Type) n (m) Geological Description Construction m) Diameter (inch)	32m - 92m 6.66		1			4 7 4 7 4	
t/Lon) Condition (Pump Type) n (m) Geological Description Construction n) Diameter (inch) /ater Level (G.Lm) c Water Level (G.Lm)	32m - 92m 6.66 28.82	m					The same of the same of
t/Lon) Condition (Pump Type) n (m) Geological Description Construction m) Diameter (inch) /ater Level (G.Lm) c Water Level (G.Lm) wn (m)	32m - 92m 6.66 28.82 22.16	m		L/sec			-584 (11.2)
t/Lon) Condition (Pump Type) n (m) Geological Description Construction n) Diameter (inch) /ater Level (G.Lm) c Water Level (G.Lm)	32m - 92m 6.66 28.82 22.16	m m g/min		L/sec		The second secon	4 j. x 1807, 1
t/Lon) Condition (Pump Type) n (m) Geological Description Construction m) Diameter (inch) //ater Level (G.Lm) c Water Level (G.Lm) wn (m) ge (g/min) Capacity	32m - 92m 6.66 28.82 22.16 70	m m g/min L/s/m		L/sec		The second second	11 1 2 1 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1
t/Lon) Condition (Pump Type) n (m) Geological Description Construction m) Diameter (inch) /ater Level (G.Lm) c Water Level (G.Lm) wn (m) ge (g/min)	32m - 92m 6.66 28.82 22.16 70 0.1993	m m g/min L/s/m mS/m	4.4	L/sec		The second secon	48.4-865.15
t/Loi Con n (m		GARWSP 92 neter (inch) 10 32m - 92m	GARWSP 92 m 10 inch 32m - 92m	GARWSP 92 m 10 inch 32m - 92m Level (G.Lm) 6.66 m	GARWSP 92 m neter (inch) 10 inch 32m - 92m Level (G.Lm) 6.66 m	GARWSP 92 m 10 inch 32m - 92m Level (G.Lm) 6.66 m ster Level (G.Lm) 28.82 m	GARWSP 92 m 10 inch 32m - 92m Level (G.Lm) 6.66 m ster Level (G.Lm) 28.82 m m) 22.16 m

O.	ER SUPPLY PLANNING PANEL	į		Description		
<u> </u>	[Design Parameter]	-				
-	No. of Villages in Total	0				
	No. of Villages to be Covered	0		-	15 1 1 1	
	Current Population (2006)	1,602			1 A 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Design Population (2016)	2,126				
	Design Water Supply Rate	40	L/c/d	85 m³/day		
	Type of Work Required	Partial constr	ruction			
	Required Facilities	Component T		To be Constructed by	T	Notes
	1	Pump for De	ep Well	Donor	New	
	- 	Eng./Gen. fo	r Deep Well	Donor	New	
		Pump House	for Deep We	GARWSP	Under consti	ruction
	- :	Pump for Bo		Donor	New x 2	
	-	Eng./Gen. fo		Donor	New x 2	
				Donor	New	
				Donor	New	
		Distribution 1	Tank	Donor/GARWSP	New x 1, Al Khamis completed	
		Pumping Ma		Donor/GARWSP	New, and for Al Khamis available	
–		Distribution N		Donor/GARWSP		r Al Khamis available at
_		Public Tapsta		Donor	New (for mo	sque, school and clinic o
	_	House Conn		Village	-!- 	
	Accessibility	Access to Ba	ini Ali is very	difficult, but access to bor	ehole is good,	along paved road
	Security	! 				S. 775
	į.			ork for Al Khamis to be do		
	Observation	pipe 3" diam	.,6m×400 p	id 2 booster pu	ımps available at brancl	
		(?), but need	to confirm a	ctual availability and speci	rications.	
	RATION AND MAINTENANCE PANEL	_		Description	1	
	llem	1	i ^-		1203 120 1	7 - Tom Kalada (kalada)
0.				and the second s		
	No. of Village Head (Sheikh)	<u> </u>		er Car		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
··-	No. of Tribe		<u>.</u>	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
J	No. of Tribe Observation in Current Supply Scheme		·			
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership					
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership Mode of Management Entity					
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership Mode of Management Entity Organizational Management					
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership Mode of Management Entity Organizational Management Technical Operation and Maintenance					
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership Mode of Management Entity Organizational Management Technical Operation and Maintenance Financial Management and Transparency					
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership Mode of Management Entity Organizational Management Technical Operation and Maintenance Financial Management and Transparency Stakeholder Involvement / Responsibility Shari	i i i i i i i i i i i i i i i i i i i				
	No. of Tribe Observation in Current Supply Scheme Mode of Ownership Mode of Management Entity Organizational Management Technical Operation and Maintenance Financial Management and Transparency Stakeholder Involvement / Responsibility Shari Community Contribution	ng				
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