### Table 4.2.6 (14/14) CALCULATION TABLE FOR UNIT COST OF EACH PAYMENT ITEM IN PACKAGE-2

			l			Unit Cost			Cost		Remarks
sjor Dem	ID No.	Description	Unii	Quantity	PF/C	IF/C	L/C	PF/C	IF/C	- 1/C	I Ken was
rect Cost			mJ								1
orking Base Cos	S-B16-Bq-7	Demolition of Guard House			_	]					· .
	S-B16-Bq-10	Put Down the Existing Roof Tite Demotition of the Existing Wooden	612 m2	51,84	. 0	0	3,958	0	0	104,768	
	0.010.04.10	Roof Lath	"-	\$1,84	, 0	,	3,950	୍ୟ	Ü	204,768	
-	S-816-Bq-14		m3	1.50	0	0	29,360	ol.		132,120	
		Tousi of Building Less Then 3.5 m				Ĩ		]	Ĭ		1 .
		Height,		1 i							
	S-B16-Bq-3	Demolition of Existing Thin Brick Wall Masonry,	in3	5.51	. 0	0	39,500	아	0	217,448	j
	S-B16-Bq-5	Demolition of Existing Floor Tile	m²	21.24							Ì
orking Base Cor	1	Demolition of Mushols		21.24		<del> </del>	1,980			42,055	<b> </b>
	S-B16-Rq-7	Put Down the Existing Roof Tile	m2	86.40	0	0	3,950	o	0	341,280	
	S-816-Bq-10		m2	86.40	. 0	0	3,950	0	. 0	341,280	
		Roof Lath		] . !		!			·		
	S-B16-Bq-14	Demolition of the Existing Wooden Trust of Building Less Then 3.5 m	m)	7.50	0	0	29,360	0	0	220,200	
		Height.		ļ <b>!</b>							İ
	S-B16-Bq-3	Demolition of Existing Thin Brick	m3	9.18	, 0	اه	39,500	. 0	6	362,413	
•		Wall Masonry,		1		1		Ĭ	Ĭ	302,413	
T 14 1 15 11 11 11	S-B16-Bq-5	Demolition of Existing Floor Tile	m2	35,40	0	0	1,980	0	0	70,092	L
Yorking Base Cos	t S-B16-Bq-7	Demolition of Toilet		l							
	\$-B16-Bq-10	Put Down the Existing Roof Tile Demolition of the Existing Wooden	m2 m2	43.20 43.20	0		3,950	0	9	170,640	
	2 210 Dq.19	Roof Lath		45.20	٠	l "I	3,950	엑	0	170,640	
	S-B16-Bq-14	Demolition of the Existing Wooden	m3	3.75	·. 0	0	29,360	n		110,100	1
		Trust of Building Less Then 3.5 m							ĭ		
		Height,	1 2 4 4	1 1							1
-	S-B16-Be-3	Demolition of Existing Thin Brick Wall Masonry,	m3	4.59	. 0	0	39,500	0	0	181,206	
	S-B16-Bq-5	Demolition of Existing Floor Tile	m2	17.70			1,980		ا ،	26.00	1
uipment	0 0 10 0 0 0	Transportation/Removing Material		48	<u>-</u>		1,980			35,046	<del></del>
	A-2-1-80	Truck; 11 ton	hourly	2.13	96,932	1,560	95,161	206,465	3,323	202,693	Į
	*			1 1		,	,				ļ
bour	L-2-1	Accumulation and Loading to the Truck Foreman			_						!
	L-2-23	Contron Labour	day	16.00 48.00	. 0	. 0	48,800 35,100	0	0	780,731	
orking Base Cos		Control	,	40.00	<u>_</u>		35,100	<u>_</u>		1,684,651	
		Reconstruction of Mushola	% of Mushola	. 60				3,986,643	6,378,340	65,615,119	
			Bldng Cost	[	1.5		4 (				l
100		Reconstruction of Guard House	% of Guard	50				3,322,203	5,315,263	54,679,266	
		Reconstruction of Toilet	House % of Mushola	25			2.0				
	100	Recording to to the	Bidng Cost	23				1,661,101	2,657,642	27,339,633	
direct Cost	:			<del>† . †</del>							
te Expense			5	15	0.5		0.5	13,247,786	0	13,247,786	
ofit and Overhea	ul Cost	10.0	3	01	0.9		0.1	18,281,945	0	2,031,327	
		Miscellaneous	LS.	1 [				57	13	38	Round Up
otal for		I LS.		<del>  </del>				40,706,200	14,354,600	168 295 700	
nit Cost for		I L.S.	····					40,706,200	14,354,600	168,385,300 168,385,300	<del></del>
			<u> </u>			·		10,100,001	14,554,000	100,200,000	Ļ
		Unit Weight		Weight (ton)							
	Roof Tile Wooden Roof Lath		Kg/m2 Kg/m2	8.16	100					1.5	
	Wooden Trus		Kym3	1.71 8.10							3. A.
	Brick	k 1500	Ke/m3	28.90	113				4000		
	Floor Tile	e 15	Kem2	1.12	100	and the second				1.5	11
		*Truck for Material Removing		unit		ton					
		The second second second		km/md/		knybe + ton/truck +		must loss -	0.48	hours	
	A 2	age at 100 at 10		truck z		hours/truck =		truck hours			1
									** - *		title group
11 2		*Loading and unloading old meterial						- *			1.0
		to the truck	1								
		Productivity of I common labour		5	kg/rimes		Turne		minute/times		
									ke/hour		
	-	In I day, considering time for rest and	any loss tone, w	orking time is		3.5	hour	300	A LINU		
		Total weight that can be handled in I	day -			1050.00	kg				
	1 1	the state of the s				1.06	ton ·	• *			
		Man power composition		Unit							
		Foreman		itoa. Idav							

### Table 4.2.7 (1/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

CONSTRUCTION COST OF ADMINISTRATION BUILDING

This   The		CTION COST OF ADMINISTRATION BUILDE				Hole Co				<del>~~~~~~</del>	
	ID No.	[tem	Unit	Quantity	PF/C	Unit Cost IF/C	L/C	PF/C T	Cost (F/C	. DC	Total
Section   Sect											
Section   Sect			m.i		~1			0	0	3,984,960	
Section   Sect								0	0		
\$1.00   \$1.0								62,822			
ALCOPADED CONTROL   ALCOPADE C						.,		0			
SEAS-PLANE   Since Managery   1.10		ION WORK	""	10.07	Ĭ	1,020	41,000		30,213	719,570	807,183
\$1.50.000   \$1.0000   \$1			m3	35.88	0	2,900	96,000	. 0	104,052	3,444,480	3,548,532
BLASHOPS   CARRY CONCEAST FORMS   17   1200   1.0								- 1			
\$2.00   \$2.0			m3	5.23	0	6,960	326,310	0	36,401	1,706,601	1,743,002 17,399,630
\$1.00   \$1.0			i,	120.20		47.640	194 460		6 (61 766	22.067.22	20 (10 02)
\$4.00   \$4.0											
\$1.00   \$1.0								- 1			
\$4.0   \$4.0	S-B4-Bq-16	Reinforcement Concrete for Gutter		1.21	100	197,375		121			
12 SECURES WINESE   14			m2					2,724			
\$1.55.56.56.56   Common   \$1.50.50   \$1.50			en3	20.37	. 0	30,410	422,790	0	619,452	8,612,232	9,231,684 294,013,063
\$2.55.59.50   Total Color				3.377.50	6310				ا ا		marcone
25.55-56-7   Common Fine Patron   mail   m											
25.55-6-1-1    Contract Platems   12   15.55   0   0.00   43.10   0.9270   0.00700					0						
\$2.85.85.97   Pyrocial Boot Concer	S-B5-Bq-11			, ,	0			0			
\$2.55   \$2.50   \$2.5											
\$2.55-0    Color Book Model Sheek (Chann)   n2   32.06   0   12.07   4.08   0   95.07   1.75(10)   2.02.13   3.77(10)   3.02.13   3.02.											
\$2.55.5											
\$3.55   Common Ridge   Common Ridg											
\$838-90-1   Security Principation (1) 1 Principatio	V. CONCRET	E BLOCK WORK AND BRICKWORK		[						,	
10.2   1.5	S-B3-Bq-2	Brickwall/brickwork 1:3 1/2 brick thick									
\$38.94.5   Mortu pitatering 15 am of bindroms, 1.3   m.	S-BJ-Bq-1		m3	131.23	0	6,960	336,310	0	913,361	44,133,961	45,047,322 48,890,975
\$33.3-6.2   Mostar planting 15 mod diskness, 13.10   n.2   1144.76   0   400   7.700   0   473.206   2.536.212   2.596.212   2			,	166.44	۸ ا	900	0.100	ا	140 704	1 514 604	1 664 400
\$39.50   Vester pleasuring   15 most fishkows, 1.2   m.d.   399.04   0   1,000   0   5,090   3,590   3,570.00   5,100   1,000   5,100   1,000											
\$383-Rep   Compose Planating for Cohem J-800 & Blace   m2   77.731   0   900   9,100   0   51,950   352,050   377,000   \$575,000   \$77,000   \$75	S-B3-Bq-5	Mortar plastering 15 mm of thickness, 1:2									
See   See   American Statement   See   S	S-B3-Bq-9	Expose Plastering for Column H=800 & Base	m2	57.70	. 0	900	9,100	0	51,930	525,070	577,000 Sub Total
SBB-Barger    Administer merkening   m   54.416   0   7.250   0   4,987.572   34,613.231   33,703.23			m2	77.31	0	9,660	36,550	0	746,815	2,825,681	3,572,495 19,175,319
\$88 Bigs   Aluminian Workson   n   20,00   0   41,70   51,500   0   961,187   13,464,30   12,494,35   388 Bigs   Aluminian Door Primes   n   7,20   0   6,350   63,500   0   43,500   31,546,600   30,000   31,546,600   30,000   43,500   30,000   30		AND WINDOW WORKS				2000	(2.220		1007 (77)	24 612 261	20 704 027
\$88.88-6; Alaminian Boer Frame    17.50											
\$388-84-15 Doc Flore (Filed Doc Flore)  \$388-8			Ł.								
\$88-Bi-Q-19   Doer Hundle for Aluminiam Door   pieces   24.00   0   18,720   53,850   0   449,250   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,739,800   1,340,400   1,											
Self-Self-Q   Doer Keys for Alaminian Doer			proces								
S-B-B-Q-2											
S-B8-Bp-40   Doer Hitting (125 mm) / ALDoor   pieces   30.00   0 3,440   20,155   0   26,400   319,000   34,400   53-88-Bp-11   Al-Lourne   20   20   15,950   0   26,400   319,000   34,400   20,500											
S-BB-B-p-10   Door Hinge (125 mm)   pieces   20.00   0   1,320   15.950   0   26,240   319,000   34,400   58B-B-p-12   S-BB-B-p-12   S-BB-B-p-12   S-BB-B-p-13   S-BB-B-p-13   S-BB-B-p-14   S-BB-B-											
SP8-BR-P2  Al-Lourne   m2			1 .								
\$B-B-B-Q-15   Double Tealword Door (wil Lourny)   m2   19.75   0   500   546,200   0   299,300   10,771,250		Al-Lourre				10,200	150,040	0			
SaB-Ba-pl   Door Stopper   Door St											
No.   Character WORK											
\$\frac{8}{8} \text{Pi-8} \ \ \ext{Pi-8} \ \ \text{Pi-8} \ \text{Pi-8} \ \ \text{Pi-8} \ \text{Pi-8} \ \ \text{Pi-8} \ \			peeces	24.00	0	12,480	41,290	٥	259,520	990,960	1,290,480 90,874,996
\$8-89-94-11 Morrier for Lawrony 5 mm			m2	112.32	a	14.900	36.850		1.673.568	4 138 992	5.812.560
\$\frac{8-8-9-6-11}{5-8-10-6-25}\$   \$\frac{143,9-12}{5-8-10-6-25}\$											
Selic Bag   Wisterproof Gypraum Board 10 man + Wood Frame   m2   60,112   0   430   100,470   0   252,470   60,384,526   60,666,977			m2	2.38	0		60,480	. 0	59,571	143,942	203,514 7,887,749
SB10Bag-1   Wood Cornice   m   123.50   0   30   4,510   0   3,699   593,073   596,772											
Self-DB-6   Oypour Comise for Caling											
Sail Despt			1								
Salit Da-8   Sal											
Salin Dag-10   Sali	S-B10-Bq-8		m2	151.68	. 0.	330			50,054	8,519,866	
Sain									3,699		
19-90   19-9									166.203		
Search   S											
S-B10-Bq-13   Vertilation Hole 20 x 200   pieces   3.00   0   10   11,700   0   1,380   1,614,600   57,500   997,800   997,800   997,800   997,800   997,800   997,800   997,801   \$											
Note	S-B10-Bq-13	Ventilation Hole 200 x 200		138.00	0	. 10	11,700	0	1,380	1,614,600	1,615,980 Sub Total
Septiment   Sept			pieces	3.00	105,100	15,000	212,500	315,300	45,000	637,500	997,800 99,987,124
S-B6-Bq-4   Stair Noting Ceramic Tile   Stair Noting Cer				540.75	١ ،	0,440	26 (60)		2 31V c6c	20,003,263	25 401 048
Seb-B-q-4   Ceramic Floor Tile, 200 x200 mms (Normin) Texture)   m2   26.60   0   9.660   36.550   0   25.956   972.230   12.29.185   6.099.228   35.86-Bq-1   Ceramic Floor Tile, 200 x200 mms (Normin) Texture)   m2   41.12   0   9.660   36.550   0   397.219   1.502.936   1.900.155   35.86-Bq-2   Ceramic Floor Tile, 200 x 200 mms (Normin) Texture)   m2   41.12   0   9.660   36.550   0   397.219   1.502.936   1.900.155   35.85   35.850   397.219   1.502.936   1.900.155   35.85   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   35.850   397.219   1.502.936   1.900.155   30.850   1.900.15			1								
Seb-Bi-q-1   Cerumic Floor Tile, 200 x 200 mm (Nonship Texture)   m2   41,12   m2   5,86-Bq-2   Cerumic Floor Tile, 200 x 200 mm (Nonship Texture)   m2   41,12   m2   25,88   m3   2,950   3,650   397,219   1,502,936   1,900,155   Sub Total S-B-Bq-7   Floor Gliss H = 100 mm, Reyband (For Wall base)   m2   25,88   m3   2,950   3,280   m3   2,121   1,502,936   1,900,155   Sub Total S-B-Bq-7   Floor Gliss H = 100 mm, Reyband (For Wall base)   m   64,00   m   6	S-B6-Bq-4							0			
Seb Sep Sep	S-86-Bq-1	Ceramic Floor Tile, 200 x 200 mm.	m2	131.99	0	9,660	36,550	0	1,275,023	4,824,235	6,099,258
XL SANTAIR WORK   S-BT-Bq-1   Water Supply Installation (PVC Pipes D= 19.05 mm)   m   64.00   0   0   36,700   0   0   2,348,800   7,322,040   7,685,040   5.8T-Bq-2   Waste Water Installation (PVC Pipes D= 110 mm)   m   132,00   0   2,750   55,470   0   363,000   7,322,040   7,685,040   5.8T-Bq-1   PVC Gunter (I/2 D= 110 mm)   m   40,00   0   1,380   52,270   0   55,200   2,090,800   2,146,000   5.8T-Bq-1   Urinoir   Pieces   8,00   0   00   402,100   0   300   3,217,600   3,217,600   5.8T-Bq-1   Soap Case   Pieces   6,00   0   40   242,480   0   240   428,380   429,120   5.8T-Bq-1   Soap Case   Pieces   6,00   0   40   71,480   0   240   428,380   429,120   5.8T-Bq-1   Floor Drain   Pieces   8,00   0   0   40,000   40,0					i e						
S.B.P.Bq-1   Water Supply Installation (PVC Pipes D~ 19.05 mm)   March Supply Installation and Lighting 20W-1 FL   Pieces Pipes P~ 19.05 mm)   March Supply Installation (PVC Pipes D~ 19.05 mm)   March Supply Installation (PV				235.88	· °	2,950	8,280	0	695,846	1,953,086	2,048,932 37,801,479
S-B7-Bq-2   Waste Water Installation (PVC Pipes D= 110 mm (1*))   m   132,00   0   2,750   55,470   0   363,000   7,322,040   7,685,040   S-B7-Bq-4   VC Gutter (1/2 D= 110 mm)   100   40,000   0   1,380   52,270   0   55,200   2,090,800   2,146,000   2,460,000   3,216,800   3,216				64.00	,		36 700		Λ	2.148.8M	2.348,800
SB7-Bq-1   PVC Gutter (1/2 D= 110 mm)   m   40.00   0   1,380   52,270   0   55,200   2,090,800   2,146,000     SB7-Bq-16   Utrinoir   pieces   8.00   0   100   402,100   0   800   3,216,800   3,217,600     SB7-Bq-17   Somp Case   pieces   6.00   0   40   71,480   0   240   428,380   429,120     SB7-Bq-5   Closet   pieces   6.00   0   40   71,480   0   240   428,380   429,120     SB7-Bq-6   Washbak   pieces   1.00   0   40   442,480   0   4,380   518,460   522,840     SB7-Bq-6   Washbak   pieces   8.00   0   0   60,000   0   442,480   442,480   442,520     SB7-Bq-6   SB7-Bq-1   Floor Drain   pieces   8.00   0   0   60,000   0   480,000   480,000     SB7-Bq-8   SB7-Bq-8   Washbak   pieces   1.00   0   49,390   1,289,080   0   49,390   1,289,080   1,388,470     SB7-Bq-9   Bath Tub (Wastertark)   pieces   1.00   0   67,530   0   0   67,530   0   67,530     SB7-Bq-10   Kitchen table (Reinforcement Concrete)   m3   0.45   100   197,375   2,410,900   45   88,819   1,084,905   1,173,769     SB1-Bq-1   Installation and Lighting 40W-1 FL   pieces   52,00   0   0   233,060   0   0   12,119,120   12,119,120     SB1-Bq-5   Installation and Lighting 15W-2 FL   pieces   9,00   0   185,560   0   0   12,26,720   1,236,720     SB1-Bq-5   SB1-Bq-6   Flactallation and Lighting 15W-2 FL   pieces   200   0   0   185,560   0   0   1,236,720   1,236,720     SB1-Bq-6   SB1-Bq-6   Flactallation and Lighting 15W-2 FL   pieces   200   0   0   103,060   0   0   1,236,720   1,236,720     SB1-Bq-6   Flactallation system (Flactallation problem)   13,00   1,00   0   0   0   0   0   0   0   0   0									363,000		
SBT-Dq-7   Hand Zink (Westafel)   pieces   6.00   0   40   242,480   0   240   1,454,880   1,455,120	S-B7-Bq-4	PVC Gutter (1/2 D= 110 mm)		40.00	0	1,380	52,270	0	55,200	2,090,800	2,146,000
S-B7-Bq-17   Soap Case   pieces   6.00   0   40   71,480   0   240   428,380   429,120											
S-B7-Bq-6   Closet											
S-B7-Bq-6 Washbak pieces 8.00 0 0 40 442,480 0 40 442,480 442,520 S-B7-Bq-11 Floor Drain pieces 8.00 0 0 60,000 0 0 480,000 1,289,080 1,											
S-B7-Bq-1   Floor Drain   Pieces   8.00   0   0   60,000   0   0   480,000	S-B7-Bq-6										
SB7-Bq-9   Water Stop Valve   Prices   1,00   0   67,530   0   0   67,530	S-B7-Bq-11	Floor Drain	Soucce	8.00	0	0	60,000	0	. 0	480,000	480,000
S-B7-Bq-10   S-B											
SB7-Bq-10   Kitchen table (Reinforcement Concrete)   m3											
XII_ELECTRICAL_WORK					L .						
S-B11-Bq-1			125		100	(12,31)	3-10,500	"	60,019	1,004,503	1,173,107 24,143,023
S-B11-Bq-2   Installation and Lighting 40W-2 FL   pieces   52.00   0   0   233,060   0   0   12,119,120   1	S-B11-Bq-1		pieces	23.00					0	2,945,380	2,945,380
S-B11-Bq-4   Installation and Lighting 15W-2 FL   pieces   0   0   185,560   0   0   0   0   0   0   0   0   0									1		
S-B11-Bq-5   Installation and Lighting 15W-1 FL   Pieces   12:00   0   0   103,060   0   0   1,236,720   1,236,720   S-B11-Bq-26   Air Condition (IPK)   Pieces   2:00   0   0   4,057,240   0   0   8,114,480   8,114,480   S-B11-Bq-3   Fuse   Pieces   2:00   0   0   2:6,310   0   0   1,131,330   1,131,330   S-B11-Bq-3   Lighting Switch (Single)   Pieces   7:00   0   0   10,440   0   0   73,080   73,080				9.00							972,540
S-B11-Bq-26   Air Condition (1PK)   pieces   2.00   0   4,057,240   0   0   8,114,480   8,114,480   S-B11-Bq-7   Fuse   pieces   43,00   0   0   26,310   0   0   1,131,330   1,131,330   S-B11-Bq-8   Lighting Switch (Single)   pieces   7,00   0   0   10,440   0   0   73,080   73,080			, ,	. 12.00							1 236 220
S-B11-Bq-7   Fuse   pieces   43.00   0   26,310   0   0   1,131,330   1,131,330   S-B11-Bq-8   Lighting Switch (Single)   pieces   7.00   0   0   10,440   0   0   73,080   73,080											
S-B11-Bq-8 Lighting Switch (Single)   pieces   7.00   0   10,440   0   0   73,080   73,080	S-B11-Bq-7	Fuse		43.00	0	0	26,310	i 0	0	1,131,330	1,131,330
[3-511-59-9 [Lighting Swinch (Libruble)]   pieces   28.00]   0  0  10,440  0  0  0  292,320											
	2-R11-R6-8	[Lighting Switch (Double)	) pieces	28.00	0	0	10,440	1 0	1 0	292,320	292,320

### Table 4.2.7 (2/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

iD No.	[tem	Unit	Quantity		Unit Cost			Cost		. To	(e)
B) NO.	loan	Citt	Quanty	PF/C	IF/C	L/C	PF/C	IF/C	L/C		
S-B11-Bq-10	Outlet Socket Switch	pieces	41.00	0	0	11,440	0	0	469,040		
3-B11-Bq-11	Outlet Socket Installation	pieces	41.00	0	0	32,420	0	이	1,329,220		
S-B11-Bq-12	Lightning Protector	pieces	3.00	0	0	750,000	0	0]	2,250,000		
S-B11-Bq-13	Outlet Socket and Installation for AC	pieces	2.00		0	77,420	0	이	154,840		
	Fuse Box	pieces	3.00		0	31,310	0	이	93,930		Sub Total
3-B11-Bq-27	New Installation from PLN (8800 VA)	pieces	t.00	0	0	1,300,000	o	0	1,300,000	1,300,000	32,482,00
XIII. PAINTE		i	ļ .								[
S-B9-Bq-1	Wall Painting	m2	1,826.33		1,430	8,570		2,611,652	15,651,648		
S-B9-Bq-2	Wood Painting	m2	198.20	0	4,100			812,620	2,933,360		
S-B9-Bq-17	Ceiling Polytur	ro2	151.68		1,930			292,742	1,484,947		
S-B9-Bq-6	Steel Protection Painting	m	. 853.14	0	80	7,690		68,251	6,560,647		
S-B9-Bq-3	Ceiling Painting	m2	605.12	0	1,440	8,660	0	871,373	5,240,339	6,111,712	36,527,5
XUL FURNU	URE		1		]						l
S-B12-Bq-1	Meeting Room Table	unit	1.00		0	2,125,000	0	0	2,125,000		
S-B12-Bq-2	Moeting Room Chair	unit	12.00	0	0	200,000	0	0	2,400,000		
S-B12-Bq-3	Office Table	unit	50.00		0	500,000		0	25,000,000		
S-B12-Bq-4	Filling Cabinet	Unict	25.00		0	800,000	0	0	20,000,000		
S-B12-Bq-5	Computer Table	umit	4.00		0	600,000	0	0	2,400,000		
S-B12-Bq-6	Dining Table	unit	1.00		0	658,333	0	0	658,333		
S-B12-Bq-8	Portable Stove	unit	1.00		0	500,000		0	500,000		
S-812-Bq-9	Kitchen Set	unit	1.00	0	0	1,000,000		0	1,000,000		
S-B12-Bq-14	Front Office Table + 2 Chairs	unit	1.00	0	. 0	3,000,000	0	0	3,000,000		Sub Total
S-B12-Bc-10	Sofa	unit	4.00	0	. 0	833,333	0	0	3,333,333		
	1		1							Total Cost	946,485.3

### Table 4.2.7 (3/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	İtan	Unit	Quantity	PF/C	Unit Cost IF/C	L/C	PF/C	Cost IF/C	L/C	1	Total
				1110	un.	<u> </u>	FF/C	1670	170		
L EXCAYATE S-81-Bq-1	ON, FILLING, AND GRADING WORK	Ι,									
S-B1-Bq-2	Earth Cut, 1 m depth Earth Fill (Old)	m3 m3	77.68 35,03		0	16,000	0		1,242,880	1,242,880	
S-B1-Bq-3	Earth Fill (New)	m3	18.02		495	7,700 17,061	9,047	1 -	269,731	269,731	
\$-B1-Bq-4	Sand Full	3	8.19		1,620	41,800	9,047		307,441 342,342	325,416 355,610	
S-B1-Bq-5	Sand Fill Under Foundation	m3	8.10		1,620	41,800	ő		338,580		*.
					1,1-1.	1,,000	,	15	330,300	Sub Total	2,545,338
IL FOUNDAT											
S-B2-Bq-1	Dry Stone Masonry	m3	15.31	0	2,900	96,000	0	44,399	1,469,760	1,514,159	
S-82-Bq-3	Stone Masonry 1:3:10	m3	30.62		9,800	166,600	0		5,101,292	5,401,368	
\$-B2-Bq-2	Brick block 1:3:10	т3	2.09	0	6,960	325,310	0	14,546	681,988		
III DEINEOD	CEMENT CONCRETE WORK		1					!		Sub Total	7,612,061
S-B4-8q-1	Concrete K-225		8,02	0	43,680	184,460	o	250.214	1 470 740	1 830 (81	
S-B4-Bq-7	Steel Bar Dia, 12 mm	Kg	1,364.89	ő	1,203	9,128	. 0		1,479,369 12,458,716		
S-B4-Bq-8	Steel Bar Deformed Dist. 16 mm	Kg	1,501.07	0	1,286	9,320	0		12,438,110	14,100,679	
S-B4-Bq-2	Light Concrete (Concrete 1:3:5)	m3	5.73		30,410	422,790	. 0		2,422,587	2,596,836	
										Sub Total	18,527,197
IY ROOFING			]	i				i			
S-B5-Bq-6	Steel Truss	Kg	1,396.80		0	5,699	8,813,808		7,960,363	16,774,171	
S-B5-8q-7	Steel Purlin	Kg	1,161.01	6,310	0	5,699	7,325,973		6,616,596	13,942,569	
S-B5-Bq-5	Timber Raften and Timber Staten	m2	255.75	0	420	25,890	0		6,621,368	6,728,783	
S-B5-Bq-11 S-B5-Bq-12	Gutter Timber Batten Facing Timber Batten 30 x 300 mm	m2	24.30		600	41,310	0		1,003,833	1,018,413	
S-B5-Bq-13	Plywood Roof Cover	m2 m2	15.75		240	83,060	0		1,308,195	1,311,975	
S-B5-Bq-9	Asphalt Sheet Roof Cover	m2 m2	255.75 255.75	. 0	2,090 1,050	28,020 15,160	0.		7,166,115 3,877,170	7,700,633	
S-B5-Bq-10	Colour Bond Metal Sheet (Gutter)	m2	16.00		18,600	56,130	0		3,877,170 898,060	4,145,708 1,195,680	
S-B5-Bq-3	Ceramic Roof Tile	ret2	255.75	ů	12,150	40,350	Ó		10,319,513	1,193,000	
S-B5-Bq-4	Ceramic Ridge Tile		49.00		8,790	46,890	ō		2,297,610		
)					·				.,,	Sub Total	68,973,120
	E BLOCK WORK AND BRICKWORK							}	1,		
S-B3-Bq-2	Brickwall/brickwork 1:3 1/2 brick thick	ne3	3.21	. 0	16,610	361,140	. 0		1,181,729	1,235,048	
S-B3-Bq-1	Brickwall/brickwork 1:3:10 1/2 brick thick	m3	15.41	. 0	6,960	336,310	0	107,254	5,182,537		
VL PLASTER	WORK	· .			i			ļ		Sub Total	6,524,831
S-B3-Bq-4	Morter plastering 15 mm of thickness, 1:3				~~	0.704					
S-B3-Bq-3	Morter plastering 15 mm of thickness, 1:3:10	m2 m2	53.55 256.85		900 400	9,100 7,200	0		487,305		
S-B3-Bq-5	Morter plastering 15 mm of thickness, 1:2	m2	33.11	0	1,200	10,000	0		1,849,320 331,100	1,952,060	
S-B6-Bq-8	Terracote	m2	37.60	_	9,660	36,550	0	,	1,374,280	370,832 1,737,496	
			3	ŭ	2,000	30,330	Ů	303,210	1,314,207	Sub Total	4,595,888
	ND WINDOW WORKS										
S-B8-Bq-4	Aluminium swakening	,m	133.10	0	7,950	67,320	0	1,058,145	8,960,292	10,018,437	
S-B8-Bq-18	Aluminium Window Frame		61.00	0	4,170	58,500	0	254,370	3,568,500	3,822,870	
S-B8-Bq-6	Aluminium Door Frame	<b>6</b>	11.40	. 0	6,330	63,540	. 0	72,162	724,356	796,518	
S-B8-Bq-7	Aluminium Sliding-Window Frame	,th	17,40	0	6,330	42,860	0			855,906	
S-B8-Bq-8	Door Keys for Aluminium Door	pieces	1.00	0	15,600	48,570	0		48,570		
S-B8-Bq-9 S-B8-Bq-10	Espagnolette Door Hirsga (125 mm)	peoces	1.00	0	10,920	37,650	0		37,650	48,570	
S-B8-Bq-11	Windows Hings (75 mm)	picces	9.60	0	1,320	15,950	0		143,550	155,430	
S-B8-Bq-12	Al-Louvre	pieces m2	6.84	. 0	1,320 10,200	15,950 150,040	. 0		1,026,274	1 000 040	
S-B8-Bq-13	Door Stopper	pioces	2.00	0	12,480	41,290	0		1,020,274 <b>82,58</b> 0	1,096,042 107,540	
						,		2.,,,	04,00	Sub Total	16,965,483
VIII GLAZIN			[					[ '			
S-B9-Bq-8	Flost Glass H = 5 mm, (Natural Colour)	ps2	18,46	0	14,900	36,850	0	275,054	680,251	955,305	
										Sub Total	955,305
IX. INTERIOR S-B10-Bq-21		_		_				1			
\$-810-Bq-1	Waterproof Gypsum Board 12 mm + Wood Frame Fiber Cement Ceiling, 1200 x 1200 mm x 6 mm + Ceiling Frame	m.2 m.2	62.46 54.60	0	420	103,590	0		6,469,607	6,495,840	
S-B10-Bq-2	Wood Cornice	100.0	28.70	0	2,220 30	85,170 4,810	0		4,650,282	4,771,494	
S-B10-Bq-6	Gypsum Cornice for Ceiling		73.60		30	15,810	0		138,047 1,163,616	138,908 1,165,824	
S-B10-Bq-8	Lumbersering Skirting for Ceiling	602	21.90	o o	330	56,170	0	7,227	1,230,123	1,237,350	
		_		Ů		20.110		,,,,,,	1,220,021	Sub Total	7,313,576
X. TILE WOR					·						
S-B6-Bq-3	Cecemic Floor Tile, 300 x300 mm	<b>m</b> 2	63.50	0	9,660	36,550	0	613,410	2,320,925	2,934,335	
S-B6-Bq-4	Cerunic Floor Tile, 300 x300 mm, (Nonship Texture)	m2	27.25	0	9,660	36,550	. 0		995,988	1,259,223	
S-B6-Bq-1	Ceramic Floor Tile, 200 x 200 mm	m2 	35.62	0.	9,660	36,550	. 0		1,301,911	1,646,000	
S-86-Bq-2 \$-B9-8q-7	Ceramic Floor Tile, 200 x 200 mm (Norship Texture) Float Glass H = 100 mm, Raybund (For Wall base)	m2 -	6,40		9,660	36,550			233,920		
Jonet.	The cities is - 100 mm to knowns (Lot. M. 87) page)	m	39.00	. 0	2,950	8,280	0	115,050	322,920	437,970	2,33,00
XL SANITADA	WORK									Sub Total	6,573,277
S-B7-Bq-1	Water Supply Installation (PVC Pipes D= 19.05 mm)	m	35.00	0	. : 0	36,700	. 0		1,284,500	1,284,500	
S-B7-Bq-2	Waste Water Installation (PVC Pipes D= 110 mm (1*))	44	8.00	0	2,750	55,470	0		443,760		
\$-B7-Bq-5	Closed	pieces	2.00	ŏ	730	86,410	ŏ		172,820		
S-B7-Bq-6	Washbak	pieces	1.00	. 0	40	442,480			442,480		
S-B7-Bq-11	Floor Drain	picocs	2.00	0	0	60,000	0	0	120,000		
S-B7-Bq-3	Septic tunk	vnit	. 2.00	0	49,390		0	98,780	2,578,160	2,676,940	
S-87-Bq-8	Water Stop Valve	preces	5.00		0	67,530	. 0		337,650	337,650	
S-B7-Bq-9	Bath Tub (Watertunk)	pieces	2.00		200	140,170			280,340		
S-B7-Bq-10	Kitchen table (Reinforcement Concrete)	m3	0.36	. 100	197,375	2,410,900	36	71,055	867,924		
XIL ELECTRI	I WORK					:			1	Sub Total	6,721,40
S-811-8q-1	Installation and Lighting 40W-1 FL	pieces	8.00	0	0	128,060			1 004 100	1	
S-B11-Bq-2	Installation and Lighting 40W-2 FL	pieces	14.00		. 0	233,060	0		1,024,480 3,262,840		
S-B11-Bq-3	Installation and Lighting 20W-1 FL	picosi	14.00	0	0	108,060					
S-BII-Bq-4	Installation and Lighting 15W-2 FL	pieces	1	. 0	0	185,560			_	l v	
S-Bil-Bq-5	Installation and Lighting 15W-1 FL	pieces .	6.00	_	. 0	103,060	0			618,360	
S-B11-Bq-26	Air Condition (IPK)	pieces	] ""	0	0	4,057,240	0			0.000	1.5
S-BII-Bq-7	Fuse	pieces	3.00		. 0	26.310	ő			78,930	l
S-B11-Bq-8	Lighting Switch (Single)	pieces	2.00		ŏ	10,440	. 0				
	Lighting Switch (Double)	picces	5.00		ő	10,440	ő				
2-R11-R4-A			7.00		. 0	11,440	ŏ				1
S-B11-Bq-10	Outlet Socket Switch	picom	, ,,,,,,								
\$-B11-Bq-10 \$-B11-Bq-11	Outlet Socket Installation	pieces	7.00		0	32,420	0	. 0	226,940		
\$-B11-Bq-11 \$-B11-Bq-12	Outlet Socket Installation Lightning Protector				0		0				
\$-B11-Bq-10 \$-B11-Bq-11	Outlet Socket Installation	pieces		. 0 . 0	0 0 0	32,420	. 0	0		226,940 0 0	

### Table 4.2.7 (4/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

	4	Unit	Quantity		Unit Cost			Cost		I то	dal
ID No.	[iem	UNEC	Quantity	PF/C	IF/C	L/C	PF/C	IF/C	I/C		
3-B11-Bq-15	New Installation from PLN for 3500 VA	pieces	1.00	0	0	1,300,000	0	Ö	1,300,000	1,300,000	
	· ·	1	1			1				Sub Total	6,696,02
CIII. PAINTE	ic work							•			
-B9-Bq-1	Wall Pareing	m2	310.41	0	1,430	8,570	0	443,886	2,660,214		
B9-Bq-2	Wood Painting	m2	51.90	. 0	4,100	14,800	0	212,790	768,120		
S-B9-Bq-15	Wood polytur	m2	34.90	0.	200	20,800	0	6,980			
S-B9-B6	Steel Protection Painting	m	367.90	0	80	7,690	. 0	29,432	2,829,151		
-B9-Bo-3	Ceiling Painting	m2	62.46	. 0	1,440	8,660	0	89,942	540,904		
		1	1				ł	1		Sub Total	8,307,3
XIV. FURNIT	URE .		}			i . <b>i</b>	1			1	100
S-B12-Bq-15	Garden Chair	unit	4.00	0	0	200,000	. 0	0	800,000	\$00,000	
S-B12-Bq-6	Dining Table	unit	1.00	. 0	0	658,333	0	0	658,333	658,333	
3-B12-Bq-13	Bed Room Set	unit	2.00	. 0	0	1,500,000	0	0	3,000,000	3,000,000	
S-B12-Bq-8	Portuble Stove	unit	1.00	0	0	500,000	0	0	500,000	500,000	
S-B12-8q-9	Kitchen Set	unit	1.00	. 0	0	1,000,000	0	0	1,000,000	1,000,000	
S-B12-Bq-10	Sofa	unit	1.00		o	833,333	0	0	833,333	833,333	
3-1312-15Q-10	3012		1		-	,	i i			Sub Total	6,791,6
		l	1				. 1				
		1	1	l		l '[	i i			Total Cost	169,102,5

### Table 4.2.7 (5/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

\$-B1-Bq-1 \$-B1-Bq-2	ltom.	Unit	Quantity	PF/C	Unit Cost IF/C	LC.	PF/C	Cost IF/C	I/C		Total:
S-B1-Bq-1 S-B1-Bq-2	ION, FILLING, AND GRADING WORK									T	
	Earth Cest, I m depth	DL.)	51.30	. 0	. 0	16,000	oi	٥	\$20,800	820,800	f
	Earth Fill (Old)	ni.	23.19	0	ŏ		o	ő	178,563		1 .
S-B1-Bq-1	Earth Fill (New)	m3	27.30	502	495		13,706	13,526	465,767		
\$-81-Bq-4	Sand Fill	m)	\$.46	0	1,620	41,800	0	8,845	228,228		1
S-B1-8q-5	Send Fill Under Foundation	m3	5.20	0	1,620	41,800	0	8,424	217,360		
IL FOUNDAT	HON WORK									Sub Total	1,955,21
S-B2-Bq-1	Dry Stone Mesonry	_,	10.22								
S-B2-Bo-3	Stone Masonry 1:3:10	m3 m3	10.23 20.46	. 0	2,900		0	29,667	982,080		
S-D2-Bq-2	Brick block 1:3:10	m)	1.40		9,800		0	200,508	3,408,636		
,			1.40	Y	6,960	326,310	0	9,744	456,834		
III. REINFOR	CEMENT CONCRETE WORK		1 1			i i	ì	1		Sub Total	5,087,46
S-B4-Bq-1	Concrete K-225	ra3	4.56	0	43,680	184,460	0	199,181	041.100	1	ł
S-84-Bq-7	Steel Bar Dia. 12 mm	Kg	894.23	. 0	1,203	9,128	0	1.075,759	841,138 8,162,531		
S-B4-Bq-8	Steel Bar Deformed Dis. 16 mm	Kg		ď	1,286	9,320	0	1,073,739	8,102,331	9,238,290	
S-B4-Bq-2	Light Concrete (Concrete 1:3:5)	œ.	3.82	ől	30,410		ő	116,166	1,615,058	1,731,224	
				- 1		12-4,114	- 1	,	1,045,050	Sub Total	12,009,83
IV. ROOFING				1		i !				Vac IVIII	150000
S-B5-Bq-6	Steel Truss	Kg	618.60	6,310	0	5,699	3,903,366	0	3,525,401	7,428,767	
S-B5-Bq-7	Steel Parlin	Kg	418.73	6,310	0	5,699	2,642,186	ol	2,386,342		
S-B5-Bq-5	Timber Raften and Timber Batten	m-2	148.50	0	420	25,890	0	62,370	3,844,665		
S-B5-Bq-11	Gutter Timber Batten	m2	22.80	. 0	600	41,310	0	13,680	941,868		
S-B5-Bq-12 S-B5-Bq-13	Facing Timber Butten 30 x 300 mm	m2	12.60	이	240	\$3,060	0	3,024	1,046,556		
S-B5-Bq-9	Plywood Roof Cover	m2	148.50	0	2,090	28,020	. 0	310,365	4,160,970	4,471,335	
3-65-64-9 S-85-84-10	Asphalt Sheet Roof Cover Colour Bond Metal Sheet (Gutter)	mt2 2	148,50	0	1,050	15,160	0	155,925	2,251,260		İ
S-B5-Bq-3	Ceramic Roof Tile	m2 m2	13.00	0	18,600	56,130	0	241,800	729,690		
S-BS-Bq-4	Ceramic Ridge Tile		148.50 50.00	0	12,150	40,350	0	1,304,275	5,991,975		
		100	34,00	이	8,790	46,890	0	439,500	2,344,500		
Y. CONCRET	E BLOCK WORK AND BRICKWORK		l l	Į		·		!		Sub Total	36,799,71
8-B3-Bq-2	Brickwall/brickwork 1:3 1/2 brick thick	m3	2.66	0	16,610	368,140	0		C		
\$-83-Bq-1	Brickwall/brickwork 1:3:10 1/2 brick thick	ne3	15.23	o	6,960	336,310	0	44,183	979,252		
,				ĭ	0,500	330,310	o o	106,001	5,122,001	5,228,002	
VI. PLASTER	WORK	1 /						. [		Sub Total	6,251,43
S-B3-Bq-4	Mortar plastering 15 mm of thickness, 1:3	±12	47.16	0	900	9,100	o	42,444	429,156	471,600	
S-B3-Bq-3	Mortar plantering 15 mm of thickness, 1:3:10	<b>σ</b> 2	253,79	. 6	400	7,200	o	101.516	1,827,288	1,928,804	
S-B3-Bq-5	Mortar plantering 15 mm of thickness, 1:2	m.2	16.17	ol	1,200	10,000	ő	19,404	161,700	181,104	
S-B6-Bq-8	Terracota	m2	25.40	. 0	9,660	36,550	o	245,364	928,370	1,173,734	
100 000m							1			Sub Total	3,755,24
	AD WINDOW WORKS					: [	- 1				
S-B8-Bq-4 S-B8-Bq-24	Aluminium awakening	121	52.85	0	7,950	67,320	0	420,158	3,557,862	3,978,020	
S-88-Bq-6	Teskwood Panet Aluminium Door Frame	m2	8.21	어	300	455,700	0	2,463	3,741,297	3,743,760	, i
S-88-Bq-7	Aluminium Stiding-Window France	ធ	19.50	0[	6,330	63,540	0	123,435	1,239,030	1,362,465	
S-B8-8q-8	Door Keys for Aluminium Door	œt.	12.20	0	6,330	42,860	0	77,226	522,892	600,118	
S-B8-Bq-9	Expansion Administrating Deci	pieces	3.00	0	15,600	48,570	0	46,800	145,710	192,510	
S-B8-Bq-10	Door Hings (125 mm)	pieces	9.00	0	10,920	37,650	0	0	0	이	
S-B8-Bq-11	Windows Hings (75 mm)	pieces pieces		0	1,320	15,950	0	11,380	143,550	155,430	-
S-B8-Bq-12	Al-Lourie	m2	1.00		1,320	15,950	. 0	1,320	15,950	17,270	
S-B8-Bq-13	Door Stopper	picces	1	ol ol	12,480	150,040 41,290	0	0	. 0	0	
		,		۳,	12,400	71,250	ฯ	٧	. 0	0.3.7.4.1	10.040.57
VIII. GLAZIN	G WORK			1			1			Sub Total	10,049,57
S-B9-Bq-8	Float Glass H = 5 mm, (Natural Colour)	m2	8.69	o	14,900	36,850	o	129,481	320,227	449,708	
				1		20,000	ĭ	123,401	320,227	Sub Total	449,70
IX INTERIOR		1 1								San Ioraa	447,70
\$-B10-Bq-1	Fiber Cement Ceiling, 1200 x 1200 mm x 6 mm + Ceiling Fram	n=2	81.30	o	2,220	85,170	0	180,486	6,924,321	7,104,807	
S-B10-Bq-2	Wood Cornice	- 121	131.10	0	30	4,810	ol	3,933	630,591	634,524	
S-B10-Bq-3	Stainless Steel Hand Rail	<b>-</b>		144,220	0	37,413	0	0	0	. 0	
S-B10-Bq-4	Stainless Steel Railing	.ED		361,152	0	93,711	0	0.	0	l ol	
X. TILE WOR	1 9	t I	1	1	- 1	į,				Sub Total	7,739,33
	Ceramic Floor Tile, 300 x300 mm				1		1		1		
VPARA1	Ceramic Floor Tile, 300 x300 mm, (Norsdip Texture)	m2	42.75	0	9,660	36,550	0	412,965	1,562,513	1,975,478	
	Ceremic Floor Tile, 200 x 200 mm	m2 m2	15.00	0	9,660	36,550	0	144,900	548,250	693,150	
\$-B6-Bq-4	Ceramic Floor Tile, 200 x 200 mm (Nonship Texture)	n2	15.30 1.54	0	9,660	36,550	0	147,798	559,215	707,013	
S-B6-Bq-4 S-B6-Bq-1	Float Glass H = 100 mm, Rayband (For Wall base)	- TE		. 0	9,660	36,550 8,280	. 0	14,876	56,287	71,163	
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2							A.			490,751	
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7		1 - 1	43.70		2,950	4,200	0	128,915	361,836	Cont. Tono.	2 022
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7			43.70		2,930	8,280	0	128,915		Sub Total	3,937,555
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAU S-B7-Bq-1	R WORK. Water Supply Irestallation (PVC Pipes D= 19.05 mm)	m		0							3,937,555
S-B6-Bq-3 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAII S-B7-Bq-1 S-B7-Bq-1	WORK   Water Supply Installation (PVC Pipes D= 19.05 mm)   Waste Water Installation (PVC Pipes D= 110 mm)		2.50 11.00	0	0	36,700 55,470	0	0	91,750	91,750	3,937,555
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAII S-B7-Bq-1 S-B7-Bq-2 S-B7-Bq-5		m	2.50			36,700	0		91,750 610,170	91,750 640,420	3,937,555
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITALI S-B7-Bq-1 S-B7-Bq-2 S-B7-Bq-6	R WORLK     Water Supply Installation (PVC Pipes D= 19.05 mm)     Waste Water Installation (PVC Pipes D= 110 mm)     Closes   Wasteback	<b>8</b>	2.50 11.00	0	0 2,750	36,700 55,470	0	0 30,250	91,750 610,170 86,410	91,750 640,420 87,140	3,937,55
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITALI S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-6 S-B7-Bq-6	WORLK   Water Supply fratalisation (PVC Pipes D= 19.05 mm)   Waste Water Instalisation (PVC Pipes D= 110 mm)   Closec   Washbak   Floor Drain	nt nq pieces pieces pieces	2.50 11.00 1.00 1.00 1.00	0 0 0	0 2,750 730 40 0	36,700 55,470 86,410	0 0 0 0	0 30,250 730	91,750 610,170	91,750 640,420	3,937,55
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII. SANITAID S-B7-Bq-1 S-B7-Bq-6 S-B7-Bq-6 S-B7-Bq-11 S-B7-Bq-1 S-B7-Bq-1	WORK   Water Supply Installation (PVC Pipes D= 19.05 mm)   Waste Water Installation (PVC Pipes D= 110 mm)   Closes   Washbak   Floor Dyain   Septic tank	na piecos piecos piecos piecos umit	2.50 11.00 1.00 1.00 1.00 1.00	0 0 0	0 2,750 730 40 0 49,390	36,700 55,470 86,410 442,480 60,000 1,289,080	0 0 0 0	0 30,250 730 40	91,750 610,170 86,410 442,480	91,750 640,420 87,140 442,520	3,937,55:
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII. SANTTAII S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-6 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3	R WORK Water Supply Installation (PVC Pipes D= 19.05 mm) Waste Water Installation (PVC Pipes D= 110 mm) Closes Washbak Floor Drain Soptic tank Water Stop Valve	m pieces pieces pieces unit pieces	2,50 11,00 1,00 1,00 1,00 1,00 4,00	0 0 0 0	0 2,750 730 40 0 49,390	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530	0 0 0 0 0	0 30,250 730 40 0 49,390	91,750 610,170 86,410 442,480 60,000	91,750 640,420 87,140 442,520 60,000	3,937,55:
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAL S-B7-Bq-1 S-B7-Bq-2 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-9	R WORLK     Water Supply Installation (PVC Pipes D= 19.05 mm)     Waste Water Installation (PVC Pipes D= 110 mm)     Closet     Washbak     Floor Drain     Soptic tank     Water Stop Valve     Bath Tub (Waterback)	m pieces pieces pieces unit pieces pieces	2.50 11.00 1.00 1.00 1.00 1.00 4.00 1.00	0 0 0 0	0 2,750 730 40 0 49,390 0 200	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170	0 0 0 0 0	0 30,250 730 40 0 49,390 0 200	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170	91,750 640,420 87,140 442,520 60,000 1,338,470	3,937,55:
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII. SANITAII S-B7-Bq-1 S-B7-Bq-2 S-B7-Bq-5 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-9	R WORK Water Supply Installation (PVC Pipes D= 19.05 mm) Waste Water Installation (PVC Pipes D= 110 mm) Closes Washbak Floor Drain Soptic tank Water Stop Valve	m pieces pieces pieces unit pieces	2,50 11,00 1,00 1,00 1,00 1,00 4,00	0 0 0 0	0 2,750 730 40 0 49,390	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530	0 0 0 0 0	0 30,250 730 40 0 49,390	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120	3,937,55
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII. SANITAII S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-6 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-10	R WORLK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Water Supply Installation (PVC Pipes D= 110 mm)  Cloace  Washbak Floor Drain  Septic tank  Water Stop Valve  Bath Tub (Watertank)  Kitchen table (Reinforcement Concrete)	m pieces pieces pieces unit pieces pieces	2.50 11.00 1.00 1.00 1.00 1.00 4.00 1.00	0 0 0 0	0 2,750 730 40 0 49,390 0 200	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170	0 0 0 0 0	0 30,250 730 40 0 49,390 0 200	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370	3,937,55:
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAII S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-5 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak  Floor Drain  Septic tank  Water Stop Valve  Bath Tub (Waterback)  Kitchen table (Reinforcement Concrete)	m m pieces pieces pieces unit pieces pieces m3	2.50 11.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 200 197,375	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900	0 0 0 0 0 0	0 30,250 730 40 0 49,390 0 200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370, 313,005 Sub Total	
\$ 86.8q-4 \$-86.8q-1 \$-86.8q-2 \$-89.8q-7 XII \$ANTTAIN \$-87.8q-1 \$-87.8q-1 \$-87.8q-1 \$-87.8q-1 \$-87.8q-1 \$-87.8q-3 \$-87.8q-9 \$-87.8q-9 \$-87.8q-9 \$-87.8q-10	WORK   Water Supply Installation (PVC Pipes D= 19.05 mm)   Waste Water Installation (PVC Pipes D= 110 mm)   Closet   Washbak   Floor Drain   Soptic tenk   Water Stop Valve   Bath Tub (Watertark)   Kitchen table (Reinforcement Concrete)   UCAL WORK   Installation and Lighting 40W-1 FL	m pieces pieces pieces pieces unit pieces pieces m3	2.50 11.00 1.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 0 0 100	0 2,750 730 40 0 49,390 0 200 197,375	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900	0 0 0 0 0 0 0 0	0 30,250 730 40 0 49,390 0 200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total	
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAL S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B1-Bq-1	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak Floor Drain  Soptic tank  Water Stop Valve  Bath Tub (Watertawk)  Kitchen table (Reinforcement Concrete)  UCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 40W-2 FL	m pieces pieces pieces pieces pieces pieces m3 pieces pieces pieces	2.50 11.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 200 197,375	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060	0 0 0 0 0 0 0 0 0	0 30,250 730 40 0 49,390 200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total	
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAII S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-1 S-B1-Bq-1 S-B11-Bq-1 S-B11-Bq-1	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak  Floor Drain  Septic tank  Water Stop Valve  Bath Tuh (Watertank)  Kitchen table (Reinforcement Concrete)  UCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 40W-2 FL  Installation and Lighting 20W-1 FL	m pieces pieces pieces umit pieces pieces m3  pieces pieces pieces	2.50 11.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 0 0 100	0 2,750 730 40 0 49,390 0 2000 197,375	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 106,060	0 0 0 0 0 0 0 0 0	0 30,250 730 40 0 49,390 0 200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240 108,060	91,750 640,420 87,140 442,520 60,000 1,338,470, 270,120 140,370, 313,005 Sub Total 384,180 932,240 108,660	
\$-B6-Bq-4 \$-B6-Bq-1 \$-B6-Bq-2 \$-B9-Bq-7 XII \$-BATTAIL \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-3 \$-B7-Bq-9 \$-B7-Bq-9 \$-B7-Bq-9 \$-B11-Bq-1 \$-B11-Bq-2 \$-B11-Bq-2 \$-B11-Bq-3 \$-B11-Bq-3	WORK	na ma pieces pieces pieces ma pieces	2.50 11.00 1.00 1.00 1.00 4.00 4.00 0.12	0 0 0 0 0 0 100	0 2,750 730 40 0 49,390 0 200 197,375	36,700 55,470 86,410 442,480 67,530 140,170 2,410,900 128,660 233,060 108,060 125,560	0 0 0 0 0 0 0 0 0 0	0 30,250 730 40 0 49,390 0 200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240 108,060 742,240	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,180 932,240 108,060	
\$-B6-Bq-4 \$-B6-Bq-1 \$-B6-Bq-2 \$-B9-Bq-7 \$KL SANITALI \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-3 \$-B7-Bq-3 \$-B7-Bq-3 \$-B7-Bq-1 \$-B1-Bq-1 \$-B11-Bq-1 \$-B11-Bq-2 \$-B11-Bq-4 \$-B11-Bq-4 \$-B11-Bq-4	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak  Floor Drain  Septic tank  Water Stop Valve  Bath Tuh (Watertank)  Kitchen table (Reinforcement Concrete)  UCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 40W-2 FL  Installation and Lighting 20W-1 FL	na ma pieces pieces unit pieces unit pieces m3 pieces	2.50 11.00 1.00 1.00 1.00 1.00 4.00 1.00 4.00 1.00 4.00 1.00 4.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 200 197,375	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,660 233,060 105,060 105,060 103,060	0 0 0 0 0 0 0 0 12	0 30,250 730 40 0 0 49,390 0 200 23,685	91,750 610,170 86,410 442,800 60,000 1,289,080 270,120 140,170 289,308 384,130 932,240 108,060 742,240 103,060	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,130 932,240 108,060 742,240 103,060	
\$ B6-Bq-4 \$-B6-Bq-1 \$-B6-Bq-2 \$-B9-Bq-7  KH \$ANITAH \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B1-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-2 \$-B11-Bq-3 \$-B11-Bq-5	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak  Floor Drain  Septic tank  Water Stop Valve  Bath Tuh (Watertank)  Kitchen table (Reinforcement Concrete)  CCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Flustellation and Lighting 15W-1 FL  Flustellation and Lighting 15W-1 FL  Flustellation and Lighting 15W-1 FL	m m pieces pieces unit pieces m3 pieces m3 pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	2.50 11.00 1.00 1.00 1.00 4.00 0.12 3.00 4.00 1.00 4.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 0 49,390 0 200 197,375	36,700 55,470 86,410 442,480 60,000 1,299,090 67,530 140,170 2,410,900 128,060 133,660 103,060 103,060 103,060	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30,250 730 40 0 49,390 0 200 23,685 0 0	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,208 384,130 932,240 108,660 742,240 103,660 52,650	91,750 640,420 87,140 442,520 60,000 1,338,470, 270,120 140,370, 313,005 Sub Total 384,180 932,240 108,060 742,240 103,060	
\$ B6-Bq-4 \$ B6-Bq-1 \$ B6-Bq-2 \$ B9-Bq-7 \$ B7-Bq-1 \$ B7-Bq-1 \$ B7-Bq-1 \$ B7-Bq-3 \$ B7-Bq-3 \$ B7-Bq-3 \$ B7-Bq-3 \$ B7-Bq-3 \$ B7-Bq-1 \$ B1-Bq-1 \$ B11-Bq-1 \$ B11-Bq-2 \$ B11-Bq-7 \$ B11-Bq-7 \$ B11-Bq-7 \$ B11-Bq-7 \$ B11-Bq-9	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak Floor Drain Soptic tank  Water Stop Valve Bath Tub (Watertawk)  Kitchen table (Reinforcement Concrete)  CCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL	na ma piecoes	2.50 11.00 1.00 1.00 1.00 1.00 4.00 1.00 4.00 1.00 4.00 1.00 2.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 200 0 197,375	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 123,060 108,060 105,560 103,060 26,310 10,440	0 0 0 0 0 0 0 0 12	0 30,250 730 40 0 49,390 0 2200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 140,170 289,308 384,180 932,240 108,060 742,240 103,060 52,650 20,880	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,180 932,240 108,060 742,240 103,060 52,620 20,880	
\$B6-Bq-4 \$-B6-Bq-1 \$-B6-Bq-2 \$-B8-Bq-7 \$II SANTIAN \$-B7-Bq-1 \$-B7-Bq-2 \$-B7-Bq-5 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-3 \$-B7-Bq-3 \$-B7-Bq-3 \$-B7-Bq-1 \$-B11-Bq-1 \$-B11-Bq-2 \$-B11-Bq-3 \$-B11-Bq-4 \$-B11-Bq-3	WORK   Water Supply Installation (PVC Pipes D= 19.05 mm)   Waster Supply Installation (PVC Pipes D= 110 mm)   Closec   Washbak   Floor Drain   Septic tank   Water Stop Valve   Bath Tub (Waterbank)   Kitchen table (Reinforcement Concrete)     CAL WORK   Installation and Lighting 40W-1 FL   Installation and Lighting 40W-2 FL   Installation and Lighting 15W-2 FL   Installation and Lighting 15W-2 FL   Installation and Lighting 15W-2 FL   Installation and Lighting 15W-1 FL   Lighting Switch (Single)	m m perces pieces unit pieces pieces m3 pieces	2.50 11.00 1.00 1.00 1.00 1.00 4.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 200 197,375	36,700 55,470 86,410 472,480 69,000 1,289,080 67,530 140,170 2,410,900 128,060 135,560 103,060 103,060 104,40 10,440	0 0 0 0 0 0 0 0 0 12	0, 30,250 730, 400 0, 49,390 0, 200 23,685 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	91,750 610,170 86,410 442,480 60,000 1,289,908 270,120 140,170 289,308 384,180 932,240 108,060 742,240 103,060 52,650 20,889 41,760	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,130 932,240 108,060 742,240 103,060 52,620 20,880 41,760	
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANITAII S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-1 S-B1-Bq-1 S-B11-Bq-1 S-B11-Bq-1	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak Floor Drain Soptic tank  Water Stop Valve  Buth Tub (Watertank)  Kitchen table (Reinforcement Concrete)  CCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Fuse  Lighting Switch (Single)  Lighting Switch (Double)	m m pieces pieces unit pieces m3 pieces	2.50 11.00 1.00 1.00 1.00 4.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 200 197,375 0 0 0 0	36,700 55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 123,060 103,060 103,060 103,060 103,060 11,440 11,440 11,440	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30,250 730 40 0 49,390 0 200 23,685 0 0 0	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240 103,060 742,240 103,060 52,620 20,880 41,760 57,260	91,750 640,420 87,140 442,520 60,000 1,338,470, 270,120 140,370, 313,005 Sub Total 384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200	
S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 XII SANTTAIN S-B7-Bq-1 S-B7-Bq-2 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-9 S-B7-Bq-10 XIII ELECTR S-B11-Bq-1 S-B11-Bq-1 S-B11-Bq-4 S-B11-Bq-4 S-B11-Bq-4 S-B11-Bq-4 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-8 S-B11-Bq-1	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak  Floor Dvain  Septic tank  Water Stop Valve  Bath Tuh (Watertunk)  Kitchen table (Reinforcement Concrete)  UCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Fuse  Lighting Switch (Single)  Lighting Switch (Double)  Ouller Socket Switch	na ma piecora	2.50 11.00 1.00 1.00 1.00 1.00 1.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 197,375 0 0 0 0 0 0	36,700 55,470 86,410 472,480 60,000 1,29,090 67,530 140,170 2,410,900 123,060 103,060 103,060 123,560 104,060 104,40 10,440 11,440 11,440 11,420	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30,250 730 0 49,390 0 2200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240 108,060 742,240 103,060 52,520 20,889 41,760 57,200 162,100	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,130 932,240 103,060 742,240 103,060 52,620 20,880 41,760 57,200	
\$-86-8q-4 \$-86-8q-1 \$-86-8q-2 \$-86-8q-2 \$-89-8q-7  XII \$-8ANTAII \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-87-8q-1 \$-811-8q-1 \$-811-8q-4 \$-811-8q-9 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1	WORK   Water Supply Installation (PVC Pipes D= 19.05 mm)   Waster Supply Installation (PVC Pipes D= 110 mm)   Clease   Washbak   Floor Drain   Septic tank   Water Stop Valve   Bath Tub (Waterback)   Kitchen table (Reinforcement Concrete)     WALE   WORK   Installation and Lighting 40W-1 FL   Installation and Lighting 20W-1 FL   Installation and Lighting 15W-2 FL   Installation and Lighting 15W-2 FL   Installation and Lighting 15W-1 FL   Lighting Switch (Single)   Lighting Switch (Double)   Cullet Socket Installation   Cullet Socke	m m perces pieces unit pieces	2.50 11.00 1.00 1.00 1.00 1.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00 5.00 5.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 2000 197,375	36,700 55,470 86,410 472,480 69,000 1,289,080 67,530 140,170 2,410,900 128,060 135,560 103,060 104,40 104,40 104,40 11,440 31,410	0 0 0 0 0 0 0 0 12	0, 30,250 730, 400 0, 49,390 200, 23,685 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	91,750 610,170 86,4110 442,480 60,000 1,289,908 270,120 140,170 289,308 384,180 932,240 103,060 742,240 103,060 52,620 20,880 57,200 162,100 31,310	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,130 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100	
\$B6-Bq-4 \$-B6-Bq-1 \$-B6-Bq-1 \$-B6-Bq-2 \$-B9-Bq-7 \$(II \$ANTTAII \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-1 \$-B7-Bq-6 \$-B7-Bq-1 \$-B7-Bq-6 \$-B7-Bq-1 \$-B7-Bq-9 \$-B7-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-2 \$-B11-Bq-2 \$-B11-Bq-3 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-1 \$-B11-Bq-11 \$-B11-Bq-11	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak Floor Drain Soptic tank  Water Stop Valve Bath Tub (Watertank)  Kitchen table (Reinforcement Concrete)  **CAL WORK**  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL  Classifiang Switch (Single)  Lighting Switch (Double)  Outlet Socket Installation  Fuse Box  New Installation from PLN for 450 VA	na ma piecora	2.50 11.00 1.00 1.00 1.00 1.00 1.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 197,375 0 0 0 0 0 0	36,700 55,470 86,410 472,480 60,000 1,29,090 67,530 140,170 2,410,900 123,060 103,060 103,060 123,560 104,060 104,40 10,440 11,440 11,440 11,420	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30,250 730 0 49,390 0 2200 23,685	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,130 932,240 103,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,130 108,000	91,750 640,420 87,140 442,520 60,000 1,338,470, 270,120 140,370, 313,005 Sub Total 384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,310 108,000	3,383,79
386-89-4 3-86-89-1 3-86-89-2 3-89-89-7 381-89-2 3-87-89-1 3-87-89-3 3-87-89-3 3-87-89-1 3-87-89-1 3-87-89-1 3-811-89-1 3-811-89-1 3-811-89-3 3-	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Water Supply Installation (PVC Pipes D= 110 mm)  Closes  Weshbak  Floor Drain  Septic tank  Water Stop Valve  Bath Tub (Watertunk)  Kitchen table (Reinforcement Concrete)  CCAL WORK  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Fuse  Lighting Switch (Single)  Lighting Switch (Double)  Outlet Socket Switch  Outlet Socket Installation  Fuse Box  New Installation from PLN for 450 VA  G WORK	m m perces pieces unit pieces	2.50 11.00 1.00 1.00 1.00 1.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00 5.00 5.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 2000 197,375	36,700 55,470 86,410 472,480 69,000 1,289,080 67,530 140,170 2,410,900 128,060 135,560 103,060 104,40 104,40 104,40 11,440 31,410	0 0 0 0 0 0 0 0 12	0, 30,250 730, 400 0, 49,390 200, 23,685 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,130 932,240 103,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,130 108,000	91,750 640,420 87,140 442,520 60,000 1,338,470 270,120 140,370 313,005 Sub Total 384,130 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100	3,383,79
3-86-8-4 3-86-8-1 3-86-8-2 3-86-8-2 3-86-8-2 3-87-8-1 3-87-8-2 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-87-8-3 3-811-8-3	R WORK  Water Supply Installation (PVC Pipes D= 19.05 mm)  Waste Water Installation (PVC Pipes D= 110 mm)  Closes  Washbak Floor Drain Soptic tank  Water Stop Valve Bath Tub (Watertank)  Kitchen table (Reinforcement Concrete)  **CAL WORK**  Installation and Lighting 40W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 20W-1 FL  Installation and Lighting 15W-2 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL  Installation and Lighting 15W-1 FL  Classifiang Switch (Single)  Lighting Switch (Double)  Outlet Socket Installation  Fuse Box  New Installation from PLN for 450 VA	m m perces pieces unit pieces	2.50 11.00 1.00 1.00 1.00 1.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00 5.00 5.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2,750 730 40 0 49,390 0 2000 197,375	36,700 55,470 86,410 472,480 69,000 1,289,080 67,530 140,170 2,410,900 128,060 135,560 103,060 104,40 104,40 104,40 11,440 31,410	0 0 0 0 0 0 0 0 12	0, 30,250 730, 400 0, 49,390 200, 23,685 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	91,750 610,170 86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,130 932,240 103,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,130 108,000	91,750 640,420 87,140 442,520 60,000 1,338,470, 270,120 140,370, 313,005 Sub Total 384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,310 108,000	

### Table 4.2.7 (6/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	licen	Unit	Quartity		Unit Cost			Cost	····	J	otal
ш но.	,	0/.0	Quality	PF/C	IP/C	L/C	PF/C	IF/C	ĽC	<u> </u>	
S-B9-Bq-6	Steel Protection Painting	ŢĐ.	157,08	Q	90	7,690	0	12,566	1,207,945	1,220,512	
\$-B9-Bq-3	Ceiling Painting	m2	\$1.30	0	1,440	8,660	0	117,072	704,058	821,130	
·	:		! !				ŀ			Sub Total	4,023,292
XY, FURNITU	RE	i				1	ļ	i			
	Diring Table	unit	1.00	0	0	658,333	. 0]	o	658,333	658,333	
S-B12-Bq-16	Double Bod Set	unit	1.00	0	0	1,000,000	· 0	0	1,000,000	1,000,000	
S-B12-Bq-8	Portable Stove	unit	1.00	G	0	500,000	0	0	500,000	500,000	
S-B12-Bq-9	Kitchen Set	unit	1.00	. 0	. 0	1,000,000	0	0	1,000,000	1,000,000	
S-D12-Bq-10	Sofa	unit	2.00	0	. 0	833,333	0	0	1,666,667	1,666,667	
		i	i I		į l		i			Sub Total	4,825,000
i					1	. 1					
1		L	1							Total Cost	143,610,821

### Table 4.2.7 (7/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	l'tem	Unit	Quentity	PF/C	Unit Cost IF/C	υc .	PF/C	Cost IF/C	L/C	T	'otal
T PYGANA	YON ET LINE OND CO INVICEMENT					<del></del>					
<u>1. EXCAYAT</u>  \$-B1-B4 <u>+</u> !	YON, FILLING, AND GRADING WORK  Earth Cut, 1 m depth	ra3	51.30	اه	o	16,000	n	0	820,800	820,800	l l
S-B1-Bq-2	Earth Fill (Old)	m3	23.19	ő	ŏ	7,700	ŏ	ŏ	178,563	178,563	*
S-BI-Bq-3	Earth Fill (New)	m3	27.30	502	495	17,061	13,706	13,526	465,767	492,999	
S-B1-Bq-4	Sand Fill	m)	5.46	0	1,620	41,800	0	8,845	228,228	237,073	
S-B1-Bq-5	Sand Fill Under Foundation	m.3	5.20	이	1,620	41,800	0	8,424	217,360	225,784	1.055.310
II. FOUNDAT	TION WORK			l				İ	-	Sub Total	1,955,219
S-B2-Bq-I	Dry Stone Masonry	m3	10.23	اه	2,900	96,000	0	29,667	982,080	1,011,747	
S-B2-Bq-3	Stone Masonry 1:3:10	m3	20.46	0	9,800	166,600	0	200,508	3,408,636	3,609,144	
S-B2-Bq-2	Brick block 1:3:10	m3	1.40	이	6,960	326,310	0	9,744	456,834	466,578	7.007.40
III DEINEN	RCEMENT CONCRETE WORK			.	ŀ	[		i		Sub Total	5,087,469
S-B4-Bq-1	Concrete K-225	<b>m</b> 3	4.56	0	43,680	184,460	0	199,181	841,138	1,040,318	
3-84-Bq-7	Steel Bar Dia. 12 mm	Kg	894.23	ŏ	1,203	9,128	ŏ	1,075,759	8,162,531	9,238,290	ļ i
S-B4-Bq-8	Steel Bar Deformed Dia. 16 mm	Kg		0	1,286	9,320	0	0	0	. 0	· .
S-B4-Bq-2	Light Concrete (Concrete 1:3:5)	m3	3.82	0	30,410	422,790	0	116,166	1,615,058	1,731,224	12 000 027
IV. ROOFIN	CMODE			1		-				Sub Total	12,009,833
S-B5-Bq-6	Steel Truss	Kg	618.60	6,310	ol	5,699	3,903,366	0	3,525,401	7,428,767	l i
S-B5-Bq-7	Steel Purlin	Kg	418.73	6,310	ŏ	5,699	2,642,186	ől	2,386,342	5,028,529	
S-B5-Bq-5	Timber Raften and Timber Batten	m2	148.50	0	420	25,890	Û	62,370	3,844,665	3,907,035	
S-B5-Bq-11	Gutter Timber Batten	m2	22.80	이	600	41,310	0	13,680	941,868	955,548	
S-B5-Bq-12	Facing Timber Batten 30 x 300 mm Plywood Roof Cover	m2 m2	12.60 148.50	0	240 2,090	83,060	·0	3,024	1,046,556	1,049,580	,
S-BS-Bq-13 S-BS-Bq-9	Asphalt Short Roof Cover	m.z m.2	148.50	ő	1,050	28,020 15,160	n	310,365 155,925	4,160,970 2,251,260	4,471,335 2,407,185	
S-B5-Bq-10	Colour Bond Metal Sheet (Gutter)	m2	13.00	ő	18,600	56,130	. 0	241,800	729,690	971,490	
S-B5-Bq-3	Cerumic Roof Tile	m2	148.50	. 0	12,150	40,350	0	1,804,275	5,991,975	7,796,250	'
S-B5-Bq-4	Ceramic Ridge Tile	10.	50.00	0	8,790	46,890	0	439,500	2,344,500	2,784,000	
V COVERN	TE BLOCK WOOK AND BOWWOOD			]	.	l				Sub Total	36,799,719
S-B3-Bq-2	TE BLOCK WORK AND BRICKWORK  Brickwall/brickwork 1:3 1/2 brick thick	m3	2.66	اه	16,610	368,140	0	44,183	979,252	1,023,435	
S-B3-Bq-1	Brickwall/brickwork 1:3:10 1/2 brick thick	m3	15.23	ŏ	6,960	336,310	0	106,001	5,122,001	5,228,002	
1				1			[	-,		Sub Total	6,251,437
VL PLASTE											, ,
S-B3-Bq-4 S-B3-Bq-3	Mortar pleatering 15 mm of thickness, 1:3	m2 -3	47.16 253.79	0	900 400	9,103 7,200	0	42,444 101,516	429,156 1,827,288	471,600 1,928,804	
S-B3-Bq-5	Mortar plastering 15 mm of thickness, 1:3:10 Mortar plastering 15 mm of thickness, 1:2	m2 m2	16.17	ő	1,200	10,000	0	19,404	161,700	1,928,804	1
S-B6-Bq-8	Terracota	m2	25.40	ŏ	9,660	36,550	. 0	245,364	928,370		
· ·										Sub Total	3,755,242
AIT DOOR2											1
S-B8-Bq-4	Aluminium awakening	m.	52.85	0	7,950	67,320	. 0	420,158	3,557,862		
S-B8-Bq-24 S-B8-Bq-6	Teakwood Panel Aluminium Door Frame	101.2 100	8.21 19.50	. 0	300 6,330	455,700 63,540	0	2,463 123,435	3,741,297 1,239,030	3,743,760 1,362,465	
S-B8-Bq-7	Aluminium Sliding-Window France		12.20	. 0	6,330	42,860	o	77,226	522,892	600,118	
S-B8-Bq-8	Door Keys for Alustinium Door	pieces	3.00	0	15,600	48,570	0	46,900	145,710	192,510	
S B8 Bq-9	Espagnolette	pieces		0	10,920	37,650	0	0]	0	o	
S-B8-Bq-10	Door Hings (125 mm)	pieces	9.00	. 0	1,320	15,950	0	11,830	143,550	155,430	
S-B8-Bq-11	Windows Hings (75 mm) Al-Lourre	pieces m2	1,00	0	1,320	15,950 150,040	0	1,320 0	15,950	17,270	
S-B\$-Bq-12 S-B\$-Bq-13	Door Stopper	pieces	1	0	10,200 12,480	41,230	0	0	. 0		
		,			,		-	-	_	Sub Total	10,049,573
VIII GLAZI		25.5									
S-B9-Bq-8	Flout Ghess H = 5 mm, (Natural Colour)	m2	8.69	. 0	14,900	36,850	. 0	129,481	320,227	449,708 Sub Total	
IX INTERN	OR FINISHING									Sub total	449,708
S-B10-Bq-1	Fiber Cemera Ceiling, 1200 x 1200 mm x 6 mm + Ceiling Frans	m2	81.30	. oi	2,220	85,170	0	180,486	6,924,321	7,104,807	-
\$-B10-Bq-2	Wood Comice		131.10	0	. 30	4,810	0	3,933	630,591	634,524	
S-B10-Bq-3	Stainless Steel Hand Rail	- 10		144,220	0	37,413	0		0	9	1
S-B10-Bq-4	Stainless Steel Railing	m		361,152	0	93,711	. 0	0	0	l	7 730 331
X. TILE WO	)RK									Sub Total	1,139,331
S-B6-Bq-3	Ceramic Floor Tile, 300 x300 mm	m2	42.75	. 0	9,660	36,550	0	412,965	1,562,513	1,975,478	:
S-B6-Bq-4	Ceramic Floor Tile, 300 x300 mm, (Nonslip Texture)	m2	15.00		9,660	36,550			548,250		
S-B6-B0-1	Ceramic Floor Tile, 200 x 200 mm	m2	15.30		9,660	36,550			559,215		
S-B6-Bq-2 S-B9-Bq-7	Ceramic Floor Tile, 200 x 200 mm (Norslip Texture) Float Glass H ~ 100 mm, Rayband (For Wall base)	102 03	1.54	0	9,660 2,950	36,550 8,280			56,287 361,836		
1	The same is the same and the same of the s	"	3.70	"	2,500	9,200		12000	,	Sub Total	3,937,555
XIL SANITA		!	1		. •			İ			
S-B7-Bq-1	Water Supply Installation (PVC Procs D= 19.05 mm)		2.50	0	0	36,700	. 0		91,750 610,170		
S-B7-Bq-2		1	1							640,420	
	Waste Water Installation (PVC Pipes D= 110 mm)		11.00	0	2,750	55,470	. 0				۱.
S-B7-Bq-5	Waste Water Installation (PVC Pipes D= 110 mm) Closet	pieces	1.00	0	730	86,410	0	730	86,410	87,140	
	Waste Water Installation (PVC Pipes D= 110 mm)			0		86,410	0	730 40	86,410	87,140 442,520	)
S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-11 S-B7-Bq-3	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank	picces picces picces unit	1.00 1.00 1.00	0 0 0	730 40	86,410 442,480 60,000 1,289,080	0 0 0 0	730 40 0 49,390	86,410 442,480 60,000 1,289,080	87,140 442,520 60,000 1,338,470	
\$-B7-Bq-5 \$-B7-Bq-6 \$-B7-Bq-11 \$-B7-Bq-3 \$-B7-Bq-8	Waste Water Installation (PVC Pipes D= 110 mm) Closest Washbak Floor Drain Septic tank Water Stop Valve	picces picces picces unit picces	1.00 1.00 1.00 1.00 4.00	0 0 0 0	730 40 0 49,390 0	86,410 442,480 60,000 1,289,080 67,530	0 0 0 0 0	730 40 0 49,390	86,410 442,480 60,000 1,289,080 270,120	87,140 442,520 60,000 1,338,470 270,120	
S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-11 S-B7-Bq-3 S-B7-Bq-8 3-B7-Bq-9	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Waster Stop Valve Bath Tub (Wastertank)	pieces pieces pieces unit pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00	0 0 0 0	730 40 0 49,390 0 200	86,410 442,480 60,000 1,289,080 67,530 140,170	0 0 0 0 0 0	730 40 0 49,390 0 200	86,410 442,480 60,000 1,289,080 270,120 140,170	87,140 442,520 60,000 1,338,470 270,120 140,370	
\$-B7-Bq-5 \$-B7-Bq-6 \$-B7-Bq-11 \$-B7-Bq-3 \$-B7-Bq-8	Waste Water Installation (PVC Pipes D= 110 mm) Closest Washbak Floor Drain Septic tank Water Stop Valve	picces picces picces unit picces	1.00 1.00 1.00 1.00 4.00	0 0 0 0	730 40 0 49,390 0 200	86,410 442,480 60,000 1,289,080 67,530 140,170	0 0 0 0 0 0	730 40 0 49,390 0 200	86,410 442,480 60,000 1,289,080 270,120	87,140 442,520 60,000 1,338,470 270,120 140,370 313,000	
S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-11 S-B7-Bq-3 S-B7-Bq-8 3-B7-Bq-10 XIII, ELEC	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Water Stop Valve Buth Tub (Waterbank) Kitchen table (Reinforcement Concrete) TRECAL WORK	pieces pieces pieces unit pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 0	730 40 0 49,390 0 200	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900	0 0 0 0 0 0 0 0	730 40 0 49,390 0 200	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308	87,140 442,520 60,000 1,338,470 270,120 140,370 313,000 Sub Total	3,383,799
S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-11 S-B7-Bq-3 S-B7-Bq-9 S-B7-Bq-10 XHL_ELEC' S-B11-Bq-1	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Water Stop Valve Bath Tub (Watertank) Kitchen table (Reinforcement Constrete)  TREAL WORK Installation and Lighting 40W-1 FL	pieces pieces pieces unit pieces pieces m3	1.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 0 100	730 40 0 49,390 0 200 197,375	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900	0 0 0 0 0 0 0	730 40 0 49,390 9 200 23,685	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308	87,140 442,520 60,000 1,338,470 270,120 140,370 313,000 Sub Total	3,383,799
S-B7-Bq-5 S-B7-Bq-11 S-B7-Bq-13 S-B7-Bq-8 S-B7-Bq-9 S-B7-Bq-10 XHI_ELECT S-B11-Bq-1 S-B11-Bq-1	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Dvain Septic tank Water Stop Valve Buth Tub (Watertunk) Kitchen table (Reinforcement Conscrete)  TRECAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL	pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00 0.12	0 0 0 0 0 100	730 40 0 49,390 0 200 197,375	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060	0 0 0 0 0 0 12	730 40 0 49,390 9 200 23,685	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240	87,140 442,522 60,000 1,338,470 270,120 140,370 313,000 Sub Total 384,180 932,240	3,383,795
S-B7-Bq-5 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-8 3-B7-Bq-9 S-B7-Bq-10 XHL ELEC S-B11-Bq-2 S-B11-Bq-2 S-B11-Bq-2	Weste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Water Stop Valve Bath Tub (Watertank) Kitchert table (Reinforcement Concrete)  FRCAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 40W-1 FL	pieces pieces pieces pieces pieces pieces m3  pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00 0.12 3.00 4.00 1.00	0 0 0 0 0 0 100 0	730 40 0 49,390 0 200 197,375	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060	0 0 0 0 0 0 12	730 40 0 49,350 0 200 23,685	86,410 442,480 60,000 1,289,030 270,120 140,170 289,308 384,180 932,240 108,060	87,140 442,520 60,000 1,338,470 270,120 140,370 313,000 Sub Total 384,180 932,244 108,060	3,383,795
S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-8 S-B7-Bq-10 XHL ELEC S-B11-Bq-1 S-B11-Bq-3 S-B11-Bq-3 S-B11-Bq-3	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Water Stop Valve Bath Tub (Watertank) Kitchert table (Reinforcement Concrete)  RECAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.00 1.00 4.00 0.12 3.00 4.00 1.00 4.00 4.00	0 0 0 0 0 100 100	730 40 0 49,390 0 200 197,375	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 185,560	0 0 0 0 0 0 0 12	730 40 0 49,390 0 20 23,685	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240 108,060 742,240	87,140 442,520 60,000 1,338,470 270,120 140,370 313,000 Sub Total 384,184 932,244 108,060 742,240	3,383,799
\$-87-8q-5 \$-87-8q-1 \$-87-8q-1 \$-87-8q-3 \$-87-8q-8 \$-87-8q-10 \$-811-8q-1 \$-811-8q-2 \$-811-8q-3 \$-811-8q-4 \$-811-8q-5 \$-811-8q-5	Weste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic lank Water Stop Valve Bath Tub (Watertank) Kitchert table (Reinforcement Concrete)  FRCAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Fuse	pieces pieces pieces pieces pieces pieces m3  pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 0.12 3.00 4.00 1.00 4.00 1.00	0 0 0 0 0 100 0 0 0 0 0	730 40 0 49,390 0 200 197,375	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 103,060 103,060 26,310	0 0 0 0 0 12	730 40 49,390 200 23,685	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,180 932,240 108,060 742,240 103,060 52,620	37,14( 442,52( 60,000 1,338,470 270,120 140,370 313,000 Sub Total  384,186 932,244 108,066 742,246 103,066 52,626	3,383,795
\$-87-8q-5 \$-87-8q-11 \$-87-8q-3 \$-87-8q-3 \$-87-8q-9 \$-87-8q-10 \$-811-8q-1 \$-811-8q-4 \$-811-8q-4 \$-811-8q-4 \$-811-8q-8	Wasto Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Water Stop Vaive Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  TRECAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuee Lighting Switch (Single)	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00	0 0 0 0 0 0 0 0 0 0 0	730 40 0 49,390 0 200 197,375 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,909 128,060 233,060 108,060 103,060 26,310 10,440	0 0 0 0 0 12	730 40 0 49,390 200 23,685 0 0 0 0	86,410 442,489 60,000 1,289,030 270,120 140,170 289,308 384,130 932,246 108,060 742,246 103,060 52,620 20,886	87,144 442,521 60,000 1,338,470 270,132 140,377 313,005 Sub Total 384,186 932,244 103,066 742,246 103,066 52,652 20,88	3,383,799
\$-87-8q-5 \$-87-8q-11 \$-87-8q-3 \$-87-8q-3 \$-87-8q-9 \$-87-8q-9 \$-811-8q-2 \$-811-8q-3 \$-811-8q-5 \$-811-8q-7 \$-811-8q-7 \$-811-8q-9	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Dvain Septic tank Water Stop Vaive Buth Tub (Watertunk) Kitchen table (Reinforcement Concrete)  TREAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Func Lighting Switch (Single) Lighting Switch (Single) Lighting Switch (Single)	pieces pieces pieces unit pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 4.00	0 0 0 0 0 0 0 100 0 0 0 0	730 40 49,390 0 200 197,375 0 0 0 0	86,410 442,480 60,000 1,289,000 67,530 140,170 2,410,900 128,060 108,060 185,560 103,060 10,440 10,440	0 0 0 0 0 12 12	730 40 0 49,350 200 23,685	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,186 932,240 108,060 742,244 103,060 52,620 20,886 41,766	87,144 442,521 60,000 1,338,470 270,120 140,370 313,000 Sub Total 384,184 932,244 103,066 742,244 103,066 52,620 20,888 41,766	3,383,799
\$-87.8q-5 \$-87.8q-6 \$-87.8q-11 \$-87.8q-3 \$-87.8q-9 \$-87.8q-10 \$-811.8q-1 \$-811.8q-1 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-5 \$-811.8q-7 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3	Wasto Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Water Stop Valve Buth Tub (Watertank) Kitchen tuble (Reinforcement Concrete)  FREAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Func Lighting Switch (Single) Lighting Switch (Single) Outlet Socket Switch	pieces pieces pieces unit pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.000 1.000 4.000 0.12 3.000 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00	0 0 0 0 0 0 100 0 0 0 0 0 0	730 40 49,390 0 200 197,375 0 0 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 125,560 103,060 26,310 10,440 11,440	0 0 0 0 0 0 0 12	730 40 49,390 6 200 23,885 0 0 0 0 0	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,186 932,240 108,060 742,240 103,060 52,620 20,836 41,766 57,200	87,144 442,522 60,000 1,338,470 270,132 140,377 313,000 Sub Total  384,188 932,244 108,060 742,244 103,060 52,620 20,888 41,760 57,200	3,383,795
\$-87-8q-5 \$-87-8q-11 \$-87-8q-3 \$-87-8q-3 \$-87-8q-9 \$-87-8q-10 \$-811-8q-10 \$-811-8q-4 \$-811-8q-4 \$-811-8q-4 \$-811-8q-4 \$-811-8q-16 \$-811-8q-16 \$-811-8q-16	Waste Waster Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Waster Stop Valve Buth Tub (Wasterbank) Kitchern table (Reinforcement Concrete)  TRECAL WORK Installation and Lighting 40W-1 FU Installation and Lighting 40W-2 FU Installation and Lighting 20W-1 FU Installation and Lighting 15W-2 FU Installation and Lighting 15W-2 FU Installation and Lighting 15W-1 FU Fue Lighting Switch (Single) Lighting Switch (Oouble) Outlet Socket Switch Outlet Socket Installation	pieces pi	1.00 1.00 1.000 1.000 4.00 1.000 0.12 3.00 4.00 1.00 2.00 4.00 2.00 4.00 5.00 5.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	730 40 49,390 0 2000 197,375 0 0 0 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,909 123,060 233,060 103,060 185,560 103,060 10,440 10,440 11,440 32,420	0 0 0 0 0 0 12 12	730 40 49,390 2000 23,685 0 0 0 0 0 0 0	86,410 42,480 60,000 1,289,030 270,120 140,170 289,308 334,130 138,066 742,244 103,066 52,622 20,338 41,766	87,144 442,521 60,000 1,338,470 270,132 140,370 313,000 Sub Total 384,186 932,244 103,066 742,246 103,066 52,622 20,888 41,766 57,200 162,100	3,383,799
\$-87.8q-5 \$-87.8q-6 \$-87.8q-11 \$-87.8q-3 \$-87.8q-9 \$-87.8q-10 \$-811.8q-1 \$-811.8q-1 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-5 \$-811.8q-7 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3 \$-811.8q-3	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Dvain Septic tank Water Stop Vaive Buth Tub (Waterank) Kitchen table (Reinforcement Concrete)  TRICAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch Outlet Socket Installation Fuse Box	pieces pieces pieces unit pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.000 1.000 4.000 0.12 3.000 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00	0 0 0 0 0 100	730 40 49,390 0 2000 197,375 0 0 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,909 123,060 233,060 103,060 185,560 104,040 10,440 11,440 32,420	0 0 0 0 0 0 12	730 40 49,390 0 200 23,685 0 0 0 0 0 0 0	86,410 442,480 60,000 1,289,080 270,120 140,170 289,308 384,186 932,240 108,060 742,240 103,060 52,620 20,836 41,766 57,200	87,144 442,521 60,000 1,338,470 270,120 140,370 313,000 384,184 932,244 108,066 742,246 103,066 52,622 20,888 41,766 57,200 162,100 31,311	3,383,799
\$-87-8q-5 \$-87-8q-11 \$-87-8q-3 \$-87-8q-3 \$-87-8q-3 \$-87-8q-9 \$-811-8q-10 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Waster Stop Valve Buth Tub (Waterbank) Kitchert table (Reinforcement Concrete)  TRECAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Oouble) Outlet Socket Switch Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 4.00 5.00 5.00	0 0 0 0 0 100	730 40 49,390 0 200 197,375 0 0 0 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 133,060 108,060 108,060 10,440 10,440 11,440 32,420	0 0 0 0 0 0 12	730 40 49,390 0 200 23,685 0 0 0 0 0 0 0	86,410 42,480 60,000 1,289,030 270,120 140,170 289,308 384,136 932,246 108,060 742,244 103,060 52,620 20,836 41,760 57,200	87,144 442,521 60,000 1,338,470 270,120 140,370 313,000 384,184 932,244 108,066 742,246 103,066 52,622 20,888 41,766 57,200 162,100 31,311	3,383,799
\$-87-8q-5 \$-87-8q-11 \$-87-8q-3 \$-87-8q-3 \$-87-8q-9 \$-87-8q-10 \$-811-8q-1 \$-811-8q-1 \$-811-8q-5 \$-811-8q-5 \$-811-8q-5 \$-811-8q-9 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Dvain Septic tank Water Stop Vaive Buth Tub (Watertank) Kitchen table (Reinforcement Concrete)  TRICAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Single) Lighting Switch (Single) Outlet Socket Switch Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 1.00 1.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 4.00 1.00 4.00 5.00 5.00 5.00 5.00 1.00	0 0 0 0 100 0 0 0 0 0	730 40 49,390 0 2000 197,375 0 0 0 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 133,060 103,060 103,060 10,440 11,440 32,420 31,310 108,000	000000000000000000000000000000000000000	730 40 49,390 0 200 23,685 0 0 0 0 0 0 0 0	86,410 442,480 60,000 1,289,030 270,120 140,170 289,308 384,136 932,246 103,066 52,620 20,836 41,766 57,200 162,101 103,000	87,144 442,521 60,000 1,338,470 270,132 140,377 313,000 Sub Total 384,186 932,244 108,006 742,246 103,066 742,246 103,066 742,268 41,766 57,200 162,100 31,311 103,000 Sub Total	3,383,799
\$-87-8q-5 \$-87-8q-11 \$-87-8q-3 \$-87-8q-3 \$-87-8q-3 \$-87-8q-9 \$-811-8q-10 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1 \$-811-8q-1	Waste Water Installation (PVC Pipes D= 110 mm) Closet Washbak Floor Drain Septic tank Waster Stop Valve Buth Tub (Waterbank) Kitchert table (Reinforcement Concrete)  TRECAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Oouble) Outlet Socket Switch Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	1.00 1.00 1.00 1.00 4.00 1.00 0.12 3.00 4.00 1.00 4.00 1.00 2.00 4.00 5.00 5.00	0 0 0 0 0 0 100 0 0 0 0 0 0	730 40 49,390 0 2200 197,375 0 0 0 0 0 0 0	86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,909 128,060 135,560 103,060 104,061 10,440 11,440 32,420 31,310 108,000	0 0 0 0 0 0 12	730 40 49,390 6 200 23,685	86,4101 442,480 60,000 1,289,030 270,120 289,308 384,136 932,240 108,066 742,244 103,066 52,622 20,836 41,766 31,310 108,000	87,144 442,522 60,000 1,338,470 270,132 140,377 313,000 Sub Total  384,188 932,244 103,066 742,244 103,066 52,626 20,888 41,766 57,200 162,100 31,311 1003,000 Sub Total	3,383,799

### Table 4.2.7 (8/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	Itoms	Unit	Quantity		Unit Cost			Cost		7	'cial
			,	PP/C	IF/C	1/0	PF/C	IF/C	L/C	L:	
\$-B9-Bq-6	Steel Protection Painting	74	157.08	0	80	7,690	0)	12,566	1,207,945	1,220,512	
S-B9-Bq-3	Ceiling Painting	m2	81.30	0	1,440	8,660	oj.	117,072	704,058		
			I .		-		ı			Sub Total	4,023,292
XY, FURNIT	IRE .		1 1				l				
S-B12-Bq-6	Dining Table	unit	1.00	0	0	658,333	o l	0	658,333	658,333	
S-B12-Bq-16	Double Bed Set	unit	1.00	0	0	1,000,000	oj	o	1,000,000	1,000,000	
S-B12-Bq-8	Portable Stove	unit	1.00	0	0	500,000	ol	ol	500,000		
S-B12-Bq-9	Kitchen Set	ursit	1,00	0	0	1,000,000		0	1,000,000	1,000,000	
S-B12-Bq-10	Sofa	urrit	2.00	0	0	833,333	0	o	1,666,667		,
i i			1				1			Sub Total	4,825,000
ł		i .	1 1					- 1			
							j.	l		Total Cost	103,010,021

### Table 4.2.7 (9/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	licen	Unit	Quantity	PFAC	Unit Cost	Tić	ne ki	Cost	10	. 1	'otal
<u> </u>				2.630		L/C	PF/C	IF/C	I/C		<del></del>
	ON, FILLING, AND GRADING WORK		·								
\$-B1-Bq-1	Earth Cut, 1 m depth	т3	51.30	0	0	16,000	0	0	820,800	820,800	
S-B1-Bq-2 S-B1-Bq-3	Barth Fill (Old) Earth Fill (New)	д) m3	23.19 27.30	0 502	0	7,700	12.000	0	178,563	178,563	
S-B1-Bq-4	Send Fill	Can Can	5,46	0	495 1,620	17,061 41,800	13,706	13,526 8,845	465,767 228,228	492,999	
S-B1-Bq-5	Send Fill Under Foundation	mJ	5.20	ő	1,620	41,800	n	8,424	217,360	237,073 225,784	٠,
			· · · · · ·	ľ	1,020	11,000		0,424	217,300	Sub Total	1,955,219
IL FOUNDATI	ION WORK										
S-B2-Bq-1	Dry Stone Masonry	m3	10.23	0	2,900	96,000	0	29,667	982,080	1,011,747	
S-B2-Bq-3	Stone Masonry 1:3:10	m3	20,46	0	9,800	166,600	0	200,508	3,408,636	3,609,144	
S-82-Bq-2	Brick block 1:3:10	rn3	1.40	. 0	6,960	326,310	0	9,744	456,834	466,578	
										Sub Total	5,087,469
	CEMENT CONCRETE WORK		4								
\$-84-8q-1 \$-84-8q-7	Concrete K-225 Steel Bar Dia, 12 mm	ine3	4.56 894.23	0	43,680	184,460	0		841,138	1,040,318	, i
S-B4-Bq-8	Steel Bar Deformed Dia. 16 mm	Kg	8379.23	0	1,203	9,128	0	1,075,759	8,162,531	9,238,290	
S-84-Bq-2	Light Concrete (Concrete 1:3:5)	Kg m3	3.82	ő	1,286 30,410	9,320 422,790	. 0	116,166	1,615,058	1,731,224	
	(3,000)		J. V.	. "	30,410	466,750	v	110,100	1,015,050	Sub Total	12,009,833
IV. ROOFING	WORK									332.1992	12,00,000
S-B5-Bq-6	Steel Trus	Kg	618.60	6,310	0	5,699	3,903,366	0	3,525,401	7,428,767	
S-B5-Bq-7	Steel Purlin	K <sub>8</sub>	418.73	6,310	0	5,699	2,642,186	0	2,386,342	5,028,529	
S-B5-B-5	Timber Raften and Timber Batten	m.2	148.50	0	420	25,890	0	62,370	3,844,665	3,907,035	
S-B5-Bq-11	Gutter Timber Batten	m2	22.80		600	41,310	. 0	13,680	941,868	955,548	
S-B5-Bo-12	Facing Timber Betten 30 x 300 mm	rs2	12.60	0	240	83,060	. 0	3,024	1,046,556	1,049,580	
S-B5-Bq-13	Plywood Roof Cover	m2	148.50		2,090	28,020	0		4,160,970	4,471,335	
S-B5-Bq-9 S-B5-Bq-10	Asphalt Sheet Roof Cover Colour Bond Metal Sheet (Gutter)	m2	148.50 13.00	0	1,050	15,160	0		2,251,260	2,407,185	
S-B5-Bq-10	Cerumic Roof Tile	m2 m2	148.50		18,600 12,150	56,130 40,350	0		729,690 5,991,975	971,490	
S-B5-Bq-4	Ceramic Ridge Tile	1012 1012	50.00	0	8,790	46,890	0	1,804,275 439,500	2,344,500	7,796,250 2,784,000	
1				'	0,170	₩,070	, ,	- U.C.	-J-1,700	Sub Total	36,799,719
	E BLOCK WORK AND BRICKWORK										************
S-B3-Bq-2	Briokwall/brickwork 1:3 1/2 brick thick	<b>243</b>	2.66	0	16,610	368,140	0	44,183	979,252	1,023,435	
\$-B3-Bq-1	Brickwall/brickwork 1:3:10 1/2 brick thick	<b>24.</b> 3	15.23	0	6,960	336,310	0	106,001	5,122,001	5,228,002	
	work									Sub Total	6,251,437
VL PLASTER											
S-B3-Bq-4 S-B3-Bq-3	Morter plastering 15 mm of thickness, 1:3 Morter plastering 15 mm of thickness, 1:3:10	m.2 m2	47.16 253.79		900 400	9,100 7,200	0		429,156	471,600	
S-B3-Bq-5	Mortar plastering 15 mm of thickness, 1:2	m2	16.17		1,200	10,000	, o		1,327,288	1,928,804	
S-B6-Bq-8	Terracota	m2 m2	25.40		9,660	36,550	ŏ		161,700 928,370		
				ı °	,,,,,,	مدديد		242,354	240,310	Sub Total	3,755,242
VIL DOORS A	IND WINDOW WORKS							. 1			
S-B8-Bq-4	Aluminium swakening	a	52.85	0	7,950	67,320	. 0	420,158	3,557,862	3,978,020	
S-B8-Bq-24	Teakwood Panel	m2	8.21	0	300	455,700	. 0	2,463	3,741,297	3,743,760	
S-B8-Bo-6	Aluminium Door Frame	Or I	19.50		6,330	63,540	0		1,239,030	1,362,465	
S-B8-Bq-7	Aluminium Sliding-Window Franc		12.20		6,330	42,860	0		522,892	600,118	
S-B8-Bq-8	Door Keys for Aluminium Door	pieces	3.00		15,600	48,570	0		145,710	192,510	
S-B1-B0-9	Espagnolette	pieces		0	10,920	37,650	0		0	0	*
S-B#-Bq-10	Door Hings (125 mm)	pieces	9.00		1,320	15,950	0		143,550	155,430	
S-B8-B0-11	Windows Hings (75 mm)	pieces	1.00		1,320	15,950	0	-,	15,950		
S-B8-Bq-12 S-B8-Bq-13	Al-Louvre Door Stopper	nt2 pieces		. 0	10,200 12,480	150,040 41,290	0	. 0	0	u u	
5505413	Doct supple	ржика		ľ	12,400	41,450		. "	ĺ	Sub Total	10,049,573
VIII. GLAZIN	G WORK			<b>i</b>						330 14.5	
S-B9-Bq-8	Float Gines H. = 5 mm, (Natural Colour)	m2.	8.69	0	14,900	36,850	0	129,481	320,227	449,708	
L								į		Sub Total	449,704
IX. INTERIOR		2							1		
S-B10-Bq-1	Fiber Content Ceiling, 1200 x 1200 mm x 6 mm + Ceiling Fram	m2	81.30		2,220	85,170	0		6,924,321	7,104,807	1
S-B10-Bq-2 S-B10-Bq-3	Wood Cornice		131.10		30	4,810	. 0	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	630,591	634,524	
S-B10-Bq-4	Stainless Steel Hand Rail Stainless Steel Railing	70	ŀ	144,220	Ų	37,413	0		0	U	<u> </u>
SPICE	Standest Steet Rating	m		361,152	ď	93,711	0	"	U	Sub Total	7,739,331
X. TILE WOR	uk						*.			330.10	:37.72.72
S-B6-Bq-3	Cerumic Floor Tile, 300 x300 mm	m2	42.75		9,660	36,550			1,562,513		
S-B6-Bq-4	Cerumie Floor Tile, 300 x300 mm, (Norsalip Texture)	m2	15.00	. 0	9,660	36,550	. 0	144,900	548,250	693,150	ļ
S-B6-Bq-1	Ceramic Floor Tile, 200 x 200 mm	m2	15.30		9,660	36,550					
S-B6-Bq-2	Ceramic Floor Tile, 200 x 200 mm (Nonship Texture)	m2	1.54		9,660	36,550			56,287		1
S-B9-Bq-7	Float Glass H = 100 mm, Rayband (For Wall base)	т.	43,70	0	2,950	8,280	.0	128,915	361,836		
XIL SANITAD	R WORK	'	l .	1						Sub Total	3,937,555
S-B7-Bq-1	Water Supply Installation (PVC Pipes D= 19.05 mm)		2.50	۱ ،	0	36,700	٥	0	91,750	91,750	
S-B7-Bq-2	Waste Water Installation (PVC Pipes D= 110 mm)	- E	11.00		2,750		· ŏ		610,170		1
S-B7-B-5	Closet	picces	1.00		730						
S-B7-B0-6	Washhak	pieces	1.00		40		ة ا		442,480		
S-B7-Bq-11	Floor Drain	pieces	1.00		. 0	60,000			60,000	60,000	
S-B7-Bq-3	Septic tank	umit	1.00		49,390		. 0		1,289,080		
S-B7-Bq-8	Water Stop Valve	pieces	4,00			67,530	0		270,120		
S-B7-Bq-9	Beth Tub (Watertank)	pieces	1.00								
S-B7-Bq-10	Kitchen table (Reinforozzent Concrete)	ma3	0.12	. 100	197,375	2,410,900	12	23,685	289,308		3,383,793
XIII. ELECTS	SICAL WORK			1	'	1		1	} .	Sub Total	3,363,79
S-B11-Bq-1	Installation and Lighting 40W-1 FL	pioccs	3.00	0	. 0	128,060	0	0	384,180	384,190	1
	Installation and Lighting 40W-2 FL	pieces	4.00		Ö	233,060	ŏ				
S-B11-Bq-2	Installation and Lighting 20W-1 FL	pieces	1.00	0	0	108,060	0	. 0	108,060		
S-B11-Bq-3		pieces	4,00			,					
S-B11-Bq-3 S-B11-Bq-4	Installation and Lighting 15W-2 FL		1.00								
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5	Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL	pieces		1 0							
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5 S-B11-Bq-7	Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse	pieces	2.00						20.000		
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5 S-B11-Bq-7 S-B11-Bq-8	Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single)	pieces pieces	2.00	. 0							
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5 S-B11-Bq-7 S-B11-Bq-8 S-B11-Bq-9	Installation and Lighting 15W-2 FL firstallation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double)	pieces pieces pieces	2.00 4.00	0		10,440	0	. 0	41,760	41,760	-
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5 S-B11-Bq-7 S-B11-Bq-8 S-B11-Bq-9 S-B11-Bq-10	Installation and Lighting 15W-2 FL firstallation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch	pieces pieces pieces pieces	2.00 4.00 5.00	0 0 0		10,440 11,440	0	0	41,760 57,200	41,760 57,200	
\$-811-Bq-3 \$-811-Bq-4 \$-811-Bq-5 \$-811-Bq-7 \$-811-Bq-8 \$-811-Bq-9 \$-811-Bq-10 \$-811-Bq-11	Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch Outlet Socket Installation	pieces pieces pieces pieces pieces	2.00 4.00 5.00 5.00	0 0 0	0 0 0	10,440 11,440 32,420	0	0	41,760 57,200 162,100	41,760 57,200 162,100	
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5 S-B11-Bq-7 S-B11-Bq-8 S-B11-Bq-10 S-B11-Bq-10 S-B11-Bq-11 S-B11-Bq-14	Installation and Lighting 15W-2 FL firstallation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch Outlet Socket firstallation Fuse Box	pieces pieces pieces pieces pieces pieces	2.00 4.00 5.00 5.00 1.00	0 0 0	0 0 0	10,440 11,440 32,420 31,310	0 0 0	0	41,760 57,200 162,100 31,310	41,760 57,200 162,100 31,310	
\$-811-Bq-3 \$-811-Bq-4 \$-811-Bq-5 \$-811-Bq-7 \$-811-Bq-8 \$-811-Bq-9 \$-811-Bq-10 \$-811-Bq-11	Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch Outlet Socket Installation	pieces pieces pieces pieces pieces	2.00 4.00 5.00 5.00	0 0 0	0 0 0	10,440 11,440 32,420	0 0 0	0	41,760 57,200 162,100	41,760 57,200 162,100 31,310 108,000	
S-B11-Bq-3 S-B11-Bq-5 S-B11-Bq-7 S-B11-Bq-8 S-B11-Bq-10 S-B11-Bq-11 S-B11-Bq-14 S-B11-Bq-18	Installation and Lighting 15W-2 FL finatallation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA NG WORK	pieces pieces pieces pieces pieces pieces	2.00 4.00 5.00 5.00 1.00	0 0 0	0 0 0	10,440 11,440 32,420 31,310	0 0 0	0	41,760 57,200 162,100 31,310	41,760 57,200 162,100 31,310	
\$-811-8q-3 \$-811-8q-4 \$-811-8q-7 \$-811-8q-7 \$-811-8q-7 \$-811-8q-18 \$-811-8q-10 \$-811-8q-14 \$-811-8q-14 \$-811-8q-18 \$-811-8q-18	Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch Outlet Socket Installation Fuse Box New installation from PLN for 450 VA  WC WORK  Wall Painting	pieces pieces pieces pieces pieces pieces pieces pieces	2.00 4.00 5.00 5.00 1.00 1.00	0 0 0 0	0 0 0 0 0	10,440 11,440 32,420 31,310 108,000	0 0 0 0 0	0 0 0 0 0	41,766 57,200 162,100 31,310 108,000	41,760 57,200 162,100 31,310 108,000 Sub Fotal 813,000	2,743,65
S-B11-Bq-3 S-B11-Bq-4 S-B11-Bq-5 S-B11-Bq-7 S-B11-Bq-9 S-B11-Bq-10 S-B11-Bq-11 S-B11-Bq-14 S-B11-Bq-18	Installation and Lighting 15W-2 FL finatallation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA NG WORK	pieces pieces pieces pieces pieces pieces pieces	2.00 4.00 5.00 5.00 1.00	0 0 0 0 0	0 0 0 0	10,440 11,440 32,420 31,310 108,000 8,570 14,800	0 0 0 0 0	0 0 0 0 0 116,259 172,200	41,766 57,200 162,100 31,310 168,000 696,741 621,600	41,760 57,200 162,100 31,310 108,000 Sub Fotal 813,000 793,800	2,743,65

### Table 4.2.7 (10/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	[tem	Unit	Outstity		Unit Cost			Cost		т	otal
127 (40.	fresh	Cour	Committy	PF/C	IF/C	L/C	PF/C	IF/C	LC		
S-89-Bq-6	Steel Protection Painting	DA	157.08	0	80	7,690	0	12,566	1,207,945	1,220,512	
S-B9-Bq-3	Ceiling Painting	m2	81.30	0	1,440	8,660	0	117,072	704,658	821,130	
,, .								ŀ		Sub Total	4,023,297
XY. FURNIT	URIE				l i		! <b>i</b>	1		1. 1	
3-B12-Bq-6	Dining Table	tmit	1.00	0	0	658,333	0	. 0	658,333		
S-B12-Bo-16	Double Bed Set	unit	1.00	l o	0	1,000,000	0	0	1,000,000		
S-B12-Bq-8	Portable Stove	unit	1,00	1 0	. 0	500,000	0	0	500,000	500,000	
S-B12-Bq-9	Kitchen Set	unit	1.00	0	0	1,000,000	0	. 0	1,000,000	1,000,000	
S-B12-Bq-10	Sofa	umit	2.00	0	0	833,333	0	0	1,666,667	1,666,667	
,,					<b>!</b>					Sub Total	4,825,000
			1	i					*		
					!					Total Cost	103,010,62

### Table 4.2.7 (11/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

10	No.	[tem	Unit	Quentity	PF/C	Unit Cost IF/C	L/C	PF/C	Cost IF/C	LC	1	'otal
L EXC	AYATE	ON, FILLING, AND GRADING WORK										
S-B1-B	3q-l	Earth Cut, 1 m depth	m3	51.30	0	0	16,000	0	0	820,800	820,800	
S-D1-B		Sent Fill (Old)	ra3	23.19	0	0	7,700	0	0	178,563	178,563	-
3-B1-B		Earth Fill (New)	m3	27.30	502	495	17,061	13,706	13,526	465,767	492,999	
S-B1-B S-B1-B		Sand Fill Sand Fill Under Foundation	m3	5.46	0	1,620	41,800	0	8,845	228,228	1	
3-131-13	xq-3	Sand Fill Under Foundation	m)	5.20	0	1,620	41,800	0	8,424	217,360	225,784	1.055.01
		KON WORK									Sub Total	1,955,21
S-B2-B		Dry Stone Masonry	டி	10.23	. 0	2,900	96,000	0	29,667	982,080	1,011,747	
3-B2-B		Stone Mesonsy 1:3:10	m3	20.46	0	9,300	166,600	0	200,508	3,408,636		
S-B2-B	<b>3</b> Q-2	Brick block 1:3:10	m3	1.40	0	6,960	326,310	0	9,744	456,834		
UL RE	INFOR	CEMENT CONCRETE WORK		1							Sub Total	5,087,46
S-B4-B		Concrete K-225	m3	4.56	0	43,680	184,460	0	199,181	841,138	1,040,318	
S-B4-B		Steel Bar Dia. 12 nun	Kg	894.23	6	1,203	9.128	ő	1,075,759	8,162,531		
S-B4-B		Steel Bar Deformed Dia, 16 mm	Kg	l i	0	1,286	9,320	0	0	0	0	
S-B4-B	3q-2	Light Concrete (Concrete 1:3:5)	m3	3.82	0	30,410	422,790	0	116,166	1,615,058		
IV RO	MOFING	WORK					ļ				Sub Total	12,009,83
S-B5-B		Steel Truss	Kg	618.60	6,310	0	5,699	3,903,366	0:	2 525 (01	7 120 742	
\$-85-B		Steel Purlin	Kg	418.73	6,310	ő	5,699	2,642,186	. 0	3,525,401 2,386,342	7,428,767 5,028,529	
S-85-B		Timber Raften and Timber Button	m2	148.50	0	420	25,890	0	62,370	3,844,665		
S-B5-B		Gutter Timber Batten	m2	22.80	0	600	41,310	0	13,680	941.868		
S-B5-B		Facing Timber Batten 30 x 300 mm	m2	12.60	0	240	83,060	0	3,024	1,046,556	1,049,580	
S-B5-B S-B5-B		Plywood Roof Cover Asphalt Sheet Roof Cover	m2 -2	148.50	0	2,090	28,020	0	310,365	4,160,970		
S-B5-B		Colour Bond Metal Sheet (Gutter)	m2 m2	148,50 13.00	0	1,050	15,160	0	155,925	2,251,260	2,407,185	
S-BS-B		Ceramic Roof Tile	1012 1012	148.50	. 0	18,600 12,150	56 130 40,350	0	241,800 1,804,275	729,690 \$ <i>9</i> 91,975		
S-BS-B		Ceramic Ridge Tile		50.00	ő	8,790	46,890	o	439,500	2,344,500		
1					Ĭ	-,		ď	25,00		Sub Total	36,799,71
V. CON	NCRET	E BLOCK WORK AND BRICKWORK		1 · [								
S-B3-B S-B3-B		Brickwall/brickwork 1:3 1/2 brick thick Brickwall/brickwork 1:3:10 1/2 brick thick	m3	2.66	0	16,610	368,140	0	44,183	979,252		
12020	~F1	PARAMERICAN SERVICE 1.3510 1/2 ORGE TRUE	m3	15.23	0	6,960	336,310	9	106,001	5,122,601	5,228,002	
YL PL	ASTER	WORK						·			Sub Total	6,251,43
S-B3-B	39-4	Morter plantering 15 mm of thickness, 1:3	m2	47.16	o	900	9,100	. 0	42,444	429,156	471,600	•
S-B3-B		Morter plastering 15 mm of thickness, 1:3:10	m2	253.79	0	400	7,200	o	101,516		1,928,804	
S-B3-B		Morter plastering 15 mm of thickness, 1:2	m2	16.17	0	1,200	10,000	0	19,404	161,700		
\$-86-B	3q-8	Terricota	m2	25.40	. 0	9,660	36,550	o	245,364	928,370		
VD. DO	OORS A	ND WINDOW WORKS									Sub Total	3,755,24
S-B8-B	3q-4	Ahminian swakening	m	52.85	0	7,950	67,320	. 0	420,158	3,557,862	3,978,020	
S-B8-B		Teakwood Panel	m2	8.21	. 0	300	455,700	. 0	2,463	3,741,297	3,743,760	
S-B\$-B		Aluminium Door Frame	m	19.50	0	6,330	63,540	ŏ	123,435	1,239,030		
S-B&-B		Aluminium Sliding-Window Frame	124	12.20	0	6,330	42.860	0	77,226	522,892	600,118	
S-B8-P		Door Keys for Aluminium Door	pieces	3.00	0	15,600	48,570	. 0	46,800	145,710	192,510	
S-B8-B S-B8-B		Espagnolette Door Hings (125 mm)	pioces		0	10,920	37,650	0	0	. 0	' 0	
S-B8-B		Windows Hings (75 mm)	pieces	9.00 1.00	0	1,320	15,950	0	11,880			
S-B&-B		Al-Louvre	pieces m2	1.00	0	1,320 10,200	15,950 150,040	. 0	1,320	15,950	[7,270	
S-B#-B		Door Stopper	picces		ő	12,480	41,290	ol	. 0	ň	) i	
:			·					-[	Ĭ	,	Sub Total	10,049,57,
		G WORK										
S-B9-B	×Q-5	Float Giass H = 5 mm, (Natural Colour)	m2	8.69	0	14,900	36,850	. 0	129,481	320,727		
IX, INT	TERIOR	FINISHING		1 .							Sub Total	449,70
S-1910-1		Fiber Coment Ceiling, 1200 x 1200 mm x 6 mm + Ceiling Fram	m2	81.30	0	2,220	85,170	o	180,486	6,924,321	7,104,807	
S-B10-1		Wood Comice	•	131.10	0	30	4,810	o	3,933	630,591	634,524	
\$-810-8		Stainless Steel Hand Rail	æ		144,220	0	37,413	0	0	. 0	0	
S-BIC-I	150-4	Stainless Steel Railing			361,152	0	93,711	0	0	. 0	0	*
k mu	EWOR	r r				. }	1	ì			Sub Total	7,739,33
S-86-B		Ceremic Floor Tile, 300 x300 mm	m2	42.75	. 0	9,660	36,550	0	412,965	1,562,513	1,975,478	
S-B6-B	lq-4	Ceranic Floor Tile, 300 x300 mm, (Norslip Terrore)	m2	15.00	0	9,660	36,550	. 0	144,900	548,250		
S-B6-B		Ceremic Floor Tile, 200 x 200 mm	m2	15.30	o	9,660	36,550	o	147,798	559,215		
S-B6-B		Corumic Floor Tile, 200 x 200 mm (Nonslip Texture)	m2	1,54	. 0	9,660	36,550	0	14,876	56,287	71,163	
S-89 B	사/	Float Glass H = 100 mm, Rayband (For Wall base)	41	43.70	0	2,950	8,280	0	128,915	361,836		
XII. SA	NITAI	RWORK		!				ļ			Sub Total	3,937,555
S-B7-B	}q-1	Water Supply Installation (PVC Pipes D= 19.05 mm)	m	2.50	0	0	36,700	. 0	0	91,750	91,750	
S-B7-B		Waste Water Installation (PVC Pipes D= 110 mm)		11.00	0	2,750	55,470	ő	30,250	610,170		
8-B7-B		Closet	paces	1.00	0	730	86,410	. 0	730	86,410	87,140	
S-B7-B S-B7-B		Washbak Floor Drain	pieces	1.00	0	40	442,480	0	40	442,480		-
		Floor Entire Septic tank	preces unit	1.00 1.00	0	40.700	60,000 1,2 <b>8</b> 9,080	0	49.200	60,000		
Ş-Ы /-H-			pieces	4.00	0	49,390	67,530	0	49,390	1,289,080 270,120		
S-B7-B S-B7-B	kq-8 ∣	Water Stop Valve			ŏ	200	140,170	o	200	140,170		
S-87-B S-87-B	Ja-9	Bath Tub (Watortenk)	pieces	1.00		197,375				289,308	313,005	
S-87-B	Ja-9			. 0.12	100	1517117	2,410,900	· 12	23,685			
S-87-B- S-87-B- S-87-B-	3q-9 3q-10	Bath Tub (Watertenk) Kitchen table (Reinforcament Concrete)	picces		100	192,515	2,410,500	12	23,063		Sub Total	3,383,79
S-87-B- S-87-B- S-87-B- XIIL E	kq-9 kq-10 LECTR	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  KAL-WORK	picces m3	0.12			1.					3,383,79
S-87-B S-87-B S-87-B XIII E S-811-I	80-9 80-10 LECTR Bq-1	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  [CAL WORK] Installation and Lighting 40W-1 FL	pieces m3	0.12 3.00	0	0	128,060	. 0	0	384,180	384,180	3,383,79
S-87-B- S-87-B- S-87-B- XIII - F: S-811-1 S-811-1	3q-9 3q-10 **LECTR **Bq-1 **Bq-2 **Bq-3	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  KAL-WORK	picces m3	0.12			128,060 233,060	0	0	384,180 932,240	384,180 932,240	3,383,79
S-87-B- S-87-B- S-811-I S-811-I S-811-I S-811-I	5q-9 5q-10 5.ECTR Bq-1 Bq-2 Bq-3 Bq-4	Bath Tub (Watertank) Kitchen table (Reinforcament Concrete)  ICAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL	m3 pieces pieces	0.12 3.00 4.00	0	0.	128,060	. 0	0	384,180 932,240	384,180 932,240 108,060	3,383,79
S-87-B- S-87-B- S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	5q-9 5q-10 Bq-1 Bq-2 Bq-3 Bq-4 Bq-5	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  ICAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL	pieces m3 pieces pieces pieces pieces pieces	3.00 4.00 1.00 4.00 1.00	0 0 0 0	0 0 0 0	128,060 233,060 108,060 185,560 103,060	0 0 0 0	0 0 0 0	384,180 932,240 108,060	384,180 932,240 108,060 742,240	3,383,79
S-87-B- S-87-B- S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	5q-9 5q-10 Bq-1 Bq-2 Bq-3 Bq-4 Bq-5 Bq-7	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  KCAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse	pieces pieces pieces pieces pieces pieces pieces	0.12 3.00 4.00 1.00 4.00 1.00 2.00	0 0 0 0	0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310	0 0 0 0	0 0 0 0 0	384,180 932,240 108,060 742,240 103,060	384,180 932,240 108,060 742,240 103,060 52,620	3,383,79
S-87-B S-87-B S-87-B S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	5q-9 5q-10 Bq-1 Bq-2 Bq-3 Bq-4 Bq-5 Bq-7 Bq-8	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  ICAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single)	pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 4.00 1.00 4.00 1.00 2.00 2.00	0 0 0 0 0	0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440	0 0 0 0 0	0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 52,620 20,880	384,180 932,240 108,060 742,240 103,060 52,620 20,880	3,383,79
S-87-B S-87-B S-87-B S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	19-9 19-10 1-ECTR Beq-1 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3 Beq-3	Bath Tub (Watertank)  Kitchen table (Reinforcement Concrete)  KAL WORK  Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse  Lighting Switch (Single)  Lighting Switch (Double)	pieces m3 pieces pieces pieces pieces pieces pieces pieces pieces pieces	0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00	0 0 0 0 0 0 0	0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 10,440	0 0 0 0 0	0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760	3,383,79
S-87-B S-87-B S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I	19-9 19-10 15-CTR 18-1-1 18-1-2 18-1-3 18-1-	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  KAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00	0 0 0 0 0 0 0	0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 10,440 11,440	0 0 0 0 0	0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200	3,383,79
S-87-B S-87-B S-87-B S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	19-9 19-10 15-CTR 18-1-1 18-1-2 18-1-3 18-1-	Bath Tub (Watertank)  Kitchen table (Reinforcement Concrete)  KAL WORK  Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse  Lighting Switch (Single)  Lighting Switch (Double)	pieces m3  pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	0.12 3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00 5.00	0 0 0 0 0 0 0	0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 11,440 32,420	0 0 0 0 0 0	0 0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100	3,383,79
S-87-B S-87-B S-87-B S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I S-811-I	34-9 34-10 15-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  ICAL WORK Installation and Lighting 40W-1 FL Installation and Lighting 20W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Ouble) Outlet Socket Switch Outlet Socket Installation	pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00	0 0 0 0 0 0	0 0 0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 10,440 11,440	0 0 0 0 0	0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,310	3,383,79
S-87-B S-87-B S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	34-9 34-10 31.ECTR B6-1 B6-2 B6-3 B6-3 B6-4 B6-5 B6-7 B6-9 B6-4-1 B6-18 B6-18 B6-18	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  KCAL WORK  Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Lighting Switch (Single) Lighting Switch (Osuble) Outlet Socket Switch Outlet Socket Switch Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA	pieces m3 pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00 5.00 1.00	0 0 0 0 0 0	0 0 0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 11,440 32,420 31,310	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 32,620 20,880 41,760 57,200 162,100 31,310	384,180 932,240 108,060 742,240 103,060 52,620 20,880 41,760 57,200 162,100 31,310	
S-87-B S-87-B S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	14-9 14-10 15-5-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18 16-18	Bash Tub (Watertank) Kütchen table (Reinforcement Concrete)  KCAL WORK  Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Fuse Lighting Switch (Single) Lighting Switch (Double) Outlet Socket Switch Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA	pieces m3 pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 4.00 1.00 2.00 4.00 2.00 4.00 5.00 5.00 1.00	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 10,440 32,420 31,310 108,000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 32,620 20,880 41,760 152,100 31,310 108,000	384,180 932,240; 108,060; 742,240 103,060; 52,620; 41,760; 57,200; 162,100; 31,310; 108,000; Sub Total	
S-87-B S-87-B S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1 S-811-1	34-9 34-10 34-10 34-10 34-10 34-10 34-10 34-10 34-11 34-18	Bath Tub (Watertank) Kitchen table (Reinforcement Concrete)  KCAL WORK  Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Lighting Switch (Single) Lighting Switch (Osuble) Outlet Socket Switch Outlet Socket Switch Outlet Socket Installation Fuse Box New Installation from PLN for 450 VA	pieces m3 pieces pieces pieces pieces pieces pieces pieces pieces pieces pieces	3.00 4.00 1.00 4.00 1.00 2.00 2.00 4.00 5.00 5.00 1.00	0 0 0 0 0 0	0 0 0 0 0 0 0	128,060 233,060 108,060 185,560 103,060 26,310 10,440 11,440 32,420 31,310	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	384,180 932,240 108,060 742,240 103,060 32,620 20,880 41,760 57,200 162,100 31,310	384,180 932,240; 108,060; 742,240; 103,060; 52,620; 20,880; 41,760; 57,200; 162,100; 31,310; 108,000; Sub Total	3,383,79 2,743,65

### Table 4.2.7 (12/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

ID No.	ftem		Unit	Quantity		Unit Cost			Cost		J	otal
				40	PF/C	IF/C	LC	PF/C	fF/C	L/C	1	
S-B9-Bq-6	Steel Protection Painting	1.5	1xt	157.08	0	80	7,690	0	12,566	1,207,945	1,220,512	
S-B9-Bq-3	Ceiling Punting		m2	81.30	0	1,440	8,660	0	117,072	704,058	821,130	
	!		1 .			1	1				Sub Total	4,023,292
XV. FURNITI	JRE.		i ·		]	} '	1 '	, ,	1 :			
S-B12-Bq-6	Dining Table		umit	1.00	0	l o	658,333		. 0	658,333	658,333	i ·
S-B12-Bq-16	Double Bed Set	•	unit	1.00	0	0	1,000,000	0	0	1,000,000	1,000,000	1
S-B12-Bq-8	Portable Store		unit	1.00	0	of o	500,000	i ol	0	500,000	500,000	
S-B12-Bq-9	Kitchen Set		unit	1.00	0	0	1,000,000	0	0	1,000,000	1,000,000	i
S-B12-B4-10	Sola		unit	2.00	0	0	833,333	. 0	0	1,666,667	1,666,667	i
	1		i	1			1		1		Sub Total	4,825,000
	1		ł	ļ					i l			j
l	1		1	I	l	i	i '	1 !	í [		Total Cost	163,016,221

### Table 4.2.7 (13/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

### CONSTRUCTION COST OF MUSHOLA

L EXCAVATION, FILLING, AND GRADING WORK		Unit	Quantity	500	Unit Cort			Cost		ŗ	otel
				PF/C	I₹/C	L/C	₽F/C	IF/C	IÆ	<del></del> -	
S-B1-Bq-1 Earth Cut, 1 m depth		m3	64.43	. 0	٥	16,600	o	٥	1,030,880	1,030,880	
S-B1-Bq-2 Earth Fill (Old)		as3	28.05	Ö	ő	7,700	0	. 0	215,985	215,985	
S-B1-Bq-3 Earth Fill (New)		m3	22.70	502	495	17,061	11,397	11,247	387,287	409,930	
S-B1-Bq-4 Sand Fill		m3	8.10	0	1,620	41,800	0	13,122	338,580	351,702	
S-B1-Bq-5 Sand Fill Under Foundation		സ	6.68	. 0	1,620	41,800	0	10,822	279,224	290,046 Sub Total	2,298,542
IL FOUNDATION WORK						1				300 1000	2,270,342
S-B2-Bq-1 Dry Stone Masonry		m3	12.21	. 0	2,900	96,000	0	35,409	1,172,160	1,207,569	
S-B2-Bq-3 Stone Masonry 1:3:10		m3	34.32	0	9,800	166,600	0	336,336	5,717,712	6,054,048	
S-82-Bq-2 Brick block 1:3:10		Esn	2.09	0	6,960	326,310	. 0	14,546	681,988	696,534	
III. REINFORCEMENT CONCRETE WORK										Sub Total	7,958,151
S-B4-Bq-1 Concrete K-225		m3	7.72	0	43,680	184,460	0	337,210	1,424,031	1,761,241	
S-B4-Bq-7 Steel Bar Dia. 12 mm	1	Kg	1,554.06	ő	1,203	9,128	0	1,869,534	14,185,460	16,054,994	
S-B4-Bq-8 Steel Bar Deformed Dia. 16 mm		Kg		o	1,286	9,320	0	0	0	0	
S-B4-Bq-2 Light Concrete (Concrete 1:3:5)		m.3	5,67	0	30,410	422,790	. 0	172,425	2,397,219	2,569,644	
IV. ROOFING WORK					-	· 1		]		Sub Total	20,385,879
S-B5-Bq-6 Steel Truss		Kg	496.89	6,310		5,699	3,135,376		2,831,776	5,967,152	
S-B5-Bq-7 Steel Purlin		Kg	554.30	6,310	ŏ	5,699	3,497,633	ŏ	3,158,956	6,656,589	
S-BS-Bq-S Timber Ruften and Timber Batten		m2	172.80	0	420	25,890	0	72,576	4,473,792	4,546,368	
S-B5-Bq-11 Gutter Timber Batten		m2	12.24	0	600	41,310	0	7,344	505,634	512,978	
S-B5-Bq-12 Facing Timber Betten 30 x 300 mm		m2	14.40	0	240	83,060	0	3,456	1,196,064	1,199,520	
S-B5-Bq-13 Plywood Roof Cover S-B5-Bq-9 Asphalt Sheet Roof Cover		m2 m2	172.80 172.80	0	2,090 1,050	28,020 15,160	0	361,152 181,440	4,841,856 2,619,648	5,203,008 2,801,088	
S-B5-Bq-10   Colour Bond Metal Sheet (Gutter)		m2		. 0	18,600	56,130	ő	.51,740	a,012,040	- 401,000	
S-B5-Bq-3 Ceramic Roof Tite	·	sn2	172.80	0	12,150	40,350	0	2,099,520	6,972,480	9,072,000	* *
S-B5-Bq-4 Ceramic Ridge Tile		a	40.80	0	8,790	46,890	0	358,632	1,913,112		
A CONCEPTE BLOCK MOBEL THE RESOURCE.										Sub Total	38,230,447
V. CONCRETE BLOCK WORK AND BRICKWORK S-B3-B9-2 Brickwall/trickwork 1:3 1/2 trick thick		т3	5.52	0	16,610	368,140	0	91,687	2.032.133	2,123,820	
S-B3-Bq-1 Brickwall/brickwork 1:3:10 1/2 brick thick		m.)	18.35	. 0	6,960	336,310	0		6,171,289	6,299,005	
1	- 1				",""				-,,	Sub Total	8,422,825
YL PLASTER WORK											
S-B3-Bq-4 Morter pleatering 15 mm of thickness, 1:3		1942	61.32	0	900	9,100	. 0		558,012		
S-B3-Bq-3 Morter plastering 15 mm of thickness, 1:3:10 S-B3-Bq-5 Morter plastering 15 mm of thickness, 1:2		±2 ±12	305,90 84,54	0	400	7,200 10,000	0		2,202,480 845,400	2,324,840 946,848	
S-B6-Bq-8 Terrecota		m2	46.76	ő	1,200 9,660	36,550	. 0		1,709,078		
				Ĭ	2,000	34,30	·	,,,,,,,	1,702,014	Sub Total	6,045,668
YIL DOORS AND WINDOW WORKS		.*						i i			
S-B8-Bq-4 Aluminium awakening		•	87.90	0	7,950	67,320	. 0		5,917,428	6,616,233	
S-B8-Bq-5 Aluminium Rolling Door S-B8-Bq-6 Aluminium Door Frame		ns2		. 0	26,780	90,570	0		200	0	
S-B8-Bq-7 Aluminium Sliding-Window Frame		ED .	11.80	0		63,540 42,860	0		149,772	824,466	
S-B8-Bq-8 Door Keys for Aluminian Door		pieces	2.00	0	15,600	48,570	. 0		97,140	128,340	
S-B8-Bq-9 Espagnolette		pieces	2.00	0		37,650	o		75,300		
S-B8-Bq-10 Door Hings (125 mm)		picocs	12.00	0	1,320	15,950	. 0	15,840	191,400		· ·
S-B2-Bq-11 Windows Hings (75 mm)		Dicocs		0		15,950	0		0	0	
S-B8-Bq-12 Al-Louvre S-B8-Bq-13 Door Stopper		m2.	2.04 4.00	0	10,200	150,040	. 0		306,082 165,160		1
Journal of the state of the sta		pieces	4.00	ľ	12,480	41,290	. •	49.920	100,100	Sub Total	8,415,389
VIII. GLAZING WORK										<del></del>	
S-B9-Bq-8 Float Glass H * 5 mm. (Natural Colour)		m2	10.01	. 0	14,900	36,850	0	149,149	368,869		
N D										Sub Total	518,011
S-B10-Bq-1 Fiber Cement Ceiling, 1200 x 1200 mm x 6 mm +	Calling Form	m2	104.40	٥	2,220	85,170	٥	231,768	8,891,748	9,123,516	
S-B10-Bq-2 Wood Cornice	Cennik Loun.		168.00	0	30	4,810	. 0		808,080		
S-B10-Bq-3 Stainless Steel Hand Rail			100.00	144,220		37,413	. 0		0	0,5,120	
S-B10-Bq-4 Stainless Steel Railing		· ma		361,152		93,711	0		. 0	0	
										Sub Total	9,936,636
X. TILE WORK			70.00	١,	0.50	36.550	١	(62.000	2 502 210	2 221 668	ļ
S-B6-Bq-3 Cerumic Floor Tile, 300 x300 mm S-B6-Bq-4 Cerumic Floor Tile, 300 x300 mm, (Nonship Text	er)	1812 1812	70.80 10,40			36,550 36,550	0		2,587,740 380,120		· .
for each of the same of the sa	,	m2 m2	49.59			05رچهر 36رکهر	0	479,039	1,812,515		
S-B6-Bq-1 Ceramic Floor Tile, 200 x 200 mm		m2	15.10			36,550	0	145,866	551,905		1
S-B6-Bq-2 Committee Floor Tile, 200 x 200 mm (Nonslip Text		m	19.50		2,950	8,280	0		161,460	218,985	
			i .						1 .		
S-B6-Bq-2 Cerumic Floor Tile, 200 x 200 mm (Nonship Text S-B9-Bq-7 Floor Glass H = 100 mm, Rayband (For Wall bea			į i	l			!			Sub Total	6,960,562
S-B6-Bq-2 Cerumic Floor Tile, 200 x 200 mm (Nonslip Text S-B9-Bq-7 Floor Glass H = 100 mm, Rayband (For Wall bea	<b>201</b> )		5600	,	n	36 700	n	0	2.055.200		
S-B6-Bq-2 Cerutic Floor Tile, 200 x 200 mm (Nonslip Text S-B9-Bq-7 Floot Glass H = 100 mm, Rayband (For Wall bea		110 110	56.00 12.00		0 2,750	36,700 55,470	0		2,055,200 665,640	2,055,200	
S-B6-Bq-2 Cerumic Floor Tile, 200 x 200 mm (Nonelip Text S-B9-Bq-7 Floor Glass H = 100 mm, Rayband (For Wall bea XI. SANITAIR WORK S-B7-Bq-1 Water Supply Installation (PVC Pipes D= 19.05 Waste Water Installation (PVC Pipes D= 110 mm Closet					730	55,470 86,410	0 0	33,000 1,460		2,055,200 698,640	
S-B6-Bq-2 Cerumic Floor Tile, 200 x 200 mm (Nonslip Text S-B9-Bq-7 Floot Glass H = 100 mm, Rayband (For Wall bea XL SANITAIR WORK S-B7-Bq-1 Water Supply Installation (PVC Pipes D= 19.05 S-B7-Bq-5 Waste Water Installation (PVC Pipes D= 110 mm Closet Washbak		to pieces pieces	12.00 2.00	0 0 0	730 40	55,470 86,410 442,480	0 0	33,000 1,460 0	665,640 172,820	2,055,200 698,640 174,280 0	
S-86-8-q-2 Centric Floor Tile, 200 x 200 mm (Nonstip Text S-89-8q-7 Floor Glass H = 100 mm, Rayband (For Wall best S-B7-8q-1 Water Supply Installation (PVC Pipes D= 19.05 S-B7-8q-5 Closet Water Installation (PVC Pipes D= 110 mm S-B7-8q-6 Water Mathods, S-B7-8q-6 Floor Drain		pieces pieces pieces	12.00 2.00 8.60	0 0 0	730 40 0	55,470 86,410 442,480 60,000	0 0 0	33,000 1,460 0	665,640 172,820 0 480,000	2,055,200 698,640 174,280 0 480,000	
S-B6-Bq-2 Cerumic Floor Tile, 200 x 200 mm (Nonelip Text Floor Glass H = 100 mm, Rayband (For Wall bea XI. SANITAIR WORK S-B1-Bq-1 Waster Supply Installation (FVC Pipes D= 110 mm Floor Death of September 1 to me September 1 to m		picces picces picces picces unit	12.00 2.00 8.00 1.00	0 0 0 0	730 40 0 49,390	55,470 86,410 442,480 60,000 1,289,080	0 0 0 0	33,000 1,460 0 0 49,390	665,640 172,820 0 480,000 1,289,080	2,055,200 698,640 174,280 0 480,000 1,338,470	
S-86-8-q-2 Centric Floor Tile, 200 x 200 mm (Nonstip Text S-89-8q-7 Floor Glass H = 100 mm, Rayband (For Wall best S-B7-8q-1 Water Supply Installation (PVC Pipes D= 19.05 S-B7-8q-5 Closet Water Installation (PVC Pipes D= 110 mm S-B7-8q-6 Water Mathods, S-B7-8q-6 Floor Drain		pieces pieces pieces	12.00 2.00 8.60	0 0 0 0 0	730 40 0 49,390	55,470 86,410 442,480 60,000	0 0 0	33,000 1,460 0 0 49,390	665,640 172,820 0 480,000 1,289,080 1,080,480	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480	
S-B6-Bq-2 S-B9-Bq-7 Float Gines H = 100 mm, Rayband (For Wall bea  XI SANITAIR WORK S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-3 Water Supply Installation (PVC Pipes D= 110 mm (PVC Pipes D= 110 m		picocs picocs picocs unit picces	12.00 2.00 8.60 1.00	0 0 0 0 0	730 40 0 49,390 0 200	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170	0 0 0 0 0	33,000 1,460 0 0 49,390	665,640 172,820 0 480,000 1,289,080 1,080,480	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 280,740	
S-B6-Bq-2 S-B9-Bq-7 Float Glass H = 100 mm, Rayband (For Wall bea  XI. SANITAIR WORK S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-8 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-9 S-B7-Bq-1 Kitchen table (Reinforcement Concrete)		picous picous picous picous unit picous picous	12.00 2.00 8.60 1.00	0 0 0 0 0	730 40 0 49,390 0 200	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170	0 0 0 0 0	33,000 1,460 0 0 49,390 0 400	665,640 172,820 0 480,000 1,289,080 1,080,480	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480	
S-86-8-q-2 Cerumic Floor Tile, 200 x 200 mm (Nonstip Text Floor Glass H = 100 mm, Rayband (For Wall bea XL SANITADR WORK S-B7-8q-1 Water Supply Installation (PVC Pipes D= 19.05 Waste Water Installation (PVC Pipes D= 110 mm S-B7-8q-3 Spite tank Water Stop Valve S-B7-8q-9 S-B7-8q-9 S-B7-8q-1 Kitchen table (Reinforcement Concrete)  XIL ELECTRICAL WORK		picces picces picces picces unit picces picces m3	\$2.00 2.00 8.00 1.00 16.00 2.00	0 0 0 0 0 0 0	730 40 0 49,390 0 200 197,375	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900	0 0 0 0 0 0	33,000 1,460 0 49,390 400	665,640 172,820 0 480,000 1,289,080 1,080,480 280,340	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 280,740 0 Sub Total	6,107,810
S-86-Bq-2 S-89-Bq-7 S-89-Bq-7 S-89-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-3 S-87-Bq-3 S-87-Bq-3 S-87-Bq-3 S-87-Bq-3 S-87-Bq-3 S-87-Bq-3 S-87-Bq-1 S-87-Bq-1 S-87-Bq-9 S-87-Bq-10 Kitchen table (Reinforcement Concrete)  XII. FLECTRICAL WORK S-88-Bq-1 S-88-Bq-1 Kitchen table (Reinforcement Concrete)  XII. FLECTRICAL WORK S-88-Bq-1 S-88-Bq-1 Finstallation and Lighting 40W-1 FL		picces picces picces picces unit picces picces m3	12.00 2.00 8.60 1.00	0 0 0 0 0 0 0	730 40 0 49,390 0 200 197,375	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900	0 0 0 0 0	33,000 1,460 0 0 49,390 0 400	665,640 172,820 0 480,000 1,289,030 1,080,480 280,340 0	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 280,740 0 Sub Total	6,107,810
S-86-8-q-2 Cerumic Floor Tile, 200 x 200 mm (Nonstip Text Floor Glass H = 100 mm, Rayband (For Wall bea XL SANITADR WORK S-B7-8q-1 Water Supply Installation (PVC Pipes D= 19.05 Waste Water Installation (PVC Pipes D= 110 mm S-B7-8q-3 Spite tank Water Stop Valve S-B7-8q-9 S-B7-8q-9 S-B7-8q-1 Kitchen table (Reinforcement Concrete)  XIL ELECTRICAL WORK		picces picces picces picces unit picces picces m3	\$2.00 2.00 8.00 1.00 16.00 2.00	0 0 0 0 0 0 0 100	730 40 0 49,390 0 200 197,375	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060	0 0 0 0 0 0	33,000 1,460 0 49,390 400 0	665,640 172,820 0 480,000 1,289,030 1,080,480 280,340 0	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 280,740 0 Sub Total	6,107,816
S-86-B-q-2 S-89-B-q-7 Floot Glass H = 100 mm, Rayband (For Wall bea  XI. SANITAIR WORK S-87-B-q-1 S-87-B-q-5 S-87-B-q-6 S-87-B-q-8 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-87-B-q-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-1 S-88-B-B-3 Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL		picces picces picces picces unit picces m3  picces picces picces picces picces picces	12.00 2.00 8.60 1.00 16.00 2.00	0 0 0 0 0 0 100	730 40 0, 49,390 0 200 197,375	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 185,560	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0	665,640 172,820 0 480,000 1,289,080 1,080,480 280,340 0 1,408,660	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 540,300	6,107,814
S-B6-Bq-2 S-B9-Bq-7 Flost Glass H = 100 mm, Rayband (For Wall bea  XI SANITAIR WORK S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-1 S-		picces picces picces picces picces picces m3  picces picces picces picces picces picces picces	12.00 2.00 8.60 1.00 16.00 2.00	0 0 0 0 0 0 0 0 0 0 0	730 40 0, 49,390 0 200 197,375 0 0	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 185,560 103,060	000000000000000000000000000000000000000	33,000 1,460 0 49,390 400 0 0 0 0	665,640 172,820 480,000 1,289,030 1,080,480 280,340 0 1,408,660 0 540,300 0	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 540,300	6,107,814
S-86-B-q-2 Ceruntic Floor File, 200 x 200 mm (Nonstip Feet Floot Glass H = 100 mm, Rayband (For Wall bea St. S-87-B-q-1 Water Supply Installation (PVC Pipes D= 19.05 S-87-B-q-3 Sptic tunk Water Installation (PVC Pipes D= 110 mm S-87-B-q-3 Sptic tunk Water Stop Valve S-87-B-q-9 S-87-B-q-1 Kitchen table (Reinforcement Concrete)  XII. ELECTRICAL WORK S-B11-B-q-1 Installation and Lighting 40W-1 FL Installation and Lighting 20W-1 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-2 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation and Lighting 15W-1 FL Installation Installation (IPK)		picous picous picous picous picous picous picous picous picous picous picous picous picous picous picous picous	12.00 2.00 8.00 16.00 2.00 11.00 5.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	730 40 0 49,390 0 290 197,375 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 103,060 4,057,240	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0 0 0 0 0	665,640 172,820 480,000 1,289,080 1,080,480 280,340 0 1,408,660 0 540,300 0 412,240	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 540,300 0 412,240	6,107,81
S-86-B-q-2 S-89-Bq-7 Floot Glass H = 100 mm, Rayband (For Wall bea  XL SANITAIR WORK S-87-Bq-1 S-87-Bq-1 S-87-Bq-3 S-87-Bq-3 S-87-Bq-3 S-87-Bq-1 S-87-Bq-9 S-87-Bq-10 XIII S-87-Bq-9 S-87-Bq-10 XIII S-87-Bq-10 XIII S-87-Bq-10 XIII S-87-Bq-10 XIII S-87-Bq-10 XIII S-87-Bq-10 XIII S-87-Bq-10 XIII S-81-Bq-1 S-811-Bq-1 S-811-Bq-3 S-811-Bq-4 S-811-Bq-4 S-811-Bq-4 S-811-Bq-5 S-811-Bq-5 S-811-Bq-5 S-811-Bq-6 S-811-Bq-6 S-811-Bq-6 S-811-Bq-6 S-811-Bq-7 Fuse Crustic Floor Tile, 200 x 200 mm (Nonellip Text Floor Tile, 200 x 200 mm (Nonellip Text Floor Glass H = 100 mm, Rayband (For Wall bea Wester Supply Installation (PVC Pipes D~ 19.05 S-87-Bq-6 Vaster Supply Installation (PVC Pipes D~ 110 mm Septime		pieces pieces pieces vinit pieces pieces m3  pieces pieces pieces pieces pieces pieces pieces pieces pieces	12.00 2.00 8.00 1.00 16.00 2.00 11.00 5.00 4.00	0 0 0 0 0 0 1000	730 40 0 49,390 0 200 197,375 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,530 1410,900 128,060 233,060 108,060 185,560 103,060 4,057,240 26,310	000000000000000000000000000000000000000	33,000 1,460 0 49,390 400 0 0 0 0 0 0 0	665,640 172,820 0 480,000 1,289,080 1,080,480 280,340 0 1,408,660 0 540,300 0 412,240	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 540,300 412,240 52,620	6,107,81
S-B6-Bq-2 Creatic Floor File, 200 x 200 mm (Nonstip Feet Floot Glass H = 100 mm, Rayband (For Wall bea XL SANTADR WORK S-B7-Bq-1 Water Supply Installation (PVC Pipes D= 19.05 S-B7-Bq-6 Closet S-B7-Bq-6 Water Installation (PVC Pipes D= 110 mm S-B7-Bq-3 Sptic turk Water Supply Land (PVC Pipes D= 110 mm S-B7-Bq-3 Sptic turk Water Supply Land (PVC Pipes D= 110 mm S-B7-Bq-1 S-B7-Bq-9 Sant Tub (Water Supply Land (PVC Pipes D= 110 mm S-B7-Bq-9 Sant Tub (Water Supply Land (PVC Pipes D= 110 mm S-B7-Bq-9 Sant Tub (Water Supply Land (PVC Pipes D= 110 mm S-B7-Bq-1 Sant Land (		picous picous picous picous picous picous picous picous picous picous picous picous picous picous picous picous	12.00 2.00 8.00 16.00 2.00 11.00 5.00	000000000000000000000000000000000000000	730 49,300 0 200 197,375 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 103,060 4,057,240 26,310 10,440	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0 0 0 0 0 0	665,640 172,820 0 480,000 1,289,080 1,080,480 280,340 0 1,408,660 0 540,300 0 412,240	2,055,200 698,640 174,280 0 0 480,000 1,338,470 1,080,480 280,740 0 5,40,300 412,240 52,620 20,880	6,107,81
S-86-B-q-2 S-89-Bq-7 Floot Glass H = 100 mm, Rayband (For Wall bea  XL SANITAIR WORK S-87-Bq-1 S-87-Bq-6 S-87-Bq-6 S-87-Bq-6 S-87-Bq-6 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-881-Bq-1 S-881-Bq-2 Installation and Lighting 40W-1 FL Installation and Lighting 40W-2 FL S-881-Bq-3 S-811-Bq-3 S-811-Bq-3 S-811-Bq-3 S-811-Bq-3 S-811-Bq-7 S-811-Bq-7 S-811-Bq-9 S-811-Bq-9 Outlet Socket Switch S-80-Bq-1 S-81-Bq-10 Outlet Socket Switch		pieces pieces pieces pieces unit pieces pieces m3  pieces pieces pieces pieces pieces pieces pieces pieces pieces	12.00 2.00 8.00 1.00 16.00 2.00 11.00 5.00 4.00	0 0 0 0 0 0 0 1000	730 40 0 49,390 0 290 197,375 0 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 233,060 108,060 103,060 4,057,240 26,310 10,440	000000000000000000000000000000000000000	33,000 1,460 0 49,390 400 0 0 0 0 0 0 0 0	665,640 172,820 480,000 1,289,080 1,090,480 280,340 0 1,408,660 540,300 0 412,240 52,620 20,8% 52,200	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 540,300 412,240 20,880 32,200 57,200	6,107,814
S-B6-Bq-2 S-B9-Bq-7 Flost Glass H = 100 mm, Rayband (For Wall bea  XL SANTTAIR WORK S-B7-Bq-1 S-		pieces pieces	12.00 2.00 8.00 1.00 16.00 2.00 11.00 5.00 4.00 2.00 5.00 5.00	000000000000000000000000000000000000000	730 40 0 49,390 0 200 197,375 0 0 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,539 140,170 2,410,900 128,060 128,060 103,060 103,060 103,060 103,060 103,060 103,040 10,440 10,440 11,440 32,420	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0 0 0 0 0 0 0	665,640 172,820 480,000 1,289,040 1,090,450 280,340 0 1,408,660 6 540,300 0 12,240 12,240 12,240 12,240 12,240 12,240 12,240 13,850 14,240 15,240 15,250 15,	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 412,240 20,880 52,200 57,200	6,107,81
S-86-B-q-2 Ceruntic Floor File, 200 x 200 mm (Nonstip Text Floot Glass H = 100 mm, Rayband (For Wall bea S-8-B-8q-5		pieces pieces	12.00 2.00 1.00 1.00 16.00 2.00 11.00 4.00 2.00 2.00 5.00 5.00	000000000000000000000000000000000000000	730 40 0. 49,390 200 197,375 0 0 0 0 0 0	55,470 86,410 442,489 60,000 1,289,080 67,539 140,170 2,410,900 108,060 185,560 103,060 4,057,240 26,310 10,440 11,440 11,440 11,440 759,000	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0 0 0 0 0 0 0 0 0	665,640 177,820 480,000 1,289,080 1,080,480 280,340 0 1,408,660 6 540,300 0 12,240 20,890 52,200 57,200	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 0 Sub Total 1,408,660 0 540,300 412,240 20,880 32,200 57,200	6,107,814
S-86-B-q-2 S-89-Bq-7 Floot Glass H = 100 mm, Rayband (For Wall bea  XL SANITAIR WORK S-87-Bq-1 S-87-Bq-6 S-87-Bq-6 S-87-Bq-6 S-87-Bq-6 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-87-Bq-1 S-81-Bq-1 S-81-Bq-1 S-81-Bq-1 S-81-Bq-1 S-81-Bq-1 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-2 S-81-Bq-1 S		pioces pioces	12.00 2.00 1.00 16.00 2.00 11.00 5.00 4.00 2.00 5.000 5.000 5.000	000000000000000000000000000000000000000	730 40 0 49,390 2000 197,375 0 0 0 0 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,530 140,170 2,410,900 128,060 103,060 103,060 4,057,240 10,440 11,440 32,420 77,420	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 0 0 0 0 0 0 0 0 0 0 0 0 0	665,640 172,820 480,000 1,289,940 1,080,489 280,340 0 1,408,666 6 540,300 0 ( 412,240 20,890 52,200 57,200	2,055,200 698,640 174,280 0 480,000 1,338,470 1,080,480 280,740 5,40,300 412,240 20,880 52,200 57,200 162,100	6,107,814
S-B6-Bq-2 S-B9-Bq-7 Floot Glass H = 100 mm, Rayband (For Wall bea  XL SANTAIR WORK S-B7-Bq-1 S-B7-Bq-6 S-B7-Bq-6 S-B7-Bq-1 S-B		pieces pieces	12.00 2.00 8.00 1.00 16.00 2.00 4.00 2.00 5.00 5.00 5.00	000000000000000000000000000000000000000	730 40 0 49,390 2000 197,375 0 0 0 0 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,539 140,170 2,410,900 128,060 103,060 103,060 103,060 10,440 10,440 11,440 32,420 750,000 77,420 31,311	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0 0 0 0 0 0 0 0 0 0	665,640 172,820 480,000 1,289,080 280,340 0 1,408,660 0 540,300 0 412,240 162,100 162,100	2,055,200 698,640 174,280 480,000 1,338,470 1,080,480 0 5,040 1,408,660 0 540,300 412,240 20,880 52,200 57,200 162,100 0 31,316	6,107,814
S-B6-Bq-2 S-B9-Bq-7 Flost Glass H = 100 mm, Rayband (For Wall bea  XL SANTAIR WORK S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-5 S-B7-Bq-6 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B1-Bq-1 S-B		pioces pioces	12.00 2.00 1.00 16.00 2.00 11.00 5.00 4.00 2.00 5.000 5.000 5.000	000000000000000000000000000000000000000	730 40 0 49,390 0 200 197,375 0 0 0 0 0 0 0 0	55,470 86,410 442,480 60,000 1,289,080 67,539 140,170 2,410,900 128,060 223,060 103,060 103,060 4,057,240 26,310 10,440 11,440 11,440 759,000 77,420 31,310	000000000000000000000000000000000000000	33,000 1,460 0 49,390 0 400 0 0 0 0 0 0 0 0 0 0	665,640 172,820 480,000 1,289,940 1,080,489 280,340 0 1,408,666 6 540,300 0 ( 412,240 20,890 52,200 57,200	2,055,200 698,640 174,280 480,000 1,338,470 1,080,480 0 5,040 1,408,660 0 540,300 412,240 20,880 52,200 57,200 162,100 0 31,316	6,107,814

### Table 4.2.7 (14/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

### CONSTRUCTION COST OF MUSHOLA

D) No.	licm	Unit	Quentity		Unit Cost			Cost		Т	otal
571.0.			ζ	PF/C	1F/C	UC.	PF/C	IF/C	L/C		
S-B9-Bq-1	Weil Painting	m2	367.22	0	1,430	8,570	0	525,125	3,147,075		
S-B9-Bq-2	Wood Painting	m2	48.00	0	4,100	14,800	0	196,800	710,400	907,200	j
S-B9-Bq-15	Wood polytur	m2	8.28	0	200	20,800	0	1,656	172,224	173,880	
S-B9-Bq-6	Steel Protection Painting	m	139.53	. 0	80	7,690	0	11,162	1,072,986	1,084,148	
S-B9-B9-3	Ceiting Painting	m2	146.40	0	1,440	8,660	0	210,816	1,267,824	1,478,640	
			· ·					1		Sub Total	7,316,068
.1			l								
T.		1	1		l	1		l	<u> </u>	Total Cost	126,633,504

### Table 4.2.7 (15/15) COST CALCULATION OF DAM MANAGEMENT COMPLEX

### CONSTRUCTION COST OF EXTERNAL WORK

ID No.	liem	Unit	Quantity		Unit Cost			Cost			Cotal
				PF/C	IF/C	LC	PF/C	IF/C	υc		
	1										
. TEMPORA S-B14-Bq-1		_									t
	Uitzet & Bouwplank	m2	657.00	v	U	3,500	9	0	2,299,500		
S-B14-Bq-2	Water & Electricity for Work	L.S	1.00	U	0	3,750,000	o <sub>l</sub>	0	3,750,000		
S-B14-Bq-3	Administration & Documentation	L.\$	1.00	0	0	2,500,000	0	0	2,500,000		
	1		l i		1					Sub Total	8,549,5
T PYCAVAT	ION, STILLING, AND GRADING WORK									<u> </u>	1
S-B1-Bq-1	Earth Cut, I m depth	m3	57.74		0	16,000	ا ا	o	923,840	923,840	i
S-B1-Bq-2	Earth Fill (Old)	m3	4.03	°,	o o	7,700	0	, o			
S-B1-Bq-4	Sand Fill	m3	158.46	, i	1,620	41,800	u,	256,705	31,031 6,623,628	31,031	
-ni-nd-	Sale Fill	шэ	130.40	٥	1,520	41,000	v v	230,703	6,023,028	6,880,333 Sub Total	7,835,2
IL FOUNDAT	TION WORK									2/10/10/21	7,033,
-B2-Bo-1	Dry Stone Masorry	m3	172.40	0	2,900	96,000	اه	499,960	16,550,400	17.050.360	
3-B2-Bq-2	Brick block 1:3:10	m3	27.24	o	6,960	326,310	i n	189,590	8,888,684		
3-B2-Bq-3	Stone Masonry 1:3:10	m3	167.90	ď	9,800	166,600	· ň	1,645,420	27,972,140		
			"""	. *	5.000	,00,000		1,010,120	44,710,110	Sub Total	55,746,1
V. FENCE W	ORK					İ		1		1000	, , , , , , , , , , , , , , , , , , ,
5-83-Bq-4	Mortar plastering 15 mm of thickness, 1:3	m2	107,71	0	900	9.100	0	96,939	980.161	1,077,100	
3-B6-Bq-2	Ceramic Floor Tile, 200 x 200 mm (Nonslip Texture)	m2	37.99	0	9,660	36,550	a	366,983	1,388,535	1	
S-B9-Bo-1	Wall Painting	m2	42.89	0	1,430	8,570	. 0	61,333	367,567		
				-	",	· •		1,000	20,20,	Sub Total	3,261,
V. SANTTAIR	WORK		1 1							1000	3,003,0
S-B7-Bq-13	Dramage U-300	m	810.91	0	2,400	36,500	. 0	1,946,184	29,598,215	31,544,399	
S-B4-Bq-10	Pence's Foundation (RC)	m3	5.21	100	203,755	2,127,660	521	1,061,564	11,085,109		
S-B7-Bq-18	Decowell	tenit	1.00	. 0	0	50,000,000	0		50,000,000		
S-B7-Bq-12	Drainage Box	pieces	36.00	0	12,320	134,950	0	443,520	4,858,200		
		•			,	,	·			Sub Total	98,993,
VL ELECTRA	CAL WORK							1			7-2-30
S-B11-Bq-9	Lighting Switch (Double)	pieces	1.00	. 0	ol	10,440	0	l ol	10,440	10,440	i
S-B11-Ba-7	Fuse	picces	1.00	0	0	26,310	0		26,310		
3-B11-Bq-21	General Lighting Installation	picocs	14.00	. 0	. 0	53,060	ň	اه ا	742,840		
S-B11-Bq-22	General Lighting 36W-2 + Pole	pieces	14.00	112,820	1,540	263,320	1,579,480	21,560	3,686,480		
-Bli-Bq-I4	Fuse Box	pieces	1.00	0	0	31,310	0	0	31,310		
-B11-Bq-23	New Installation from PLN for 1300 VA	pieces	1.00	o.	ă	528,000	آ م		528,000		
: •		·	"	*	ľ			"	222,000	Sub Total	6,098,
II. I.ANSCA											1
-B15-Bq-1	Paving Kansteen (Paving Border)	723	497.38	. 0	. 0	35,900	0	0	17,855,942	17.855,942	1
BIS-Bq-2	Gravel	m3	2.50	o	1,360	31,260	0	3,400			1
B15-Bq-5	Paving Block	us2	951,90	0	5,700	44,800	o	5,425,830	42,645,120		
-B15-Ba-9	Plantation S	m2	2,609,33	0	0	5,000	'n	0	13,946,650		
			',,,		]	2,000	l	[	15,7.0,44	Sub Total	79,055
						*			-		12,033
100			[ ]					1		Total Cost	259,539,

### Table 4.2.8 (1/5) COST CALCULATION OF HYDRO POWER STATION BUILDINGS

### CONSTRUCTION COST OF HYDRO POWER STATION BUILDING

	Items	Unit	Quantity	PF/C. I	Unit Cost IF/C	I/C	PF/C I	Com IF/C T	L/C	Υ	otal
ļ				1						. 1	
	N, PULING, AND GRADING WORK				_				148.000		
	Earth Cut, 1 m depth Earth Fili (Old)	m3	10.52	. 0	0	16,000 7,700	0	0	168,320 48,587	168,320 48,587	
3-81-8q-2 3-81-8q-3	Earth Fill (New)	na3 na3	6.31 8.24	502	495	17,061	4,137	4,082	140,583	148,803	
	Sand Fill	na3	2.28	202	1,620	41,800	0	3,694	95,304	98,998	
	Send Fill Under Foundation	m3	0.88	ō	1,620	41,800	0	1,426	36,784	38,210	
-			i '	1	1		i	1	ļ	Sout Total	502,91
L FOUNDATE			il			0.000		2 350	125 750	200 150	
S-B2-Bq-1	Dry Stone Maioury	m3	1.31		2,900	96,000 166,600	0	3,799 74,578	125,760 1,267,826	129,559 1,342,404	
S-B2-Bq-3 S-B2-Bq-2	Stone Masonry E3:10 Brick block 1:3:10	m3 m3	7.61 5.43		9,800 6,960	326,310	o o	37,793	1,771,863	1,809,636	
2-B2-Ed-7	2002 000 13:10	, m.s	7.43	. "	Ψ,200	ا۷،۰۰۰	, "I	3,,,,,,	1,777,000	Sub Total	3,281,61
III. REINFOR	CEMENT CONCRETE WORK			. 1	- 1	_ i			Ì		
S-B1-Bq-12	Concrete K-250	வி	217.13	0	45,870	193,200	0	9,959,753	41,949,516	51,909,269	
-B4-Bq-7	Stock Bar Die. 12 mm	Kg	24,636.99	o	1,203	9,128	0	29,632,299	224,886,445	254,524,744	
S-B4-Bq-8	Steel Bar Deformed Dis. 16 mm	Kg	20,883.52	0	1,296	9,320	0	26,856,207	194,634,406	221,490,613	1.0
-B4-Bq-13	Scuffolding	. m2	253.75	14,740	70	15,630	3,740,275	17,763	3,966,113	7,724,150	**
-B4-Bq-2	Light Concrete (Concrete 13:5)	ஈப்	0.31	0	30,410	422,790	이	9,427	131,065	140,492	***
	1		!!!					l.		Seb Total	535,789,2
v, roofing		l i	اا					اه	3 200 670	(020, 125	
-85-Bq-δ	Steel Trues Steel Purtin	Kg	580.60 4,516.58	6,310 6,310	. 0	5,699	3,663,586 28,499,620	0	3,308,839 25,739,989	6,972,425 54,239,609	
-B5-Bq-7 -R5-Rq-23	Facing Plate I	Kg m2	62.00	0	ŏ	26,500	0.	ő	1,643,000	1,643,000	
-85-Bq-24	Facing Plate II	m2	29.00	o		29,000		ŏ	841,000	841,000	
-B5-Bq-25	Sandwich Layer & Steel Roof	tn2	449.50	اة	63,870	190,220	. 0	28,709,565	85,503,890	114,213,455	- 1
-B5-Bq-26	Capping	104	31.00	اة	8,280	21,320	0	256,680	660,920	917,600	
								0	1,367,113		
3-B5-Bq-27	Polycerbonat Frazie  Dobroschonat Pool Sheet	Kg :	238.09 27.75	7,133	. 530	5,742 113,960	1,698,796	14,708	3,162,390	3,065,409 3,177,098	
S-B5-Bq-28 S-B5-Bq-29	Polycarbonat Roof Sheet	m2 m	14.40	0	8,280	21,320	,	119,232	3,162,390	3,177,098 425,240	
-B3-Bq-30	Ahminium Capping Asphalt Sheet Water Proofing 5 mm	III.	310.23		14,070	23,110	ő	4,364,936	7,169,415	11,534,351	
. J. 14730	The state of the s	1	",,,,,,,,	"	-3010		. "		.,,	Sub Total	197,030,1
v. concrem	E BLOCK WORK AND BRICKWORK							- 1			
S-B3-Bq-2	Brickweil/brickwork 1:3 1/2 brick thick	13.3	7.15	. 0	16,610	368,140	0	118,762	2,632,201	2,750,963	
S-B3-Bq-1	Brickwal/brickwork 13:10 1/2 brick thick	a.i	67.96	o	6,960	336,310	0	473,002	22,855,628	23,328,629	1.5
		1			1	j	t	. [	1000	Sub Total	26,079,5
VL PLASTER	WORK				1	Į		1			
S-B3-Bq-4	Morter plantering 15 mm of thickness, 1:3	_ m2;	118.55	. 0	900	9,100	0	106,695	1,078,805	1,185,500	
3-B3-Bq-3	Mortar plantering 15 mm of thickness, 1:3:10	m2	1,132.70	0	400	7,200	0	453,080	8,155,440	8,608,520	A 1 4 4 4
S-B3- <b>Bq-5</b>	Morter plastering 15 mm of thickness, 1:2	m2	1,786.84	이	1,200	10,000	0	2,144,208	17,868,400	20,012,608	4
5-86-8q-7	Granito Tile for Entrance Wall	<b>55.2</b>	11.52	이	47,160	124,030	0	543,283	1,429,056	1,972,339	
S-B6-Bq-8	Terracota	m2	131.65	l 약	9,660	36,550	0	1,271,739	4,811,808	6,083,547	37,862,3
Wi noone	AND WINDOW WORKS	1		1 1		· . [	4			Sub Total	37,4904
<u>Y11⊏14444444</u> ,¢ S-B8-Bq-4	Ahminian awakenna		362.05		7,950	67,320	0	2,878,298	24,373,206	27,251,504	ĺ
3-08-04-18 S-98-04-18	Aleminus Window Prime	, m	67.40	1	4,170	58,500	ă	281,058	3,942,900	4 223 958	4.4
3-B3-Bq-6	Alaminian Door Frame	m .	45.00		6,330	63,540	ó	284,850	2,859,300	3,144,150	
S-B8-B9-22	Steel Frame for Teakwood Door		52.00		0	7,250	466,440	0	377,000	843,440	
S-B8-Bq-15	Door Keys for Toilet Door	pieces	1.00		15,600	48,570	0	15,600	48,570	64,170	
9-88-Bq-23	Door Handle for Entrance Door	pieces	2.00		78,000	194,170	. 0	156,000	388,340	544,340	
S-B8-Bq-19	Door Handle for Aluminum Door	рассев	12.00		18,720	55,850	. 0	224,640	670,200	894,840	
S-B8-Rq-8	Door Keys for Aleminiana Door	picces	12.00	0	15,600	48,570	. 0	187,200	582,840	770,040	]
S-86-8q-9	Expregnolette	picons	3.00	0	10,920	37,650	. 0	32,760	112,950	145,710	1
S-BS-Bq-10	Door Hings (125 rurs)	pieces	23.00		1,320	15,950	0	30,360	366,850	397,210	
3-88-8q-12	Al-Louvre	m2	19.71		10,200	150,040	0		2,957,288	3,158,330	
S-88-Bq-24	Tenkwood Panel	m.2	24.64		300	455,700	0		11,228,448	11,235,840	
S-88-Bq-25	Alaminiana Panel	m2	17.01		19,580	58,410	0		993,554	1,326,610	
S-B8-Bq-26	Louvre for Ventimion Door	m-2	0.20		500	253,000	. 0		50,600	50,700	
S-B8-Bq-27	Mirror Stanious Steel Shoot t=1.2 mm	m2	3.84	. 0	0	329,690	0	. 0	1,266,010	1,266,010	
S-B8-Bq-28	Aluminian Rolling Shutter (Motorize)	<b>m2</b>	25.20	o	156,000	376,170	0	3,931,200	9,479,484	13,410,684	j
S-B8-Bq-29	Door Closer	pieces	6.00	0	46,800	121,370	. 0	280,800	728,220	1,009,020	1
S-88-8q-13	Door Stopper	pieces	12.00	0	12,480	41,290	0	149,760	495,480	645,240	
	I the second of	1	1	1 1					· ·	Sub Total	70,381,
	OB LIMISHUNG	1							l		j
S-810-8q-5	Waterproof Gypennt Board 10 mes + Wood Frame	##2	153.63		120	100,470			15,435,206		
S-B10-B0-15	Gypsumboard Panel	m2	20.65		420	89,990	0				
S-B10-Bq-6 S-B10-Bq-16	Gypsum Cornics for Ceiling Access Floor	m m2	114,20 43,69		30 0	615,810 610,000	0	3,426	1,805,502 26,650,900		
S-B10-Bq-16	Access 1900r Aluminium Spandrel for Colling	m2	38,96		750	145,000	ő	29,220			
S-B10-Bq-18	Alternation Speciation for County	84	79.55		4,170	58,500	Ö	331,724			
S-B10-Bq-19			20,00		9,000						
CDICDIS	Ventiletion Hole D = 600 + Steel Frame	picces	44,00			121,540	1,260,000			Sub Total	60,480,
O-DIO-DIG-13	Ventiletion Hole D = 600 + Steel Frame	pieces	10.00	l I	7,000	121,500	1,260,000		ŀ		1 00,400,
DE TILE WO		picces	20,00				1,260,000				
IX. TILE WO S-96-Bq-3	PBLK Ceremic Floor Tile, 300 x300 mm	m2	119.35		9,660	36,550		1,152,921	4,362,243	5,515,164	
DX. TULE WO S-96-Bq-3 S-86-Bq-6	NILK. Coronic Floor Tile, 300 x300 mm. Stair Nowing Coronic Tile	m2 m	119.35 65.80	) : 0	9,660 1,740	36,550 6,580	0	1,152,921 114,492	432,964	5,515,164 547,456	
DX. TILE WO S-B6-Bq-3 S-B6-Bq-6 S-B6-Bq-4	REK. Corsense Floor Tile, 300 x300 mm. Stair Nowing Cortemic Tile Cortemic Floor Tile, 300 x300 mm. (Normity Texture)	m2 #1 m2	119.35 65.80 21.90	0	9,660 1,740 9,660	36,350 6,380 36,550	0	1,152,921 114,492 211,554	432,964 800,441	5,515,164 547,456 1,011,995	
DC TULE WO S-B6-Bq-3 S-B6-Bq-6 S-B6-Bq-4 S-B6-Bq-1	DELK Ceremic Floor Tile, 300 x300 cmm. Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 cmm. (Notatip Texture) Ceremic Floor Tile, 200 x 200 cmm.	m2 m m2 m2	119.35 65.80 21.90 32.67	0 0	9,660 1,740 9,660 9,660	36,550 6,580 36,550 36,550	0 0	1,152,921 114,492 211,554 315,592	432,964 800,445 1,194,085	5,515,164 547,456 1,011,995 1,509,681	
IX. TULE WO S-B6-Bq-3 S-B6-Bq-6 S-B6-Bq-4 S-B6-Bq-1 3-B6-Bq-2	NULK Corumic Floor Tile, 300 x300 mm. Stair Nowing Certamic Tile Corumic Floor Tile, 300 x300 mm. (Nosadip Texture) Corumic Floor Tile, 200 x 200 mm. Corumic Floor Tile, 200 x 200 mm (Nosadip Texture)	m2 m m2 m2 m2	119.35 65.80 21.90 32.67 3.16	0 0	9,660 1,740 9,660 9,660 9,660	36,550 6,580 36,550 36,550 36,550	0 0 0 0	I,152,921 114,492 211,554 315,592 30,526	432,964 800,445 1,194,085 115,491	5,515,164 547,456 1,011,995 1,509,681 146,024	
IX TILE WO S-B6-Bq-3 S-B6-Bq-6 S-B6-Bq-4 S-B6-Bq-1	DELK Ceremic Floor Tile, 300 x300 cmm. Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 cmm. (Notatip Texture) Ceremic Floor Tile, 200 x 200 cmm.	m2 m m2 m2	119.35 65.80 21.90 32.67	0 0	9,660 1,740 9,660 9,660	36,550 6,580 36,550 36,550	0 0 0 0	I,152,921 114,492 211,554 315,592 30,526	432,964 800,445 1,194,085 115,491	5,515,164 547,456 1,011,995 1,509,681 146,024 635,051	
X. TILE WO S-B6-Bq-3 S-B6-Bq-6 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7	Ceremic Floor Tile, 300 x300 cmm. Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 cmm. (Notating Texture) Ceremic Floor Tile, 300 x 300 cmm. (Notating Texture) Ceremic Floor Tile, 200 x 200 cmm (Notating Texture) Floot Gless H = 100 mm, Raybead (For Wall base)	m2 m m2 m2 m2	119.35 65.80 21.90 32.67 3.16	0 0	9,660 1,740 9,660 9,660 9,660	36,550 6,580 36,550 36,550 36,550	0 0 0 0	I,152,921 114,492 211,554 315,592 30,526	432,964 800,445 1,194,085 115,491	5,515,164 547,456 1,011,995 1,509,681 146,024	
IX. TILE WO S-B6-Bq-3 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 X-SANITAIS	Corsenio Floor Tile, 300 x300 crun. Stair Nosing Certamic Tile Correctio Floor Tile, 300 x300 crun. (Nossalip Texture) Correctio Floor Tile, 200 x 200 crun. Correctio Floor Tile, 200 x 200 crun. Correctio Floor Tile, 200 x 200 crun. (Nossalip Texture) Floot Glass H = 100 cruz, Raybeard (For Well base)  R WORK	m2 m m2 m2 m2	119.35 65.80 21.90 32.67 3.16	0 0 0 0 5 0	9,660 1,740 9,660 9,660 9,660	36,550 6,580 36,550 36,550 36,550	0 0 0	1,152,921 114,492 211,554 315,592 30,526 166,823	432,964 800,445 1,194,085 115,491	5,515,164 547,456 1,011,599,681 1,46,024 635,057 Sub Total	9,365
X. TILE WO S-B6-Bq-3 S-B6-Bq-6 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7	Ceremic Floor Tile, 300 x300 cmm. Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 cmm. (Notating Texture) Ceremic Floor Tile, 300 x 300 cmm. (Notating Texture) Ceremic Floor Tile, 200 x 200 cmm (Notating Texture) Floot Gless H = 100 mm, Raybead (For Wall base)	m2 m m2 m2 m2	119.35 65.80 21.90 32.67 3.16 56.55	0 0 0 0 5 0	9,660 1,740 9,660 9,660 9,660 2,950	36,550 6,580 36,550 36,550 36,550 8,280	0 0 0 0	I,152,921 114,492 211,534 315,592 30,526 166,823	432,964 800,441 1,194,085 115,494 468,23	5,515,164 547,456 1,011,999,681 1,509,681 146,022 635,051 Sub Total	9.365
IX. TIL 5 WO S-D6-Bq-3 S-B6-Bq-6 S-B6-Bq-1 S-B6-Bq-1 S-B6-Bq-2 S-99-Bq-7 X-SANITAIS S-B7-Bq-1	Corumic Floor Tile, 300 x300 mm. Shiri Nosing Curamic Tile Corumic Floor Tile, 200 x 300 mm. (Nossilip Texture) Corumic Floor Tile, 200 x 200 mm Corumic Floor Tile, 200 x 200 mm (Nossilip Texture) Floot Glass H = 100 mm, Raybend (For Wall base)  R WORK Water Supply (installminin (PVC Pipes D= 19.05 mm)	m2 m m2 m2 m2 m2	119.35 65.80 21.90 32.67 3.16 56.55	0 0	9,660 1,740 9,660 9,660 9,660 2,950	36,550 6,580 36,550 36,550 36,550 8,280	0 0 0	1,152,921 114,492 211,554 315,592 30,526 166,823	432,964 800,441 1,194,085 115,494 468,23- 1,835,000 998,466	5,515,164 547,456 1,011,599,681 146,024 635,051 Sub Total	9,365
IX TU 5 WO S-B6-Bq-3 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-2 S-B9-Bq-7 Z-SANITAIS S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-2	Ceremic Floor Tile, 300 x300 mm.  Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 mm. (Notatip Texture) Ceremic Floor Tile, 300 x300 mm. (Notatip Texture) Ceremic Floor Tile, 200 x 200 mm (Notatip Texture) Floor Gless H = 100 mm., Reybead (For Wall base)  RWORK Water Supply (restalisation (IVC Pipes D= 19.05 mm) Water Mater Instalisation (FVC Pipes D= 110 mm (1*))	m2 m m2 m2 m2 m2 m2	119.35 65.86 21.90 32.67 3.16 56.55	0 0 0	9,660 1,740 9,660 9,660 2,950 0 2,750 1,380	36,550 6,580 36,550 36,550 8,280 36,700 55,470	0 0 0	1,152,921 114,492 211,554 315,592 30,526 166,823 0 49,500	432,964 800,441 1,194,082 115,491 468,23- 1,835,000 998,464 1,724,914 7,153,634	5,515,16-1 547,45-1 1,011,999 1,509,681 144,02-1 635,057 Sub Total 0 1,835,000 1,477,96-0 0 1,770,45-1 7,510,380	9,345
N. TULE WO S-86-8q-6 S-86-8q-4 S-86-8q-1 S-86-8q-7 S-87-8q-7 S-87-8q-1 S-87-8q-2 S-97-8q-4 S-97-8q-1 S-87-8q-7	Corsenio Floor Tile, 300 x300 crun.  Stair Nosing Certamic Tile Corsenio Floor Tile, 300 x300 crun. (Nossilip Texture) Corsenio Floor Tile, 200 x 200 crun. (Nossilip Texture) Corsenio Floor Tile, 200 x 200 crun (Nossilip Texture) Floot Glass H = 100 cruz, Raybend (For Walf base)  R WORK Water Supply (Installation (PVC Pipes D= 19.05 crun) Water Water (1/2 D= 110 crun)	m2 m2 m2 m2 m2 m1	119.35 65.36 21.50 32.67 3.14 56.52 50.00 18.00 33.00 129.00		9,660 1,740 9,660 9,660 9,660 2,950 0 2,750 1,380 2,750 40	36,550 6,580 36,550 36,550 8,290 36,700 55,470 52,270 52,270 242,480	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,592 30,526 166,823 0 49,500 45,540 354,750	432,964 800,441 1,194,085 115,494 468,23- 1,835,000 998,466 1,724,910 7,155,639 484,960	5,515,164 547,456 1,011,996 1,599,681 146,022 633,037 Sub Total 0 1,835,000 1,047,966 0 1,770,454 7,510,338 485,044	9,365
N. TU.S WO S-96-Bq-1 S-96-Bq-4 S-96-Bq-1 S-96-Bq-7 S-95-Bq-7 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1 S-97-Bq-1	Ceremic Floor Tile, 300 x300 mm.  Shiri Noining Certanic Tile Ceremic Floor Tile, 300 x300 mm.  (Normitip Texture) Ceremic Floor Tile, 200 x 200 mm Ceremic Floor Tile, 200 x 200 mm (Normitip Texture) Floot Gless H = 100 mm. Raybead (For Wall base)  R WORK  Water Supply (installation (PVC Pipes D= 19.05 mm.) Water Supply (installation (PVC Pipes D= 110 mm.) PVC Gutter (I/2 D= 110 mm.) PVC Gutter (I/2 D= 110 mm.) Hand Zick (Washandel) Soup Case	m2 m m2 m2 m2 m m ou m pieces	119.35 65.36 21.90 32.66 3.16 56.55 50.00 18.00 33.00 129.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 0 2,750 1,380 2,750 40	36,550 6,580 36,550 36,559 8,280 36,700 55,470 52,270 55,470 71,480	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,392 30,526 166,823 0 49,500 45,540 354,750	432,964 800,441 1,194,082 115,494 468,23- 1,835,000 998,461 1,724,911 7,155,633 484,990	5,515,164 547,456 1,011,999,681 146,022 635,057 Sub Total 1,835,000 1,047,960 1,770,454 7,510,388 0 485,040	9,365
28-10-	Ceremic Floor Tile, 300 x300 cmm.  Sain Noting Ceremic Tile Ceremic Floor Tile, 200 x300 cmm. (Notatilp Texture) Ceremic Floor Tile, 200 x 200 cmm. Ceremic Floor Tile, 200 x 200 cmm (Notatilp Texture) Floot Glass H = 100 mm, Reybead (For Well base)  R WORK Water Supply (Installation (PVC Pipes D= 19.05 cmm) Waste Water Installation (PVC Pipes D= 110 cmm (1*)) PVC Gutter (1/2 D= 110 cmm) Hand Zink (Washinfel) Sonp Class Closet	m2 m2 m2 m2 m2 m2 m m pieces pieces	119.35 65.80 21.90 32.67 3.16 56.55 50.00 18.00 129.00 2.00 1.00		9,660 1,740 9,660 9,660 2,950 0 2,750 1,380 2,750 40 40	36,550 6,580 36,550 36,550 36,550 8,290 36,700 55,470 52,270 55,470 242,480 71,480 46,410	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,152,921 114,492 211,534 315,592 30,526 166,823 49,500 45,540 354,750 80	432,964 800,441 1,194,083 115,494 468,23- 1,835,600 998,460 1,724,910 7,155,634 484,90 71,488	5,515,164 547,456 1,011,995 1,599,681 1446,024 635,057 Sub Total 1,835,000 1,047,966 1,770,455 7,510,389 485,040 71,520 87,144	9,365
X TULE WO S-B6-Bq-6 S-B6-Bq-6 S-B6-Bq-1 S-B6-Bq-1 S-B6-Bq-2 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1	Ceremic Floor Tile, 300 x300 mm.  Stair Nosing Ceremic Tile Ceremic Floor Tile, 300 x300 mm. (Nosailip Texture) Ceremic Floor Tile, 200 x 200 mm Ceremic Floor Tile,	m2 m2 m2 m2 ss ss ss pieces pieces	119.35 65.80 21.90 32.67 3.16 56.55 50.00 18.00 33.00 129.00 1.00 1.00		9,660 1,740 9,660 9,660 2,950 0 2,750 1,350 2,750 40 40	36,550 6,580 36,550 36,550 8,280 36,700 55,470 52,270 53,470 242,480 86,410 442,480	000000000000000000000000000000000000000	1,152,921 114,492 211,554 315,592 30,526 166,823 0 49,500 45,540 354,750 46	432,964 800,441 1,194,082 115,491 468,23- 1,835,000 998,464 1,724,910 7,155,63 484,90 71,48 96,414 442,48	5,515,161 547,456 1,011,999 1,509,681 146,022 635,051 Sub Total 1,835,000 1,047,960 1,770,458 7,110,388 71,520 87,144	9,365
N. TUL WO 3-96-8q-6 3-96-8q-4 3-96-8q-2 3-96-8q-2 3-96-8q-2 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1 3-97-8q-1	Corsenie Floor Tile, 300 x300 mm.  Shiri Nosing Certanie Tile Corsenie Floor Tile, 200 x 300 mm. (Nossilip Textore) Corsenie Floor Tile, 200 x 200 mm Corsenie Floor Tile, 200 x 200 mm Corsenie Floor Tile, 200 x 200 mm (Nossilip Textore) Floot Glass H = 100 mm. Raybend (For Wall base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 mm) Water Supply (installation (PVC Pipes D= 19.05 mm) Water Supply (Installation (PVC Pipes D= 110 mm) PVC Outer (1/2 D= 110 mm) PVC Outer (1/2 D= 110 mm) Hand Zink (Washinfel) Soup Case Closet Washbalk Roof Drain	m2 m m2 m2 m2 su su su su su su su su su su su su su	119.35 63.86 21.90 32.66 3.36 56.32 50.00 18.00 33.00 129.00 1.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 1,380 2,750 1,380 40 40	36,550 6,580 36,550 36,550 8,280 36,700 55,470 52,270 52,470 242,480 71,480 442,410 442,400	000000000000000000000000000000000000000	1,152,921 114,492 211,554 315,592 30,526 166,823 0 49,500 45,546 354,750 86 46	432,964 800,441 1,194,085 115,491 468,23- 1,835,000 998,460 1,724,910 7,155,630 484,990 71,480 96,414 442,490 500,000	5,515,164 547,455 1,011,999 1,509,681 144,022 635,057 Sub Total 0,1,835,000 1,835,000 1,835,000 1,770,459 0,7,710,389 0,7,11,320 0,7,11,320 0,7,1440,52	9,365
X TULE WO S-B6-Bq-6 S-B6-Bq-6 S-B6-Bq-1 S-B6-Bq-1 S-B6-Bq-2 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1	Ceremic Floor Tile, 300 x300 mm.  Stair Nosing Ceremic Tile Ceremic Floor Tile, 300 x300 mm. (Nosailip Texture) Ceremic Floor Tile, 200 x 200 mm Ceremic Floor Tile,	m2 m2 m2 m2 ss ss ss pieces pieces	119.35 65.80 21.90 32.67 3.16 56.55 50.00 18.00 33.00 129.00 1.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 1,380 2,750 1,380 40 40	36,550 6,580 36,550 36,550 8,280 36,700 55,470 52,270 53,470 242,480 86,410 442,480	000000000000000000000000000000000000000	1,152,921 114,492 211,554 315,592 30,526 166,823 0 49,500 45,546 354,750 86 47,500	432,964 800,441 1,194,085 115,491 468,23- 1,835,000 998,460 1,724,910 7,155,630 484,990 71,480 96,414 442,480 500,000	5,515,164 547,455 1,011,999 1,509,681 144,022 635,057 Sub Total 0,1,835,000 1,835,000 1,835,000 1,770,459 0,7,710,389 0,7,11,320 0,7,11,320 0,7,1440,52	9,365
N. TULE WO 3-96-9a-3 3-86-9a-4 3-86-9a-1 3-86-9a-2 3-86-9a-2 3-87-9a-2 3-87-9a-2 3-87-9a-1 3-87-9a-1 3-87-9a-1 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3 3-87-9a-3	Corsenie Floor Tile, 300 x300 mm.  Shiri Nosing Certanie Tile Corsenie Floor Tile, 200 x 200 mm. (Nossilip Textore) Corsenie Floor Tile, 200 x 200 mm Corsenie Floor Tile, 200 x 200 mm Corsenie Floor Tile, 200 x 200 mm (Nossilip Textore) Floot Glass H = 100 mm, Raybend (For Wall base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 mm) Water Supply (installation (PVC Pipes D= 19.05 mm) Water Water Installation (PVC Pipes D= 110 mm) PVC Gutter (I/2 D= 110 mm) PVC Gutter (D = 110 mm) Hand Zick (Washinfel) Soup Case Closet Washbalk Roof Drain Floor Drain	m2 m2 m2 m2 m2 su m m pieces pieces pieces	119.33 65.36 32.65 3.16 56.32 50.00 18.00 33.00 229.00 2.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 2,950 0 2,750 1,380 2,750 40 40 0	36,550 6,580 36,550 36,550 8,280 36,700 55,470 52,270 55,470 242,480 86,410 442,460 50,000 60,000	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,592 30,526 166,823 45,406 45,406 45,406 45,406 45,406 46	432,964 800,441 1,194,085 115,491 468,23- 1,835,000 998,461 1,724,910 71,555,93 484,990 71,480 96,414 442,940 500,000 60,000	5,515,164 547,455 1,011,999 1,509,681 144,022 635,057 Sub Total 0,1,835,000 1,835,000	9,365
N. TULE WO S-B6-Bq-4 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-7 S-B7-Bq-7 S-B7-Bq-7 S-B7-Bq-2 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-2 S-B7-Bq-2 S-B7-Bq-2 S-B7-Bq-2 S-B7-Bq-2 S-B7-Bq-2 S-B7-Bq-3	Corsenie Floor Tile, 300 x300 crun.  Sain Nosing Certamic Tile Corsenie Floor Tile, 200 x300 crun. (Nossilip Texture) Corsenie Floor Tile, 200 x 200 crun Corsenie Floor Tile, 200 x 200 crun Corsenie Floor Tile, 200 x 200 crun (Nossilip Texture) Floot Glass H = 100 crun, Reybend (For Well base)  R WORK Water Supply (Installation (PVC Pipes D= 19.05 crun) Waste Water Installation (PVC Pipes D= 110 crun (1*)) PVC Gutter (I/2 D= 110 crun) Hand Zirk (Washinfel) Song Case Closet Washbak Roof Drain Floor Drain Floor Drain Soptio tank	m2 m2 m2 m2 m2 m pieces pieces pieces pieces pieces	119.33 65.83 22.65 31.65 56.52 50.00 18.00 2.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 2,950 0 2,750 1,380 2,750 40 40 40 40 40 40 49,390	36,550 6,580 36,550 36,550 8,290 36,700 55,470 55,470 242,480 71,480 86,410 442,480 50,000 60,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,152,921 114,492 211,534 315,592 30,526 166,823 40,40 354,730 40,733 40,60 40,733 40,60 40,733 40,60 40,733 40,60 40,733 40,60 40,733 40,60 40 40,60 40,60 40 40,60 40,60 40,60 40 40,60 40 40	332,96- 900,441 1,194,085 115,491 115,491 115,491 117,24,91 17,74,91 17,74,91 17,74,91 17,155,00 17,148 18,459 19,6,41 19,6,41 19,6,41 19,6,00 19,6,00 11,289,08	5,515,164 547,456 1,519,681 1,46,02-635,051 Sub Total 1,770,456 0,1,770,456 0,1,770,456 0,1,736,046 0,1,348,046 0,442,520 0,60,00 0,60,00 0,1,338,47	9,365
N. TU.S WO 3-96-9a-3 3-96-9a-4 3-96-9a-1 3-96-9a-2 3-96-9a-7 X.SANITALI 5-97-9a-2 5-97-9a-2 5-97-9a-2 5-97-9a-2 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3	Ceremic Floor Tile, 300 x300 mm.  Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 mm. (Notatip Texture) Ceremic Floor Tile, 200 x 200 mm Ceremic Floor Tile, 2	m2 m2 m2 m2 m2 m m m pieces pieces pieces pieces pieces	119.33 65.36 32.65 3.16 56.32 50.00 18.00 33.00 229.00 2.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 1,380 2,750 40 40 0 0 49,390	36,550 6,580 36,550 36,550 8,280 36,700 55,470 52,270 53,470 52,270 542,480 71,480 50,000 61,530,000 1,289,080	000000000000000000000000000000000000000	1,152,921 11,492 211,534 315,592 30,526 166,823 45,940 354,750 46,623 45,940 45,940 46,940 46,940 46,940	432,964 900,441 1,194,082 115,494 468,23- 1,835,000 998,466 1,724,910 7,155,633 484,996 71,480 96,410 1,242,910 1,442,9	5,515,161 547,456 1,011,999 1,509,681 146,022 635,057 Sub Total 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 0,1,835,000 0,1,835,000 0,1,835,000 0,1,835,000 0,1,338,47	9,365
N. TULE WO S-B6-Bq-3 S-B6-Bq-4 S-B6-Bq-1 S-B6-Bq-1 S-B6-Bq-2 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-1 S-B7-Bq-3 S-B7-Bq-3 S-B7-Bq-8	Corsenie Floor Tile, 300 x300 mm.  Shin Nosing Certamic Tile Corsenie Floor Tile, 300 x300 mm. (Nonsitip Texture) Corsenie Floor Tile, 200 x 200 mm Corsenie Floor Tile, 200 x 200 mm Corsenie Floor Tile, 200 x 200 mm (Nonsitip Texture) Floot Glass H = 100 mm. Raybend (For Wall base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 mm) Wasse Water Installation (PVC Pipes D= 110 mm) PVC Gutter (I/2 D= 110 mm) PVC Gutter (I/2 D= 110 mm) Hand Zink (Washtmfel) Soup Case Closet Washbaik Roof Drain Floor Drain Floor Drain Floor Drain Floor Drain Floor Drain Floor Water Sup Valve Water Stop Valve Beeth Tule (Watertank)	m2 m2 m2 m2 m2 m pieces pieces pieces pieces pieces	119.33 65.86 32.66 3.16 56.52 50.00 18.00 23.00 20.00 1.00 1.00 1.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 0 2,750 40 40 1330 40 0 49,390 0	36,550 6,580 36,550 36,550 36,550 8,280 36,700 55,470 52,270 55,470 242,480 71,480 60,000 60,000 1,289,080 67,530	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,392 30,526 166,823 49,500 45,546 354,756 80 730 40 41,546 41,74	332,964 900,441 1,194,085 115,491 468,23- 1,235,000 998,464 1,724,911 7,155,63 484,99 71,48 1,442,49 1,442,49 1,444	5,515,164 547,454 1,011,999 1,1999,61 146,02- 30b Total 1,835,001 1,835,001 1,770,45 0,771,50 485,04 7,510,389 0,485,04 442,320 0,500,00 0,1338,47 405,18	9,365
N. TU.S WO 3-96-9a-3 3-96-9a-4 3-96-9a-1 3-96-9a-2 3-96-9a-7 X.SANITALI 5-97-9a-2 5-97-9a-2 5-97-9a-2 5-97-9a-2 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3 5-97-9a-3	Ceremic Floor Tile, 300 x300 mm.  Stair Noting Ceremic Tile Ceremic Floor Tile, 300 x300 mm. (Notatip Texture) Ceremic Floor Tile, 200 x 200 mm Ceremic Floor Tile, 2	m2 m m2 m2 m2 m2 m m pieces pieces pieces unit	119.33 63.86 21.97 32.66 3.14 56.33 50.00 18.00 129.00 1.00 1.00 1.00 1.00 6.00		9,660 1,740 9,660 9,660 9,660 2,950 0 2,750 40 40 130 40 0 49,390 0	36,550 6,580 36,550 36,550 36,550 8,280 36,700 55,470 52,270 55,470 242,480 71,480 60,000 60,000 1,289,080 67,530	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,392 30,526 166,823 49,500 45,546 354,756 80 40 40 40 40 40 40 40 40 40 40 40 40 40	332,964 900,441 1,194,085 115,491 468,23- 1,235,000 998,464 1,724,911 7,155,63 484,99 71,48 1,24,911 1,24,911 1,24,98 1,24,911 1,44,17 1	5,515,161 547,456 1,011,999 1,509,681 144,022 635,057 Sub Total 1,035,000 1,047,966 1,770,456 7,7510,388 0,485,044 0,485,040 0,600 0,000 0,1,338,47 0,405,18	9,365
N. TILE WO 3-96-50-4 3-96-50-4 3-96-50-2 3-96-50-2 3-96-50-2 3-96-50-2 3-97-	Corsenic Floor Tile, 300 x300 mm.  Shiri Nosing Certanic Tile Correction Floor Tile, 200 x 200 mm. (Normidip Texture) Correction Floor Tile, 200 x 200 mm. Correction Floor Tile, 200 x 200 mm. (Normidip Texture) Floot Glass H = 100 mm., Raybead (For Wall base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 mm.) Water Supply (installation (PVC Pipes D= 19.05 mm.) PVC Gutter (I/2 D= 110 mm.) PVC Gutter (I/2 D= 110 mm.) PVC Gutter (I/2 D= 110 mm.) Hand Zink (Washturfel) Soup Class Closet Water Sup Valve Beth Tub (Watertank) Kitchen table (Reinforosement Concrete)	m2 m m2 m2 m2 m2 m m pieces pieces pieces unit	119.33 65.86 32.66 3.16 56.52 50.00 18.00 23.00 20.00 1.00 1.00 1.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 0 2,750 40 40 1330 40 0 49,390 0	36,550 6,580 36,550 36,550 36,550 8,280 36,700 55,470 52,270 55,470 242,480 71,480 60,000 60,000 1,289,080 67,530	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,392 30,526 166,823 49,500 45,546 354,756 80 730 40 41,546 41,74	332,964 900,441 1,194,085 115,491 468,23- 1,235,000 998,464 1,724,911 7,155,63 484,99 71,48 1,442,49 1,442,49 1,444	5,515,164 547,454 1,011,999 1,1999,61 146,02- 30b Total 1,835,001 1,835,001 1,770,45 0,771,50 485,04 7,510,389 0,485,04 442,320 0,500,00 0,1338,47 405,18	9,365
N. TILE WO 3-96-50-4 3-96-50-4 3-96-50-2 3-96-50-2 3-96-50-2 3-96-50-2 3-97-	Corsenie Floor Tile, 300 x300 cmm.  Stair Noting Corminie Tile Corsenie Floor Tile, 200 x300 cmm. (Notselip Texture) Corsenie Floor Tile, 200 x 200 cmm. Corsenie Floor Tile, 200 x 200 cmm Corsenie Floor Tile, 200 x 200 cmm (Notselip Texture) Floot Glass H = 100 cmm. Raybend (For Wall base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 cmm) Water Supply (installation (PVC Pipes D= 19.05 cmm) Water Water Installation (PVC Pipes D= 110 cmm) PVC Gutter (1/2 D= 110 cmm) Hand Zink (Washtufel) Soup Case Closet Washbeik Roof Drain Septia taok Water Sup Valve Bath Tild (Watertank) Kitchen table (Reinforosement Concrete)	m2 m m2 m2 m2 m2 m m pieces pieces pieces unit	119.33 65.86 32.66 3.16 56.52 50.00 18.00 23.00 20.00 1.00 1.00 1.00 1.00 1.00 1.00	000000000000000000000000000000000000000	9,660 1,740 9,660 9,660 9,660 2,950 0 2,750 40 40 0 0 49,390 0 200 197,375	36,550 6,580 36,550 36,550 36,550 8,280 36,700 55,470 52,270 55,470 242,480 71,480 60,000 60,000 1,289,080 67,530	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,592 30,526 166,823 49,500 45,540 354,750 36 40 40 47,300 49,300 49,300 40 40 40 40 40 40 40 40 40 40 40 40 4	332,96- 900,441 1,194,085 115,494 115,	5,515,161 547,456 1,011,999 1,509,681 144,022 635,051 Sub Total 1835,000 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 1,835,000 0,1335,000 0,1335,000 0,1335,000 0,1335,000 0,1338,470 0,140,37	9,365
N. TILE WO 3-96-8p-4 3-96-8p-4 3-96-8p-2 3-96-8p-2 3-96-8p-2 3-97-8p-1	Corsenie Floor Tile, 300 x300 cmm.  Shin Nosing Cormic Tile Cornerie Floor Tile, 300 x300 cmm. (Nossilip Texture) Cornerie Floor Tile, 200 x 200 cmm Cornerie Floor Tile, 200 x 200 cmm (Nossilip Texture) Floot Glass H = 100 mm., Raybend (For Wall base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 mm) Water Supply (installation (PVC Pipes D= 19.05 mm) Water Water Installation (PVC Pipes D= 110 cmm) PVC Gutter (1/2 D= 110 cmm) Hand Zick (Washinfel) Soup Case Closet Washbalk Roof Drain Floor Drain Soptic taok Water Sup Valve Bath Tuli (Watertank) Kitchen table (Reinforcement Concrete)  UCAL WORK Lightning Spit Ground Cable D = 12 cmm.	m2 m2 m2 m2 m2 m m pieces pieces pieces pieces unit pieces pieces pieces m	119.33 65.36 32.65 3.16 56.32 50.00 18.00 330,00 129.00 1.00 1.00 1.00 60.00 1.00 5.00 1.00 1.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 9,660 2,950 1,330 2,750 1,330 2,750 40 40 0 0 0 49,390 0 197,315	36,550 6,580 36,550 36,550 8,280 36,700 55,470 52,270 52,270 242,480 71,480 86,410 42,480 50,000 60,000 1,289,080 67,530 2410,900	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,592 30,526 166,823 45,406 45,540 46 46 47 49,500 49,500 49,500 40,61 40,61 40,61 40,61 40,61 40,61 40,61 40,61	332,964 900,441 1,194,085 115,494 468,23- 115,494 15,494 1724,911 7,153,69 484,96 71,496 71,496 71,496 71,496 71,496 71,497 71,47,37 747,37 747,37	5,515,164 547,455 1,011,995 1,509,681 146,02- 635,057 Sub Total 1,835,000 1,835,000 1,877,459 2,710,389 3,710,389 485,040 3,717,459 3,710,389 485,040 3,710,380 485,040 3,1384,470 442,522 0,500,000 1,3384,470 0,405,189 0,400,1380 1,300,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 1,338,470 0,405,189 0,400,300 0,400,3	9,365
N. TUL WO S-06-Bq-3 S-06-Bq-4 S-06-Bq-1 S-06-Bq-1 S-06-Bq-1 S-07-Bq-7 S-07-Bq-7 S-07-Bq-1 S-07-Bq-1 S-07-Bq-1 S-07-Bq-1 S-07-Bq-2 S-07-Bq-3	Corsenic Floor Tile, 300 x300 crun.  Sain Noting Cornenic Tile Cornenic Floor Tile, 300 x300 crun. (Notadip Texture) Cornenic Floor Tile, 200 x 200 crun. Cornenic Floor Tile, 200 x 200 crun Cornenic Floor Tile, 200 x 200 crun Floot Glass H = 100 crun, Raybend (For Well base)  R WORK Water Supply (installation (PVC Pipes D= 19.05 crun) Waste Water Installation (PVC Pipes D= 19.05 crun) Waste Water Installation (PVC Pipes D= 110 crun (1*)) PVC Gutter (1/2 D= 110 crun) Hand Zirk (Washinfel) Song Case Closet Washbak Reof Drain Floor Drain Septic tank Water Sup Valve Bath Tub (Watertank) Kitchen table (Reinferosensent Concrete)  UCAL-WORK Lejtuning Spit Ground Cable D = 12 crut Lightwing Trotection Equipment	m2 m2 m2 m2 m2 m pieces pieces pieces unit pieces pieces mil	119.33 65.38 21.50 32.66 3.14 56.52 50.00 129.00 129.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		9,660 1,740 9,660 9,660 2,950 0 2,750 2,750 40 0 0 40,00 197,375	36,550 6,580 36,550 36,550 8,280 36,700 55,470 55,470 242,480 71,480 50,000 60,000 1,289,080 67,530 140,170 2,410,900	000000000000000000000000000000000000000	1,152,921 114,492 211,534 315,592 30,526 166,823 49,500 45,540 354,750 36 40 40 40 41,340 41,340 42,340 44,0	432,96- 900,441 1,194,085 115,491 115,491 115,491 115,491 117,191 117,	5,515,164 547,456 1,011,999,681 146,022 633,057 Sub Total 1,770,454 0,1770,45	9,365

### Table 4.2.8 (2/5) COST CALCULATION OF HYDRO POWER STATION BUILDINGS CONSTRUCTION COST OF HYDRO POWER STATION BUILDING

ID No.	[sem	18-24		-	Unit Cost	**************************************	····	/A		<del>,</del>	
L		Usit	Quentity	PF/C	IF/C	L/C	PFAC	Cost IF/C	L/C	1	Total
S-D11-Bq-33	Switch	pieces	20.60	Ó	0	21,440	0	جو است کفت انان	428,800	428,800	
S-B11-Bq-34	Well Switch	pecces	5.00	. 0	. 0	21,440	í		457,200		
S-B11-Bq-35	PVC Pipe D = 1.25	at	904.00	0	9,750		ō				
2-911-Bq-36	Meso Panel	pieces	1.00	0	Ó	500,000	ŏ		500,000		
3-B 1-Bq-37	Distribution Panel	pieces	1.00	0	. 0		i		300,000		
S-B11-f3q-38	Outlet Socket 200 W	peces	21.00	0	0	22,420	0	a	470,820		
S-B11-Bc-39	Outlet Socket 400 W	pieces	20.00	0	0	22,420	0	0	448,400		
S-B11-Bq-40	Outlet Socket 1000 W	piaces	5.00	0	0	82,420	0	o o	412,100		
S-B11-Bq-2 S-B11-Bq-1	Installation and Lighting 40W-2 FL	<b>P10000</b>	24.00	. 0	0	233,060	0	0			
S-811-Bq-3	Installation and Lighting 40W-1 FT. Installation and Lighting 20W-1 FT,	Leccor.	29.00	0	C	123,060	0	0	3,713,740	3,713,740	•
3-B11-Bq-41	H 1 x 300 W	Decover	28.00	0	0		0	0	3,025,680	3,025,680	1 .
3-B11-Bq-42	H I x 400 W	pieces	10.00	0	0		0	0			· ·
S-B11-Bq-43	FNB 100 A	pieces	2.00 1.00	0	0		0	0			
S-B11-B0-44	FNB 63 A	pecces	1.00	0	0		0	0			
3-B11-Bq-45	NCB 32 A	pècces	1.00	0	0		0	0			
S-B11-Bq-46	NCB 16 A	pieces	5.00	ő	0		0	. 0			
S-B11-B0-47	NCB 6 A	pieces	8.00	0	. 0		0	0			1
S-B11-Bq-48	Grounding Cable D × 6 mes	m	38.00	0	0		0	0	410,480		1 .
S-B11-Bq-49	Cable NYY 4 x 16 mm	m	40.00	0	0	9,783 62,813	0	0			
S-811-Bq-50	Cable NYM 3 x 4 mm		289.60	. 0	ő	8,657	. 0	0	2,512,533		
S-B11-Bq-51	Cubb ABO ( a o c		1	1	•	0,057	,	,	2,506,971	2,506,971	
S-B11-Bq-52	Cable NYM 3 x 2.5 mm; Cable NYM 2 x 2.5 mm;	100	671.25	. 0	. 0	5,580	. 0	0	3,745,575	3,745,575	1
3-B11-Bq-26	Air Condition (1PK)	m	695.94	9	0	5,983	0	0	4,164,041	4,164,041	1
S-B11-Bq-20	Air Blower (inhouse) 0.5 PK	pioces	4.00	0	. 0	4,057,240	0	0,	16,228,960		
S-B11-Bq-54	Emergency Lamp 20 W	(Jorge) Since	16.00	0	0	531,870	. 0	o o	8,509,920		
S-B11-Bq-55	PASX (20 Output Line)	unit Unit	10.00	0	0	200,000	0	0	2,000,000		
S-B11-Bq-56	Telephone Outlet Switch	Dieces	14.00	0	. 0	, , , , , ,	0	0	5,000,000	.,,	
S-B11-Bq-57	Telephone Cable + Installation	pacca.	280.00	n	0	21,440	0	9	300,160		
ì		-	200.00	"	v	8,307	0	٥	2,325,867		
XIL GLAZING	WORK									Sub Total	107,588,337
8-89-8q-8	Floet Glass H = 5 mm, (Natural Colour)	m2	82,38	0	14,900	36,850	0	1,227,462	3.035.703		l
	Flort Glass 5 mm (Cloudy Glass)	m2	2,88	0	19,820	48,310	٥	57,082	139,133	4,263,165	
S-89-8q-11	Mirror for Lavetory 5 mm	m2	0.72	0	25,030	69,480	o.	18,022	43,546	196,214 61,567	
3.5		1				,	, i	10022	45,40	Sub Total	4,520,947
XIIL PAINTIN		l								540 104a	7,720,74
S-B9-Bq-1	Wall Painting	ns2	2,713.69	0	1,430	8,570	. 0	3,880,577	23,256,323	27,136,900	
3-B9-Bq-15	Wood polytur	102	24.64	. 0	200	20,800	0	4,928	512,512	517,440	
\$-B9-Bq-9	Stairs/Steel Protection Painting	m2	325,80	0	80	7,690	0	26,064	2,505,402	2,531,466	
\$-B9-Bq-18 \$-B9-Bq-3	Gypsum Cornice Painting Colling Painting	- п	114.20	. 0	770	5,450	. 0	87,934	622,390	710,324	
3-D3-C4-3	Control Lance	m2	192.59	9	1,440	8,660	0	277,330	1,667,829	1,945,159	
XIV. STEEL W	ner			1					- '	Sub Total	32,841,289
S-B13-Bq-18	Maintenance Spair				1					1. 1. 1.	
	I-Bourn for Runway Rail	18	331.09	7,133	9	5,742	2,361,665	: 0	1,901,119		
	Runway Rail	ing.	6,750.00	7,133	0	5,742	48,147,750	0	38,758,500	86,906,250	1 1
	Bracket, Holding Plates, Bolt, Nut, etc.	kg kg	2,246.04 810.00	7,133	1 200	5,742	15,021,003	0	12,896,762	28.917,765	
' '	A a	"	810.00	٥	1,300	3,974	0.	1,053,000	3,218,940		
XV. MISCELL	ANEOUS WORK	.	· !	]		.   <b> </b>		]		Sub Total	124,358,739
S-B13-Bq-16	Strainless Steel - Air Duct Head	umát	1.00	n	۵	1,250,000	0		1,250,000	1.760.000	1
	Stainless Steel Cover Enserance Column	51.2	0.24	359,100	ő	126,190	2,240,784	0	787,426	1,250,000 3,028,210	
S-B10-Bq-3	Stranicus Street Hund Rail	10.	27.35	144,220	ő	37,413	3,944,410	ď	1,023,246		
i	<u>Latina kana ara di Baranta kana ara</u>			- 1	1			~1	1,020,240	Sub Total	9,245,866
XVL JURNIT			}	i	- 1	- 1	· [				3,443,800
S-B12-Bq-1	Moeting Room Table	ennist i	1.00	0	0	2,125,000	. 0		2,125,000	2,125,000	, i
S-812-Bq-2	Mosting Room Chair	umit .	6.00	0	٥	200,000	0	o	1,200,000	1,200,000	
S-B12-Bq-3	Office Table	ummit	9.00	0	. 0	500,000	0	0	4,500,000	4,500,000	
5-812-Bq-4	Filing Cabinet	umait .	6.00	0	0	800,000	0	0	4,800,000	4,800,000	
S-812-8q-5 S-812-8q-17	Computer Table Looker Cabinet	जन्म	9.00	0	0	600,000	0	0	5,400,000	5,400,000	
S-B12-Bq-17	Dining Table	tamit	1.00	0	이	2,800,000	0	0	2,800,000	2,800,000	
S-B12-Bq-8	Portable Store	unsak	1.00	0	0	658,333	0	. 0	658,333	658,333	
S-B12-Bq-18	Hot & Cold Disposmer	usent	1,00	. 0	0	500,000	0	0	500,000	500,000	
3-B12-Bq-9	Kitchen Set	Uoit .	1.00	9	0	1,000,000	0	아	1,000,000	1,000,000	
	Office Chair	umit	1.00	. 0	0	1,000,000	0	o,	1,000,000	1,000,000	
S-B17-Bq-10	Sofu	CHEMIT	1.00	9	9	200,000	0	어	200,000	200,000	
	· · · · · · · · · · · · · · · · · · ·	unit	1.00	. 0	9	833,333	O.	이	833,333	833,333	
j					- 1	- 1	ļ	1		Sub Total	25,016,667
		i !			- 1	- 1		. 1			
	<del></del>									Total Cost	1,264,144,00

### Table 4.2.8 (3/5) COST CALCULATION OF HYDRO POWER STATION BUILDINGS

### CONSTRUCTION COST OF GARAGE

	ID No.	Itom	Unit	Quentity	PF/C [	Unit Cost IP/C	L/C	PFAC	Cost IF/C	L/C	ï	oteš
Side State   State Description   Display   D	L EXCAVATIO	N. FILLING, AND GRADING WORK							T			· · <del></del>
Section   Sect				101.36	اه -	, n	160001	0	اه	1.621.760	1.621.760	
13.00.10.10.10.10.10.10.10.10.10.10.10.10.						*1		-	-1			
A	• • •					*1		Υl	71			
FRINDWOM PORT   1970	-131-13Q-4 [S	Sava Lui	m2	21.0/	"	1,040	41,000	9	33,103			2 1 40 62
1312-15    10   10   10   10   10   10   10			1		!	ı			1		200 (00)	3,149,87
1909-15    2000   200					.[				10.000		135,160	
Part   Part			1									
18-19-1-1   18-19-1   18			Lm3					- 1				
182-1592   Direct better 13:00   m3	-B4-Bq-12 (	Concrete K-250	m3	1.92	0	45,870	193,200	0				
BB-Baye   Direct block   1300   0	-B4-Bg-1 S	Steel Bar	Ke	511.12	o	3,350	10,820	0	1.712.252	5,530,318	1,242,570	100
L. MENISTON C. CONTROL T. WORK   13.2   15.2   0   45.70   19.30   0   99.315   4.09.26   5.19.31   15.2   18.4		Brick block 1:3:10		6.40	o	6,960	326,310	0	44,544	2,088,384	2,132,928	
1948-1961   Consent K-750   March 1971   Consent K-750   March 1971   Consent K-750   March 1971   Sept. 19	'		1 .						1		Sub Total	14,277,48
1948-1961   Consent K-750   March 1971   Consent K-750   March 1971   Consent K-750   March 1971   Sept. 19	IL REINFORC	EMENT CONCRETE WORK	1.	1	] [	i						
1948-16-7   Sect De De 12 mm			1113	21.58	l al	45 870	193,209	. 0	989,875	4,169,256	5,159,131	
\$18-89-7    \$20-10 to 10 to			1					0				
23-18-19-3   23-18-19-3   24-					اذا			اه				
State     State   State   State     State   Stat					اد ا			آه				
19.48-19-21   Light Concrete (Concrete 13:5)   eq. 2   20.00   0   30.410   427.790   0   699.40   27.7410   19.48.200   30.1741   69.27   30.1741   30.					. ~1			*				
N. DOCKTICE   WORK   Seed Partial			1		14,740			236,166				
N. DOOPSING WORK   No.	-B4-Bq-Z	Light Concrete (Concrete 1:3:5)	l w2	23,00	약	30,410	422,790	٩	099,430			69.057.0
183-19-12   Stort Parl   Stor	. 1	A Committee of the Comm	1		ļj	1			·		200 TOTAL	06,977,87
183-8p-24   Resing Plate			1 .									
13.50   0   23.000   0   377.000			Kg			- 1		4,826,519				
183-183-183-183-183-183-183-183-183-183-			m2			- 1		0				
183-186-197   183-186-197		Pacing Plate II	ra2	13.00	I of	. 0	29,000	o	. 0	377,000	377,000	
## 13.50   14.000   14.000   12.000   18.040   31.090   31.090   30.000   32.000   35.300   3						26,700		a	3,644,550			
CONCRETE   Flock WORK AND BRIKENWORK   13 /12 briefs think   m3   1.36   0   16,610   348,140   0   22,590   500,670   533,260   533,260   533,260   533,260   533,260   533,260   533,260   533,260   533,270   533,260   533,270   533,2												l e i
			1	1		"	,	"	- ~ ~ 1			25,268,5
\$18-18-p2   Series will breakwest (1-3) / 2 break table   m3   1.36   m3   34.46   m3   33.510   m3   23.570   33.5777   33.	I CONCRETE	RLOCK WORK AND REKKWORK	1	1								
133-154-1   Dirich-wall/brickwork   1310   1/2 brick think   m3   9.84   0   6.950   336,310   0   6.966   3,307,277   337,777   365 Total   3,377,777   3,377,7				1 12	اہا	16410	3,62 1.40		. 22 can	500 670	573.760	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
H. P.L. STEP WORK   Sub-Treat   3,96   Sub-Treat								l l				J. 19 6.
	-B3-Bq-I	Brickwall brickwark 13:10 1/2 brick takes	1 =3	9.84	1 4	9,960	110		08,480			2001.0
## 31-83-9-3			1	1						· ·	ZIID TODAL	3,501,0
838-19-29   Morter pleating 15 am of thickness   1.310   m.2   163.56   0   00   7.200   0   64.924   1,177.821   1,244.096   838-19-49   Vertilitation like for garage   pione   7.00   0   10   15,150   0   70   103.910   105.980   848-19-49   Morter pleating 15 am of thickness   1.2   m.2   17.40   0   9.660   34.50   0   106.940   105.980   848-19-40   Morter pleating 15 am of thickness   1.2   m.2   17.40   0   9.660   24.3421   153.100   103.910   105.980   848-19-40   Morter pleating 15 am of thickness   1.2   m.2   17.40   0   9.660   34.50   0   106.940   35.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   31.570   39.40.04   39.4			1							4.4		
Seb-Bar   Seb-		Morter plantering 15 mm of thickness, 13	m.2		0	900	9,100					
\$83-8-p-2   Self-trep   Self	S-B3-Bq-3	Morter observing 15 mm of thickness, 1:3:10	m2	163.56	. 0	400	7,200	0	65,424	1,177,632	1,243,056	
\$810-0p-20		Morter plantering 15 mm of thickness, 1:2	m2	195.31	0	1,200	10,000	0	234,372	1,953,100	2,187,472	
17.40   0   9,660   36,550   0   168,084   635,970   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   35,870   294,045   31,070			Diegos	7.00	l o		15.130	0	70	105,910	105,980	
Process   Proc												1
MR	J Do Day		_	1		7,000			1			5,709,3
\$388.Bg.4   Aluminism evaluating   m   37.00   0   7.956   67,320   0   294,150   2,000,460   2,790,460   2,790,460   2,790,460   3,780,570   3,878,879,31   586 Pisso   5   52.27   7,133   0   5,742   395,884   0   31,707   7,10958   5.88 Bg.31   5.86 Pisso   5   52.27   7,133   0   5,742   395,884   0   31,707   7,10958   5.88 Bg.31   5.86 Pisso   5   50   27,795   5   57,854   5   52.27   7,133   0   5,742   366,735   0   27,956   5   5,755   5   5   5,755   5   5   5,755   5   5   5,755   5   5   5,755   5   5   5   5   5   5   5   5   5	UIT DOODES A	ND WINDOW WARKS	1		1		1 :					
\$\frac{\text{Sch} \text{Pi}_2.90}{\text{Sch} \text{Pi}_2.90}\$ Setel Flate 0.5 mm  \$\text{log} \text{ sole} \text{ log} \text{ log} \text{ sole} \text{ log}			_	37.00	ا ا	7 050	67 120	ه ا	294 150	2 490 840	2 784 990	
\$388.Bg.31   Seel Dear Dor Frame   \$1   \$281   0   2,430   1,034   0   315,438   1,473,726   1,274,765   2,588.Bg.32   3,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,588.Bg.33   5,589.Bg.34   5,588.Bg.34								-				
SBB Bq.32   Steel Door Frame   SBB Bq.32   Steel Door Frame   SBB Bq.32   Steel Door Frame   SBB Bq.33   Steel Door Frame   SBB Bq.34   SBB Bq.34   SBB B												
\$388-Bq-10 Door Keynel Door Special Door Special Door Special Door Keynel Door Hinge (125 mm) pieces 1.00 0 15,600 45,100 0 10,200 37,650 0 10,200 37,650 0 10,200 37,650 0 10,200 37,650 0 10,200 37,650 0 10,200 37,650 0 10,200 37,650 0 10,200 37,650 0 15,500 \$20						2,430						1.7
Seb B-p-1   Door Hings (12 mm)   piscon   1.00   0   10,970   37,650   0   10,920   37,650   48,70   58B-B-p-1   Door Hings (12 mm)   piscon   9.00   0   1,320   15,950   0   11,380   143,550   58b-Total   51,143,550	S-B8-Bq-32	Steel Door Frame	l bg			0						4.5
S-BS-Bq-10 Door Hings (125 mm) pieces 9,00 0 1,320 15,950 0 11,880 143,550 35,430 36 Total 6.1  YHL GAZING WORK S-B9-Bq-8 Float Clam H = 5 mm, (Natural Colour) m2 4,84 0 14,900 36,850 0 72,116 178,354 290,470 36 Total 2  S-B9-Bq-8 Concrete Pleatering (Fer Floory) m2 233,70 0 1,200 10,000 0 280,440 2,337,000 2,617,440 536-Bq-5 WORK 3-99-bq-10 mm 31,80 0 190 1,300 0 6,042 44,202 36,070 0 6,042 44,202 36,070 0 1,300 0 6,042 44,202 36,070 0 1,300 0 6,042 44,202 36,070 0 1,300 0	S-B8-Bq-33	Door Keys for Steel Door		2.00	0	15,600	45,100	. 0				
Start Name   Sta	S-B8-Bq-9	Espegnolette	pieces	1.00	0	10,920	37,650	0	10,920	37,650	48,570	
VIII. GLAZING WORK   Float Class H = 5 mm, (Natural Colour)   m.2   4.84   0   14,900   36,850   0   72,116   178,354   250,470   3.84   7.84   3.8			Desces	9.00	) 0	1,320	15,950	0	11,880	143,550	155,430	
S-B9-Bg-8   Float Glass H = 5 mm, (Natural Colous)   m2   4.84   0   14,900   36,850   0   72,116   178,354   250,470   250,244   250,2470   250,244   250,2470   250,244   250,2470   250,244   250	•		1	1 :						]	Sub Total	6,194,9
S-B9-Bp-8   Float Glass H = 5 mm, (Natural Colous)   m2   4.84   0   14,900   36,350   0   72,116   178,354   250,470   250,244   36,38-Bp-8   250,470   250,340   2	VIII. GLAZINO	G WORK	i .		1 .		l			1 .		
No.   Process			702	484	ه ا	14900	36.850	0	72.116	178.354	250,470	
No.   No.	u-23-24-0		1 -		1		1	1	1			250,4
S-BB-Bq-S   Concrete Polestring (for Floor)   m2   233.70   0   1,200   10,000   0   280,440   2,237,000   2,617,440   S-B6-Bq-S   Wall Base Morter Fin w/ Waterproof Paint   m   31.80   0   190   1,390   0   6,042   44,202   50,244   S-B Total   2,6   S-B Total	IX FLOOR W	OPK	1			1			l	l		
S-B6-Bq-5 Wall Base Morter Fin w/ Wetersproof Paint			=2	233.70	a 6	1.200	10,000		280,440	2.337.000	2,617,440	l
S. S. NITALE   Work   Solution			1									
S. SANTTARE   WORK   S-807-Bq-1   Water Supply installation (PVC Pipes D=110 nem (1*))   m   50.00   0   36,700   0   73,503   1,433,623   1,537,385   5837-Bq-20   Roof Dain   September   Formation   Formatio	J-20-00-3	THE LIES MOTOR FELW WINDSPOOL PARK		31.8	7 "	150	90ر)	١ '	1 0,042	44,202		2,667,6
S-B7-Bq-2	-	WARK	1	1	1				1 1	1 .	THE LOCK	2,007,0
S-B7-Bq-2 Water Water Installation (PVC Pipes D=110 name (1*)) m 26.75 0 2.750 55.470 0 73.563 1.483.823 1.557.385 2.87-Bq-20 Roof Drain pieces 3.00 0 0 0 50.000 0 0 250,000 250,000 250,000 0 0 250,000 202,590 202,590 202,590 3.8			1				25.700		} .	1995.00	,	J
S-B7-Bq-20 Roof Drain   piscos   5.00   0   0   50,000   0   0   250,000   250,000   250,000   250,000   250,000   250,000   202,590   3.00   0   67,530   0   0   202,590   3.00   3.8						i .			1 .			
S-B1-Bq-8 Water Stop Valve pieces 3,00 0 0 67,530 0 0 202,590 3ab Total 3,8  S-B11-Bq-92 T-Dos S-B11-Bq-95 Lighting Switch (Double) pieces 3,00 0 0 12,500 0 0 250,000 250,000 S-B11-Bq-95 PVC Pipe D = 1,25 ms 12,00 0 9,750 27,790 0 117,000 333,480 450,480 S-B11-Bq-37 Distribution Panel pieces 1,00 0 0 300,000 0 0 300,000 0 300,000 S-B11-Bq-38 Coutet Sectet 200 W pieces 2,00 0 0 223,060 0 0 448,40 44,840 S-B11-Bq-18 Installation and Lighting 40W-1 FL pieces 3,00 0 0 128,060 0 0 364,180 384,180 S-B11-Bq-18 NCB 2 A pieces 1,00 0 0 51,310 0 0 102,620 102,620 S-B11-Bq-48 NCB 2 A pieces 1,00 0 0 51,310 0 0 102,620 102,620 S-B11-Bq-95 Cable NYY 3 x 16 mm m 40,00 0 0 5,983 0 0 371,767 371,767 S-B11-Bq-52 Cable NYY 3 x 2.5 mm m 220,01 0 0 5,983 0 0 131,633 3bb Total 5.  XI PAINTING WORK S-B1-Bq-9 Stairs/Steel Protection Painting m2 77,28 0 80 7,690 0 6,182 594,283 600,466 5bb Total 4,4												
Sub Tokal   3.8			1 .			0			1 0			
X. ELECTRICAL WORK         pieces         20.00         0         12,500         0         250,000         25	S-D7-Bq-8	Water Stop Valve	pieces	3.00	ય ≎	٥	67,530	η . ο	ם וי	202,590		
S-B11-Bq-22   T-Dox			1 .		1	]		l .	1	1	Sub Total	3,844,9
S-B11-Bq-9 Lighting Switch (Double) S-B11-Bq-35 PVC Pipe D = 1.25  S-B11-Bq-35 PVC Pipe D = 1.25  S-B11-Bq-38 Outlet Socket 200 W S-B11-Bq-38 Coulet Socket 200 W S-B11-Bq-18 Lighting 40W-2 FL Picons 2.00 S-B11-Bq-18 Lighting 40W-2 FL Picons 3.00 S-B11-Bq-18 NCB 2 A Picons 3.00 S-B11-Bq			· ·		1	1	i		1	ŀ		
S-B11-Bq-35 PVC Ppe D = 1.25  Ba			pieces									
S-B1 I-Bq-35   PVC Pipe D = 1.25   ms   12.00   0   9,750   27,790   0   117,000   333,490   450,480	S-B11-Bq-9	Lighting Switch (Double)	picces	3.00	0 0							
S-B11-Bq-37   Distribution Panel   pieces   1.00   0   300,000   0   300,000		PVC Pipe D = 1,25	_			9,750			117,000	333,490	450,480	)
S-B11-Bq-28   Cutlet Socket 200 W   prices   2.00   0   0   22,420   0   0   44,840   44,840   S-B11-Bq-2   Installation and Lighting 40W-2 FL   prices   3.00   0   0   23,960   0   0   466,120   466,120   384,180   384,180   384,180   384,180   S-B11-Bq-8   NCB 2 A   prices   2.00   0   0   51,310   0   0   102,620   102,620   S-B11-Bq-47   NCB 6 A   prices   1.00   0   0   51,310   0   0   51,310   0   0   51,31			Discount						) 0	300,000	300,000	ol .
S-B11-Bq-1 [restallation and Lighting 40W-2 FL pieces 3.00 0 0 233,060 0 0 466,120 466,120 S-B11-Bq-1 [restallation and Lighting 40W-1 FL pieces 3.00 0 0 128,060 0 0 384,180 384,180 s-B11-Bq-8 NCB 2 A pieces 2.00 0 0 51,310 0 0 102,620 102,620 S-B11-Bq-47 NCB 6 A pieces 1.00 0 0 51,310 0 0 0 102,620 102,620 S-B11-Bq-48 [Grounding Cable D = 6 mm n 38,00 0 0 9,783 0 0 371,676 371,767 S-B11-Bq-85 Cable NYY 3 x 16 mm n 40,00 0 0 551,73 0 0 22,06,933 S-B11-Bq-51 Cable NYY 3 x 16 mm n 85,05 0 0 55,980 0 0 474,579 474,579 S-B11-Bq-52 Cable NYM 2 x 2.5 mm n 85,05 0 0 5,983 0 0 131,633 Sub Total 5.2 ML PAINTING WORK S-B9-Bq-9 Stairs/Steel Protection Painting m2 20,51 0 1,740 9,060 0 35,687 185,821 221,508 S-B9-Bq-9 Stairs/Steel Protection Painting m2 77,28 0 80 7,690 0 6,182 594,283 600,666 Sub Total 4,4												
S-B11-Bq-51   Installation and Lighting 40W-1 FL   pieces   3.00   0   128,060   0   0   384,180   384,180   S-B11-Bq-58   NCB 2 A   pieces   2.00   0   0   51,310   0   0   102,620   10												
S-B11-Bq-78 NCB 2 A pieces 2.00 0 0 51,310 0 0 102,620 102,620 S-B11-Bq-77 NCB 6 A pieces 1.00 0 0 51,310 0 0 51,310 0 0 51,310									F			
S-B11-Bq-47 NCB 6 A pieces 1.00 0 0 51,310 0 0 51,310 51,310 S-B11-Bq-48 Grownding Cable D = 6 mm m 38.00 0 0 9,783 0 0 371,767 371,767 S-B11-Bq-52 Cable NYY 3 x 16 mm m 40.00 0 0 55,173 0 0 2,206,933 S-B11-Bq-52 Cable NYY 3 x 2.5 mm m 85.05 0 0 5,580 0 0 474,579 474,579 S-B11-Bq-52 Cable NYM 2 x 2.5 mm m 22.00 0 0 5,983 0 0 131,633 Sub Total 5.2 ML PAINTING WORK S-B9-Bq-4 Steef Painting m2 358.64 0 1,430 8,570 0 512,855 3,073,545 3,586,400 S-B9-Bq-9 Stairs/Steel Protection Painting m2 77,28 0 80 7,690 0 6,182 594,283 600,666 Sub Total 4,4												
S-B11-Bq-48 Grounding Cable D = 6 rum												
S-B11-Bq-51 Cable NYY 3 x 16 mm m 40.00 0 0 55,173 0 0 2,206,933 2,206,933 S-B11-Bq-51 Cable NYM 3 x 2.5 mm m 85,05 0 0 5,580 0 0 474,579 474,579 31,673						4						
S-B11-Bq-51 Cable NYM 3 x 2.5 mm m 85.05 0 0 5,580 0 0 474,579 474,579 S-B11-Bq-52 Cable NYM 2 x 2.5 mm m 22.00 0 0 5,983 0 0 131,633 Sub Total 5,2 ML PAINTING WORK S-B9-Bq-1 Wall Paining m2 358.64 0 1,400 8,570 0 512,855 3,073,545 3,586,400 S-B9-Bq-9 Stairs/Steel Protection Painting m2 77,28 0 80 7,690 0 6,182 594,283 600,666 Sub Total 4,4			14									
S-B11-Bq-51 Cable NYM 3 x 2.5 men m	S-811-8q-59	Cable NYY 3 x 16 mm	on.			1 0						
S-B11-Bq-52 Cable NYM 2 x 2.5 mm m ma 22.00 0 0 5,983 0 0 131,633 131,633 Sub Total 5.  XL PAINTING WORK S-B9-Bq-4 Steel Painting m2 358.64 0 1,430 8,570 0 512,855 3,073,545 3,586,400 S-B9-Bq-9 Stains/Steel Protection Painting m2 77.28 0 80 7,690 0 6,182 594,283 600,466 Sub Total 4.	S-B11-Bq-51	Cubio NYM 3 x 2.5 mm	<b>*</b>	85.0	5 0	) (	5,580	) (	) (			9
Sub Total   Sub			- 14						ol			
XL PAINTING WORK   m2   358.64   0   1,430   8,570   0   512,855   3,073,545   3,586,400   5.89-8p-4   Skeel Painting   m2   20,51   0   1,740   9,060   0   35,687   185,821   221,506   5.89-8p-9   Stains/Steel Protection Painting   m2   77,28   0   80   7,690   0   6,182   594,283   600,666   Sub Total   4,188   3,086   3					1 : '	1						5,265
S-B9-Bq-1 Wall Painting m.2 358.64 0 1,430 8,570 0 512,855 3,073,545 3,586,400 S-B9-Bq-9 Steel Painting m.2 20.51 0 1,740 9,060 0 35,687 185,821 221,506 S-B9-Bq-9 Stains/Steel Protection Painting m.2 77.28 0 80 7,690 0 6,182 594,283 600,466 Sub Total 4.		GWORK				1 1 2 1						1
S-B9-Bq-4 Steel Painting m.2 20.51 0 1,740 9,060 0 35,687 185,821 221,508 S-B9-Bq-9 Stains/Steel Protection Painting m.2 77.28 0 80 7,690 0 6,182 594,283 600,466 Sub Total 4.	XL PAINTING		m2	159.6	4 6	1 434	8.57	ا او	0 51285	3,073.54	5 3.586.40	ol
S-B9-Bq-9 Staint/Steel Protection Painting m2 77.28 0 80 7,690 0 6,182 594,283 600,466 Sub Total 4,												
Sub Total 4.	S-B9-Bq-1	Steel Painting		40.0	-1 '	,,,,,,						
	S-B9-Bq-1 S-B9-Bq-4			77.7	el d	չ	വി മഹം	ni .	D( E) e'		11 C^∩ /∠	á!
	S-B9-Bq-1 S-B9-Bq-4			77.2	28 (	8	7,69	D	0 6,182	2 594,28		
Tetal Cest 143:	S-B9-Bq-1 S-B9-Bq-4			77.2	18 (	8	7,69	0	6,18	2 594,28		4,408

### Table 4.2.8 (4/5) COST CALCULATION OF HYDRO POWER STATION BUILDINGS CONSTRUCTION COST OF GUARD HOUSE

ID No.	[tem	Unit	Quantity	No.	Unit Cost			Cost	···	J	Fotel
				PF/C	IF/C	L/C	PEAC	₽/C	l\c_	ļ	······································
	DN. FILLING, AND GRADING WORK	} · _									
	Forth Cut, 1 in depth	m3	22.68	0.	0	16,000	0	0	362,880		1
	Earth Fill (Old) Sand Fill	m3	12.20	0	. 0	7,700	0	0	93,940		
	Sand Fill Under Foundation	20.3 20.3	3.03 2.52	0	1,620	41,800	0	4,909	126,654	131,563	
	San The Charles Constitution	622	2.52	Ů.	1,620	41,800	· ·	4,082	105,336		
IL FOUNDATI	ON WORK									Sub Total	697,80
	Dry Stone Masonry	126.3	3.67	0	2,900	96,000	Û	10,643	352,320	362,963	
	Stone Masonry 1:3:10	m3	7.35	0	9,800	166,600	0	72,030	1,224,510		
S-82-Bq-2	Brick block 1:3:10	na3	2.20	0	6,960	326,310	0	15,312	717,882		
III DEPARADA	CELEBAT CONCENTRE MICEDIA									Sub Total	2,392,69
S-B4-Bq-12	CEMENT CONCRETE WORK Concrete K-250		0.00		46.000					l	
	Stoel Ber Dia, 12 mm	m3 Kg	8.28 1,074.38	0	45,870 1,203	193,200	0	379,804	1,599,696		
	Scaffolding	m2	30.25	14,740	70	9,128 15,630	0 445,885	1,292,479	9,806,941	11,099,420	
-B4-Bq-2	Light Concrete (Concrete 1:3:5)	n3	2.12	17,770	30,410	422,790	443,863	2,118 64,469	472,808 896,315		
							Ť	0.,,,,,,	0,0,0,0	Sub Total	14,960,51
	E BLOCK WORK AND BRICKWORK									I	
-B3-Bq-2	Brickwall/brickwork 1:3 1/2 brick thick	113	1.08	0	16,610	368,140	0	17.939	397,591	415,530	
-83-Bq-1	Brickwall/brickwork 1:3:10 1/2 brick thick	m3	3.58	0	6,960	336,310	0	24,917	1,203,990		
L PLASTER	MUSK.		100		•					Sub Total	1,644,43
	Mortar plastering 15 mm of thickness, 1:3	p=2	22.40	. 0	900	9,100	0	20,160	203,840	224,000	
	Mortar plastering 15 mm of thickness, 1:3:10	m2	36.64	ŏ	400	7,200	0	14,656	263,808		· .
-B3-Bq-5	Morter plastering 15 mm of thickness, 1:2	m2	5.58	ŏ	1,200	10,000	. 0	6,696	55,800		
	Terracota	no 2.	11.70	ŏ	9,660	36,550		113,022	427,635	540,657	
m noona					. !					Sub Total	1,105,61
	ND WINDOW WORKS	1 .				- 1	·	_			
	Aluminium awakening Teskwood Panel	т.	. 33,70	. 0	7,950	67,320	0	267,915	2,268,684		1 4
	Aluminium Door Frame	m2	5.34	0	300	455,700	. 0	1,602	2,433,438	2,435,040	
	Aluminium Sliding-Window Franc	193 223	12.10 28.80	. 0	6,330 6,330	63,540 42,860	0	76,593 182,304	768,834	845,427	· · · · ·
	Door Keys for Aluminium Door	picocs	2.00	ŏ	15,600	48,570	0	31,200	1,234,368 97,140	1,416,672 128,340	
	Door Hings (125 mm)	picous	2.00	ŏ	1,320	15,950	, o	2,640	31,900	34,540	
	Ventilation Hole	Kg	15.00	7,133	ات د	5,742	106,995	7070	86,130		
	Al-Lourre	m2	0.48	. 0	10,200	150,040	0	4,896	72,019	76,915	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
B8-Bq-13	Door Stopper	pieces	1.00	Q	12,480	41,290	0	12,480	41,290		
THE CT ASSESSED	a support	. :	1.	,						Sub Total	7,720,43
III. GLAZING B9-Bq-8	Float Glass H = 5 mm, (Natural Colour)		634		14000	35.050			****		
-	The chart Shan (take a colon)	w2	6.24	٥	14,900	36,850	0	92,976	229,944		~
X INTERIOR	FINISHING									Sub Total	322.92
-B10-Bq-1	Fiber Coment Ceiling, 1200 x 1200 men x 6 mm + Ceiling Frame	m2	12.25	. ` 0	2,220	85,170	. 0	27,195	1,043,333	1,070,528	100
-B10-Bq-2	Wood Cornice	<b>(3</b>	15.90	0	30	4,810	. 0	477	76,479		+ 1 1
TE P SECON										Sub Total	1,147,48
C TILE WORL	Ceramic Floor Tile, 300 x300 mm		10.00		3.50	3					
	Ceramic Floor Tile, 300 x300 mm, (Norsslip Texture)	m2 m2	10.05 18.00	0	9,660 9,660	36,550 36,550	0	97,083	367,328		
	Ceramic Floor Tile, 200 x 200 mm	m2	8.79	o	9,660	36,550	0	173,880 84,911	657,900 321,275		
	Ceramic Floor Tile, 200 x 200 mm (Nonslip Texture)	m2	1.54	ō	9,660	36,550	0	14.876	56,287		
-B9-Bq-7	Float Glass H = 100 mm, Raybund (For Wall base)	m	9.40	0	2,950	8,280	o	27,730	77,832		
T 64 NET 4 E	Trong.				ı	į				Sub Total	1,879,10
IL SANITAIR -B7-Bq-1	Water Supply Installation (PVC Pipes D= 19.05 ann)		04.00				_				
	Waste Water Installation (PVC Pipes D= 110 mm)	m.	24.80 23.60	. 0 0	2,750	36,700 55,470	0	63,250	910,160 1,275,810	910,160 1,339,060i	
	Closet	pieces	1.00	ŏ	730	86,410	o	730	86,410		
	Floor Drain	picces	1.00	ō	0	60,000	ő	0	60,000	60,000	
	Roof Drain	picces	4.00	0.	0	50,000	0	0	200,000	200,000	
	Septic tank	uanit,	1.00	0	49,390	1,289,080	o,	49,390	1,289,080	1,338,470	
	Water Stop Valve Bath Tub (Watertank)	pieces	2.00	0	. 0	67,530	0	0	135,060	135,060	
-57-54-3	CHAIR LOD (WALCHESE)	preces	1.00	uj	200	140,170	0	200	140,170	140,370	
IIL ELECTR	ICAL WORK	1.		- 1			·	1		Sub Total	4,210,20
-B11-Bq-32	T-Dos	pieces	12.00	0	0	12,500	0	0	150,000	150,000	
B11-Bq-9	Lighting Switch (Double)	pieces	2.00	0	0	10,440	0	0	20,880	20,880	
	PVC Pipe D = 1.25	th:	10.00	0	9,750	27,790	0	97,500	277,900	375,400	
	Distribution Panel Outlet Socket 200 W	pacces	1.00	. 0	0	300,000		0	300,000		
	Wall Switch	pieces	1.00	0	. 0	22,420	0	. 0	22,420		
	Installation and Lighting 40W-2 FL	pieces pieces	1.00 1.00	0	0	91,440 233,060	. 0	0	91,440 233,060		
B11-Bq-5	Installation and Lighting 15W-1 FL	pièces	5.00	0	. 0	103,060	0	, , , , , , , , , , , , , , , , , , ,	233,060 515,300		
BII Bq-60	NCB 10 A	pièces	1.00	ő	ŏ	51,310	-	ő	51,310		
	NCB 6 A	pieces	2.00	. 0	ő	51,310		. 0	102,620	102,620	
	Ground Cable D = 12 mm	т	8.00	0	0	32,063	٠ ٥	. 0	256,507	256,507	
	Cable NYY 3 x 16 mm Cable NYM 3 x 2.5 mm	de .	62.50	0	0	55,173	. 0	0	3,448,333	3,448,333	
	Cable NYM 2 x 2.5 mm	ALL CD	23.00 10.00	0	. 0	5,580	0	0	128,340		
		. 4	10.00	띡	۱ ۳	5,983	U	· 비	59,833	59,833 Sub Total	5,755,4
IV. PAINTIN				1	·						,,,,,, <del>,</del>
	Wail Painting	no2	123.40	. 0	1,430	8,570	. 0	176,462			
	Wood polytur	m2	6.60	0	200	20,800	0	1,320	137,280	138,600	
B9-Bq-3	Ceiling Painting	m2 .	12.25	0	1,440	8,660	. 0	17,640	106,085		
1	RE				l	1.				Sub Total	1,496,3
V. FURNITIO				0	0	500,000	. 0		500,000	500,000	· .
	Office Table	umit	1.00								
-B12-Bq-3 -B12-Bq-19	Office Table Office Chair	unit	3.00	0	ő	200,000	. 0		600,000		
B12-Bq-3 B12-Bq-19	Office Table									600,000	
-B12-Bq-3 -B12-Bq-19	Office Table Office Chair	umit	3.00	0		200,000	0		600,000	600,000	
-B12-Bq-3 -B12-Bq-19	Office Table Office Chair	umit	3.00	0		200,000	0		600,000	600,000 833,333	

### Table 4.2.8 (5/5) COST CALCULATION OF HYDRO POWER STATION BUILDINGS

### CONSTRUCTION COST OF EXTERNAL WORK

ID No.	item	Uhit	Quantity		Unit Cost			Cost			n
			·	PF/C	IF/C	∪C	PF/C	IF/C	ĽC	1	[otal
L TEMPORAL	SA MOBR.				T						
5-B14-Bq-1	Uitzet & Bouwplank		11		J						ł
S-B14-Bq-2		m2	192.25	0]	이	3,500	0	0.	672,875	672,875	
	Water & Electricity for Work	I'2	1.00	. 0	0	3,750,000	o	0	3,750,000	3,750,000	ŀ
S-B14-Bq-3	Administration & Documentation	LS	1,60	이	0	2,500,000	ol	o	2,500,000		
	!	į.			1	· · · I	ł			Sub Total	6,922
		l l	i i	1	ļ	1	- 1			SGO TOUR	0,924
IL EXCAVATO	ON FILLING, AND GRADING WORK	ł			i		- 1				
S-B1-Bq-1	Earth Cut, I m depth	m3	9.02	اه :	: 0	16,000	م	ام ا	144,320		
S-B1-Bq-3	Earth Fill (New)	ιm3	17.94	502	495	17,061	9,007	8,888			
\$-B1-Bq-4	Sand Fill	m3	7.20	al	1,620	41,800	9,007	11.664	306,076		
•		,	1.20	۳	1,020	41,800	ď	11,004	300,960		
III. FOUNDAT	TON WORK			j		· i	l			Sub Total	780
S-B4-Bq-2	Light Concrete (Concrete 1:3:5)		اا	.]	1		Ī			1	
S-D2-Bq-2	Brick block 1:3:10	m3	0.14	이	30,410	422,790	이	4,257	59,191	63,448	
S-83-Bq-4	Morter plastering 15 mm of thickness, 1:3	m3	4.44	0	6,960	326,310	0	30,902	1,448,816	1,479,719	
		m2	9.90	이	900	9,100	0]	8,910	90,090	99,000	
S-B9-Bq-1	Wall Painting	m2	9.90	이	1,430	8,570	ol	14.157	84,843		
	1	İ	1 1			1	1			Sub Total	1,642
IV. FENCE W		1	1		.	1			٠.		1,075
\$-B13-Bq-4	Gate	m	8.60	o l	o	65,000		۵	559,000	559,000	
S-B13-Bq-3	Steel Fence	m	11.30	58,367	26,700	145,667	659,543	301,710	1,646,033		
	·		1			110,007	المحردين	301,710	1,040,033		
Y. SANITAIR '	WORK		1 1	. [	. 1		. [	100		Sub Total	3,166,3
S-B7-Bq-13	Drainage U-300	l m	218.50		2,400	36,500	ا ا				
S-B7-Bq-21	Drainage O 300	m	20,00	ő			0	524,400	7,975,250		
5-B7-Bq-12	Drainage Box	pieces	16.00	- 1	5,200	41,900	. 0	104,000	838,000		
S-B7-Bq-22	Stainless Steel Watertank 2000 It			. 0	12,320	134,950	. 0	197,120	2,159,200		
S-84-Bq-14	Concrete for Drainage O-300	unit	1.00	0	이	2,000,000	- 0	0	2,000,000		
S-84-84-15	Concrete Tower for Watertank	m3	0.67	. 100	197,375	2,410,900	67	132,241	1,615,303	1,747,611	
3-84-Bq-4	Steel Bar	m3	3.45	100	205,945	2,136,400	345	710,510	7,370,580	8,081,435	
		Kg	1,766.90	0	3,350	10,820	0	5,919,115	19,117,858		
S-B3-Bq-5	Mortar plastering 15 mm of thickness, 1:2	102	62.97	. 0	1,200	10,000	. 0	75_564	629,700		
S-B9-Bq-1	Wall Painting	m2	62,97	. 0	1,430	8,570	ol	90,047	539,653		
	1	1	1	Į.			- 1		337,403	Sub Total	49,998,9
VI. ELECTRIC			1 1	]		i	. 1			Ann Idea	2,086,5
S-B11-Bq-32	T-Dos	pieces	15.00	- 0	0	12,500	ام	n	187,500	102 000	· ·
5-B11-Bq-61	FL2x40W+Pole	pieces	12.00	112,820	1.540	386,470	1,353,840	- 1			
3-B11-Bq-51	Cable NYM 3 x 2.5 mm	,	260.00	112.020	ر <del>ي-</del> -ر.	5,580	,040 ,040	18,480	4,637,640		
•		1	200	. "	· 'Y	3,360	· V	0	1,450,800		
VIL LANSCAF	TNG			: 1	- 1		- 1			Sub Total	7,648,
-B15-Bq-1	Paving Kansteen (Paving Border)	1 _	150.50				1	7.5			
-B15-Bq-2	Gravel	I m.	150.50	9	이	35,900	0	0	5,402,950	5,402,950	1
-613-69-2 3-815-89-8	,	m3	2.99	. 0	1,360	31,260	. 0	4,066	93,467	97,534	
-D17-DQ-8	Plantation 4	m2	944.49	0	0	15,000	. 0	0	14,167,350		
1	. "		{ : }		. [	ľ	· i	- 1	,	Sub Total	19,667,
			[			1	· 1	· 1		<del></del>	.,,,,,,
		,	4				,				

Table 5.1.1 ANNUAL CONSTRUCTION WORKING RATE BY CONSTRUCTION SCHEDULE OF PACKAGE-1 Construction (April-November)

I. Preparation Works Temporary Construction Road				6 8	11 [2]	3 4 5 6 7 9	9 36 11 32 -1-	0 4 7 3 17 2 6	7   9   0   90   42			
Temporary Construction Road	L.	2				1	2	•	71 II (AT C B	7 7	1 0 0 0	12 1 2 3 4
	Ę	5,670		10%		% 			1			
Aggregate and Batcher Plant	_	-		in %≊ ∰					-	+		Free Float Pass
Other Temporary Escilides	L.S.	-		*08	% 0Z		L V					Critical Pass
2. River Diversion	-	景	Preparation	Excevation		Berg Dieser						
Diversion funnel (2r = 5.60m)	E	<b>1</b>			\$ \$	'n						
Inks & Outlet Excavation & Concrete	L.S.	- T	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	₩ % }		I	O TO TO TO TO TO TO TO TO TO TO TO TO TO			+		
Up/Downstream Coffordan	L.S.		1	-	9 44 52		100				DiCoffer Removal	
3. Zowed Rockfill Dann		# 10 A			H made of the state of		200	14.3			-  -  -	
Excavation	m 174	174,000				100%	-	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7 3 3 3		
Foundation Treatment	╁╴							200		2		
Partit Courses					Service of the servic		%001	200				
	+	1			200		語言	7,000				
Simon Crown	+	32,5				Left ben	Left beuk sidec(1)		Left benk ridge(2)			
CHI MILL OTTOWNER	#	27,800					1					+ + + + + + + + + + + + + + + + + + + +
Embankmed	-	\$02,000			# 19 # 19 # 19 19 19 19 19 19 19 19 19 19 19 19 19	25%	, .	Part   Part	→ 33% → <b>★</b>	- %0+		+ + + + + + + + + + + + + + + + + + + +
Impervious Zone		000,611										
Suni-pervious Zone	m, 82	82,000						<b>'</b>	500/ H	1		
Pervious Zone		900,109								1		
Gallery	_	27	542									
Excavation	Ļ	7,000		-		88.	-	2000				
Concrete	E	0094					20%	%08				
5. Splitmy	1											
Excavation & Embantiment	m) 453	463 500		OVERLIOW & CONTROL ACEN	Page Acer	яIJ	Sulling Bosin	Scilling Baser		Enderdment	mont Spillway Bridge	
Contact Georgian	┿	200		20%		1 \$ 1		1.8%				
Concrete	E 6	3000				Overflow & Control Area		đ	Chute Area & Stilling Basin			
6 Outla Budhida	+	3				38	11 %		35%	36%		
Outlet Towns				+								
	1			+		Prostation Excavation	S					
Lunka Catavana	e ,	393				Ш		3	Conection to P.H.			
Sand Council Type ( $\phi = 1.40 \text{m})$ & Consert	T I'S					-	1	-				
Intake Structure	+	5.5 (3)			#5 25, 93, 45,		Sugare 40%	%09				
Excavation		12,000			60 21 21 21	n Š	100					
Concrete	E	.⊤ .∧ .009't				, 200 V						
Gates & Trash Rack Installation	1.5								1 20%	%S	 []	
7. Plug Work (Concrete & Cuntact Grouting)		\$2 2.	9.5					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10 %8 H	
Diversion Tunnel	8-1	8		+			1 1			-	guipunodul	ding
Coulet Turnet	8					5 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Powerhouse		1				2000				2 2 2	100%	
				-		1001	Excayation	Embanknous	Enthantonera			
EXCAVATION & Embankment	£ (								કે			
Concrete	E						300%					
Plant Installation	L.S.	-			(市) (1) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4			9	65%		100%	
Transmission Line (Foundation)	m 14,0	14,000	46		経れた。			1 21				
Operation Tests	LS.									10%01	- Cry 100	Wet Test
9. Quarry Development & Operation	_			1000								- - 1
Proparation	month	9		2,00.1	-  -  -				1	1		
Development & Operation		32		3%		38%		38%		21%		
16. Batcher and Aggregate Phant				-	展りは強度							
				30%		3%		39%		19%		
	The state of the s	-		200								
Appreciate Plant Owerstion		2		-								

10 11 12 ANNUAL CONSTRUCTION WORKING RATE BY CONSDTRUCTION SCHEDULE OF PACKAGE-2 6 9 1-12-3 12 43 % 8 9 10 \$ 901 3 rd year 5 6 8 **X** 8 8 8 10 11 12 \$ \$ % 28 3 2 nd year 6 7 100 % 8 N 100 % Unit Quantity 1,280 5 5 163 8 82 L.S m<sup>3</sup> S.1 L.S E B B 1.5 3. Dam Management Complex Table 5.1.2 Backilling and Embankment Administration Building Bearing Shoe Installing 2-3 Gate Reconstruction Item 1. Preparation Works Wet Stone Masoury 2. Pedestrian Bridge 2-2 Superstructure External Works Work 2-1 Substructure Reconstruction Access Road Stuff House Scaffolding Excavation Mushola Concrete Concrete Removal Support

### Table 5.2.1 (1/4) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

Component: Construction of Jatibarang Multipurpose Dam

Package-1: Jatibarang Multipurpose Dam including Appurtenant Structures

U) No,	Package-1: Jatibarang Multipurpose Dam including Appurtenant Structures  BQ Item	Unit	Quantity	· · · · · · · · · · · · · · · · · · ·	Unit C	Cost			Cos	;t	
				PF/C	IF/C	L/C	Total	PF/C	IF/C	L/C	Total
JD-81-Bg-L	A. General										
JD-P1-Bq-2	A.1 Mobilisation and Demobilisation	L.S.	l	444,683,400	9,513,900	348,597,800	802,795,100	444,683,400	9,513,900	348,597,800	802,795,100
JD-P1-Bq-3	A.2 Establishment	L.S.	1	7,006,952,496	853,756,602	5,544,010,068	13,404,719,166	7,006,952,496	853,756,602	5,544,010,068	13,404,719,166
JD-P1-Bq-4 JD-P1-Bq-5	A.3 Drawings A.4 Transport Facilities	L.S.		24,855,400	3,000,000	80,256,700	108,112,100	24,855,400	3,000,000	80,256,700	108,112,100
JD-P1-Bq-6	A.4.1 Supply, operation and maintaince of new four-door four-wheel drive station jeep			1 572 200	75.200	2.454.015					·
JD-P1-Bq-7	A.4.2 Supply, operation and maintaince of new station wagon	month month	150 80	4,572,388 1,368,886	75,323 31,053	2,456,045	7,103,757	685,858,250	11,298,500	368,406,750	1,065,563,500
JD-P1-Bq-8	A.4.3 Supply, operation and maintaince of new motor cycle with capacity greater than 100 cc	month	160	335,802	25,613	1,391,463 955,325	2,791,403 1,316.740	109,510,867	2,484,267	111,317,067	223,312,200
JD-P1-Bq-9	B. Water Control	Indicat		333,602	23,013	933,323	1,310,740	53,728,267	4,098,133	152,852,000	210,678,400
JD-P1-Bq-10	B.1 Water Control	L.S.	1	615,848,300	10,886,400	333,325,300	960,060,000	615,848,300	10,886,400	333,325,300	960,060,000
JD-P1-Bq-11	C. Surface Excavation and Earth Works				,,			015,646,500	10,880,400	333,323,300	900,000,000
JD-P1-Bq-12	C.1 Clearing and Grubbing:										
JD-P1-Bq-13	C.1.1 for Areas to be Excavated	m²	320,000	593	9	683	1,285	189,760,000	2,880,000	218,560,000	411,200,000
JD-P1-Bq-14	C.1.2 for Reservoir	ha	70	2,239,000	28,000	2,787,000	5,054,000	156,730,000	1,960,000	195,090,000	353,780,000
JD-P1-Bq-15 JD-P1-Bq-16	C.2 Stripping Top Soil C.3 Surface Excavation:	m²:	320,000	5,560	110	3,720	9,390	1,779,200,000	35,200,000	1,190,400,000	3,004,800,000
JD-P1-Bq-17	C.3.1 for Diversion Facilities (Cofferdam, Upstream and Downstream Portals)		9 000	25 270	120	16.50					
JD-P1-Bq-18	C.3.2 for Embankment Dam	m <sup>3</sup>	8,000 174,000	35,370	420	16,150	51,940	282,960,000	3,360,000	129,200,000	415,520,000
JD-P1-Bq-19	C.3.3 for Gallery	m³	7,000	25,140 70,230	440 680	16,070 30,900	41,650 101,810	4,374,360,000	76,560,000	2,796,180,000	7,247,100,000
JD-PI-Bq-20	C.3.4 for Spillway	m	453,500	27,200	500	17,300	45,000	491,610,000 12,335,200,000	4,760,000	216,300,000	712,670,000
JD-P1-Bq-21	C.3.5 for Inclined Intake Structure	m <sup>3</sup>	11,000	21,440	400	14,510	36,350	235,840,000	226,750,000 4,400,000	7,845,550,000 159,610,000	20,407,500,000 399,850,000
JD-P1-Bq-22	C.3.6 for Hydropower Station	m³	400	22,650	310	13,630	36,590	9,060,000	124,000	5,452,000	14,636,000
JD-P1-Bq-23	C.3.7 for Dam management Complex	m <sup>3</sup>	36,000	19,000	370	12,610	31,980	684,000,000	13,320,000	453,960,000	1,151,280,000
JD-P1-Bq-24	C.4 Exploratory Trench Excavation in Common	m³	6,000	12,680	140	7,860	20,680	76,080,000	840,000	47,160,000	124,080,000
JD-P1-Bq-25	C.5 Exploratory Trench Excavation in Rock	m³	500	20,970	230	13,060	34,260	10,485,000	115,000	6,530,000	17,130,000
JD-P1-Bq-26	C.6 Construction of Common Fill or Backfill	m³	22,000	16,980	320	11,810	29,110	373,560,000	7,040,000	259,820,000	640,420,000
JD-P1-Bq-27	C.7 Construction of Backfill Gravel or Gravel Bedding (Crushed Stone)	m <sup>3</sup>	3,000	15,710	3,250	69,940	88,900	47,130,000	9,750,000	209,820,000	266,700,000
JD-P1-Bq-28	C.8 Clearing Surfaces in Exposed Foundation for Inspection	m²	6,000	36,700	700	59,690	97,090	220,200,000	4,200,000	358,140,000	582,540,000
JD-P1-Bq-29	C.9 Construction of Random Fill for Temporary Cofferdam	- iii	24,000	14,410	330	10,050	24,790	345,840,000	7 020 000	241 200 000	20102000
JD-P1-Bq-30	D. Tunneling		21,000	17,710	330	10,030	24,790	343,640,000	7,920,000	241,200,000	594,960,000
JD-P1-Bq-31	D.1 Underground Excavation :							-		<del> </del>	
JD-P1-Bq-32	D.1.1 for Diversion Tunnel	m <sup>3</sup>	18,300	137,550	380	167,710	305,640	2,517,165,000	6,954,000	3,069,093,000	5,593,212,000
JD-P1-Bq-33	D.1.2 for Outlet Tunnel	m <sup>3</sup>	2,300	165,050	390	194,910	360,350	379,615,000	897,000	448,293,000	828,805,000
JD-P1-Bq-34	D.2 Furnishing and Installing Steel Rib Support and Accessories :								·		
JD-P1-Bq-35 JD-P1-Bq-36	D.2.1 for Diversion Tunnel D.2.2 for Outlet Tunnel	tonne	200	7,067,300	0	551,100	7,618,400	1,413,460,000	0	110,220,000	1,523,680,000
JD-P1-Bq-37	D.3. Production and Placing Shotcrete Lining:	tonne	37	6,946,600	0	541,700	7,488,300	257,024,200	0	20,042,900	277,067,100
JD-P1-Bq-38	D.3.1 for Diversion Tunnel	m <sup>3</sup>	1 900	1 222 500	100 050					1.7.7	
JD-P1-Bq-39	D.3.2 for Outlet Tunnel	, 	1,800 360	1,228,590 1,424,310	138,350 31,650	1,024,330	2,391,270	2,211,462,000	249,030,000	1,843,794,000	4,304,286,000
JD-P1-Bq-40	D.4 Furnishing and Installing Steel Mesh Reinforcement:			1,424,510	31,030	799,100	2,255,060	512,751,600	11,394,000	287,676,000	811,821,600
JD-P1-Bq-41	D.4.1 for Diversion Tunnel	kg	11,400	1,360	1,830	4,520	7,710	15,504,000	20,862,000	51,528,000	87,894,000
JD-P1-Bq-42	D.4.2 for Outlet Tunnel	kg	5,400	1,360	1,830	4,520	7,710	7,344,000	9,882,000	24,408,000	41,634,000
JD-P1-Bq-43	D.5 Furnishing and Installing Rock Bolts:							1,5,7,000		21,100,000	11,051,000
JD-P1-Bq-44	D.5.1 for Diversion Tunnel (25mm dia.)	m	17,400	119,290	380	51,180	170,850	2,075,646,000	6,612,000	890,532,000	2,972,790,000
JD-P1-Bq-45	D.5.3 for Outlet Tunnel (22mm dia.)	m	1,200	48,520	440	16,810	65,770	58,224,000	528,000	20,172,000	78,924,000
JD-P1-Bq-46 JD-P1-Bq-47	E. Drilling and Grouting E.1 Core Drilling (66mm dia.):										
JD-P1-Bq-48	E.1.1 from within Gallary		1 100	571.650							
JD-P1-Bq-49	E.1.2 from Surface	m m	1,200 4,900	571,650 571,760	290 290	186,790	758,730	685,980,000	348,000	224,148,000	910,476,000
JD-P1-Bq-50	E.2 Rotary Drilling Holes for Grouting (46mm dia.):	- "	4,700	3/1,/60	290]	187,040	759,090	2,801,624,000	1,421,000	916,496,000	3,719,541,000
JD-P1-Bq-51	E.2.1 from within Gallary	m	5,200	171,110	140	46,430	217,680	889,772,000	728,000	241,436,000	1,131,936,000
JD-P1-Bq-52	E.2.2 from Surface	m	14,400		140	46,410	217,780	2,465,712,000	2,016,000	668,304,000	3,136,032,000
JD-P1-Bq-53	E.2.3 from Tunnels	in	1,100		150	45,970	219,170	190,355,000	165,000	50,567,000	241,087,000
JD-P1-Bq-54	E.3 Drill set-up for drilling grout hole	No.	4,100	55,160	1,300	63,320	119,780	226,156,000	5,330,000	259,612,000	491,098,000
JD-P1-Bq-55	E.4 Wash and Water pressure testing	No.	4,100	232,290	230	127,260	359,780	952,389,000	943,000	521,766,000	1,475,098,000
JD-P1-Bq-56	E.5 Cement used in Pressure Grouting	tonne	410	7,266,000	113,500	3,638,000	11,017,500	2,979,060,000	46,535,000	1,491,580,000	4,517,175,000
JD-P1-Bq-57 JD-P1-Bq-58	E.6 Fine aggregate used in Pressure Grouting E.7 Hook-up to Holes and Connections for Grouting	tonne	2	6,630	1,490	29,400	37,520	13,260	2,980	58,800	75,040
JD-P1-Bq-59	E.8 Casing Pipe for Pressure Grouting	No.	4,100	1,100	0	5,120	6,220	4,510,000	0	20,992,000	25,502,000
JD-P1-Bq-60	F. Embankment Construction	tonne		6,830,250	0	2,255,000	9,085,250	68,302,500	0	22,550,000	90,852,500
JD-P1-Bq-61	F.1 Dam Embankment Impervious Zone including Contact Slurry and Contact Material	m³	119,000	75,068	1.404	56 225	122 000	9 022 002 000	170 001 000	6 702 266 222	16 01 1001 222
JD-P1-Bq-62	F.2 Dam Embankment in Semi-pervious Zone :	щ	(17,000	73,008	1,496	56,335	132,899	8,933,092,000	178,024,000	6,703,865,000	15,814,981,000
JD-P1-Bq-63	F.2.1 in Upstream Semi-pervious Zone		33,000	97,935	1,953	69,738	160 626	2 221 055 000	64.440.000	2 201 071 000	C #68 ***
JD-P1-Bq-64	F.2.2 in Downstream Fine Semi-pervious Zone	m <sup>3</sup>	24,000	62,884	1,757	55,036	169,626 119,697	3,231,855,000 1,509,216,000	64,449,000	2,301,354,000	5,597,658,000
JD-P1-Bq-65	F.2.3 in Downstream Coarse Semi-pervious Zone	m <sup>3</sup>	25,000	108,080	1,757	69,867	179,748	2,702,000,000	42,168,000 45,025,000	1,321,344,000 1,746,675,000	2,872,728,000
		- · · · · ·	,000	.00,000	1,901	37,007	177,170	4,704,000,000		1,740,073,000	4,493,700,000
JD-P1-Bq-66	F.3 Dam Embankment Pervious Zone :		1000	1						The second secon	and the second s
JD-P1-Bq-66 JD-P1-Bq-67 JD-P1-Bq-68	F.3.1 in Inner Pervious Zone F.3.2 in Outer Pervious Zone including Surface Treatment	m <sup>3</sup>	96,000	54,449	1,076	36,724	92,249	5,227,104,000	103,296,000	3,525,504,000	8,855,904,000

### Table 5.2.1 (2/4) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Y	BQ Item	Unit	Quantity		Unit	Cost		<del></del>	Cos	st	
	<u>L</u>			• [	PF/C	1F/C	I/C	Total	PF/C	IF/C	1/C	Total
JD-P1-Bq-69	F.3.3	in Riprap Zone	1113	10,000	81,593	1,502	54,940	138,035	815,930,000	15,020,000	549,400,000	1,380,350,000
JD-P1-Bq-70	F.4	Special Compaction for Dam Embankment:										
JD-PI-Bq-71	F.4.1	in Impervious Zone Embankment	m³	1,600	82,140	1,630	72,610	156,380	131,424,000	2,608,000	116,176,000	250,208,000
JD-P1-Bq-72 JD-P1-Bq-73	F.4.2	in Upstream and Downstream Semi-pervious Zone Protection and Support of Excavation	m)	3,000	60,990	1,780	54,680	117,450	182,970,000	5,340,000	164,040,000	352,350,000
JD-P1-Bq-74	G.1	Construction of Wet Stone Masonry		500	47,310	15,510	204,920	3/7 310	22 (44 222			
JD-P1-Bq-75	G.2	Construction of Stone Pitched Slope Protection	m'	300	51,610	16,920	223,550	267,740 292,080	23,655,000 15,483,000	7,755,000 5,076,000	102,460,000	133,870,000
JD-P1-Bq-76	G.3	Construction of Cobble Stone Foundation	m³	200	15,340	2,120	45,130	62,590	3,068,000	424,000	67,065,000 9,026,000	87,624,000 12,518,000
JD-P1-Bq-77	<u>G.4</u>	Construction of Mat Gabions	m³	100	666,570	3,060	134,750	804,380	66,657,000	306,000	13,475,000	80,438,000
JD-P1-Bq-78	G.5	Shotcrete Concrete in Surface Excavation including Drain Pipe and Gravel; 10 cm in Thickness	m²	13,000	35,220	10,270	67,930	113,420	457,860,000	133,510,000	883,090,000	1,474,460,000
JD-P1-Bq-79	G.6	Furnishing and Installing Steel Mesh Reinforcement in Surface Excavation	kg	34,000	1,120			6 220	20,000,000			
JD-P1-Bq-80	G.7	Furnishing and Placing Full Face Sodding and Strip Sodding including Maintenance Watering	<u>~s</u>	35,000	2,600	0	5,210 12,110	6,330 14,710	38,080,000 91,000,000		177,140,000 423,850,000	215,220,000 514,850,000
JD-P1-8q-81	G.8	Furnishing and Installing Grouted Anchor Bar including Drilling and Grouting; 25 mm in	m	12,500	55,290	12,160	46,320	113,770	691,125,000	152,000,000	579,000,000	1,422,125,000
JD-P1-Bq-82	н.	Diameter								, , , , , , , , , , , , , , , , , , , ,		1,122,125,000
JD-P1-Bq-83	H.1	Drainage Construction of Surface Drains:							<u> </u>			
JD-P1-Bq-84	H.1.1	Type 1-1 (Wet Stone Masonry)	m	2,700	19,050	8,820	107,090	134,960	51 125 000	22.914.000	200 112 000	261 202 000
JD-P1-Bq-85	H.1.2		m	2,700	13,070	6,420	73,090	92,580	51,435,000 35,289,000	23,814,000 17,334,000	289,143,000 197,343,000	364,392,000 249,966,000
JD-P1-Bq-86	H.1.3		m	80	148,440	63,230	840,110	1,051,780	11,875,200	5,058,400	67,208,800	84,142,400
JD-P1-Bq-87 JD-P1-Bq-88	H.1.4 H.1.5	manufic and the second	m	50	1,531,600	26,950	1,410,760	2,969,310	76,580,000	1,347,500	70,538,000	148,465,500
JD-P1-Bq-89	H.1.6		nı m	420	20,860 288,110	24,000 24,000	73,180 240,740	118,040	8,761,200	10,080,000	30,735,600	49,576,800
JD-P1-Bq-90	H.2	Construction of Catcth Basin (Wet Stone Masonry)	m3	50	52,180	25,470	292,110	552,850 369,760	8,643,300 2,609,000	720,000 1,273,500	7,222,200	16,585,500
JD-P1-Bq-91	I.	Concrete Production and Concrete Construction			325.00		2,72,110	307,700	2,009,000	1,213,00	14,605,500	18,488,000
JD-P1-Bq-92	[.1	Furnishing and Placing PVC Waterstop; 300 mm in Width	m	4,500	95,760	0	16,070	111,830	430,920,000	0	72,315,000	503,235,000
JD-P1-Bq-93 JD-P1-Bq-94	I.2 I.2,1	Furnishing and Installing PVC pipe drains 50 mm dia.: 50 mm in Diameter as Weephole		100	7.500	2 500						
JD-P1-Bq-95	1.2.2		m m	100	7,590 3,300	2,600 4,240	42,870 15,830	53,060 23,370	759,000	260,000	4,287,000	5,306,000
JD-P1-Bq-96	1.3	Furnishing and Installing Perforated PVC Pipe 250 mm dia.	m	900	43,820	58,500	145,670	247,990	49,500 39,438,000	63,600 52,650,000	237,450 131,103,000	350,550 223,191,000
JD-P1-Bq-97	I.4	Furnishing and Installing Perforated PVC Pipe 200 mm dia.	m	300	17,379	23,018	57,965	98,362	5,213,700	6,905,400	17,389,500	29,508,600
JD-P1-Bq-98 JD-P1-Bq-99	I.5 I.5.1	Furnishing and Placing Joint Filler or Joint Sealant:										2,,000,000
JD-P1-Bq-100	I.5.1	Elastic Joint Filler; 10 mm in Thickness Polysulphide Mastic Joint Sealant	m² liter	350 600	7,119	9,075	24,096	40,290	2,491,650	3,176,250	8,433,600	14,101,500
JD-P1-Bq-101	1.5.3	Bitumen-Rubber Mastic Joint Filler (IGAS or equivalent)	liter	6,400	319,410 175,880	0	73,420 27,200	392,830 203,080	191,646,000	0	44,052,000	235,698,000
JD-P1-Bq-102	1.6	Furnishing and Installing Deformed Reinforcement Bars:		0,100	175,500		21,200	203,080	1,123,032,000		174,080,000	1,299,712,000
JD-P1-Bq-103	1.6.1.	in Diversion Tunnel	tonne	290	1,430,200	3,090,000	3,574,640	8,094,840	414,758,000	896,100,000	1,036,645,600	2,347,503,600
JD-P1-Bq-104 JD-P1-Bq-105	1.6.2. I.6.3.	in Spillway in Gallery	tonne	500	1,430,200	3,090,000	3,574,640	8,094,840	715,100,000	1,545,000,000	1,787,320,000	4,047,420,000
JD-P1-Bq-106	I.6.4.	in Hydropower Station	tonne	260 140	1,430,200 1,430,200	3,090,000	3,574,640	8,094,840	371,852,000	803,400,000	929,406,400	2,104,658,400
JD-P1-Bq-107	1.6.5.	in Other Structures	tonne	100	1,430,200	3,090,000	3,574,640 3,574,640	8,094,840 8,094,840	200,228,000 143,020,000	432,600,000 309,000,000	500,449,600 357,464,000	1,133,277,600 809,484,000
JD-P1-Bq-108	I.7	Furnishing and Placing Dowel Bars 25mm dia. including PVC sleeve	tonne	3	1,854,230	3,404,400	5,236,210	10,494,840	5,562,690	10,213,200	15,708,630	31,484,520
JD-P1-Bq-109 JD-P1-Bq-110	1.8	Furnishing and Placing Metal Seals	m_	40	14,240	0	2,890	17,130	569,600	0	115,600	685,200
JD-P1-Bq-111	I.10	Production and Construction of Concrete Type A for Diversion Tunnel Lining Production and Construction of Concrete Type B:	m³	6,800	441,905	102,735	502,762	1,047,402	3,004,954,000	698,598,000	3,418,781,600	7,122,333,600
JD-P1-Bq-112	1.10.1	in Gallery and Entrance	m <sup>3</sup>	5,700	247,040	40,480	315,540	603,060	1,408,128,000	230,736,000	1,798,578,000	2 427 442 000
JD-P1-Bq-113	I.10.2	in Inclined Intake Structure	m <sup>3</sup>	900	237,300	40,190	291,980	569,470	213,570,000	36,171,000	262,782,000	3,437,442,000 512,523,000
JD-P1-Bq-114	1.10.3	in Hydropower Station	m³	4,500	243,120	40,370	310,670	594,160	1,094,040,000	181,665,000	1,398,015,000	2,673,720,000
JD-P1-Bq-115 JD-P1-Bq-116	I.10.4	in Other Structures Production and Construction of Concrete Type C	m <sup>3</sup>	50	282,720	40,820	357,950	681,490	14,136,000	2,041,000	17,897,500	34,074,500
JD-P1-Bq-117	I.12	Production and Construction of Concrete Type D:		120	243,770	40,350	310,950	595,070	29,252,400	4,842,000	37,314,000	71,408,400
JD-P1-Bq-118	1.12.1	in Spillway	m <sup>3</sup>	52,000	220,850	35,590	257,330	513,770	11,484,200,000	1,850,680,000	13,381,160,000	26,716,040,000
JD-P1-Bq-119	I.12.2		m³	1,400	207,230	35,450	237,070	479,750	290,122,000	49,630,000	331,898,000	671,650,000
JD-P1-Bq-120 JD-P1-Bq-121	I.12.3 I.12.4	in Concrete Plug in Diversion Tunnel in Adit	3	1,000	661,290	56,120	741,410	1,458,820	661,290,000	56,120,000	741,410,000	1,458,820,000
JD-P1-Bq-121 JD-P1-Bq-122	1.12.4	in Adit in Other Structures	m³	100	271,360	36,350	338,030	645,740	27,136,000	3,635,000	33,803,000	64,574,000
JD-P1-Bq-123	1.13	Production and Construction of Concrete Type E:	m³	2,500	226,640	35,580	262,170	524,390	566,600,000	88,950,000	655,425,000	1,310,975,000
JD-P1-Bq-124	1.13.1	in Structures	m'	1,000	260,260	33,410	320,200	613,870	260,260,000	33,410,000	320,200,000	613,870,000
JD-P1-Bq-125	1.13.2		_m³	200	194,280	32,360	228,130	454,770	38,856,000	6,472,000	45,626,000	90,954,000
JD-P1-Bq-126	1.14	Furnishing and Installing Precast Prestressed Concrete Beams Spillway Bridge including	L.S.		168,914,300	17,184,300	208,102,100	394,200,700	168,914,300	17,184,300	208,102,100	394,200,700
JD-P1-Bq-127	I.15	Tensioning and Erection Furnishing and Installing Precast Concrete Diaphragms for Spillway Bridge including	L.S.		16 107 000		********					
		Tensioning and Erection	c.s.	"	16,435,200	2,355,700	13,204,100	31,995,000	16,435,200	2,355,700	13,204,100	31,995,000
JD-P1-Bq-128	I.16	Furnishing and Installing Precast Concrete Panels for Spillway Bridge including Erection	L.S.	1	1,795,400	2,188,000	8,020,500	12,003,900	1,795,400	2,188,000	8,020,500	12,003,900
JD-P1-Bq-129	<u>J.</u>	Road Construction		1			2,230,000	,555,750	.,,,,,,,,,	2,100,000	0,020,000	12,003,700
JD-P1-Bq-130 JD-P1-Bq-131	J.1 J.2	Excavation for Road Construction	т.	152,000	19,950	384	15,587	35,921	3,032,445,600	58,383,200	2,369,148,000	5,459,976,800
	J.2 J.3	Placing and Compacting Suitable Fill for Common Embankment Production and Construction of Crushed Stone Sub-Base Course	m³	6,100 7,300	16,540	320	13,460	30,320	100,894,000	1,952,000	82,106,000	184,952,000
ND-61-R0-137		Production and Construction of Penetration Macadam Base Course	m	2,000	133,310 144,750	2,220 27,870	81,560 141,020	217,090 313,640	973,163,000 289,500,000	16,206,000 55,740,000	595,388,000	1,584,757,000 627,280,000
JD-P1-Bq-132 JD-P1-Bq-133	J.4											. 63.1.3801.00N
JD-P1-Bq-133 JD-P1-Bq-134	J.4 J.5	Production and Construction of Hot Asphalt Mix Surface Course, Minimum 50 mm thick	m <sup>2</sup>								282,040,000	
JD-P1-Bq-133			m <sup>2</sup>	17,000	33,710 78,480	2,010 98,310	29,730 152,470		573,070,000 133,416,000	34,170,000 167,127,000	505,410,000 259,199,000	1,112,650,000

### Table 5.2.1 (3/4) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	T	BQ Item	Unit	Quantity		Unit	Cost			Cos	t	** *** *** *** *** *** *** *** *** ***
				j	PF/C	IF/C	I/C	Total	PF/C	IF/C	L/C	Total
JD-P1-Bq-137	K.	Furnishing and Installing Metalwork	<del> </del>									
JD-P1-Bq-138		Miscellaneous Metalwork (Galvanized)	kg	7,000	10,070	0	10,740	20,810	70,490,000	0	75,180,000	145,670,000
JD-P1-Bq-139	K.2	Miscellaneous Metalwork (Painted)	kg	4,500		50	7,150	16,690	42,705,000	225,000	32,175,000	75,105,000
JD-P1-Bq-140	K.3	Miscellaneous Metalwork (Stainless Steel)	kg_	500	31,770	0	9,560	41,330	15,885,000	0	4,780,000	20,665,000
JD-P1-Bq-141 JD-P1-Bq-142	K,4	Miscellaneous Metal Work in Underground Works :	<u> </u>	<b> </b>	5 0 5 7 0 0 0							T 27 V-12
JD-P1-Bq-142 JD-P1-Bq-143	K.4.1 K.4.2	for Diversion Tunnel Plugs (Grout and Cooling Pipes)  for Adit Concrete Filling (Grout Pipes)	L.S.	1	5,867,000	50,400	1,664,900	7,582,300	5,867,000	50,400	1,664,900	7,582,300
JD-P1-Bq-144	I. 8.4.4	Water Control Plant		[ <u>-</u>	10,457,800	89,200	3,265,700	13,812,700	10,457,800	89,200	3,265,700	13,812,700
JD-P1-Bq-145	L,1	Furnishing and Installing Water Control Plant for Outlet Facilities :	-									
JD-P1-Bq-146	L.1.1	Bulkhead Gate; B 2.0 m x H 2.0 m including Gate Guide, Hoist, Air Vent, etc	L.S.	1	1,911,078,800	0	1,124,983,000	3,036,061,800	1,911,078,800	0	1,124,983,000	3,036,061,800
JD-P1-Bq-147	L.1.2	Emergency Water Outlet Gate; B 2.0 m x H 1.65 m including Gate Guide, Lifting Beam, Hoist, etc	L.S.	1	1,616,974,200	0	778,160,000	2,395,134,200	1,616,974,200	0	778,160,000	2,395,134,200
JD-P1-Bq-148 JD-P1-Bq-149	L.1.3 L.1.4	Trash Rack for Bulkhead Gate and Low Water Outlet Gate Outlet Pipe; 1400 mm dia., 650 mm dia. 250 mm including Transition Pipe, Reducer,	L.S.	1	666,213,300 8,386,460,300	0	531,782,000 3,993,334,000	1,197,995,300 12,379,794,300	666,213,300 8,386,460,300	0	531,782,000 3,993,334,000	1,197,995,300 12,379,794,300
		Installation Stand, etc.							-,,,,	1	3,332,231,000	
JD-P1-Bq-150	L.1.5		L.S.		2,362,460,900	0	541,919,000	2,904,379,900	2,362,460,900	0	541,919,000	2,904,379,900
JD-P1-Bq-151	L.1.6 L.1.7		L.S.		864,188,300	0	142,648,000	1,006,836,300	864,188,300	0	142,648,000	1,006,836,300
JD-P1-Bq-152		Operation Room	L.S.		186,680,100	0	55,113,000	241,793,100	186,680,100	0	55,113,000	241,793,100
JD-P1-Bq-153	L.1.8	ultrasonic flow meter	L.S.	1	191,934,500	0	18,754,000	210,688,500	191,934,500	0	18,754,000	210,688,500
JD-P1-Bq-154 JD-P1-Bq-155	L.2 L.2.1	Furnishing and Installing Water Control Plant for Hydropower Station:  Outlet Pipe Comprising 1400 mm dia. Section, 1400 mm to 800mm reducer, and 800mm	L.S.		43,277,400	0	20,050,100	63,327,500	43,277,400	0	20,050,100	63,327,500
		dia. section					,		.5,2,7,100	Ĭ	20,030,100	
JD-P1-Bq-156	L.2.2	Tailrace Gate; B 2.15 m x H 2.075 m including Gate Guide, Hoist, etc	L.S.	1	9,372,500	137,800	10,998,000	20,508,300	9,372,500	137,800	10,998,000	20,508,300
	L.2.3	Drainage Pipe Valve 150 mm dia.	L.S.		4,038,900	36,300	325,600	4,400,800	4,038,900	36,300	325,600	4,400,800
JD-P1-Bq-158 JD-P1-Bq-159	L.3	Furnishing and Installing Flap Gate 600 mm dia. Furnishing and Installing Closure Gate for Diversion Tunnel; B 6.2 m x H 5.8 m including	L.S.		2,504,100	34,100	1,731,500	4,269,700	2,504,100	34,100	1,731,500	4,269,700
3D-1 1-DQ-139	L.4	Gate Guide, etc	L.S.	1	967,584,100	. 0	722,824,800	1,690,408,900	967,584,100	0	722,824,800	1,690,408,900
JD-P1-Bq-160	M.	Instrumentation of Structures	-	<del> </del>					_			
JD-P1-Bq-161	M.i	Supplying and Installing Electrical Piezometer:	1			1	1 1 1 1 1					
JD-P1-Bq-162	M.1.1	in Embankment	No.	20	7,621,260	59,630	1,370,190	9,051,080	152,425,200	1,192,600	27,403,800	181,021,600
JD-P1-Bq-163	M.1.2		No.	4	7,688,380	60,150	1,382,250	9,130,780	30,753,520	240,600	5,529,000	36,523,120
JD-P1-Bq-164	M.2	Supplying and Installing Foundation Deformation Meter (including Drilling and Backfilling Drilled Hole)	No.	1	30,942,090	242,080	5,562,890	36,747,060	30,942,090	242,080	5,562,890	36,747,060
JD-P1-Bq-165	M.3	Supplying and Installing Electrical Tri-axial Joint Meters	No.	2	5,423,100	42,430	975,000	6,440,530	10,846,200	84,860	1,950,000	12,881,060
JD-P1-Bq-166	M.4	Supplying and Installing Probe Extensometer with Magnet/Reed Switch Transducer	No.	1	135,206,900	1,057,800	24,308,100	160,572,800	135,206,900	1,057,800	24,308,100	160,572,800
JD-P1-Bq-167		including Excavating Trench and Constructing Protective Surround	_	· · · · · · · · · · · · · · · · · · ·								
JD-P1-Bq-168 JD-P1-Bq-169	M.5	including Readout Unit Supplying and Installing Strong Motion Accelerograph with Recorder	-	ļ	170 100 500	1 22 1 5 7 2						
JD-P1-Bq-170	M.6	Supplying and Installing Surface Movement Markers:	No.		170,198,600	1,331,550	30,599,000	202,129,150	340,397,200	2,663,100	61,198,000	404,258,300
JD-P1-Bq-171	M.6.1	on Upstream Surface of Embankment Dam	No.	6	190,490	110,660	305,590	606,740	1,142,940	663,960	1,833,540	3,640,440
JD-P1-Bq-172	M.6.2	on Downstream Surface of Embankment Dam	No.	9	96,790	95,270	185,670	377,730	871,110	857,430	1,671,030	3,399,570
JD-P1-Bq-173	M.6.3	on Dam Crest	No.	6	99,060	95,230	179,170	373,460	594,360	571,380	1,075,020	2,240,760
JD-P1-Bq-174	M.6.4		No.	4	99,060	95,230		373,460	396,240	380,920	716,680	1,493,840
JD-P1-Bq-175	M.6.5		No.	3	2,718,900	36,300	306,200	3,061,400	8,156,700	108,900	918,600	9,184,200
JD-P1-Bq-176 JD-P1-Bq-177	M.6.6 M.7		No.	2	44,181,700	589,900	4,974,700	49,746,300	88,363,400	1,179,800	9,949,400	99,492,600
JD-P1-Bq-178	M.8	Supplying and Installing Terminal Box for instruments in gallery Supplying and Installing Digital Readout Unit	No.	$\frac{3}{2}$	18,058,533	0	2,274,400	20,332,933	54,175,600	0	6,823,200	60,998,800
JD-P1-Bq-179	M.9	Supplying and Installing Stand Pipe Piczometer in Borehole	No.	2	14,589,850 20,114,680	0	1,837,550	16,427,400	29,179,700	0	3,675,100	32,854,800
JD-P1-Bq-180	M.10	Supplying and Installing Seepage Measuring Facilities	No.	<del>'</del> 2	46,301,300	0	2,533,360 5,831,450	22,648,040 52,132,750	140,802,760 92,602,600	U .	17,733,520	158,536,280
JD-P1-Bq-181	N.	Generating Plant			10,501,500		3,831,430	72,132,730	92,002,000		11,002,900	104,265,500
JD-P1-Bq-182	N.1	Furnishing and Installing Turbines and Auxiliaries :				-						
1.0 01 0 100	N.1.1	Hydraulic Turbine (Horizontal Francis: 1.630kW, H= 64.3m, O= 3m <sup>3</sup> /s)	Set	l	9,387,200,000	0	1,043,000,000	10,430,200,000	9,387,200,000	0	1,043,000,000	10,430,200,000
JD-P1-Bq-183		Common (Electric common D. 2001 D. 2001)	Set	1								
JD-P1-Bq-184	N.1.2	Governor (Electric governor Dn:30% Dp:60%)										
JD-P1-Bq-184 JD-P1-Bq-185	N.1.2 N.1.3	Inlet Valve (Butterfly or Biplane Valve $\phi$ =0.8m)	Set	<u> </u>								
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186	N.1.2 N.1.3 N.1.4	Inlet Valve (Butterfly or Biplane Valve φ=0.8m) Cooling Water System, if necessary	Set Set	1								· · · · · · · · · · · · · · · · · · ·
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187	N.1.2 N.1.3 N.1.4 N.1.5	Inlet Valve (Butterfly or Biplane Valve $\phi$ =0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.	Set Set Set	1 1								
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-188	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6	Inlet Valve (Butterfly or Biplane Valve φ=0.8m) Cooling Water System, if necessary Drainage & Dewatering System. Oil Storage & Transfer System, if necessary	Set Set Set Set	1 1								
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187	N.1.2 N.1.3 N.1.4 N.1.5	Inlet Valve (Butterfly or Biplane Valve $\phi$ =0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary	Set Set Set Set Set	1 1								
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-188 JD-P1-Bq-189 JD-P1-Bq-190	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7	Inlet Valve (Butterfly or Biplane Valve φ=0.8m) Cooling Water System, if necessary Drainage & Dewatering System. Oil Storage & Transfer System, if necessary	Set Set Set Set Set Lot	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-187 JD-P1-Bq-187 JD-P1-Bq-189 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-191	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8	Inlet Valve (Butterfly or Biplane Valve $\phi$ =0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment	Set Set Set Set Set	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-188 JD-P1-Bq-189 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-192 JD-P1-Bq-193	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10	Inlet Valve (Butterfly or Biplane Valve \$\phi=0.8\text{m}\$)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System	Set Set Set Set Lot Lot	1 1 1 1 1 1 1	513,400,000	0	90,600,000	504.000.000	513.400.000	0	90,600,000	604 000 000
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-188 JD-P1-Bq-189 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-192 JD-P1-Bq-193 JD-P1-Bq-194	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10 N.1.11	Inlet Valve (Butterfly or Biplane Valve \$\phi=0.8\text{m}\$)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System  Furnishing and Installing Generators and Excitation System:	Set Set Set Set Lot Lot Set		513,400,000	0	90,600,000	604,000,000	513,400,000	0	90,600,000	604,000,000
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-188 JD-P1-Bq-189 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-192 JD-P1-Bq-193 JD-P1-Bq-194 JD-P1-Bq-194	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10 N.1.11 N.2 N.2.1	Inlet Valve (Butterfly or Biplane Valve φ=0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System  Furnishing and Installing Generators and Excitation System:  Generator (Horizontal 2MVA 750rpm 6.6kV pf:0.8)	Set Set Set Set Lot Lot Set Set		513,400,000	0	90,600,000	604,000,000 7,652,000,000	513,400,000 6,407,900,000	0	90,600,000	
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-188 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-192 JD-P1-Bq-193 JD-P1-Bq-194 JD-P1-Bq-195 JD-P1-Bq-195 JD-P1-Bq-195	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10 N.1.11 N.2 N.2.1	Inlet Valve (Butterfly or Biplane Valve φ=0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System  Furnishing and Installing Generators and Excitation System:  Generator (Horizontal 2MVA 750rpm 6.6kV pf:0.8)  Excitation System (Brashless exciter & AVR two indoor cubicles)	Set Set Set Set Lot Lot Lot Set Set			0	4.1			0		
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-189 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-191 JD-P1-Bq-193 JD-P1-Bq-193 JD-P1-Bq-194 JD-P1-Bq-195 JD-P1-Bq-195 JD-P1-Bq-196 JD-P1-Bq-197	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10 N.1.11 N.2 N.2.1 N.2.2	Inlet Valve (Butterfly or Biplane Valve φ=0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System  Furnishing and Installing Generators and Excitation System:  Generator (Horizontal 2MVA 750rpm 6.6kV pf:0.8)  Excitation System (Brashless exciter & AVR two indoor cubicles)  Neutral Grounding Cubicle	Set Set Set Set Set Lot Lot Lot Set Set Set Set Set Set			0	4.1			0		
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-188 JD-P1-Bq-189 JD-P1-Bq-191 JD-P1-Bq-191 JD-P1-Bq-193 JD-P1-Bq-194 JD-P1-Bq-194 JD-P1-Bq-195 JD-P1-Bq-197 JD-P1-Bq-197 JD-P1-Bq-197	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10 N.1.11 N.2 N.2.1 N.2.2 N.2.3	Inlet Valve (Butterfly or Biplane Valve φ=0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System  Furnishing and Installing Generators and Excitation System:  Generator (Horizontal 2MVA 750rpm 6.6kV pf:0.8)  Excitation System (Brashless exciter & AVR two indoor cubicles)  Neutral Grounding Cubicle  Spare parts	Set Set Set Set Lot Lot Set Set Lot Set Lot Lot Set		6,407,900,000	0	1,244,100,000	7,652,000,000	6,407,900,000	0	1,244,100,000	604,000,000 7,652,000,000
JD-P1-Bq-184 JD-P1-Bq-185 JD-P1-Bq-186 JD-P1-Bq-187 JD-P1-Bq-189 JD-P1-Bq-190 JD-P1-Bq-191 JD-P1-Bq-191 JD-P1-Bq-193 JD-P1-Bq-193 JD-P1-Bq-194 JD-P1-Bq-195 JD-P1-Bq-195 JD-P1-Bq-196 JD-P1-Bq-197	N.1.2 N.1.3 N.1.4 N.1.5 N.1.6 N.1.7 N.1.8 N.1.9 N.1.10 N.1.11 N.2 N.2.1 N.2.2	Inlet Valve (Butterfly or Biplane Valve φ=0.8m)  Cooling Water System, if necessary  Drainage & Dewatering System.  Oil Storage & Transfer System, if necessary  Compressed Air Supply System, if necessary  Maintenance Tools Machine Shop Equipment  Spare Parts  Instruction of Emplyer's Personnel and Attendance of Employer at Shop Tests  Flow Meter System  Furnishing and Installing Generators and Excitation System:  Generator (Horizontal 2MVA 750rpm 6.6kV pf:0.8)  Excitation System (Brashless exciter & AVR two indoor cubicles)  Neutral Grounding Cubicle	Set Set Set Set Set Lot Lot Lot Set Set Set Set Set Set			0 0	4.1			0		

### Table 5.2.1 (4/4) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

l l		BQ Item	Unit	Quantity		Unit	Cost		·	Cos	it	
					PF/C	IF/C	I./C	Total	PF/C	IF/C	I/C	Total
D-P1-Bq-202	N.4.2	20kV CB Cubicle (une outdoor cubicle 24kV CB, PT, CT, CH)	Set	1	1,026,700,000	0	302,000,000	1,328,700,000	1,026,700,000	0	302,000,000	1,328,700,00
D-P1-Bq-203	N.4.3	6.6kV Cubicle (one outdoor cubicle 6.6 kV DS, PT, CT, CH)	Lot	1	241,600,000	0	60,400,000	302,000,000	241,600,000	0	60,400,000	302,000,00
D-P1-Bq-204	N.5	Furnishing and Installing Indoor Cubicle :	ļ									
D-P1-Bq-205 D-P1-Bq-206	N.5.1 N.5.2	6.6kV CB cubicle (one indoor cubicle VCB 7.2kV 1kA, DS, PT, CT, Ar, CH)	Lot	1	422,800,000	. 0	60,400,000	483,200,000	422,800,000	0	60,400,000	483,200,00
D-P1-Bq-206	N.5.3	Station Tr. Cubicle (one indoor cubicle St.Tr: 6.6/4, 2 150kVA, PF, PT, CT)  DC Supply System (one indoor cubicle, Charger, Inverter, Battery, MCCB)	Lot	1	241,600,000	0	60,400,000	302,000,000	241,600,000	0	60,400,000	302,000,00
D-P1-Bq-208	N.5.4	Switchgear for Krapyak s/s (one indoor cubicle, 24kV CB, PT, CT, CH)	Lot	ļ <del>-</del>	422,800,000	0	60,400,000	483,200,000	422,800,000	0	60,400,000	483,200,00
D-P1-Bq-209	N.6	Furnishing and Installing Control and Protection Equipment (six panels)	Lot		1,026,700,000	0	302,000,000	1,328,700,000	1,026,700,000	0	302,000,000	1,328,700,00
D-P1-Bq-210	N.7	Furnishing and Installing Cables and Fittings:	Lot		2,415,800,000		302,000,000	2,717,800,000	2,415,800,000	0	302,000,000	2,717,800,00
D-P1-Bq-211	N.7.1	20kV Power Cables (CVT 3c 35m)	Lot	ļ <sub>1</sub>	66,400,000		54 400 000	120,000,000	66 400 000			
D-P1-Bq-212	N.7.2	6.6kV Power Cables (CVT 3c 100m)	Lot	1	66,400,000	<u>V</u>	54,400,000 54,400,000	120,800,000	66,400,000	0	54,400,000	120,800,00
D-P1-Bq-213	N.7.3	Low Voltage Cables (PVC-CVV, CVV-S)	Lot	i	72,500,000	<u>-</u>	60,400,000	120,800,000	66,400,000 72,500,000		54,400,000	120,800,00
D-P1-Bq-214	N.8	Furnishing and Installing Ancillary Equipment:		İ	72,550,000		00,400,000	132,900,000	72,300,000		60,400,000	132,900,00
D-P1-Bq-215	N.8.1	Telephone System (PABX 20telephone sets)	Lot	1	48,300,000	0	12,100,000	60,400,000	48,300,000		12,100,000	60,400,00
D-P1-8q-216	N.8.2	Lighting Auxiliary (Lighting fixture Distribution panels conduit wires)	Lot	1	96,600,000	0	24,200,000	120,800,000	96,600,000	<u>-</u>	24,200,000	120,800,00
D-P1-Bq-217	N.9	Furnishing and installing Grounding System	Lot	1	60,400,000	0	60,400,000	120,800,000	60,400,000	0	60,400,000	120,800,00
D-Pl-Bq-218	N.10	Furnishing and Installing Overhead Travelling Crane (15ton, span=9.5m, lift=20m,	Set	. 1	1,159,600,000	0	120,800,000	1,280,400,000	1,159,600,000	0	120,800,000	1,280,400,00
		Hoist=Itonne)									120,000,000	1,200,100,00
D-P1-Bq-219	N.11	Furnishing and installing Transmission Lines:			ļ							
D-P1-Bq-220	N.11.1	Steel Towers (20kV 1cct h=20m)	Set	2	217,441,250	0	362,371,550	579,812,800	434,882,500	0	724,743,100	1,159,625,60
D-P1-Bq-221 D-P1-Bq-222	N.11.2 N.11.3	Concrete Poles (20kV leet h=13m)	No.	280		. 0	4,180,325	7,020,750	795,319,000	0	1,170,491,000	1,965,810,00
D-P1-Bq-222 D-P1-Bq-223	N.11.4	Insulators and Fittings (Suspension : 254mm) Power Conductors (AAAC 120 sq. 14km)	Lot	1	199,314,100	0	181,200,000	380,514,100	199,314,100	0	181,200,000	380,514,10
D-P1-Bq-224	N.11.5	Telecommunication Lines (CCCP-AP-SS-0.65mm-20P)	km	14	7,	0	129,474,000	197,340,000	950,124,000	0	1,812,636,000	2,762,760,00
D-P1-Bq-225	0	Relocation of Power Transmission Line	km	14	27,292,500	0	42,282,500	69,575,000	382,095,000	. 0	591,955,000	974,050,00
D-P1-Bq-226	0.1	Relocation of Power Transmission Line			6 600 000 700	(00.000.000						
D-P1-Bq-227	P.	Miscellaneous Works	L.S.	<u> </u>	6,692,098,700	602,973,000	3,139,545,300	10,434,617,000	6,692,098,700	602,973,000	3,139,545,300	10,434,617,0
D-P1-Bq-228	P.1	Bridge Bearings :				· ·						
D-P1-Bq-229	P.1.1		No.		564,583	062.052	1 100 770	2 2 10 2 2 2				
• •		(400 x 100 x 30)	110.	,	304,363	863,052	1,420,738	2,848,372	3,387,495	5,178,312	8,524,425	17,090,2
D-P1-Bq-230	P.1.2		No.	10	529,780	1,371,142	1 952 102	2.754.410	5 202 000	10 211 115	10.504.045	
		Sheet (400 x100x20)	110.	10	329,780	1,371,142	1,853,492	3,754,413	5,297,800	13,711,415	18,534,915	37,544,13
D-P1-Bq-231	P.2	Bridge Expansion Joints :							···			
D-P1-Bq-232	P.2.1	in Spillway Bridge	L.S.	1	120,600	7,100	123,800	251,500	120,600	7,100	123,800	251.50
D-P1-Bq-233	P.2.2	in Access Road Bridge	L.S.	i	131,600	7,800	135,100	274,500	131,600	7,100	135,100	251,50 274,50
D-P1-Bq-234	P.3	Permanent Electrical Installation :	i			,,000	.55,.00	274,500	151,000	7,800	133,100	2/4,30
D-P1-Bq-235	P.3.1	Gallery and General Lighting Installation	L.S.	1	272,614,000	0	124,228,000	396,842,000	272,614,000	0	124,228,000	396,842,00
D-P1-Bq-236	P.3.2	Power Cables	L.S.	1	5,382,600	. 0	25,082,300	30,464,900	5,382,600	0	25,082,300	30,464,9
D-PI-Bq-237	P.4	Supplying and Installing Submergible Drainage Pumps :	L			* * * * * * * * * * * * * * * * * * * *						
D-PI-Bq-238	P.4.1	Drainage for Gallery; 0.2 m³/min with Automatic Pump Operation System	No.	2	37,692,400	1,328,700	6,818,600	45,839,700	75,384,800	2,657,400	13,637,200	91,679,4
D-P1-Bq-239	P.4.2		No.	2	30,907,100	1,509,900	5,782,800	38,199,800	61,814,200	3,019,800	11,565,600	76,399,6
D-P1-Bq-240	P.5	Reconstruction Wet Stone Masonry Steps to Goa Kreo	L.S.	1	1,740,600	236,800	5,207,200	7,184,600	1,740,600	236,800	5,207,200	7,184,60
D-P1-Bq-241 D-P1-Bq-242	P.6 P.7	Furnishing and Installing Trash Boom in Reservoir including Concrete Anchor Supplying and Installing Reservoir Water Level Sensor with Recorder	L.S.	1	437,500,300	1,500,000	56,247,300	495,247,600	437,500,300	1,500,000	56,247,300	495,247,60
D-P1-Bq-243	P.8	Supplying and installing Reservoir Water Level Sensor with Recorder Supplying and Installing Water Level Staff Gauge:	L.S.	1	211,022,100	1,566,900	27,728,400	240,317,400	211,022,100	1,566,900	27,728,400	240,317,40
D-P1-8q-244	P.8.1	for Reservoir Water Level installed on Inclined Intake Structure		ļ								:
D-P1-Bq-245	P.8.2	for Downstream River Water Level installed on Concrete Wall	No.	1 1	18,722,200	352,600	56,979,000	76,053,800	18,722,200	352,600	56,979,000	76,053,86
D-P1-Bq-246	P.9	Provision of Maintenance Equipment:	No.	<del>                                     </del>	93,620	1,770	284,900	380,290	93.620	1,770	284,900	380,2
D-P1-Bq-247	P.9.1	Patrol Boat with Trailer	No.		160 630 500	2.010.500	10.040.500	100 222 25	160 522 523			
D-P1-Bq-248	P.9.2	Patrol Vihicles (4-WD)	No.		169,620,500 393,225,000	3,019,500	18,343,500	190,983,500	169,620,500	3,019,500	18,343,500	190,983,50
D-P1-Bq-249	P.9.3	Station Wagon	No.	+ - 2	146,055,000	7,000,000 2,600,000	42,525,000	442,750,000	786,450,000	14,000,000	85,050,000	885,500,0
D-P1-Bq-250	P.9.4		No.		457,449,900	8,143,300	15,795,000 49,470,600	164,450,000	292,110,000	5,200,000	31,590,000	328,900,0
D-P1-Bq-251	P.9.5		No.	3	33,985,900	605,000	3,675,400	515,063,800 38,266,300	457,449,900 101,957,700	8,143,300	49,470,600	515,063,80
D-P1-Bq-252	Q.	Building Works		<u> </u>	33,233,300	000,000	3,073,400	30,400,300	101,757,700	1,815,000	11,026,200	114,798,9
D-P1-Bq-253	Q.1	Hydro Power Station (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door & Windows, glazing, miscellaneous metal,	L.S.	1	337,109,400	132,794,200	1,125,069,300	1,594,972,900	337,109,400	132,794,200	1,125,069,300	1,594,972,9
O-P1-Bq-254	Q.2 .	interior finishing, tile, sanitary, electrical and painting works)  Garage (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door & windows, glazing, miscellaneous metal, interior	L.S.	1	8,633,000	3,548,500	45,080,600	57,262,100	8,633,000	3,548,500	45,080,600	57,262,1
)-P1-Bq-255	Q.3	finishing, tile, sanitary, electrical and painting works)  Guard House (including excavation, filling, grading, foundation, reinforced concrete, roofing,	L.S.	1	31,495,000	16,354,100	124 205 189	102.051.200	31 405 000	15 25 122	104 005 100	102.02.
		concrete block, brick, plastering, door & windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)			31,493,000	10,334,100	134,205,100	182,054,200	31,495,000	16,354,100	134,205,100	182,054,2
D-P1-Bq-256	Q.4	External Works (including excavation, filling, grading, foundation, fence, drain cover, flag stone, retaining wall, tree planting, concrete block, plastering, concrete paving, tile, sanitary, electrical and painting works)	L.S.	l	18,074,700	8,156,100	87,526,100	113,756,900	18,074,700	8,156,100	87,526,100	113,756,9

### Table 5.2.2 (1/2) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

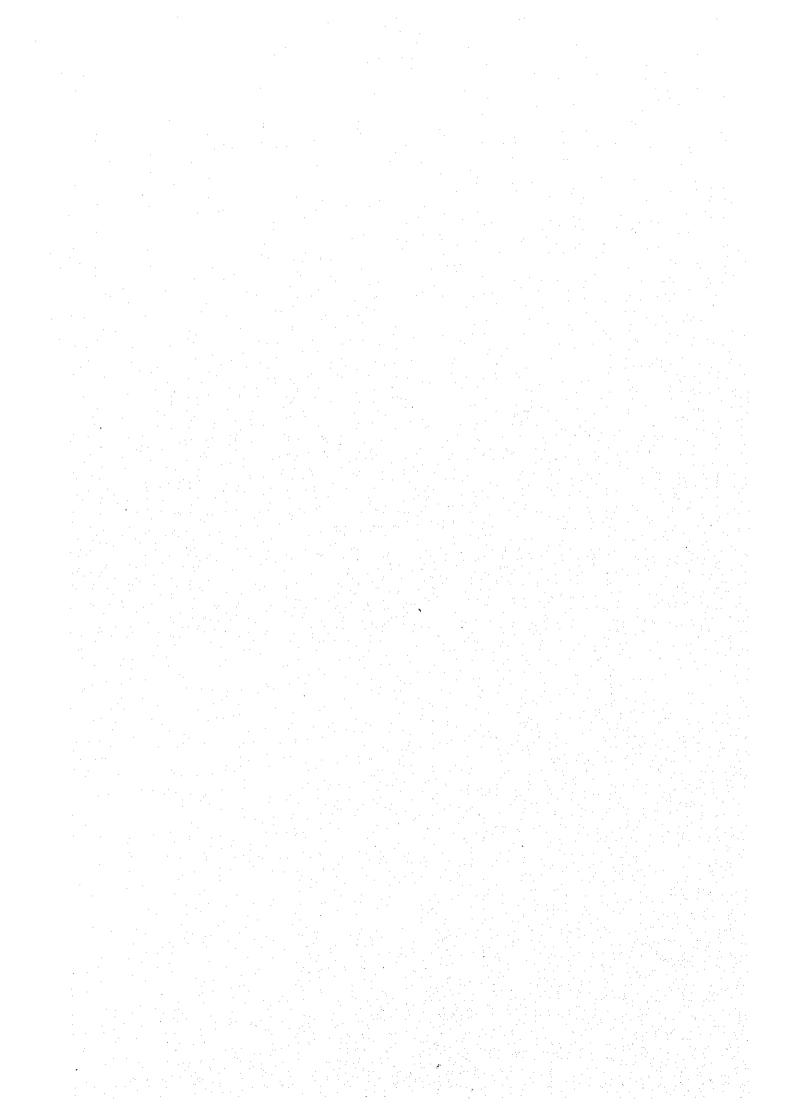
Component : Construction of Jatibarang Multipurpose Dam

Package-2 : Operation and Maintenance Building and Goa Kreo Bridge

	Item					Ur	nit Cost				Cost	
ID. No.	No.	BQ Item	Unit	Quantity	PF/C	IF/C	L/C	Total Unit Cost	PF/C	IF/C	I/C	Total Cost
ID DA D	ļ <u>.</u>											
JD-P2-Bq-1	A	General										
JD-P2-Bq-2	A.1	Mobilization and Demobilization	L.S.	1	40,723,800	760,600	31,727,500	73,211,900	40,723,800	760,600	31,727,500	73,211,900
JD-P2-Bq-3	A.2	Establishment	L.S.	1	24,292,200	7,722,000	103,657,200	135,671,400	24,292,200	7,722,000	103,657,200	135,671,400
JD-P2-Bq-4	A.3	Drawings	L.S.	1	10,590,900	600,000	50,257,900	61,448,800	10,590,900	600,000	50,257,900	61,448,800
JD-P2-Bq-5	A.4	Transport Facilities										
JD-P2-Bq-6	A.4.1	Supply, operate and maintain new four-door four-wheel drive station jee	ł	25	4,502,922	75,323	2,033,215	6,611,460	112,573,042	1,883,083	50,830,375	165,286,500
JD-P2-Bq-7	A.4.2	Supply, operate and maintain new station wagon	months	25	1,368,886	31,053	1,391,463	2,791,403	34,222,146	776,333	34,786,583	69,785,063
JD-P2-Bq-8	A.4.3	Supply, operate and maintain new motor cycle with capacity greater tha	months	25 .	335,802	25,613	955,325	1,316,740	8,395,042	640,333	23,883,125	32,918,500
JD-P2-Bq-9	В	Dam Mangement Complex										
JD-P2-Bq-10		Buildings					· · · · · · · · · · · · · · · · · · ·					
JD-P2-Bq-11	B.1.1	Administration Building (including excavation, filling, grading,	L.S.	- 1	216,239,200	74,916,700	906,148,200	1,197,304,100	216,239,200	74,916,700	906,148,200	1,197,304,100
	. :	foundation, reinforced concrete, roofing, concrete block, brick,										
		plastering, door & Windows, glazing, miscellaneous metal, interior				. •						
	,	finishing, tile, sanitary, electrical and painting works)										
ID D2 D- 12	D 1 0	Checcit 17' 17' Checcit Checci								2.3		
JD-P2-Bq-12	B.1.2	Staff House 1 (including excavation, filling, grading, foundation,	L.S.	1	47,493,200	12,475,000	162,163,900	222,132,100	47,493,200	12,475,000	162,163,900	222,132,100
	*	reinforced concrete, roofing, concrete block, brick, plastering, door										
		& windows, glazing, miscellaneous metal, interior finishing, tile,										
		sanitary, electrical and painting works)										
JD-P2-Bq-13	B.1.3	Staff House 2-1 (including excavation, filling, grading, foundation,	L.S.	1	24.046.000	7 (24 200	27 707 000	100 000 000	24.246.222	<b>7.624.00</b> 0	07 - 27 - 200	
3D 12 Dq-13	D.1.5		L.S.	l l	24,946,800	7,624,300	97,737,800	130,308,900	24,946,800	7,624,300	97,737,800	130,308,900
		reinforced concrete, roofing, concrete block, brick, plastering, door										
		& windows, glazing, miscellaneous metal, interior finishing, tile,										
		sanitary, electrical and painting works)										
JD-P2-Bq-14	B.1.4	Staff House 2-2 (including excavation, filling, grading, foundation,	L.S.	1	24,946,800	7,624,300	97,737,800	130,308,900	24,946,800	7,624,300	97,737,800	130,308,900
`	İ	reinforced concrete, roofing, concrete block, brick, plastering, door	2.0.		2-1,5-10,000	7,024,500	97,737,000	130,300,900	24,540,000	7,024,300	91,131,800	130,300,900
		& windows, glazing, miscellaneous metal, interior finishing, tile,										
		sanitary, electrical and painting works)				• •						* * * * * * * * * * * * * * * * * * * *
		dimenty, ordertour and painting worksy										
JD-P2-Bq-15	B.1.5	Staff House 2-3 (including excavation, filling, grading, foundation,	L.S.	1	24,946,800	7,624,300	97,737,800	130,308,900	24,946,800	7,624,300	97,737,800	130,308,900
		reinforced concrete, roofing, concrete block, brick, plastering, door					1.		,,	,,02,,000	37,707,000	120,200,200
		& windows, glazing, miscellaneous metal, interior finishing, tile,										
		sanitary, electrical and painting works)										
JD-P2-Bq-16	B.1.6	Staff House 2-4 (including excavation, filling, grading, foundation,	L.S.	1	24,946,800	7,624,300	97,737,800	130,308,900	24,946,800	7,624,300	97,737,800	130,308,900
		reinforced concrete, roofing, concrete block, brick, plastering, door										
		& windows, glazing, miscellaneous metal, interior finishing, tile,									:	
		sanitary, electrical and painting works)										
ID DO D- 17	D 1 7		<del> </del>									<u> </u>
JD-P2-Bq-17	B.1.7	Mushola (including excavation, filling, grading, foundation,	L.S.	1	29,248,500	10,630,600	120,312,400	160,191,500	29,248,500	10,630,600	120,312,400	160,191,500
		reinforced concrete, roofing, concrete block, brick, plastering, door										
	•	& windows, glazing, miscellaneous metal, interior finishing, tile,							: 1			
		sanitary, electrical and painting works)										1 3
L	1		1	<u>L</u>	1	the second of						

### Table 5.2.2 (2/2) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

	Item				···	Un	it Cost			·	Cost	Californi (d. 1900) ann an Air Call (d. 1900) an Californi (d. 1900) an Air Call (d. 1900) an Californi (d. 19
ID. No.	No.	BQ Item	Unit	Quantity	PF/C	IF/C	L/C	Total Unit Cost	PF/C	IF/C	L/C	Total Cost
JD-P2-Bq-18	B.2	External Works (including excavation, filling, grading,	L.S.	1	48,002,100	12,019,000	268,964,100	328,985,200	48,002,100	12,019,000	268,964,100	328,985,200
1		foundation, fence, drain cover, flag stone, retaining wall, tree								·		
		planting, concrete block, plastering, concrete paving, tile,							·			
		sanitary, electrical and painting works)				,						
JD-P2-Bq-19	В.3	Power Supply Facilities (including PLN connection to all	L.S.	1	5,382,600	0	25,082,300	30,464,900	5,382,600	0	25,082,300	30,464,900
JD-P2-Bq-20	C	Construction of Approach Bridge to Goa Kreo									мэ,оод,ооо	30,104,200
JD-P2-Bq-21	C.1	Bridge and Approach Road										<del></del>
JD-P2-Bq-22		(Superstructure)										
JD-P2-Bq-23	C.1.1	Concrete, Type B including Formwork, Scaffolding, and Falsework	m <sup>3</sup>	104	794,760	46,160	1,249,600	2,090,520	82,655,040	4,800,640	129,958,400	217,414,080
JD-P2-Bq-24	C.1.2	Deformed Reinforcing Bars	kg	18,680	1,200	2,810	3,620	7,629	22,414,132	52,487,064	67,615,996	142,517,192
JD-P2-Bq-25	C.1.3	Asphaltic Concrete	tonne	25	60,331	19,470	117,591	197,392	1,508,275	486,750	2,939,775	4,934,800
JD-P2-Bq-26	C.1.4	Expansion Joint	m	[1	39,700	58,500	182,950	281,150	436,700	643,500	2,012,450	3,092,650
JD-P2-Bq-27	C.1.5	Hand Rail	kg	500	2,081	1,051	5,065	8,197	1,040,500	525,500	2,532,500	4,098,500
JD-P2-Bq-28	C.1.6	Drain Pipe, PVC Pipe Dia. 100 mm	m	51	4,780	6,730	22,350	33,860	243,780	343,230	1,139,850	1,726,860
JD-P2-Bq-29	C.1.7	Elastomeric Bearing Pad (316 x 316 x 41)	No.	16	347,600	302,000	715,900	1,365,500	5,561,600	4,832,000	11,454,400	21,848,000
JD-P2-Bq-30		(Substructure and Approach Road)						2,500,500	2,201,000	7,052,000	11,454,400	21,040,000
JD-P2-Bq-30.1	C.1.8	Clearing and Grubbing	m <sup>2</sup>	10	3,850	90	3,030	6,970	38,500	900	30,300	69,700
JD-P2-Bq-31	C.1.9	Stripping of Topsoil	m <sup>3</sup>	50	13,330	260	10,420	24,010	666,500	13,000	521,000	1,200,500
JD-P2-Bq-32	C.1.10	Excavation	m <sup>3</sup>	1,130	14,480	270	12,860	27,610	16,362,400	305,100	14,531,800	31,199,300
JD-P2-Bq-33	C.1.11	Backfilling	m <sup>3</sup>	967	9,480	120	7,800	17,400	9,167,160	116,040	7,542,600	16,825,800
JD-P2-Bq-34	C.1.12	Embankment	m <sup>3</sup>	114	24,560	1,210	40,050	65,820	2,799,840	137,940	4,565,700	7,503,480
JD-P2-Bq-35	C.1.13	Concrete, Type C-1 including Scaffolding and Formwork	· m³	163	170,470	42,580	404,870	617,920	27,786,610	6,940,540	65,993,810	100,720,960
JD-P2-Bq-36	C.1.14	Deformed Reinforcing Bars	kg	12,170	1,200	2,810	3,620	7,629	14,602,783	34,195,266	44,051,749	92,849,798
JD-P2-Bq-37	C.1.15	Leveling Concrete, Type E	m <sup>3</sup>	9	74,860	37,740	203,790	316,390	673,740	339,660	1,834,110	2,847,510
JD-P2-Bq-38	C.1.16	Wet Stone Masonry	m <sup>3</sup>	150	38,790	28,800	207,300	274,890	5,818,500	4,320,000	31,095,000	41,233,500
JD-P2-Bq-39	C.1.17	Weep Hole, Dia. 50 mm	No.	70	2,654	909	14,990	18,552	185,769	63,636	1,049,266	1,298,671
JD-P2-Bq-40	C.1.18	Asphaltic Concrete	tonne	19	60,331	19,470	117,591	197,392	1,146,289	369,930	2,234,229	3,750,448
JD-P2-Bq-41	C.1.19	Gravel	m <sup>3</sup>	35	5,830	1,360	34,090	41,280	204,050	47,600	1,193,150	1,444,800
JD-P2-Bq-42		Gate Relocation				7.			20 1,000	17,000	1,1,5,150	1,711,000
JD-P2-Bq-43		Demolition of Existing Gate	L.S.	1	1,450,900	15,800	4,418,000	5,884,700	1,450,900	15,800	4,418,000	5,884,700
JD-P2-Bq-44	C.2.2	Excavation	m <sup>3</sup>	20	14,480	270	12,860	27,610	289,600	5,400	257,200	552,200
JD-P2-Bq-45	C.2.3	Concrete, Type C-1 including Formwork	m <sup>3</sup>	7	110,420	42,390	252,940	405,750	772,940	296,730	1,770,580	2,840,250
JD-P2-Bq-46	C.2.4	Deformed Reinforcing Bars	kg	230	1,200	2,810	3,620	7,629	275,977	646,254	832,531	1,754,762
JD-P2-Bq-47	C.2.5	Wet Stone Masonry Reconstruction	m <sup>3</sup>	10	38,790	28,800	207,300	274,890	387,900	288,000	2,073,000	2,748,900
JD-P2-Bq-48	C.2.6	Stone Block Reconstruction	$m^3$	30	278,170	0	134,800	412,970	8,345,100	0	4,044,000	12,389,100
JD-P2-Bq-49		Existing Building				7			2,2 .2,100	V	.,017,000	12,505,100
JD-P2-Bq-50	C.3.1	Demolition and Reconstruction of Guard House, Mushola, and Toilet	L.S.	1	40,706,200	14,354,600	168,385,300	223,446,100	40,706,200	14,354,600	168,385,300	223,446,100
							·	Total Cost	922,490,714	279,495,930	2,742,841,479	3,944,828,124



### Table 5.2.3 (1/6) ENGINEERING SERVICE COST

### COST FOR ENGINEERING SERVICES ON CONSTRUCTION SUPERVISION SUMMARY

I.	FOREIGN CURRENCY IN YEN		¥458,803,714
	1.1 Remuneration (Professional A)	¥427,630,286	
	1.2 Direct Cost	¥31,173,428	
II.	LOCAL CURRENCY PORTION		Rp.5,662,546,000
	3.1 Remuneration (Professional B)	Rp.2,413,530,000	
	3.2 Direct Cost	Rp.2,821,116,000	
	3.3 Equipment Cost	Rp.427,900,000	
III.	TOTAL (I + II + III)		Rp.33,371,875,539
	Foreign Currency in Yen Local Currency in Rupiah	Rp.27,709,329,539 Rp.5,662,546,000 or equivalent to	¥552,562,645
IV.	PYSICAL CONTINGENCY (10%)		Rp.3,337,187,554
	Foreign Currency in Yen Local Currency in Rupiah	Rp.2,770,932,954 Rp.566,254,600	¥45,880,371
		or equivalent to	¥55,256,265
V.	PRICE CONTINGENCY (F/C 3%, L/c	C 8%)	Rp.1,412,711,923
	Foreign Currency in Yen Local Currency in Rupiah	Rp.914,407,875 Rp.498,304,048	¥15,140,523
		or equivalent to	¥23,391,309
VI.	VAT ( 10% OF III + IV + V )		Rp.3,812,177,502
VII.	TOTAL (III + IV + V + VI )		Rp.41,933,952,517
		or equivalent to	¥694,331,240

Note: Applied Conversion Rate as of July 31, 1999

### Table 5.2.3 (2/6) ENGINEERING SERVICE COST

Breakdown - 1 REMUNERATION FOR PROFESSIONAL-A IN YEN

					3900			2001			2002			2003	<del></del>
Z	No. Designation	M/M	Amount	M/M	Rate	Amount	M/M	Rate	Amount	M/M	Rate (Yeu)	Amount (Yen)	M/M	Rate (Yen)	Amount (Yen)
	1. Teum Leader	57.0	(Yen) 144,818,856	2.0	2,511,600	5,023,200	11.0	2,511,600	27,627,600	11.0	2,511,600	27,627,600	0.0	2,511,600	28,130,152
	2. Road/Bridge Engineer	10.0	19,200,000	0.0	1,920,000	0	2.0	1,920,000	13,440,000	0.0	1,920,000	00	3.0	1,920,000	5,740,000
	3. Mechanical Engineer	10.0	19,200,000	0.0	1,920,000	•	0.0	1,920,000	0	0.0	1,920,000	00	5.0	1,920,000	9,640,000
<u>-</u>	4. Dam Structural Engineer I	41.0	90,948,000	0.0	2,200,000	0	9.0	2,200,000	19,800,000	0.0	2,200,000	24,200,000	7.0	2,200,000	8,840,000 15,718,000
٠,		32.0	62,638,080	0.0	1,920,000	0	0.0	1,920,000	0	0.0	1,920,000	21,120,000	11.0	1,958,400	21,32,400
	6. Architec	16.0	27,200,000	0.0	1,700,000	0	8.0	1,700,000	13,600,000	0.0	1,700,000	00	0.0	1,700,000	00
	7. Contract Specialist	2.0	4,138,300	2.0	2,069,150	4,138,300	0.0	2,069,150	0	0.0	2,069,150	00	0.0	2,069,150	00
· •	8. Electrical Engineer	0.8	16,553,200	0.0	2,069,150	o	0.0	2,069,150	0	0.0	2,069,150	60	0.0	2,069,150 2,110,533	00
	9. Soil & Geotechnical Engineer	19.0	39,313,850	0.0	2,069,150	0	11.0	2,069,150	22,760,650	0.0	2,069,150 2,110,533	8,276,600	4.0 0.0	2,069,150 2,110,533	8,276,600
	11. Cost Estimator //Construction Planner	2.0	3,620,000	2.0	1,810,000	3,620,000	0.0	1,810,000	0	0.0	1,810,000	00	0.0	1,810,000	00
	Total	197.0	427,630,286	6.0		12,781,500	46.0		97,228,250	37.0		81,224,200	45.0		97,87,152

Note: Monthly rate of remuneration will be escalated after first 2 years services from the date of commencement. Experience Year of each engineer is assumed from similar project

Table 5.2.3 (3/6) ENGINNERING SERVICE COST

Breakdown - 2 REMUNERATION FOR PROFESSIONAL-B IN RUPIAH

Nat.   Lance   Mar.   Lance   Lance   Lance   Mar.   Lance	2005	Rate Amount (Rp.) (Rp.)	10,000,000	7,500,000	7,500,000	000,000,7	7,959,060	7,500,000 6,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,000,000	7,000,000	7,500,000	
Total   MAN		W/W		·····							000					
Total   MMY   Amount   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY   But   MMY	٠	Amount (Rp.)	122,400,00	22,956,00	00'000'5\$	76,500,00	78,030,00					00'000'09			37,500,002	
MM	2064	Rate (Rp.)	10,000,000	7,500,000	7,500,000	7,500,000	7,803,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,000,000	7,000,000	7,500,000	
MMM   Amount   MMM   Bair   Manual   MMM   Bair   Manual   MMM   Bair   MMM   Bai		MA	0.0	3.0	0.0		0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0 0.0	
MMM   Amount   MMM   Rut   Rut   Rut   Rut   Rut   Rut   Rut   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   Rut   Amount   MMM   Rut   R		Amount (Rp.)	0 122,400,000	52,509,000	82,500,000	15,000,000	15,300,000	00	75,000,000	000'056'ZZ	00	-00	90	30	37,500,000	
MMM	2603	Raste (Rp.)	10,000,000	7,500,000	7,500,000	7,500,000	7,650,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,000,000	7,000,000	7,500,000	
MAIN		MM	0.0	7.0	0.0	2.0		0.0	10.0	9.0	0.0	0.00	0.0	0.0	0.0	
Middle   Marchael   Middle		Amount (Rp.)	110,000,000	\$2,500,000	00	82,500,000	82,500,000	00	82,500,000	75,000,000	67,500,000	00	00	00	68	
MANK   Amount   MANK   Rute   Amount   MANK   MA	2002	Rate (Rp.)	10,200,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,000,000	7,000,000	7,500,000	
MANK   Amonest   MANK   Rate   Americant   MANK   Rate   MANK		MM	0.10	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
Total   Amount   MAM   Rate   Amount   MAM   MAM   Rate   Amount   MAM   Gap.)   Gap		Amount (Rp.)	110,000,000	45,000,000	8	82,500,000	82,500,000	•	22,500,000	82,500,000	22,500,000	000'000'09	8	•		
Tools   AMAK	2001	Rate (Rp.)	10,000,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,000,000	7,000,000	7,500,000	
Total   Amount   MAM   Rate   Amount   MAM   Rate   Amount   MAM   Rate   Amount   MAM   Rate   Amount   MAM   Mate   Macount   MAP   Mate   Macount   MAP   Mate   Macount   MAP   MAP   Mate   Macount   MAP		M/M	11.0	909	0.0	11.0	0.11	0.0	3.0	11.0	3.0	8.0	0.0	0.0	0.0	
#### Amonant MM#  #### Amonant MM#  #################################		Amount (Rp.)	20,000,000	•	•	•	•	<del>-</del> 8	0	22,500,000	•	8	21,000,000	21,000,000	٥	
### Trons   MAM	2000	Rate (Rp.)	10,000,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,000,000	7,000,000	7,500,000	
MMM MMM		MAA			: ' '											
MANK  6500  1100  120  120  120  120  120  120		Amount (Rp.)	607,200,000	233,550,000	127,500,000	325,350,000	327,180,000	67.500,000	187,650,000	2) 0,600,000	000'000'08	120,000,000	21,000,000	21,000,000	75,000,000	
Designation ender prefequence l'Engineer trant Engineer trant Engineer acut Engineer loor loor to Planner tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter tranter	To	MUM	0.09	31.0	17.0	43.0	43.0	0.6	25.0	0.80	12.0	16.0	3.0	3.0	10.0	
Co-Tearn I Rout/Brid Mochanica Dan Struct Dan Struct Dan Struct Dan Struct Dan Struct Dan Struct Can Mocha Acchine Contraction Contraction Hydro Pow	Designation		Co-Team Leader	Roud/Bridge Engineer	Mochanical Engineer	Dum Seructural Engineer !	Dan Structural Engineer II	Electrical Engineer	Soil Mechanical Engineer	Geotochnical Engineer	Turnel Engineer	rebitec '	Cost Estimator	Construction Planner	Hydro Power Enganear	

Note: Monthly rate of remuneration will be escalated after fast 2 years services from the taste of commencement

# Table 5.2.3 (4/6) ENGINEERING SERVICE COST

Breakdown - 4 SALARY FOR LOCAL EMPLOYEES

No. Designation	M/M	Rate	Amount	Remarks
I. Office Staff				
1. Office Manager	0.09	Rp2,000,000	Rp120,000,000	
2. Bilingual Secretary	0.09	Rp1,500,000	Rp90,000,000	
3. Treasurer	0.09	Rp1,500,000	Rp90,000,000	
4. Computer Operator	0.09	Rp750,000	Rp45,000,000	
6. Draftsman	0.09	Rp1,500,000	Rp90,000,000	
8. Janitor	0.09	Rp500,000	Rp30,000,000	
10. Watchman	0.09	Rp500,000	Rp30,000,000	
Sub-total	420.0		Rp495,000,000	
II. Assistant Site Engineer				
1. Assistant Site Engineers for Package-1	0.0	Rp2,100,000	Rp0	Rp0 1 Engrs.x 60 months
2. Assistant Site Engineers for Package-2	0.0	Rp2,100,000	Rp0	1 Engrs.x 60 months
Sub-total	0.0		Rp0	
Total	420.0		Rp495,000,000	

## Table 5.2.3 (5/6) ENGINEERING SERVICE COST

Breakdown - 5 REPORT AND REPRODUCTION COSTS

No.	Unit Q'ty		Unit Price	Amount	Remarks
		<b>)</b>	(Rp.)	(Rp.)	
Pre-construction Stage					
1. Monthly Report	copies	006	20,000	45,000,000	45,000,000 60 months x 15 copies/months
(Pre-construction & Construction Stage)					
2. Quarterly Report	copies	285	50,000	14,250,000	14,250,000 15 copies x 19 times
3. Design Review Report	copies	15	500,000	7,500,000 15 copies	15 copies
4. Updated Tender Documents	copies	120	145,000	17,400,000	17,400,000 15 copies x 2 packages x 4 vol.
(2 packages)					
5. Tender Evaluation Report	copies	30	100,000	3,000,000	3,000,000 15 copies x 2 packages
(7 packages)					
Construction Stage					
6. O/M Manual	copies	15	150,000	2,250,000 15 copies	15 copies
7. Service Completion Report	copies	15	150,000	2,250,000	15 copies
8 Reproduction of Reports/	months	09	250,000	15,000,000	
Documents					
Total				106,650,000	

#### Table 5.2.3 (6/6) ENGINEERING SERVICE COST

Breakdown - 6 EQUIPMENT COST

<b>Item</b>	Unit	Unit Cost (Rp.)	Q'ty	Amount (Rp.)	Remarks
I. Office Furniture					0 :
(1) Working Desk w/ Chair	set	1,000,000	0		0
	set	850,000	0		0
(2) Meeting Desk	set	1,500,000	0		0
(3) Drafting Table w/ Chair	set	7,800,000	0	·	0
(4) Pipe Chair	set	105,000	0		0
(5) File Cabinet	set	850,000	0		0
(6) Drawing Cabinet	set	4,500,000	0		0
(7) Steel Cupboard	set	1,000,000	0		0
(8) Bookshelf	set	450,000	0		0
II. Office Equipment				408,100,	
(1) Personal Computer (Desktop)	set	14,000,000	4	56,000,0	000
	set	25,000,000	0		0
(2) Personal Computer (Lap Top)	set	25,000,000	4	100,000,	
(3) Laser Printer (A3 size)	set	22,500,000		22,500,	
(4) Photocopy Machine w/ accessor	ies set	27,000,000		27,000,	
(5) Digitizer (Plotter, A3 size)	set	32,500,000		32,500,	
(6) Stabilizer	set	1,250,000		5,000,	
(7) Telephone w/ accessories	set	15,000,000		15,000,	
(8) Facsimile w/ accessories	set	3,600,000		3,600,	
(9) SSB Radio Communication System		40,000,000		40,000,	
(10) Emergency Power Source (UPS		4,000,000		4,000,	
(11) Generator Set	set	50,000,000		50,000,	and the second of the second o
(12) A-1 Laser Plotter	set	52,500,000	. 1	52,500,	000
III. Others				19,800,	.000
(1) Drafting Instrument Set	set	1,500,000	ı	1,500,	000
(2) Electric Planimeter	set	5,000,000	2	10,000,	ear to a
(3) White Board (900mmx1800mm	) set	500,000	1	500,	
(4) White Board (600mmx900mm)	set	300,000		300,	
(5) Compact Camera	set	2,500,000	3	7,500	,000
	· · · · · · · · · · · · · · · · · · ·				
Total				427,900,	000

Note: Prices of Imported Equipment will be adjusted in accordance with exchange rate among Yen, US\$ & Rp. The unit cost of the above table is based on the exchange rate dated on 21 Sep. 1998.

Specifications stated in Remarks are for reference only, subject to change on the basis of offer.

# Table 5.2.4 (1/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

### BREAKDOWN OF COST FOR ENGINEERING SERVICES

¥458,803,714

¥427,630,286

¥31,173,428

FOR	REIGN	CURRENCY POF	RTION IN	I YEN	1					
1	Rem	uneration						•		į
		essional A; Breakdown -1)					197.0	M/M		¥427,630,286
2	Direc	ct Cost	÷							
2.1	Inte	ernational Travel Cost								¥31,173,428
	(1)	Air Fare (round trip, basis, IATA rate, sul			actual				¥24,400,000	
		Engineer (TKY-JK7 ¥400,000		5	R/T =				¥10,000,000	
		Family (1 spouse, 2 ¥400,000			JKT-SMG) prsn x		R/T =		¥14,400,000	
	(2)	Excess Baggage Allo actual basis, IATA ra	owance (ro ate, subjec	ound to	rip, nos. of to lange)	rips o	<b>n</b>	·	¥3,660,000	
		Engineer (TKY-JKT ¥3,000	,	0	kg x	25	R/T x	2 =	¥1,500,000	
		Family (1 spouse, 2, ¥3,000		•	-JKT) kg x	36	: R/T x	2 =	¥2,160,000	
	(3)	Unaccompanied Bag no. of on actual basi	gage Allo s, IATA r	wance ate, su	(round trip, bject to char	ige)			¥720,000	
		Single Status (TKY- ¥3,000		,	kg x	0	R/T x	2 =	¥0	
		Family Status (TKY ¥3,000		•	kg x	3	R/T x	2 =	¥720,000	
	(4)	Inland Travel Cost (f	ñxed unit :	ate)					¥1,071,600	
		Single Status (TKY) ¥15,960		3	R/T x	2	ways=		¥414,960	
		Family Status (TKY) ¥27,360	•	2	R/T x	2	ways=		¥656,640	
	(5)	Travel Document (fir incl. inoculation, insu				e)			¥501,028	
		Engineer (first trip fr ¥22,800	om TKY) x 0		R/T=				¥0	
		Engineer (subsequen ¥8,550	t trip from		) R/T=				¥213,748	

### Table 5.2.4 (2/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

	Family (first trip from TKY)	
	¥20,520 x 3 R/T=	¥61,560
	Family (subsequent trip from TKY)	
	¥20,520 x 11 R/T=	¥225,720
,	(6) Relocation & Storage Allowance (fixed unit rate, assignment is equal to /more than 12 months)	¥820,800
	Single Status more than 2 years assign. (in TKY)  ¥0 x 0 prn.=	<b>¥</b> 0
	Family Status more than 2 years assign. (in TKY)	
	¥273,600 x 3 family=	¥820,800
2.2	International Freight Cost (at cost, lump sum cost)	<u>¥0</u>
2.3	Overseas Training Cost (at cost, lump sum cost)	<u>¥0</u>

### Table 5.2.4 (3/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

LOCA	AL CURRENCY PORTION			Rp.5,662,546,000
1.	Remuneration			Rp.2,413,530,000
	Professional B (See Breakdown -2)	300.0 M/M	]	Rp.2,413,530,000
2				···
2.	Direct Cost			Rp.2,821,116,000
2.1	Professional A	•	]	Rp.742,606,000
	(1) Transit Allowance (fixed unit rate; round trip in JKT from/to abroad)		Rp.45,750,000	
	Engineer			
	Rp.250,000 x 3 days x	25 R/T=	Rp.18,750,000	
	Family (1 Spouse, 2 Children)			
	Rp.250,000 x 3 days x	36 R/T=	Rp.27,000,000	
	(2) Excess Baggage Allowance (round trip, number on actual basis, Garuda rate)	of trips	Rp.36,600,000	
	Engineer (JKT-SMG)  Rp.30,000 x 10 kg x	25 R/T x 2 =	Rp15,000,000	
	Family (1 Spouse, 2 Children, JKT-SMG)  Rp.30,000 x 10 kg x	36 R/T x 2 =	Rp21,600,000	
	(3) Taxi Charge (fixed unit rate; round trip: airport-hotel in JKT/SMG)		Rp.6,000,000	
	in JKT			
	Rp.50,000 x 4 times x in SMG	25 R/T=	Rp.5,000,000	
	Rp.20,000 x 2 times x	25 R/T=	Rp.1,000,000	
	(4) Per Diem (fix unit rate, less than 6 months in SM	fG)	Rp.121,500,000	
	Rp.150,000 x 30 days x	27 M/M=	Rp.121,500,000	
	(5) Housing Allowance (fixed unit rate, equal to or more than 6 months in SMG)		Rp.387,500,000	
	Single Status			
	Rp.1,500,000 x 42 M/M=		Rp.63,000,000	
	Family Status Rp.2,750,000 x 118 M/M=		Rp.324,500,000	
	(6) Airport Tax (round trip, subject to change: Rp.25,000 (JKT) + RP.11,000(JKT) + Rp.10,000 (SMG) = Rp.46,000)		Rp.2,806,000	
•	Engineer			
	Rp.46,000 x 25 R/T=		Rp.1,150,000	

Rp.1,656,000

Family

Rp.46,000 x

36

R/T=

## Table 5.2.4 (4/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

(7)	Establishment Allowance (at cost; visa, work permit, stay permit and	their		Rp.142,450,000	
	extension, exit permit and exit cha	irge)			* -
	Visa Extension				
	Rp.300,000 x 44	times=	a.	Rp.13,200,000	·
	Stay Permit				
	Rp.1,000,000 x 52	times=		Rp.52,000,000	
	Police Resistration		•		
	Rp.250,000 x 0	times=	·	Rp.0	
	Work Permit				
	Rp.250,000 x 89	times=		Rp.22,250,000	
	Exit Permit			F .	
	Rp.250,000 x 44	times=		Rp.11,000,000	
	Fiscal Cost				
•	Rp.1,000,000 x 44	times=		Rp.44,000,000	
٠.	DPKK				
	Rp.0 x 0	M/M=		Rp.0	
2 Pr	ofessional B				Rp.574,880,000
(1	) Mobilization and Demobilization			Rp.268,480,000	
	N 19 1 / 2 1 1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2	1		P., 116 000 000	
	Air Fare (round trip, nos. of trips actual basis, Garuda rate)	on		Rp.216,000,000	
	Engineer (JKT-SMG)				
	Rp.3,000,000 x 27	R/T=		Rp.81,000,000	
	Family (1 spouse, 2 children) (JK	(T-SMG)			
	Rp.3,000,000 x 3		5 R/T=	Rp.135,000,000	
1	e) Excess Baggage Allowance (rou			Rp.48,000,000	)
	trips on actual basis, Garuda rate	)			
	Engineer (JKT-SMG)				
	Rp.30,000 x 10	kg x 3	2 R/T x 2 =	Rp.19,200,000	
:	Engineer (BDN-SMG)				
	Rp.30,000 x 10	kg x	0 R/T x 2 =	Rp.0	
	Family (1 spouse, 2 children) (JR Rp.30,000 x 10	KT-SMG) kg x3 pns.x	6 R/Tx 2 =	Rp.28,800,000	
* .	7 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DM GMC)			
	Family (1 spouse, 2 children) (8 Rp.30,000 x 10		0 R/Tx 2 =	Rp.0	
	c) Taxi Charge (fixed unit rate; rou	and trin		Rp.4,480,00	0
	Airport-Office)	ուտ ուհ՝		жр.т,тоо,оо	
	(JKT-SMG)				
	in JKT		10 D/E	D., 2 200 000	
	Rp.50,000 x 2	times x	32 R/T=	Rp.3,200,000	

2.2

#### Table 5.2.4 (5/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

in SMG Rp.20,000 x 32 R/T= times x Rp.1,280,000 (2) Per Diem Allowance (fixed unit rate) Rp.103,500,000 Single Status (equal to or less than 3 months) Rp.150,000 x 23 M/M =Rp.103,500,000 (3) Housing Allowance (fixed unit rate) Rp.202,900,000 Single Status (more than 3 months & less than 12 months) Rp.400,000 x 61 Rp.24,400,000 Family Status (more than 12 months) Rp.850,000 x 210 Rp.178,500,000 M/M =2.3 Duty Trip Rp.627,480,000 (1) Air Fare (round trip, nos. of trips on actual basis, Garuda rate, subject to change, JKT-SMG) Rp.3,000,000 x 180 R/T=Rp.540,000,000 (2) Per Diem Allowance in JKT (fixed unit rate) Rp.150,000 x days x 180 R/T =Rp.81,000,000 (3) Airport Tax (round trip, subject to change: (Rp 11,000(SMG)+Rp 25,000(JKT)=36,000)Rp.36,000 x 180 R/T=Rp.6,480,000 2.4 Cost for Office Supply (fixed unit rate) Rp.180,000,000 (1) Office Consumable Rp.1,000,000 x 60 months= Rp.60,000,000 (2) Drawing Material Rp.1,000,000 x 60 months= Rp.60,000,000 (3) Computer Supply Cost Rp.1,000,000 x 60 months= Rp.60,000,000

### Table 5.2.4 (6/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

2.5	Communication Cost (fixed unit rate, telephone/facsimile, freight cost)	<u>Rp.72,000,000</u>
	Rp.1,200,000 x 60 months=	Rp.72,000,000
2.6	Car Rental Cost (fixed unit rate)	<u>Rp.0</u>
	Rp.2,000,000 x 0 C/M=	Rp.0
2.7	Car O&M Cost (fixed unit rate)	<u>Rp.0</u>
	(1) Extra Fuel Cost (Rp. 1000/lit. x 15 lit x 25 days = Rp.375,000 x 0 C/M=	Rp. 375,000 )
2.8	Office Rental Cost (fixed unit rate)	<u>Rp.0</u>
	(1) Office Rental Cost  Rp.25,000 x 0 m2 x	60 months= Rp.0
2.9	Salary for Local Employee (see Breakdown - 4)	Rp.495,000,000
2.10	Office Equipment Maintenance and Running Cost (fixed unit rate)	<u>Rp.22,500,000</u>
	Rp.750,000 x 30 months =	Rp.22,500,000
2.11	Report and Reproduction Cost (fixed unit rate) (See Breakdown - 4)	<u>Rp.106,650,000</u>
3.	Equipment Cost (at cost) (See Breakdown - 5)	Rp.427,900,000

Table 5.2.5 CALCULATION SHEET FOR COMPENSATION COST

Decription	T l'ait	Oventities		Unit Cost	st		Total	Total Cost	O comp
mondinger	i din	Z naminico	PF/C	IF/C	T/C	PF/C	IF/C	T/C	Meditial KS
and Acquisition	m2	1,500,000	0	0	000,6	0	0	000'000'000'000	
Total			0	0	000*6	0	0	13,500,000,000	

Table 5.2.6 PRICE CONTINGENCY

	P/F	I/F	LF	Total Cost
Construction Base Cost	26,604,025,121	1,540,710,599	50,127,589,019	78,272,324,738
Engineering Service Cost	914,407,875		498,304,048	1,412,711,923
Compensation Cost			3,612,842,957	3,612,842,957
Administration Cost			5,210,874,308	5,210,874,308
Total	27,518,432,996	1,540,710,599	59,449,610,331	88,508,753,926

Note: All costs are exclusive of Tax.

Table 5.4.1 DISBURSEMENT SCHEDULE

	Currency	2000	2001	2002	2003	2004	2005	Total
Package-1 Rupiah		0	55,879,189,400	86,628,610,591	137,631,892,156	202,195,013,201	0	482,334,705,348
Converting into Yen	to Yen	0	925,232,766	1,434,373,509	2,278,872,288	3,347,891,286	0	7,986,369,849
Package-2 Rupiah		0	0	1,225,446,496	4,095,545,004	808,744,605		6,129,736,105
Converting into Yen	ıto Yen	0	0	20,290,617	67,812,946	13,390,978	0	101,494,541
Administration Cost Rupiah		0	4,407,588,567	5,082,466,112	8,199,107,935	11,744,019,047	0	29,433,181,661
Converting into Yen	ıto Yen	0	72,979,680	84,154,123	135,758,650	194,454,346	0	487,346,799
Engineering Service Cost Rupiah		838,679,050	4,701,203,147	7,391,298,516	11,923,749,804	17,079,022,000	0	41,933,952,517
Converting into Yen	ıto Yen	13,886,625	77,841,272	122,383,156	197,430,280	282,789,907	0	694,331,240
Compensation Cost Rupiah			18,462,842,957					18,462,842,957
Converting into Yen	ito Yen	0	305,702,846	0	0	0	0	305,702,846
Total Rupiah		838,679,050	83,450,824,071	100,327,821,715	161,850,294,898	231,826,798,853	0	578,294,418,588
Converting into Yen	ıto Yen	13,886,625	1,381,756,564	1,661,201,405	2,679,874,164	3,838,526,517	0	9,575,245,275

Note: All costs include price and physical contingencies and tax.

**FIGURE** 

