PHASE 1 DISTRIBUTION PIPELINE (MAIN)

•					
MAIN PIPELINE	DIA.	NO.	UNIT	UNIT C.	AMOUNT
PIPE LAYING	100	8,950	М	870	7,786,500
	150 1	0,390	M	1,430	14,857,700
		3,500	M	2,500	8,750,000
		2,190	M	3,760	8,234,400
	300	1,600	M	2,870	4,592,000
	350	740	M	3,340	2,471,600
	400	390	M	3,750	1,462,500
	500	370	M	4,460	1,650,200
4	600	900	M	6,540	5,886,000
	SUB TOT	AL			55,690,900
GATE VALVES	100	9	SETS	13,400	120,600
	150	10	SETS	20,600	206,000
	200	4	SETS	29,400	117,600
	250	2	SETS	43,200	86,400
•	300	2	SETS	54,300	108,600
	350	1	SETS	72,500	72,500
	400	1	SETS	117,000	117,000
	500	1	SETS	184,900	184,900
	600	1	SETS	399,600	399,600
	SUB TOT	AL 			1,413,200
AIR RELIEF VALVES	25	27	SETS	30,100	812,700
	75	2	SETS	45,800	91,600
	SUB TOT	AL			904,300
DRAIN VALVES	100	27	SETS	28,000	756,000
	150	2	SETS	46,500	93,000
	SUB TOT	АЪ 			849,000
PRESSURE REDUCTION	150	1	SETS	163,300	163,300
VALVES	250	1 .	SETS	392,500	392,500
	SUB TOT	AL			555,800
FIRE HYDRANT	100	145	SETS	21,700	3,146,500
	SUB TOT	ΑT			3,146,500
MAIN PIPELINE SUE	TOTAL				62,559,700
MISCELLANEOUS WORK		·		10%	6,255,970
MAIN PIPELINE TO	TAL		·	· · · · · · · · · · · · · · · · · · ·	68,815,670

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CARRY CONTRACTOR SERVICES

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	A CONTRACTOR OF THE CONTRACTOR				
	BRANCH LINE		UNIT	UNIT C.	AMOUNT
	PIPE LAYING	75 14,515 100 14,515	M M	570 870	8,273,550 12,628,050
* :	GATE VALVES	75 29			20,901,600 310,621 389.002
		SUB TOTAL			699,623
	BRANCH LINE SUE	3 TOTAL			21,601,223
•	MISCELLANEOUS WORK			10% 	2,160,122
	BRANCH LINE TO	OTAL 			23,761,345
	TABLE D.8 REPLACE	EMENT OF HOUSE	SERVIC	E CONNECTI	ON
	H.S.C. L=5M CONCRET W/METER	DIA. NO. E 25 3,535 32 203	UNIT SETS SETS	UNIT C. 1,895 2,590	AMOUNT 6,698,825 525,770
	H.S.C REPLACEMENT	ምስጥለ፤			7 224 505
	H.S.C. L=5M CONCRET W/METER	DIA. NO. E 25 13,016 32 389	UNIT SETS SETS	UNIT C. 3,790 5,180	AMOUNT 49,330,640 2,015,020
	H.S.C REPLACEMENT	TOTAL		the second	51,345,660
					en e
		G-7			

PROJECT COST FOR PHASE 2

		(in Thousa	nd Pesos)
Construction Cost 1. Transmission 2. Booster Pump	ing Station No.1 Civil and Arch. Work	7,652 14,492 19,020	95,862
3. Booster Pump	Sub Total ing Station No.2 Civil and Arch. Work Mechanical Work Electrical Work	6,583 18,620 22,848	41,164
4. Distribution	Sub Total Reservoir No.1 Civil and Arch. Work Mechanical Work	11,412 3,795	48,051
5. Distribution	Sub Total Reservoir No.2 Civil and Arch. Work Mechanical Work	3,494	15,207
6. Booster Pump	Sub Total ing Station No.3 Pump House Mech. and Elec. Work	826 273	4,662
7. Booster Pump	Sub Total ing Station No.4 Pump House Mech. and Elec. Work	560 190	1,099
8. Distribution	Sub Total System Distribution Main Inner Network Fire Hydrant Service Connection	88,168 25,603 2,005 45,192	750
	Sub Total		160,968
Construction Cost Total	al		367,763
Engineering Cost Land Acquisition	(D/D 8%, C/S 4%) (Reservoir 1 & 2)		44,132 1,760
Total			413,655
Physical Contingency	10%	· — — — — — — — — — — — — — — — — — — —	41,365
GRAND TOTAL			455,020

TABLE PHASE 2 TRANSMISSION PIPELINE

TRANSMISSION LINE	DIA. NO	. UNIT	UNIT C.	AMOUNT
PIPE LAYING	600 12, 150 SUB TOTAL	650 M 450 M	6,540 4,040	82,731,000 1,818,000 84,549,000
GATE VALVES	600 150 SUB TOTAL	1 SET 1 SET	399,600 20,600	399,600 20,600 420,200
AIR RELIEF VALVES	75 25 SUB TOTAL	12 SETS 1 SET	45,800 30,100	549,600 30,100 579,700
DRAIN VALVES	150 100 SUB TOTAL	3 SETS 1 SETS	46,500 28,000	139,500 28,000 167,500
PIPE BRIDGE	600 SUB TOTAL	3 LOT	477,000	1,431,000 1,431,000
SUB TOTAL	·			87,147,400
MISCELLANEOUS WORKS	3	10%		8,714,740
TOTAL				95,862,140

PHASE 2 BOOSTER PUMPING STATION NO.1

B.P.S NO.1 PH	ASE 2	NO.	UNIT	UNIT C.	AMOUNT
EXCAVATION	MACHINE	4,600	m3	17.25	79,350
	MANUAL	150		65.00	9,750
BACKFILLING	MACHINE	2,030		22.45	
	MANUAL	70		22.45	1,572
SOIL DISPOSAL		2,675	m3	25.00	-
CONCRETE DEMO		25		400.00	10,000
CONCRETING	240kg/cm2	910	- m3	1,724.00	1,568,840
CONCINSTANCE	120kg/cm2	40	m 3	1,187.00	47,480
FORMWORK	TIMBER	1,420		409.50	
SCAFFOLDING		2,500		15.00	•
RE-BAR	DEFORMED	72,800		25.00	
	CRASHER RUN	80	_	360.00	28,800
DRAINAGE	POWER COST	ĭ			150,000
= 1 1 1 1	PC PILE 10M	103		6,000.00	618,000
	ASPHALT ROOFING	392		90.00	35,280
WATER PROOF	COVERING CONCRETE			1,187.00	46,293
DATMITAIO	OUTSIDE	420		60.00	
PAINTING		228		40.00	•
	C.ROOM INSIDE	638		235.00	
alar a primita	PUMP WELL				
SASH & FIXTURE	5 	1	lot		
	SUB TOTAL		. <u></u> .		5,481,053
MISCELLANEOUS				10%	548,105
BUILDING	TOTAL				6,029,158
FENCE REPAIR	1.5mH x 120mL	120	m	770.21	92,425
B.P.S.	TOTAL				6,121,584
OVERHEAD OF CO	ONTRACTOR			x 0.25	1,530,396
	GRAND TOTAL				7,651,979
				SAY	7,652,000
Mech. & Elec.	Equipment	NO.	UNIT	UNIT C.	AMOUNT
MECHANICAL EQU	JI PMENT	1	lot		9,058,000
INSTALLATION	w/materials	1	_	60%	5,434,800
ELECTRICAL EQU		. 1			11,888,000
INSTALLATION	w/materials	1		60%	7,132,800
INSTRUMENTOR					
	SUB TOTAL				33,513,600
	(Overhead is alre	ady inc	luded	in above)	33,513,600
Mech. & Elec.		TOTAL		SAY	33,514,000
B.P.S NO.1 PHA	SE 2	GRAND T			41,166,000

TABLE PHASE 2 BOOSTER PUMPING STATION NO.2

B.P.S NO.2 PH	ASE 2	NO.	UNIT	UNIT C.	AMOUNT
EXCAVATION	MACHINE	4,600	m3	17.25	79,350
	MANUAL	150	m3	65.00	9,750
BACKFILLING	MACHINE	2,030	m3	22.45	45,574
	MANUAL	70	m3	22.45	1,572
SOIL DISPOSAL		2,675	m3	25.00	66,875
CONCRETE DEMO		25	mЗ	400.00	10,000
CONCRETING	240kg/cm2	910	m3	1,724.00	1,568,840
	120kg/cm2	40	m3	1,187.00	47,480
FORMWORK	TIMBER	1,420	m2	409.50	581,490
SCAFFOLDING		2,500	m3	15.00	37,500
RE-BAR	DEFORMED	72,800	kg	25.00	1,820,000
FOUNDATION	CRASHER RUN	80	m3	360.00	28,800
WATER PROOF	ASPHALT ROOFING	392	m2	90.00	35,280
	COVERING CONCRETE	39	m3	1,187.00	46,293
PAINTING	OUTSIDE	265	m2	60.00	15,900
	C.ROOM INSIDE	228	m2	40.00	9,120
•	PUMP WELL	638	m2	235.00	149,930
SASH & FIXTUR	E	1	lot		150,000
	SUB TOTAL				4,703,753
MISCELLANEOUS				10%	470,375
BUILDING	TOTAL				5,174,128
FENCE REPAIR	1.5mH x 120mL	120		770.21	92,425
B.P.S.	TOTAL				5,266,554
OVERHEAD OF CO	ONTRACTOR			x 0.25	1,316,638
	GRAND TOTAL			SAY	6,583,192 6,583,000
Mech. & Elec.		NO.		UNIT C.	AMOUNT
MECHANICAL EQU	IT DMRNT	1	lot		11,638,000
INSTALLATION	w/materials	1	lot	60%	6,982,800
ELECTRICAL EQU		1	lot	00%	14,280,000
INSTALLATION		1	lot	60%	8,568,000
INSTALLATION	w/materials	1	100	00%	0,000,000
	SUB TOTAL				41,468,800
	(Overhead is alread	v includ		abova)	41 469 900
Mech. & Elec.	Equipment	TOTAL	iea II	SAY	41,469,000
B.P.S NO.2 PHA		GRAND TO			48,052,000

DIST. RESERVO	IR (MAIN) PHASE 2	NO.	UNIT	UNIT C.	AMOUNT
EXCAVATION	MACHINE	5,985	m3	17.25	103,241
	MANUAL	288	m3	65.00	18,720
BACKFILLING	MACHINE	1,995	m3	22.45	44,788
	MANUAL	131	m3	22.45	2,941
SOIL DISPOSAL		4,147	m3	25.00	103,675
CONCRETING	240kg/cm2	1,314	m3	1,724.00	2,265,336
÷. a. ×	120kg/cm2	82	m3	1,187.00	97,334
FORMWORK	TIMBER	3,568	m2	409.50	1,461,096
SCAFFOLDING	, DEBORNED	3,715	m3	15.00 25.00	55,725 2,956,500
RE-BAR	DEFORMED CRASHER RUN	118,260	kg m3	360.00	59,400
FOUNDATION WATER PROOF	ASPHALT ROOFING	724	m2	90.00	65,160
WATER PROOF	COVERING CONCRETE		mZ m3	1,187.00	86,651
PAINTING	INSIDE	3,450	m2	235.00	810,750
					8,131,31
MISCELLANEOUS	WORK			10%	813,132
MAIN BODY	TOTAL		·		8,944,449
FENCE				770.21	
GATE		1	lot		40,000
B.P.S.	TOTAL				9,129,248
OVERHEAD OF C				x 0.25	2,282,31
	GRAND TOTAL	·		SAY	11,411,560 11,412,000
PIPE FITTINGS		NO.	UNIT	UNIT C.	AMOUNT
GATE VALVES	· INFLOW 450mm	2	SETS	147,700	295,400
	OUTFLOW 500mm	2		184,900	369,800
DRAIN VALVES	300mm	$\bar{2}$	SETS		108,600
BYPASS VALVES	600mm	-1	SET	399,600	399,600
	RAIN VALVE 150mm	. 1	SET	20,600	20,600
TLEX, JOINT	INFLOW 450mm	2	SETS	156,400	312,800
	OUTFLOW 500mm	- 2	SETS	177,800	355,600
	DARIN 300mm	2	SETS	104,300	208,600
	OVERFLOW 350mm	2		119,600	239,200
FLOW METER	INFLOW 600mm	1	SET		271,000
	OUTFLOW 700mm	1	SET	293,400	293,400
PIPING	INFLOW 600mm	24	m	6.540	156,960
	INFLOW 450mm	6	m	4,040	24,240 26,760
	OUTFLOW 500mm	6	m		26,760
	OUTFLOW 700mm		m.		
	BYPASS 600mm	34		6,540	
1 4.	DRAIN 300mm	100	m	2,870	287,000
	SUB TOTAL				3,794,780
OVERHEAD OF CO	ONTRACTOR	INCLUDED	IN AI	BOVE	(
		47.5			3,794,780
PIPING	TOTAL			SAY	3,795,000
DIST. RESERVO	IR (MAIN) PHASE 2	TOTAL		North Control of	15,207,00

## MANUAL 90 m3	DIST. RESERVOI	R (SUB) PHASE 2	NO.	UNIT	UNIT C.	AMOUNT
BACKFILLING MACHINE 1,120 m3 22.45 25,144 MANUAL 75 m3 22.45 1,686 SOIL DISPOSAL OUT OF SITE 929 m3 25.00 23,225 CONGRETING 240kg/cm2 399 m3 1,724.00 687,876 120kg/cm2 21 m3 1,187.00 24,925 FORMWORK TIMBER 1,079 m2 409.50 441,851 SCAFFOLDING 762 m3 15.00 11,436 SCAFFOLDING 762 m3 15.00 11,436 SCAFFOLDING 762 m3 360.00 15,125 SCAFFOLDING 187 m2 90.00 16,836 COVERING COVE	EXCAVATION	MACHINE	2,034	m3	17.25	35,087
MANUAL 75 m3 22.45 1,684 SOIL DISPOSAL OUT OF SITE 929 m3 25.00 23,225 CONCRETING 240kg/cm2 399 m3 1,724.00 687,876 120kg/cm2 21 m3 1,187.00 24,927 FORMWORK TIMER 1,079 m2 409.50 441,851 SCAFFOLDING 762 m3 15.00 11,433 RE-BAR DEFORMED 35,910 kg 25.00 897,756 FOUNDATION CRASHER RUN 42 m3 360.00 15,122 WATER PROOF ASPHALT ROOFING 187 m2 90.00 16,836 COVERING CONCRETE 19 m3 1,187.00 22,555 PAINTING INSIDE 780 m2 235.00 183,300 SUB TOTAL 2,392,624 MISCELLANEOUS WORK 10% 239,263 MAIN BODY TOTAL 2,631,888 FENGE 1.5mH x 138mL 160 m 770,21 123,234 MAIN BODY TOTAL 2,795,122 FOUNDATION CONTRACTER x 0,25 698,786 GRAND TOTAL 3,493,900 SATE VALVES INFLOW 150mm 2 SETS 29,400 58,800 DYPASS VALVES 150mm 2 SETS 29,400 58,800 DYPASS VALVES 150mm 2 SETS 29,400 58,800 DYPASS VALVES 150mm 2 SETS 31,400 26,800 DYPASS VALVES 150mm 2 SETS 73,200 146,400 DYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 31,400 26,800 DYPASS PIPE DRAIN VALVE 75mm 1 SET 31,400 10,700 DYPASS PIPE DRAIN VALVE 75mm 1 SET 31,400 10,700 DARIN 100mm 2 SETS 73,200 146,400 OUTFLOW 200mm 2 SETS 73,200 146,400 DARIN 100mm 1 SET 31,800 88,800 PIPING INFLOW 150mm 26 m 1,430 37,180 OUTFLOW 200mm 26 m 1,430 37,180 DYPASS 150mm 15 m 1,430 21,451 DYPASS 150mm 50 m 2,500 125,000 SUB TOTAL 1,167,930		MANUAL		ra 3		5,850
SOIL DISPOSAL OUT OF SITE 929 m3 25.00 23.225 CONCRETING 240kg/cm2 399 m3 1,724.00 687,877 120kg/cm2 21 m3 1,137.00 24,927 FORMWORK TIMBER 1,079 m2 409.50 441,851 FORMWORK TIMBER 762 m3 15.00 11,430 RN-BAR DEFORMED 36,910 kg 25.00 887,766 m3 360.00 15,124 M3	BACKFILLING	MACHINE	1,120	m3	22.45	25,144
CONCRETING			75	m3	22.45	1,684
120kg/cm2	SOIL DISPOSAL					
FORMWORK TIMEER 1,079 m2 409.50 441,855 SCAFFOLDING 762 m3 15.00 11.436 RE-BAR DEFORMED 35,910 kg 25.00 897,766 POUNDATION CRASHER RUN 42 m3 360.00 15,126 MATER PROOF ASPHALT ROOFING 187 m2 90.00 16,836 COVERING CONCRETE 19 m3 1,187.00 22,565 PAINTING INSIDE 780 m2 235.00 183,300 MAINTING INSIDE 780 MAINTING 10% 239,262 MAINTING 10% 239,262 MAINTING 10% 239,262 MAINTING 10% MAINTING 10% 239,262 MAINTING 10% MAIN	CONCRETING	240kg/cm2	399	m3	1,724.00	687,876
SCAFFOLDING RE-BAR DEFORMED 35,910 kg 25.00 897,766 FOUNDATION CRASHER RUN 42 m3 360.00 15,126 MATER PROOF ASPHALT ROOFING 187 m2 90.00 16,837 COVERING CONTROL 19 m3 1,187.00 22,555 PAINTING INSIDE 780 m2 235.00 183,306 SUB TOTAL 2,392,626 MISCELLANEOUS WORK 10% 239,266 MAIN BODY TOTAL 2,631,886 MAIN BODY TOTAL 2,631,886 B.P.S. TOTAL 2,795,122 DOVERHEAD OF CONTRACTER X 0.25 698,786 GRAND TOTAL 3,493,906 SATE VALVES INFLOW 150mm 2 SETS 29,400 58,800 DRAIN VALVES 100mm 2 SETS 29,400 568,800 DRAIN VALVES 150mm 2 SETS 29,400 658,800 DRAIN VALVES 150mm 2 SETS 20,600 41,200 DRAIN VALVES 150mm 2 SETS 10,700 10,700 SPYPASS PIPP DRAIN VALVE 75mm 1 SET 10,700 10,700 PILEX. JOINT INFLOW 150mm 2 SETS 73,200 146,400 DAAIN 100mm 2 SETS 73,200 146,400 DAAIN 10FLOW 150mm 1 SET 88,800 81,800 OUTFLOW 200mm 1 SET 88,800 81,800 PIPPING INFLOW 150mm 26 m 1,430 37,184 DOVERHEAD OF CONTRACTER INCLUDED IN ABOVE GRAND TOTAL 1,167,931 DOVERHEAD OF CONTRACTER INCLUDED IN ABOVE GRAND TOTAL 1,167,931	4	120kg/cm2		m3	1,187.00	24,927
RE-BAR DEFORMED 35,910 kg 25.00 897,765 FOUNDATION CRASHER RUN 42 m3 360.00 15,120 WATER PROOF ASPHALT ROOFING 187 m2 90.00 16,836 COVERING CONCRETE 19 m3 1,187.00 22,565 PAINTING INSIDE 780 m2 235.00 183,300 MISSCELLANEOUS WORK 10% 239,262 MISSCELLANEOUS WORK 10% 2795,122 MISSCELLANEOUS WORK 10% 123,234 MISSCELLANEOUS WORK 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	FORMWORK	TIMBER	1,079	m2	409.50	441,851
FOUNDATION CRASHER RUN 42 m3 360.00 15,120 WATER PROOF ASPHALT ROOFING 187 m2 90.00 16,830 COVERING CONCRETE 19 m3 1,187.00 22,555 PAINTING INSIDE 780 m2 235.00 183,300 SUB TOTAL 2,392,626 MISCELLANEOUS WORK 10% 239,262 MAIN BODY TOTAL 2,631,886 AMAIN BODY TOTAL 2,631,886 AMAIN BODY TOTAL 2,631,886 AMAIN BODY TOTAL 2,631,886 AMAIN BODY TOTAL 2,795,122 AMAIN BODY TOTAL 3,493,902 AMAIN BODY TOTAL 3,493,902 AMAIN BODY CONTRACTER X 0.25 698,786 AMAIN MADE AMAIN BODY SAY 3,494,000 AMAIN SAY 3,494,0	SCAFFOLDING		· .	m3		
WATER PROOF ASPHALT ROOFING 187 m2 90.00 16,836 COVERING COVERING CONCRETE 1 9m 31,187.00 22,565 PAINTING INSIDE 780 m2 235.00 183,306 SUB TOTAL 2,392,624 MISCELLANEOUS WORK 10% 239,265 MISCELLANEOUS WORK 10% 770.21 123,234 MISCELLANEOUS WORK 100 m 770.21 123,234 MISCELLANEOUS MORE 1 Lot 1 Lot 1 Lot 1 MISCELLANEOUS MORE 1 LOT	RE-BAR	DEFORMED	35,910	kg	25.00	
COVERING CONCRETE	FOUNDATION	CRASHER RUN	42	m3	360.00	
SUB TOTAL 2,392,626	WATER PROOF			m2	90.00	16,830
SUB TOTAL SUB TOTAL 2,392,626 MAIN BODY TOTAL 2,631,886 FENCE 1.5mH x 138mL 160 m 770.21 123,234 GATE 1 lot 40,000 B.P.S. TOTAL 2,795,122 DVERHEAD OF CONTRACTER SAY 3,493,900 GRAND TOTAL SAY 3,494,000 PIPE FITTINGS NO. UNIT UNIT C. AMOUNT SATE VALVES INFLOW 150mm OUTFLOW 200mm 2 SETS 29,400 BYPASS VALVES 150mm 2 SETS 29,400 BYPASS VALVES 150mm 2 SETS 29,400 BYPASS VALVES 150mm 2 SETS 20,600 41,200 BYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 OUTFLOW 200mm 2 SETS 73,200 46,400 OUTFLOW 200mm 2 SETS 79,100 DARIN 100mm 2 SETS 79,100 OUTFLOW 200mm 2 SETS 79,100 DARIN 100mm 2 SETS 79,100 OUTFLOW 200mm 1 SET 88,800 BYPASS 150mm 1 SET 88,800 BYPASS 150mm		COVERING CONCRET	E 19	m3	1,187.00	22,553
MISCELLANEOUS WORK 10% 239,263 MAIN BODY TOTAL 2,631,886 FENCE 1.5mH x 138mL 160 m 770.21 123,234 GATE 1 lot 40,000 B.P.S. TOTAL 2,795,122 OVERHEAD OF CONTRACTER x 0.25 698,786 GRAND TOTAL SAY 3,493,902 SAY 3,494,000 PIPE FITTINGS NO. UNIT UNIT C. AMOUNT SAY 3,494,000 PIPE FITTINGS NO. UNIT UNIT C. AMOUNT SATE VALVES INFLOW 150mm 2 SETS 20,600 41,200 OUTFLOW 200mm 2 SETS 29,400 58,800 DRAIN VALVES 150mm 2 SETS 13,400 26,800 BYPASS VALVES 150mm 2 SETS 20,600 41,200 BYPASS VALVES 150mm 2 SETS 73,200 146,400 OUTFLOW 200mm 2 SETS 73,200 146,400 OUTFLOW 200mm 2 SETS 79,100 158,200 DARIN 1000mm 2 SETS 79,100 158,200 DARIN 1000mm 2 SETS 79,100 158,200 DARIN 1000mm 1 SET 81,800 81,800 OUTFLOW 200mm 1 SET 81,800 81,800 PIPING INFLOW 150mm 1 SET 81,800 81,800 OUTFLOW 200mm 1 SET 81,800 81,800 PIPING INFLOW 150mm 26 m 1,430 37,180 OUTFLOW 200mm 26 m 2,500 65,000 BYPASS 150mm 15 m 1,430 37,180 OUTFLOW 200mm 50 m 2,500 125,000 BYPASS 150mm 50 m 2,500 125,000 SUB TOTAL 1,167,930	PAINTING	INSIDE	780	m2	235.00	183,300
MAIN BODY TOTAL MAIN BODY TOTAL PENCE 1.5mH x 138mL 160 m 770.21 123,224 GATE 1 lot 40,000 B.P.S. TOTAL 2,795,122 DVERHEAD OF CONTRACTER x 0.25 698,780 GRAND TOTAL SAY 3,493,900 PIPE FITTINGS NO. UNIT UNIT C. AMOUNT SAY 3,493,900 PIPE FITTINGS NO. UNIT UNIT C. AMOUNT SAY 3,494,000 PIPE FITTINGS NO. UNIT UNIT C. AMOUNT SATE VALVES INFLOW 150mm 2 SETS 20,400 41,200 DRAIN VALVES 150mm 2 SETS 13,400 26,800 SYPASS VALVES 160mm 2 SETS 13,400 26,800 SYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 SYPASS PIPE DRAIN VALVE 75mm 1 SET 10,700 10,700 SYLEX. JOINT INFLOW 150mm 2 SETS 73,200 146,400 OUTFLOW 200mm 2 SETS 79,100 158,200 DARIN 100mm 2 SETS 79,100 158,200 DARIN 100mm 1 SET 81,800 81,800 OVERFLOW 150mm 1 SET 81,800 81,800 PIPING INFLOW 150mm 1 SET 81,800 81,800 OUTFLOW 200mm 26 m 2,500 65,000 BYPASS 150mm 15 m 1,430 37,180 OUTFLOW 200mm 26 m 2,500 65,000 BYPASS 150mm 15 m 1,430 37,180 OUTFLOW 200mm 26 m 2,500 65,000 SUB TOTAL 1,167,930	the state of the s	SUB TOTAL				2,392,626
### HAIN BODY TOTAL 2,631,888 ### FENCE		MUBK			10%	239 263
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OVERHEAD OF CONTRACTER INCLUDED IN ABOVE GRAND TOTAL 1,167,93	ار سام کا مان کا مار با با مار مراجع امار	DRAIN 200mm	50	m 	2,500	125,000
GRAND TOTAL 1,167,930		SUB TOTAL				1,167,93
GRAND TOTAL 1,167,93						
	OVERHEAD OF CO		INCLUDED	IN AE	SOVE	·
	OVERHEAD OF CO		INCLUDED	IN AF	BOVE	1,167,93

PHASE 2 DISTRIBUTION PIPELINE

*	•				
MAIN PIPELINE	DIA.	NO.	UNIT	UNIT C.	AMOUNT
PIPE LAYING	100	4,410	M	870	3,836,700
	150	9,860	М	1,430	14,099,800
	200	7,800	M	2,500	19,500,000
	250	4,540	М	3,760	17,070,400
•	300	1,310	M	2,870	3,759,700
	350	180	M	3,340	601,200
	400	430	M	3,750	1,612,500
•	450	1,090	M	4,040	4,403,600
	500	760	M	4,460	3,389,600
	700	900	M	8,820	7,938,000
	SUB TOT	AL			76,211,500
GATE VALVES	100	4	SETS	13,400	53,600
A Land	150	10	SETS	20,600	206,000
	200	-8	SETS	29,400	235,200
	250	5	SETS	43,200	216,000
.:	300	1	SETS	54,300	54,300
	350	1	SETS	72,500	72,500
	400	1	SETS	117,000	117,000
•	450	1	SETS	147,700	147,700
•	500	1	SETS	184,900	184,900
	700	1	SETS	506,300	506,300
•	SUB TOT	AL			1,793,500
AIR RELIEF VALVES	25	28	SETS	30,100	842,800
	75	3	SETS	45,800	137,400
	SUB TOT				980,200
DRAIN VALVES	100	 28	SETS	28,000	784,000
	150	3		46,500	139,500
	SUB TOT	AL	٠		923,500
PRESSURE REDUCTION	100	1	SETS	80,500	80,500
VALVES	150	1	SETS		163,300
· · · · · ·	SUB TOT	ΑL			243,800
FIRE HYDRANT	100	84	SETS	21,700	1,822,800
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SUB TOT	- : -			1,822,800
MAIN PIPELINE SUB	TOTAL				81,975,300
MISCELLANEOUS WORK				10%	8,197,530
MAIN PIPELINE TO	TAL		1.		90,172,830

TABLE PHASE 2 BOOSTER PUMPING STATION NO.3

Civil & Arch.		NO.	UNIT	UNIT C.	AMOUNT
PUMP HOUSE		3	0 m2	19,090	572,700
	SUB TOTAL				572,700
MISCELLANEOUS				10%	57,270
PUMP HOUSE	TOTAL	. *** *** *** ***		ند جن جن يب بند سه حمر بند سه	629,970
FENCE GATE	1.5mH x 34mL		0 m 1 lot		30,808 40,000
<u> </u>	TOTAL			· · · ·	660,778
OVERHEAD OF CO	A contract of the contract of			x 0.25	165,195
Civil & Arch.				SAY	825,973 826,000
				· ·	
Mech. & Elec.		NO.	UNIT	UNIT C.	AMOUNT
GATE VALVES CHECK VALVES PRESSURE METEI PLUMBING	100mm		2 unit 4 SETS 2 SETS 2 SETS 1 lot 1 lot	6,500 6,100 1,000	112,000 26,000 12,200 2,000 50,000 46,000
	SUB TOTAL				248,200
ISCELLANEOUS	WORK			10%	24,820
	(Overhead is already Equipment T	incl	uded i	n above) SAY	273,020 273,000
B.P.S NO.3 PHA	SE 2	RAND '	TOTAL		1,099,000

PHASE 2 BOOSTER PUMPING STATION NO.4

T UNIT C.	AMOUNT
19,090	381,800
	381,800
10%	38,180
	419,980
n 770.21	27,728 40,000
	447,708
x 0.25	111,927
SAY	559,634 560,000
T UNIT C.	AMOUNT
ts 27,100 CS 6,500 CS 6,100 CS 1,000	54,200
	172,400
10%	17,240
in above) SAY	189,640 190,000
_	in above)

TABLE PHASE 2 DISTRIBUTION PIPELINE (INTERNAL)

					
BRANCH LINE	DIA.	NO.	UNIT	UNIT C.	AMOUNT
PIPE LAYING		15,640 15,640 OTAL	M M	570 870	8,914,800 13,606,800 22,521,600
GATE VALVES	75 100 SUB T	31	SETS SETS	10,700	334,696 419,152 753,848
BRANCH LINE	SUB TOTAL		· — — — — — — — — — — — — — — — — — — —		23,275,448
MISCELLANEOUS WO	RK			10%	2,327,545
BRANCH LINE	TOTAL				25,602,993
TABLE INS	TALLATION	of Hous	E SERV	ICE CONNE	CTION
H.S.C. L=5M CONC W/METER	DIA. RETE 25 32	11,368	UNIT SETS SETS	UNIT C. 3,790 5,180	AMOUNT 43,084,720 2,108,260
H.S.C REPLACEME	NT TOTAL	·		,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, 	45,192,980

TABLE . ELEVATED WATER TANK

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	and gong gave, way your sees more man supp your game 500 finds from God was sake	1101 On 1		
EXCAVATION	MACHINE	655 m3	17.25	11,299
111	MANUAL	47 m3	65.00	
BACKFILLING	MACHINE	388 m3	22.45	8,711
SOIL DISPOSAL	OUT OF SITE	314 m3	25.00	
CONCRETING	240kg/cm2	557 m3	1,724.00	960,268
	120kg/cm2	7 m3	1,187.00	8,309
FORMWORK	TIMBER	942 m2	409.50	385,749
SCAFFOLDING		2,080 m3	15.00	31,200
RE-BAR	DEFORMED	50,107 kg	25.00	1,252,675
FOUNDATION	CRASHER RUN	22 m3	360.00	7,920
INSIDE COATING	G EPOXY RESIN	402 m2	235.00	94,470
	SUB TOTAL			2,771,505
MISCELLANEOUS	WORK		10%	277,151
ELEV. W. TANK	TOTAL			3,048,656
FENCE	1.5mH x 80mL	88 m	770.21	67,778
GATE		1 lot		10,000
	TOTAL			3,126,434
OVERHEAD OF CO	ONTRACTOR		х 0.25	781,609
	GRAND TOTAL			3,908,043
		•	SAY	3,908,000

