

	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
	<u>BILL NO.6</u>						
	<u>WORKSHOP</u>						
	<u>SUB-COLLECTION</u>						
WS	<u>WORKSHOP</u>						
WS- 1	EARTH EXCAVATION, BACKFILL AND FILL						
WS- 2	CONCRETE						
WS- 3	CONCRETE BLOCK WORK						
WS- 4	MISCELLANEOUS METAL						
WS- 5	MOISTURE AND THERMAL PROTECTION						
WS- 6	DOORS, WINDOWS AND GLASS						
WS- 7	FINISHES						
WS- 8	SPECIALITIES						
WS- 9	FURNISHING						
WS-10	AIR CONDITIONING SYSTEM						
WS-11	VENTILATION SYSTEM						
WS-12	PLUMBING						
WS-13	FIRE EXTINGUISHER						
WS-14	DISTRIBUTION BOARD						
WS-15	LIGHTING FITTINGS						
WS-16	CABLES AND FITTINGS						
	<u>SUB-COLLECTION OF BILL NO.6</u>					DH	
		6/1					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
WS	<u>WORKSHOP</u>						
WS-1	<u>EARTH EXCAVATION, BACKFILL AND FILL</u>						
1.	Excavate trench for foundations commencing at reduced level and not exceeding 1.50 meters deep.	55	Cu.m				
2.	Backfill, selected excavated material around foundation.	24	Cu.m				
3.	Selected excavated materials in filling to make up levels under ground slabs, spread, levelled, watered and well compacted in layers not exceeding 15 cm thick as described.	48	Cu.m				
4.	Compaction of subgrade under ground slabs prior to casting concrete thereon to not less than 95 percent maximum density for a depth of 20 cm as determined by modified AASHO T-180 or the latest revision thereof.	167	Sq.m				
5.	Filling with approved imported material spread levelled and compacted in layers not exceeding 20cm in making up levels under ground floor slab.	17	Cu.m				
	To collection						
		6/2					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
WS-2	<u>CONCRETE</u>						
1.	Reinforced concrete class "A" with sulphate resisting cement;						
	a. in foundations	7	Cu.m				
	b. in grade beams	24	Cu.m				
	c. in ground slab	25	Cu.m				
2.	Reinforced concrete class "A" with ordinary portland cement;						
	a. in beams	17	Cu.m				
	b. in columns	8	Cu.m				
	c. in slabs	25	Cu.m				
	d. in upstand beams, parapet, walls, etc.	6	Cu.m				
3.	Plain concrete class "B" with sulphate resisting cement;						
	a. in 60 mm thick layer of blinding	303	Sq.m				
4.	Reinforcement;						
	a. deformed hard grade bar reinforcement of various diameter in structures.	9,500	kg.				
5.	Extra over concrete for producing a fall faced finish as specified	140	Sq.m				
	To collection						
		6/3					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
WS-3	<u>CONCRETE BLOCK WORK</u>						
1.	Hollow core concrete block, including setting and grouting cement mortar and steel reinforcement;						
	a. 190 mm thick wall	67.2	Sq.m				
	b. 140 mm thick wall	53.6	Sq.m				
	c. 100 mm thick wall	9.4	Sq.m				
2.	Concrete reinforced lintel blocks;						
	a. 100 x 190 mm	3.8	m.				
	b. 140 x 190 mm	2.6	m.				
3.	Concrete reinforced sill blocks;						
	a. 190 x 190 mm	16.8	m.				
	b. 140 x 190 mm	1.2	m.				
4.	Concrete screen block, including setting cement mortar,						
	a. 190 mm thick	28.1	Sq.m				
	To collection						
		6/4					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
WS-4	<u>MISCELLANEOUS METAL</u>						
1.	Roof drain, scupper type, cast iron, including concrete curb with cement mortar bed and 114.3 mm O.D. cast iron pipe 400 mm (Refer to Dwg. A-9-2)	2	No.				
2.	Trench, consisting of 15 -m thick baked coal tar finish cast iron grating cover, 16 x 6 mm flat bar edge, steel angle cont. and cement mortar steel trowel finish, (Refer to Dwg. A-15-1) 160 mm x 1-0 mm D Min.	11.6	m.				
	To collection						
		6/5					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
WS-5	<u>MOISTURE AND THERMAL PROTECTION</u>						
1.	Roofing, consisting of concrete with steel trowel finish, membrane waterproofing, polystyrene foam insulation a-ply with hot bitumen and concrete paver tile	156	Sq.m				
2.	Parapet waterproofing, consisting of cement mortar with steel trowel finish, 1-layer of gravel surfaced waterproofing and 3.0 x 10 mm steel flat bar, including caulking and precast concrete cant, 475 mm H	52.4	m.				
3.	Polyethylene film vapor barrier, on under slab on grade	153	Sq.m				
	To collection						
		6/6					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
WS-7	<u>FINISHES</u>						
	External surfaces;						
1.	Floors;						
	a. Concrete monolithic finish	8.6	Sq.m				
2.	Walls;						
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 25 mm thick	172	Sq.m				
	Internal surfaces;						
3.	Floors;						
	a. Terrazzo tile with cement mortar setting bed, 50 mm thick	15.7	Sq.m				
	b. Mosaic floor tile with cement mortar setting bed, 30 mm thick	4	Sq.m				
	c. Cement mortar with steel trowel finish, 30 mm thick	128.5	Sq.m				
4.	Skirtings;						
	a. Cement mortar with steel trowel finish, 100 mm x 20 mm thick	71.2	m.				
5.	Walls;						
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 20 mm thick	230	Sq.m				
	b. Ceramic wall tile with cement mortar setting bed, 25 mm thick	18.4	Sq.m				
6.	Ceilings;						
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 12 mm thick	13.2	Sq.m				
	b. Asbestos cement board, 6 mm thick, including steel ceiling framing and necessary access panel	3.3	Sq.m				
7.	Terrazzo tile threshold with cement mortar setting bed, 100 mm wide	1.5	m.				
8.	External paintings;						
	a. Acrylic enamel paint, solvent type, 3-coats on cement plaster	172	Sq.m				
		6/8					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
WS-7	<u>FINISHES</u> - Cont'd						
9.	a. Acrylic enamel paint, solvent type, 3-coats, on cement mortar skirting	1.4	Sq.m.				
	b. Emulsion paint, synthetic resin type, 1-primer and 2-coats, on cement plaster wall	40	Sq.m.				
	c. Ditto, on cement plaster ceiling	13.2	Sq.m.				
	d. Emulsion paint, synthetic resin type, 1-primer and 2-coats, on asbestos cement board ceiling	3.3	Sq.m.				
	To collection						
		6/9					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
WS-8	<u>SPECIALITIES</u>						
1.	Toilet accessories;						
	a. Mirror, 455 mm x 608 mm x 5 mm thick	1	No.				
	b. Soap dish	1	No.				
2	Wood opening frame for window type cooler unit, including metal flashing and necessary fixing materials, 650 x 455 mm	1	No.				
	To collection						
		6/10					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
WS-9	<u>FURNISHING</u>						
1.	Wooden shelves, consisting of plywood shelves, painted, 4-rolls (Refer to Dwg. A-18-2, 3, 4 & 5)						
	a. (Refer to Dwg. A-17-3) 600 x 2,200 x 9,000 mm	2	No.				
	b. (Refer to Dwg. A-17-4) 600 x 2,200 x 3,600 mm	2	No.				
	To collection						

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
WS-10	<u>AIR CONDITIONING SYSTEM</u>						
1.	Equipment						
	Air Cooled Window Type; Single Air Conditioner, Complete; Cooling Cap., Power Consumption w/Supporting Frame, Anchor Bolts, Drain Pipe, Expenditure, Blancing & Operating, Maintenance Instructions, Complete Installation						
	a. WAC-501 Comp. 2.OHP 3,300Kcal/H x 2.8Kw (1P-240V)	1	No.				
	To collection						
		6/12					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
WS-12	<u>PLUMBING</u>						
1.	Potable Water Supply System.						
A.	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning, Tests, Sterilization and Painting						
	a. 25mm Diameter	2	m				
	b. 20mm Diameter	13	m				
B.	Gate Valve; 25mm Diameter Crewed, Brass Body, Including Installa- tion	1	No.				
2.	Plumbing Fixture and Fittings						
A.	Water Closet (WC-2); Wash-down Squating Type, 9 Litres Wall Hang Cistern, w/Comp. All Necessary Fittings, and Parts, Including Complete Installation, Protection, and Adjustment	1	No.				
B.	Laboratory; w/Comp. All Necessary Fittings and Parts, Including Complete Installa- tion, Protection, and Adjustment	1	No.				
C.	Service Sink; w/Comp. All Necessary Fittings and Parts, Including Complete Installation, Protection and Adjustment	1	No.				
D.	Hose Bib; 13mm Wall Mount	2	No.				
3.	Soil, Waste and Vent System						
A.	Polyvinylchloride Soil Pipe; Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 150mm Diameter	2	m				
	b. 100mm Diameter	5	m				
	c. 75mm Diameter	2	m				
	d. 65mm Diameter	2	m				
	e. 50mm Diameter	2	m				
	f. 40mm Diameter	3	m				
		6/14					

Item	Description	Quantity	Unit	Unit	Rate	Total	Fl
				DH.	Fls	DH.	Fl
WS-12	<u>PLUMBING</u> - Cont'd						
B.	Polyvinylchloride Vent Pipe Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 50mm Daimeter	8	m				
C.	Floor Clean-out; 100mm Diameter Including All Necessary Parts and Installation	1	No.				
D.	Removalbe Round Strainer; 150mm Diameter, Including All Necessary Parts and Installation	1	No.				
E.	Floor Drain; 50mm Diameter Including All Necessary Parts and Installation	1	No.				
F.	Vent Cap; 50mm Diameter Including All Necessary Parts and Installation	1	No.				
G.	Gasoline Trap; w/Comp. Raised Tread Steel Cover, Handle Rod, All Necessary Parts, Including Installation and Adjustment	1	No.				
	a. 1,200 x 600 x 1,000H						
	To collection						
		6/15					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fl
WS-13	<u>FIRE EXTINGUISHER</u>						
1.	Carbon Dioxide (CO ₂) Extinguisher w/Comp. Wall Hanger, Including Complete Installation						
	Cap. 5lb.	1	No.				
2.	Dry Chemical Extinguisher w/Comp. Wall Hanger, Including Complete Installation						
	Cap. 5lb.	1	No.				
	To collection						
		6/16					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
WS-14	<u>DISTRIBUTION BOARD</u>						
1.	<p>Distribution Board "L"</p> <p>Surface mounted type, 1-phase, 2-wire, 240V, 50Hz, 100 amp. box, with neutral and earthing terminals blocks, main 2P-100AF-75AT moulded case earth-leakage circuit-breaker branches: 9 ea. of 1P-50AF-10AT and 3 ea. of 1P-50AF-15AT miniature circuit breaker.</p>	1	No.				
	To collection						
		6/17					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fils
WS-15	<u>LIGHTING FITTINGS</u>						
1.	Type "A1" Fluorescent lighting fitting industrial type with reflector surface mounted, for 1-40 watts lamp.	1	No.				
2.	Type "A2" as same as Type "A1", except for 2-40 watts lamp..	10	No.				
3.	Type "A3" as same as Type "A1", except for 3-40 watts lamp.	2	No.				
4.	Type "J2" incandescent lighting keyless lamp holder with frosted or phosphor coated lamp, for 1-60 watts lamp.	1	No.				
	Remark:						
	All lighting fittings shall be for 240 volts, 50 HZ system, and control gears shall be high power factor type, rapid starting for 40 watts fluorescent lamps and trigger or glow starting for smaller wattage fluorescent lamps.						
	To collection						
		6/18					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
DM	<u>DORMITORY</u>						
DM-1	<u>EARTH EXCAVATION, BACKFILL AND FILL</u>						
1.	Excavate trench for foundations commencing of reduced level and not exceeding 1.50 meters deep.	63	Cu.m				
2.	Backfill, selected excavated material around foundation.	23	Cu.m				
3.	Selected excavated materials in filling to make up levels under ground slabs, spread, levelled, watered and well compacted in layers not exceeding 15 cm thick as described.	94	Cu.m				
4.	Compaction of subgrade under ground slabs prior to casting concrete thereon to not less than 95 percent maximum density for a depth of 20 cm as determined by modified AASHO T-180 or the latest revision thereof.	327	Sq.m				
5.	Filling with approved imported material spread levelled and compacted in layers not exceeding 20cm in making up levels under ground floor slab.	54	Cu.m				
	To collection						
		7/2					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fils
DM-3	<u>CONCRETE BLOCK WORK</u>						
1.	Hollow core concrete block, including setting and grouting cement mortar, and steel reinforcement;						
	a. 190 mm thick wall	141	Sq.m.				
	b. 140 mm thick wall	97	Sq.m.				
	c. 100 mm thick wall	41	Sq.m.				
2.	Concrete reinforced lintel blocks;						
	a. 190 x 190 mm	2.8	m.				
	b. 100 x 190 mm	6	m.				
3.	Concrete reinforced sill blocks;						
	a. 190 x 190 mm	5.4	m.				
	To collection						
		7/4					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
DM-4	<u>MISCELLANEOUS METAL</u>						
1.	Roof drain, scupper type, cast iron, including concrete curb with cement mortar bed and 114,3 mm O.D. cast iron pipe, 400 mml (Refer to Dwg. A-9-2)	4	No.				
	To collection						

Item	Description	Quantity	Unit	Unit Rate DH.	Rate File	Total DH.	Total File
DM-5	<u>MOISTURE AND THERMAL PROTECTION</u>						
1.	Roofing, consisting of concrete with steel trowel finish, membrane waterproofing, polystyrene foam insulation apply with hot bitumen and concrete paver tile	219	Sq.m.				
2.	Parapet waterproofing, consisting of cement mortar with steel trowel finish, 1-layer of gravel surfaced waterproofing and 30 x 10 mm steel flat bar, including caulking and precast concrete cant;						
	a. 475 mm H	63.2	m.				
	b. 650 mm H	13	m.				
3.	Roofing, waterproofed cement mortar with steel trowel finish, 30 mm thick.	13.5	Sq.m.				
4.	Polyethylene film vapor barrier on under slab on grade	193	Sq.m.				
	To collection						
		7/6					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
DM-6	<u>DOORS, WINDOWS AND GLASS</u>						
1.	Wood extension doors;						
	a. 45 mm thick	2	Sq.m.				
2.	Wood internal doors;						
	a. 35 mm thick	10.4	Sq.m.				
	b. 35 mm thick w/panel transom	8.4	Sq.m.				
3.	Wood fixed windows;						
	a. Fixed windows with doors	14.6	Sq.m.				
4.	Aluminum windows;						
	a. Fixed windows with doors	15.1	Sq.m.				
	b. Sliding windows	2.0	Sq.m.				
	c. Bottom hinged projected windows	1.0	Sq.m.				
	d. Vertical pivoted windows	12.6	Sq.m.				
5.	Wood opening frame, including wood trim, caulking, paint and necessary fixing materials and hardware, for 1,000 x 2,200 mm	1	No.				
	To collection						
		7/7					

Item	Description	Quantity	Unit	Unit Rate DH. Fils	Total DH. Fil
DM-7	<u>FINISHES</u>				
	External surfaces;				
1.	Floors;				
	a. Concrete monolithic finish	75	Sq.m.		
	b. Terrazzo tile with cement mortar setting bed, 50 mm thick	6	Sq.m.		
2.	Walls;				
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 25 mm thick	517	Sq.m.		
3.	Soffit;				
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 12 mm thick	21	Sq.m.		
	Internal surfaces;				
4.	Floors;				
	a. Terrazzo tile with cement mortar setting bed, 50 mm thick	171	Sq.m.		
	b. Mosaic floor tile with cement mortar setting bed, 30 mm thick	21.5	Sq.m.		
5.	Skirting;				
	a. Cement mortar with steel trowel finish, 100 mm x 20 mm thick	122	m.		
6.	Walls;				
	a. Ceramic wall tile with cement mortar setting bed, 25 mm thick	97.5	Sq.m.		
	b. Cement plaster with steel trowel finish, including control joint and plastering accessories, 20 mm thick	345	Sq.m.		
7.	Ceilings;				
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 12mm thick	181.5	Sq.m.		
	b. Asbestos cement board, 6 mm thick, including steel ceiling framing and necessary access panels	21.5	Sq.m.		
		778			

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
DM-7	<u>FINISHRS - Cont'd</u>						
8.	External painting;						
	a. Alkyd enamel paint, solvent type, 2-coats on cement plaster	531	Sq.m.				
9.	Internal painting;						
	a. Acrylic enamel paint, solvent type, 3-coats on cement mortar skirting	12.2	Sq.m.				
	b. Emulsion paint, synthetic resin type, 1-primers and 2-coats, on cement plaster walls	345	Sq.m.				
	c. Ditto, on cement plaster ceiling	181.5	Sq.m.				
	d. Ditto, on asbestos cement board ceiling	21.5	Sq.m.				
10.	Terrazzo tile threshold with cement mortar setting bed, 100 mm wide	7.6	m.				
	To collection						
		7/9					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Fils
DM-8	<u>SPECIALITIES</u>						
1.	Toilet accessories;						
	a. Mirror, 455 mm x 608 mm x 5 mm thick	3	No.				
	b. Soap dish	5	No.				
	c. Stainless steel curtain rod, with flanges, 21.7 mm O.D.	3.5	m.				
	d. Toilet paper holder	2	No.				
2.	Wooden pergola, consisting of posts, Beams, purlins and hurdles, including necessity fastenings, (Refer to Dwg. A6-2-2)						
	a. Type A, 6,500 x 5,800 x 3,190 mm H	1	No.				
	b. Type B, 7,400 x 3,500 x 3,390 mm H	1	No.				
3.	Wood opening frame, for window type cooler unit, including metal flashing, paint and fixing materials, 650 x 455 mm	1	No.				
4.	Wood opening frame, for wall exhaust fan, including paint and necessary fixing materials 200 x 200 mm	1	No.				
	To collection						
		7/10					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
DM-9	<u>FURNISHING</u>						
1.	Wooden closet with pipe hanger, consisting of Bi-Fold door, sliding door, plywood shelf, and stainless steel coat hanger, (Refer to Dwg. A-17-6) 700 x 3,000 x 1,820 mm	4	No.				
2.	Wooden closet with drawer, consisting of Bi-Fold door, sliding door, plywood shelf, stainless steel coat hanger and drawers (Refer to Dwg. A-17-5) 700 x 3,000 x 1,820 mm	4	No.				
3.	Kitchen base cabinet, laminated plastic surfaces, ready made, consisting of laminated plastic and stainless steel counter tops, doors, shelves, drawer and stainless steel sink (Refer to Dwg. A-16-7) 600 x 900 x 3,000 mm	1	No.				
4.	Kitchen wall cabinet, laminated plastic surfaces, ready made, consisting of doors and shelves (Refer to Dwg. A-16-7) 300 x 750 x 3,000 mm	1	No.				
5.	Electric range with oven, commercial grade, 530 x 700 x 850 mm H	1	No.				
	To collection						
		7/11					

Item	Description	Quantity	Unit	Unit Rate		Total	
				DH.	Fils	DH.	Fil.
DM-10	<u>AIR CONDITIONING SYSTEM</u>						
1.	Equipments						
A.	Air Cooled Air Conditioner; Ceiling Type Indoor Unit, Outdoor Com- pressor & Condenser Unit, Complete; Cooling Cap., Power Consumption						
	w/. Concrete Foundation, Anchor Bolts, Supporting Frame, Remote Control Switch, Expenditure, Blancing & Operating, Maintenance Instructions Including Complete Installation						
	a. CAC-601 Compressor 5HP 9,600Kcal/H x 6.5Kw (1P-240V)	1	No.				
	b. CAC-602-605 Compressor 3HP 5,300Kcal/H x 3.9Kw (1P-240V)	4	No.				
B.	Air Cooled Window Type Single Air Conditioner; Complete; Cooling Cap., Power Consumption,						
	w/. Supporting Frame, Anchor Bolts, Drain Pipe, Expenditure, Blancing & Operating, Maintenance Instruc- tions, Complete Installation						
	a. WAC-601 Compressor 2.OHP 3,300Kcal/H x 2.8Kw (1P-240V)	1	No.				
2.	Piping Work						
A.	Refrigerant Piping; Including Copper Tubes, Fittings, Hangers, Insulating, Taping, Sleeves and Opening Expenses, Interconnection Wiring, Expenditure, Complete Installation						
	a. Exposed in the Room Piping						
	(1) 19.05, 12.70mm Diameter	2	m				
	(2) 15.88, 9.53mm Diameter	5	m				
	b. Exposed to Weather Piping						
	(1) 19.05, 12.70mm Diameter	2	m				
	(2) 15.88, 9.53mm Daimeter	13	m				

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
DM-10	<u>AIR CONDITIONING SYSTEM - Cont'd -</u>						
	B. Condensate Drain Piping; Including PVC Pipes, Fittings, Hangers, Painting, Sleeves & Opening Expenses, Expenditure, Complete Installation						
	a. 32mm Diameter	9	m				
	b. 25mm Diameter	14	m				
	To collection						
		7/13					

Item	Description	Quantity	Unit	Unit Rate	Rate	Total	Total
				DH.	Fls	DH.	Fls
DM-11	<u>VENTILATING SYSTEM</u>						
1.	Equipments						
A.	Air Exhaust Fans; Window Propeller Fan, Complete; Air Flow, Fan Diameter, Fan Motor Input w/Shutter, Complete Installation						
	a. EF 601-604 490CMH x 20cm x 30W (1P=240V)	4	No.				
B.	Air Exhaust Fans; Wall Propeller Fan, Complete; Air Flow, Fan Diameter, Fan Motor Input w/Shutter, Complete Installation						
	a. EF-605 580CMH x 20cm x 30W (1P-240V)	1	No.				
C.	Weather Cover; Including Anchor Bolts, Build'up, Painting, Expenditure, Complete Installation	1	LS				
	To collection						
		7/14					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
DM-12	<u>PLUMBING</u>						
1.	Potable Water Supply System						
A.	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning, Tests, Sterilization and Painting						
	a. 25mm Diameter	37	m				
	b. 20mm Diameter	110	m				
B.	Gate Valve; Screwed, Brass Body, w/Comp. Including Installation						
	a. 25mm Diameter	1	No.				
	b. 20mm Diameter (w/Cast-iron Box)	4	No.				
	c. 20mm Diameter	3	No.				
C.	City Water Meter; 25mm Diameter w/Comp. Cast-iron Box, Including Complete Installation	1	No.				
2.	Hot Water Supply System						
A.	Electric Water Heater; Vertical Type w/Comp. Thermostat, Thermometer, Safety Valve, Vacuum Relief Valve, Pressure Reducing Valve, Including Complete Installation						
	a. Heating Element 1.2Kw-240V Capacity 100L (EWH-1)	2	No.				
	b. Heating Element 1.2Kw-240V Capacity 50L (EWH-2)	1	No.				
	c. Heating Element 1.0Kw-240V Capacity 30L (EWH-3)	1	No.				
B.	Copper Tubing; Type-L, Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning, Tests, Sterilization, Insulation and Painting						
	a. 13mm Diameter	44	m				
		7/15					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil.
DM-12	<u>PLUMBING</u> - Cont'd						
3.	Plumbing Fixtures and Fittings						
A.	Water Closet (WC-1); Syphonic Wash-down W.C. Close Coupled 9 Litres Cistern, w/Comp. All Necessary Fittings and Parts Including Complete Installation, Protection and Adjustment	2	No.				
B.	Water Closet (WC-2); Wash-down Squating Type, 9 Litres Wall Hang Cistern w/Comp. All Necessary Fittings and Parts, Including Complete Installation, Protection and Adjustment	1	No.				
C.	Laboratory; w/Comp. All Necessary Fittings and Parts, Including Complete Installation, Protection, and Adjustment	3	No.				
D.	Bidet; w/Comp. All Necessary Fittings and Parts, Including Complete Installation, Protection and Adjustment	2	No.				
E.	Bath Tub; w/Comp. Bath Mixer, Shower Head, Hose Rest, Wall Hanger, Twin Hand Grips, Combined Chain Waste and Over Flow. All Necessary Fittings and Parts, Including Complete Installation, Protection and Adjustment						
F.	Shower Mixer; w/Comp. Stop Cock, Shower Head, All Necessary Fittings and Parts, Including Complete Installation, Protection and Adjustment	1	No.				
G.	Miscellaneous Fixtures and Fittings w/Comp. All Necessary Fittings and Parts, Including Complete Installation, Protection and Adjustment						
	a. Faucet; Combination Type 13mm	1	No.				
	b. Hose Bib; 13mm Floor Mount (w/Cast-iron)	2	No.				
4.	Soil, Waste and Vent System						
A.	Polyvinylchloride Soil Pipe; Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 100mm Diameter	62	m				
	b. 75mm Diameter	5	m				
	c. 65mm Diameter	4	m				
		7/16					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
DM-12	<u>PLUMBING</u> - Cont'd						
	d. 50mm Diameter	7	m				
	e. 40mm Diameter	12	m				
B.	Polyvinylchloride Vent Pipe; Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 50mm Diameter	20	m				
C.	Floor Clean-out; 100mm Diameter Including All Necessary Parts and Installation	3	No.				
D.	Floor Drain; 50mm Diameter Including All Necessary Parts and Installation	1	No.				
E.	Bath Room Floor Drain; 50mm Diameter Including All Necessary Parts and Installation	2	No.				
F.	Vent Cap; 50mm Diameter Including All Necessary Parts and Installation	3	No.				
	To collection						
		7/17					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
DM-13	<u>FIRE EXTINGUISHER</u>						
1.	Carbon Dioxide (CO ₂) Extinguisher w/Comp. Wall Hanger, Including Complete Installation						
	Cap 5lb.	2	No.				
	Collection						
		7/18					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
DM-16	<u>CABLES AND FITTINGS</u>						
1.	Cables p.v.c. insulated 1000V;						
	a. 1.5 sqmm.	920	M				
	b. 2.5 sqmm.	650	M				
2.	Conduit p.v.c. heavy duty;						
	a. 19 mm.	310	M				
	b. 25 mm.	120	M				
	c. 50 mm.	20	M				
	d. 70 mm.	20	M				
3.	Outlet box p.v.c. provided with lighting fitting mounting reinforcement.	23	No.				
4.	Socket-outlet 3-pin 13 amp. type with box and cover plate, and male plug.	19	No.				
5.	Wall switch 1P, 5 amp. with box and cover plate.	15	No.				
6.	Motors and control devices connection work with oil tight flexible conduit and connectors.						
	a. air-conditioning equipment.	10	No.				
	b. thermostat room type.	5	No.				
7.	Miscellaneous work and materials.	1	LS				
8.	Earthing work	1	LS				
	To collection						
		7/21					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
DM-17	<u>FIRE ALARM SYSTEM</u>						
1.	Metal encased miniature circuit-breaker 1P-50AF-10AT with neutral and earthing terminals.	1	No.				
2.	Fire alarm control panel, flush mounted type, 1-phase, 240 volts input, consisting of:	1	No.				
	a. 3 window illuminated annunciator panel.						
	b. 24 volts d.c. nickel-cadmium batteries having the capacity to serve the system for 10 hours and enable to actuate bells continuously for 30 minutes.						
	c. Automatic trickle battery charger for the battery described above.						
	d. Relay for future connection to fire station through telephone system, and automatic fire detection system.						
3.	Break-glass manual fire alarm station flush mounted.	2	No.				
4.	Fire alarm bell 150 mm ϕ , 240 volts d.c. box to be flush mounted type.	2	No.				
5.	Cables and conduit fittings;						
	a. wire p.v.c. insulated 1.5 sqmm.	210	M				
	b. conduit p.v.c. heavy duty orange coloured.						
	(i) 19 mm ϕ .	20	M				
	(ii) 25 mm ϕ .	30	M				
	To collection						
		7/22					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
	<u>BILL NO.8</u>						
	<u>SUB-STATION</u>						
	<u>SUB-COLLECTION</u>						
ST	<u>SUB-STATION</u>						
ST- 1	EARTH EXCAVATION, BACKFILL AND FILL						
ST- 2	CONCRETE						
ST- 3	CONCRETE BLOCK WORK						
ST- 4	MISCELLANEOUS METAL						
ST- 5	MOISTURE AND THERMAL PROFECTION						
ST- 6	DOORS, WINDOWS AND GLASS						
ST- 7	FINISHES						
ST- 8	PLUMBING						
ST- 9	POWER SYSTEM						
ST-10	EMERGENCY GENERATOR PLANT SYSTEM						
ST-11	FEEDER WIRING						
ST-12	LIGHTING AND SMALL POWER SYSTEM						
	<u>SUB-COLLECTION OF BILL NO.8</u>						
						DH	
							8/1

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Flis	Total DH.	Total Flis
ST	<u>SUB-STATION</u>						
ST-1	<u>EARTH EXCAVATION, BACKFILL AND FILL</u>						
1.	Excavate trench for foundations commencing at reduced level and not exceeding 1.50 meters deep.	52	Cu.m				
2.	Backfill, selected excavated material around foundation.	23	Cu.m				
3.	Selected excavated materials in filling to make up levels under ground slabs, spread, levelled, watered and well compacted in layers not exceeding 15 cm thick as described.	27	Cu.m				
4.	Compaction of subgrade under ground slabs prior to casting concrete thereon to not less than 95 percent maximum density for a depth of 20 cm as determined by modified AASHO T-180 or the latest revision thereof.	108	Sq.m				
5.	Remove surplus excavated materials from site.	2	Cu.m				
	To collection						
		8/2					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
ST-3	<u>CONCRETE BLOCK WORK</u>						
1.	Hollow core concrete block, including setting and grouting cement mortar, and steel reinforcement;						
	a. 190 mm thick wall	119	Sq.m.				
	b. 140 mm thick wall	48.3	Sq.m.				
2.	Concrete reinforced lintel block,						
	a. 190 x 190 mm	10.4	m.				
	b. 140 x 190 mm	2.4	m.				
3.	Concrete screen block, including setting cement mortar,						
	a. 190 mm thick	37.2	Sq.m.				
	b. 140 mm thick	12.2	Sq.m.				
4.	Precast concrete block, for exhaust pipe, 600 x 600 x 190 mm thick	1	No.				
	To collection						
		8/4					

Item	Description	Quantity	Unit	Unit Rate DH. Fils	Total DH. Fils
ST-4	<u>MISCELLANEOUS METAL</u>				
1.	Roof drain, scupper type, cast iron, including precast concrete curb with cement mortar bed and 114.3 mm O.D. cast iron pipe, 400 mm1 (Refer to Dwg. A-9-2)	2	No.		
2.	Stainless steel ladder, 22 mm ϕ stainless steel pipe, including 50 x 9 mm stainless steel cleats anchored to concrete structures (Refer to Dwg. A-15-7)				
	a. 300 mm W x 4,800 mm H	1	No.		
	b. 300 mm W x 2,600 mm H	1	No.		
3.	Cast iron manhole cover and frame, baked coal tar finish, (Refer to Dwg. A-15-9) 648 mm dia.	1	No.		
4.	Trench cover, consisting of 4.5 mm thick steel checkered plate cover, angle stiffeners, angle edge with anchor straps and paint finish (Refer to Dwg. A-15-4)	10.2	Sq.m.		
5.	Steel hook, 3,500 kg loading capacity, anchored to concrete beam, (Refer to Dwg. A-15-6)	1	No.		
	To collection				
		8/5			

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
ST-5	<u>MOISTURE AND THERMAL PROTECTION</u>						
1.	Roofing, consisting of concrete with steel trowel finish, membrane waterproofing, polystyrane foam insulation apply with hot bitumen, and concrete paver tilo	134	Sq.m.				
2.	Parapet waterproofing, consisting of cement mortar with steel trowel finish, 1-layer of gravel surfaced waterproofing and 30 x 10 mm steel flat bar, including caulking and precast concrete cast, 475 mm H	65.8	m.				
3.	Waterproofed cement mortar with steel trowel finish, 25 mm thick on pit	6.9	Sq.m.				
4.	Polyethylene film vapor barrier on under slab on grade	138	Sq.m.				
	To collection						
		8/6					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
ST-7	<u>FINISHES</u>						
	External surfaces;						
1.	Floors;						
	a. Concrete monolithic finish	9.6	Sq.m.				
2.	Walls;						
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories; 25 mm thick	257	Sq.m.				
	Internal surfaces;						
3.	Floors;						
	a. Cement mortar with steel trowel finish, 30 mm thick	83	Sq.m.				
	b. Gravel surfaces, 300 mm thick	32	Sq.m.				
4.	Skirtings;						
	a. Cement mortar with steel trowel finish, 100 mm x 20 mm thick	86	m.				
5.	Walls, columns and girders;						
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 20 mm thick	320	Sq.m.				
6.	Cement mortar with steel trowel finish;						
	a. On equipment foundations, 30 mm thick	12	Sq.m.				
	b. On cable trench, 25 mm thick	28	Sq.m.				
7.	External painting;						
	a. Acrylic enamel paint, solvent type, 3-coats, on cement plaster	257	Sq.m.				
	b. Ditto, on concrete screen block	145	Sq.m.				
	To collection						

Item	Description	Quantity	Unit	Unit Rate	Rate	Total	Total
				DH.	Fils	DH.	Fil
ST-8	<u>PLUMBING</u>						
1.	Potable Water Supply System						
A.	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning, Tests, Sterilization and Painting						
	a. 20mm Diameter	2	m				
B.	Gate Valve; 20mm Diameter Screwed, Brass Body, Including Installation	1	No.				
C.	Hose Bib; 13mm Wall Mount Including Complete Installation	1	No.				
	To collection						
		8/9					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
ST-9	<u>POWER SYSTEM</u>						
1.	<p>Medium-voltage main switchgear</p> <p>Cubicle mounted type consists of circuit-breakers, metring equipment, and by-pass circuit creating device compartments for 3-phase 4 wire 240/415 volts 50 H.Z. system. Switchgear cubicle shall contain the following items:</p> <p>(a) Section 1, metring compartment containing the follows:</p> <p>(1) A.C. volt metre 0-600 volts range, Class 1.5 wide angle indication type ---- 1 No.</p> <p>(2) A.C. ammetre 0-2400 amp. range, Class 1.5 wide angle indication type ----- 1 No.</p> <p>(3) Current transformer 5/2000 amp. 600 volts Class 1.0 --- 2 No.</p> <p>(4) Phase selecting switch for volt metre ----- 1 No.</p> <p>(5) Ditto for ammtre -- 1 No.</p> <p>(6) Metring socket for power company's kwh. metre --- 1 No.</p> <p>(b) Section 2, fixed mounted moulded ease circuit-breaker 3-pole 2000 amp. frame tripless 480 volts A.C. ----- 2 No.</p> <p>(c) Section 3, moulded case manual change-over motor operated circuit-breaker 6 pole 2000 amp. frame tripless fixed mount type ----- 1 No.</p> <p>(d) Section 4, fixed mounted moulded ease system circuit-breaker 3-pole 2000 amp. frame 1600 amp. trip setting 480 volts a.c. with all accessory equipment necessary for protection against over-current, short circuit, and earth-leakage current. Minimum rupturing capacity 100,000 amp. symmetrical. ----- 1 No.</p> <p>The switchgear shall be factory wired and bus shall be 2000 amp. copper and can sustain short circuit current.</p>	1	No.				
		8/10					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
ST-9	<u>POWER SYSTEM - Cont'd</u>						
2.	Automatic Voltage Stabilizer	1	No.				
	<p>Oil immersed self or forced cool automatic voltage stabilizer for 3-phase, 4-wire, 240/415 volts, 50 HZ, 800 k.v.a. circuit.</p> <p>Voltage adjustable range \pm 20% all control shall be set at front control panel, with pilot light and volt meter and other manufacturer's standard equipment to be attached with the unit.</p>						
3.	Throat Section for Incoming and Outgoing Lines of Automatic Voltage Stabilizer.	2	No.				
	<p>The section shall consist of 2000 amp., 3-phase, 4-wire, 600 volts copper bus and connecting terminals, and to be shrouded with the same materials with other cubicles.</p>						
4.	Medium Voltage Distribution Switchgear "MS"						
	<p>Self-standing type for 3-phase, 4-wire, 240/415 volts, 50 HZ. system, consisting of:</p>	1	No.				
	(1) Moulded case earth-leakage, circuit-breaker, 3P-800AF, 800AT ----- 1 EA.						
	(2) Moulded case circuit-breaker, 3P-400AF-350AT ----- 1 EA.						
	(3) Ditto, 3P-400AF-250AT ----- 1 EA.						
	(4) Ditto, 3P-100AF-75AT ----- 1 EA.						
	(5) Ditto, 3P-100AF-60AT ----- 3 EA.						
	(6) Ditto, 3P-100AF-50AT ----- 1 EA.						
	(7) Ditto, 3P-100AF-40AT ----- 1 EA.						
	<p>Minimum rupturing capacity shall be 22000 sym. amp. and bus capacity shall be 2000 amp.</p>						
		8/11					

Item	Description	Quantity	Unit	Unit Rate	Rate	Total	Fil
				DH.	Fils	DH.	Fil
ST-10	<u>EMERGENCY GENERATOR PLANT SYSTEM</u>						
1.	Diesel Engine Driven Generator						
	Skid mount air-cooled diesel engine driven emergency generator 3-phase, 4-wire, 240/415 volts, 50 HZ completed with cooling and fueling system and electrical starting and main circuit-breaker the set shall include all necessary vibration absorbing mounting device and other materials.	1	No.				
2.	Undeground Fuel Storage Tank						
	4000 litters capacity, prefabricated at the factory with all necessary threaded openings to be required at the site, thickness of sheet steel shall be 5mm including concrete foundation and earthing work.	1	No.				
3.	Fuel Storage Day Tank						
	Floor-mounted, 1000 litters capacity, thickness of sheet steel shall be 3mm the tank supporting frame shall be also assembled at the factory.	1	No.				
4.	Fuel System Piping Work						
	Supplying and returning fuel pipe lines between an underground fuel storage tank, a day tank, and a diesel engine driven generator, including follows:	1	LS				
	(1) a fractional horsepower fuel oil circulating pump.						
	(2) a fuel oil supply shut-off valves.						
	(3) ditto, solenoid valve.						
	(4) safety valves.						
	(5) oil strainer.						
	(6) fuel level control system.						
	(7) flexible connections.						
	(8) vent system.						
	(9) all other necessary work to be required for the function.						
		8/14					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
ST-10	<u>EMERGENCY GENERATOR PLANT SYSTEM - Cont'd</u>						
5.	Control and Power Wiring Connection Work	1	LS				
6.	Testing Work	1	LS				
	To Collection						
		8/15					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
SWW	<u>SEA WATER INTAKE WELL</u>						
SWW-1	<u>EARTH EXCAVATION, BACKFILL AND FILL</u>						
1.	Excavate trench for foundations Commencing at reduced level more than 1.50 meter deep.	243	Cu.m				
2.	Backfill, selected excavated material around foundation.	18	Cu.m				
3.	Compaction of subgrade under ground slabs prior to casting concrete there- on to not less than 95 percent maximum density for a depth of 20 cm as determined by modified AASHO T-180 or the latest revision thereof.	6	Sq.m				
4.	Remove surplus excavated materials from site.	225	Cu.m				
	To collection						
		9/2					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
SWW-3	<u>CONCRETE BLOCK WORK</u>						
1.	Hollow core concrete block, including setting and grouting cement mortar and steel reinforcement;						
	a. 190 mm thick wall	42	Sq.m.				
2.	Concrete reinforced lintel block'						
	a. 190 x 190 mm	2.4	m.				
3.	Concrete reinforced sill block;						
	a. 190 x 190 mm	2	m.				
	To collection						
		9/4					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil.
SWW-4	<u>MISCELLANEOUS METAL</u>						
1.	Cast iron manhole cover and frame, baked coal tar finish (Refer to Dwg. A-15-9) 648 mm dia.	1	No.				
2.	Stainless steel step, anchored to concrete walls (Refer to Dwg. A-15-5) 22 mmφ x 400 x 350 mm	12	No.				
	To collection						
		9/5					

Item	Description	Quantity	Unit	Unit	Rate	Total	Fil
				DH.	Fils	DH.	Fil
SWW-5	<u>MOISTURE AND THERMAL PROTECTION</u>						
1.	Roofing, waterproofed cement mortar with steel trowel finish, 30 mm thick	35.2	Sq.m.				
2.	Waterproofed cement mortar with steel trowel finish, on tank floor and wall, 25 mm thick	194	Sq.m.				
	To collection						
		9/6					

Item	Description	Quantity	Unit	Unit Rate DH. Fils	Total DH. Fil
SWW-7	<u>FINISHES</u>				
	External surfaces;				
1.	Floors;				
	a. Concrete monolithic finish	4	Sq.m.		
2.	Walls;				
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 25 mm thick	74	Sq.m.		
	b. Cement plaster roof edge with steel trowel finish, 40 mm x 60 mm	25.2	m.		
	Internal surfaces;				
3.	Floors;				
	a. Cement mortar with steel trowel finish, 30 mm thick	30.5	Sq.m.		
4.	Skirting;				
	a. Cement mortar with steel trowel finish, 100 mm x 20 mm thick	21.7	m.		
5.	Wall;				
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 20 mm thick	65.3	Sq.m.		
6.	External painting;				
	a. Acrylic enamel paint, solvent type, 3-coats on cement plaster	76.2	Sq.m.		
	To collection				
		9/8			

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
SWW-8	<u>PLUMBING</u>						
1.	Potable Water Supply System						
A.	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning, Tests, Sterilization and Painting						
	a. 20mm Diameter	20	m				
B.	Gate Valve; 20mm Diameter Screwed, Brass Body, Including Installation	8	No.				
C.	Check Valve; 20mm Diameter Screwed, Brass Body, Including Installation	6	No.				
D.	Float Control Valve; 20mm Diameter Screwed, Brass Body, Including Installation	1	No.				
E.	Hose Bib; 13mm Wall Mount Including Installation	1	No.				
2.	Soil, Waste and Vent System						
A.	Polyvinylchloride Waste Pipe; Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 40mm Diameter	6	m				
	b. 32mm Diameter	2	m				
B.	Gate Valve; 32mm Diameter Screwed, Brass Body, Including Installation	1	No.				
	To collection						
		9/9					

Item	Description	Quantity	Unit	Unit Rate DH. Fils	Total DH. Fils
SWW-9	<u>SEA WATER SYSTEM</u>				
1.	Sea Water Supply System				
A.	Sea Water Intake Pump; Multi-stage Centrifugal Stainless Pump Bore 150mm Cap. 3,500l/min Head 25m Motor 22Kw (3 ϕ -415V-50Hz) w/Comp. Common Base, Concrete Founda- tion, Pressure Gauge, Anchor Bolts, Finish Painting, Including Complete Installation	5	No.		
B.	Make-up Water Tank; FRP Tank Water Cap. 300l w/Comp. Wall Brackets, Anchor, Including Complete Installation	1	No.		
C.	Polyvinylchloride Pipe; Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests				
	a. 200mm Diameter	61	m		
D.	Gate Valve; 200mm Diameter Flanged, PVC Body, Including Complete Installation	9	No.		
E.	Check Valve; 200mm Diameter Flanged, PVC Body, Including Complete Installation	5	No.		
F.	Flexible Joint; 200mm Diameter Including Supports and Installation	10	No.		
	To collection				
		9/10			

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
SWW-10	<u>DISTRIBUTION BOARD</u>						
	<p data-bbox="220 293 592 322">1. Distribution Board "EP1"</p> <p data-bbox="220 353 807 629">Surface mounted type, 3-phase, 4-wire, 240/415V, 50HZ, 225 amp. bus, with neutral and earthing terminals blocks, main 3P-225AF-175AT moulded case circuit-breaker, branches: 5 ea. of 3P-100AF-100AT and 2P-50AF-10AT earth-leakage circuit-breaker, and provide one space for 3P-100AF C.B.</p> <p data-bbox="341 1816 544 1845">To collection</p>	1	No.				
		9/11					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
SWW-12	<u>LIGHTING FITTINGS</u>						
1.	Type "A2" Fluorescent lighting fitting industrial type with reflector surface mounted, for 2-40 watts lamps. Control gear shall be high-power factor, rapid start type for 240 volts, 50HZ system.	1	No.				
	To collection						

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
<u>BILL NO.10</u>							
<u>SEA WATER RESERVOIR</u>							
<u>SUB-COLLECTION</u>							
SWR	<u>SEA WATER RESERVOIR</u>						
SWR- 1	EARTH EXCAVATION, BACKFILL AND FILL						
SWR- 2	CONCRETE						
SWR- 3	CONCRETE BLOCK WORK						
SWR- 4	MISCELLANEOUS METAL						
SWR- 5	MOISTURE AND THERMAL PROTECTION						
SWR- 6	DOORS, WINDOWS AND GLASS						
SWR- 7	FINISHES						
SWR- 8	PLUMBING						
SWR- 9	SEA WATER SYSTEM						
SWR-10	DISTRIBUTION BOARD						
SWR-11	MOTOR CONTROL EQUIPMENT						
SWR-12	LIGHTING FITTINGS						
SWR-13	CABLE AND FITTINGS						
<u>SUB-COLLECTION OF BILL NO.10</u>							
						DH	
		10/1					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
SWR	<u>SEA WATER RESERVOIR</u>						
SWR-1	<u>EARTH EXCAVATION, BACKFILL AND FILL</u>						
1.	Excavate trench for foundations commencing at reduced level and not exceeding 1.50 meters deep.	31	Cu.m				
2.	Backfill, selected excavated material around foundation	11	Cu.m				
3.	Selected excavated materials in filling to make up levels under ground slabs, spread, levelled, watered and well compacted in layers not exceeding 15 cm thick as described.	16	Cu.m				
4.	Compaction of subgrade under ground slabs prior to casting concrete thereon to not less than 95 percent maximum density for a depth of 20 cm as determined by modified AASHO T-180 or the latest revision thereof.	62	Sq.m				
5.	Remove surplus excavated materials from site.	4	Cu.m				
	To collection						
		10/2					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
SWR-2	<u>CONCRETE</u>						
1.	Reinforced concrete class "A" with sulphate resisting cement;						
	a. in foundations	1	Cu.m				
	b. in grade beams	17	Cu.m				
	c. in ground slab	29	Cu.m				
	d. in sea water tanks	39	Cu.m				
2.	Reinforced concrete class "A" with ordinary portland cement;						
	a. in beams	5	Cu.m				
	b. in slabs	15	Cu.m				
3.	Plain concrete class "B" with sulphate resisting cement;						
	a. in 60 mm thick layer of blinding	168	Sq.m				
4.	Reinforcement;						
	a. deformed hard grade bar reinforcement of various diameter in structures	8,600	kg				
5.	Extra over concrete for producing a fair faced finish as specified	184.2	Sq.m				
6.	Plain concrete, class "B" with ordinary Portland cement						
	a. on floor slab, 100 mm thick	1.4	Sq.m				
	b. on floor slab, 200 mm thick	55.9	Sq.m				
7.	Floor reinforcement, woven wire fabric, 100 x 100 mm - #6/#6	55.9	Sq.m				
	To collection						
		10/3					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
SWR-3	<u>CONCRETE BLOCK WORK</u>						
1.	Hollow core concrete block, including setting and grouting cement morder and steel reinforcement;						
	a. 190 mm thick wall	18.4	Sq.m.				
2.	Concrete reinforced lintel block,						
	a. 190 x 190 mm	2.4	m.				
3.	Concrete reinforced sill block,						
	a. 190 x 190 mm	2	m.				
4.	Concrete screen block, including setting cement mortar,						
	a. 190 mm thick	4	Sq.m.				
	To collection						
		10/4					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
SWR-4	<u>MISCELLANEOUS METAL</u>						
1.	Cast iron manhole cover and frame, baked coal tar finish (Refer to Dwg. A-15-9) 648 mm dia.	2	No.				
2.	Stainless steel steps, anchored to concrete walls, (Refer to Dwg. A-15-5) 32 mm ϕ x 400 x 350 mm	16	No.				
	To collection						
		10/5					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fils
SWR-5	<u>MOISTURE AND THERMAL PROTECTION</u>						
1.	Roofing, waterproofed cement mortar with steel trowel finish, 30 mm thick	84.1	Sq.m.				
2.	Waterproofed cement mortar with steel trowel finish, on tank floor and wall, 25 mm thick	262	Sq.m.				
3.	Polyethylene film vapor barrier on underlab on grade	16	Sq.m.				
4.	Caulking with back-up material, on wall intersection, 10 x 25 mm	6.4	m.				
	To collection						
		10/6					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
SWR-6	<u>DOORS, WINDOWS AND GLASS</u>						
1.	Aluminum door, w/louwered 40 mm thick	4.4	Sq.m.				
2.	Aluminum windows;						
	a. Sliding window	3.2	Sq.m.				
	To collection						
		10/7					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
SWR-7	<u>FINISHES</u>						
	External Surfaces;						
1.	Floors;						
	a. Concrete monolithic finish	3.9	Sq.m.				
2.	Walls;						
	a. Cement plaster with steel trowel finish, including control joint and plastering accessories, 25 mm thick	31.1	Sq.m				
	b. Cement plaster roof edge with steel trowel finish, 40 mm x 60 mm	12	m.				
	Internal surfaces;						
3.	Floors;						
	a. Cement mortar with steel trowel finish, 30 mm thick	13.8	Sq.m				
4.	Skirting;						
	a. Cement mortar with steel trowel finish, 100 mm x 20 mm thick	12.9	m.				
5.	Wall;						
	a. Cement plaster with steel trowel finish, including control joing and plastering accessories, 20 mm thick	38.1	Sq.m				
6.	External painting;						
	a. Acrylic enamel paint, solvent type, 3-coats, on cement plaster	32.3	Sq.m				
	b. Ditto, on fair faced concrete	93.3	Sq.m				
	To collection						
		10/8					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
SWR-8	<u>PLUMBING</u>						
1.	Potable Water Supply System						
A.	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning, Tests, Sterilization and Painting						
	a. 20mm Diameter	2	m				
B.	Gate Valve; 20mm Daimeter Screwed, Brass Body, w/Comp. Including Installation	1	No.				
C.	Hose Bib; 13mm Wall Mount w/Comp. Including Installation	1	No.				
	To collection						
		10/9					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
SWR-9	<u>SEA WATER SYSTEM</u>						
1.	Sea Water Supply System						
A.	Polyvinylchloride Pipe; Including Pipe Fittings, Supports, Hangers, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 200mm Diameter	33	m				
B.	Gate Valve; 200mm Diameter Flanged PVC Body, w/Comp. Flanges, Bolts, Packing, Including Installation	8	No.				
C.	Check Valve; 200mm Diameter Flanged PVC Body, w/Comp. Flanges, Bolts, Packing, Including Installation	3	No.				
D.	Flexible Joint; 200mm Diameter Including Supports and Installation	6	No.				
E.	Butterfly Valve; 150mm Diameter Flanged, PVC Body, w/Comp. Flanges, Bolts, Packing, Including Installation	1	No.				
2.	Sea Water Lift Pump; Multi-stage Centrifugal Stainless Steel Pump Bore 125mm Cap 2,350 l/min Head 16m Motor 11 kw (3φ-415V-50Hz) W/Comp. Common Base, Concrete Foundation, Pressure Gauge, Anchor Bolts, Finish Painting Including Complete Installation	3	No.				
	To collection						
		10/10					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fil
SWR-10	<u>DISTRIBUTION BOARD</u>						
1.	Distribution Board "EP3"						
	<p>Surface mounted type, 3-phase, 4-wire, 240/415V, 50HZ, 100 amp. box, with neutral and earthing terminals blocks, main 4P-100AF-50AT moulded case earth-leakage circuit-breaker, branches: 3 ea. of 3P-50AF-50AT and 1 ea. of 1P-50AF-15AT miniature circuit-breaker, and provide one space for 3P-50AF C.B.</p>	1	No.				
	To collection						

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
SWR-11	<u>MOTOR CONTROL EQUIPMENT</u>						
1.	Wall mounted type, across the line voltage motor starter in dust-tight metal enclosure, with control transformer hand-off-auto selector switch; for 3-phase, 415 volts, 11 kw pump motor.	3	No.				
2.	Water level control relay cabinet, consisting of: low-limit cut-off relays, high and low level control relays, individual relay shall be completely enclosed by plastic case and all connections shall be made through socket pre-wired at the factory, and cabinet shall be dust-tight type, with 240V-110V control transformer, and automatic alternating relay.	3	No.				
3.	Level control floatless electroce complete with holder and control wires in metal conduit:						
	a. 2 electrodes type	1	No.				
	b. 3 electrodes type	2	No.				
	To collection						
		10/12					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
SWR-12	<u>LIGHTING FITTING</u>						
1.	Type "A2" Fluorescent lighting fitting industrial type with reflector surface mounted, for 2-40 watts lamps. Control gear shall be high-power factor, rapid start type for 240 volts, 50 HZ system.	1	No.				
	To collection						
		10/13					

Item	Description	Quantity	Unit	Unit	Rate	Total	Total
				DH.	Fils	DH.	Fil
SWR-13	<u>CABLE AND FITTINGS</u>						
1.	Cables p.v.c. insulated 1000V;						
	a. 1.5 sqmm	50	M				
	b. 2.5 sqmm	10	M				
	c. 10 sqmm	60	M				
	d. 6 sqmm	30	M				
2.	Conduit p.v.c. heavy duty;						
	a. 19 mm ϕ	30	M				
	b. 25 mm ϕ	20	M				
	c. 40 mm ϕ	15	M				
3.	Outlet box p.v.c. provided with lighting fitting mounting reinforcement.	1	No.				
4.	Wall switch 1 pole, 5 amp. with box and cover plate.	1	No.				
5.	Socket-outlet 3-pin, 13 amp. type with box and cover plate and male plug.	1	No.				
6.	Motor connections work with oiltight flexible conduit and connectors.	1	LS				
7.	Miscellaneous materials and work.	1	LS				
	To collection						
		10/14					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
ES	<u>EXTERNAL STRUCTURES AND WORKS</u>						
ES-1	<u>CAR SHEDS</u>						
1.	Wood car shed, consisting of concrete foundations; wooden posts, girders, beams, purlins and wooden hurdles, including all necessary fixing materials. (Refer to Dwg. A-19)						
a.	For staff, 9,000 x 33,000 x 2,350 mm clear height	1	No.				
b.	For guest, 3,000 x 36,000 x 2,350 mm clear height	2	No.				
	To collection						
		11/2					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
ES-2	<u>CONCRETE BLOCK FENCE</u>						
1.	Concrete block fence, consisting of concrete foundations, 140 mm thick concrete block wall, concrete bond beam, steel reinforcement and cement plaster with steel trowel finish, surfaces to be painted, (Refer to Dwg. A6-3-3A)						
	a. 2,300 mm H	62.4	m.				
	To collection						

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
ES-3	<u>CONCRETE CURB</u>						
1.	Precast concrete curb, including blinding concrete and necessary earthwork, (Refer to Dwg. A-2-10)						
	a. Type A, 150 x 250 mm H	128.5	m.				
	b. Type B, 150 x 250 mm H	44.8	m.				
	To collection						
		11/4					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
ES-4	<u>SIDEWALKS</u>						
1.	Paving tile surfaced sidewalk, consisting of 300 x 300 x 30 mm paving tile with sand cushion, precast concrete curb bothside edges and blind concrete, (Refer to Dwg. A-2-1A)						
	a. 4,000 mm wide	52	m.				
2.	Ceramic tile surfaced sidewalk, consisting of concrete floor slab with edges, blinding concrete and 50 mm thick ceramic floor tile with cement mortar setting bed, (Refer to Dwg. A-2-1B)						
	a. 2,000 mm wide	54	m.				
	To collecti To collection						
		11/5					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Fils
ES-5	<u>GARDEN</u>						
1.	Garden, consisting of lawn and 30 mm deep sweet soil, including necessary fertilizer	2,753	Sq.m				
	To collection						

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
	<u>BILL NO.12</u>						
	<u>EXTERNAL MECHANICAL WORK</u>						
	<u>SUB-COLLECTION</u>						
EMW	<u>EXTERNAL MECHANICAL WORK</u>						
EMW-1	Plumbing						
EMW-2	Sea Water System						
EMW-3	Air Distribution System						
	<u>SUB-COLLECTION OF BILL NO.12</u>				DH		

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
EMW-1	PLUMBING						
1.	City Water Supply System						
A	Asbestos Cement Pipe Including Pipe Fittings, Supports, Pipe Installation, Cleaning, Tests and Sterilization: 100mm Diameter	69	m				
B	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Pipe Installation, Cleaning, Tests, and Sterilization						
a.	32mm Diameter	105	m				
b.	25mm Diameter	119	m				
C	Gate Valve, Franged, Cast Iron with Complete Franges, Bolts, Packing Including Installation	1	No.				
2.	Potable Water Supply System						
	Galvanized Steel Pipe "Schedule 40" Including Pipe Fittings, Supports, Pipe Installation, Cleaning, Tests, and Sterilization						
a.	75mm Diameter	83	m				
b.	50mm Diameter	116	m				
c.	40mm Diameter	5	m				
d.	32mm Diameter	63	m				
e.	25mm Diameter	47	m				
f.	20mm Diameter	82	m				
3.	Soil, and Waste System						
A.	Septic Tank; Made of Fibreglass w/Comp. Cast Iron Covers, Concrete Foundation, Including Excavation, Installation, Backfill, Compaction, and Tests						
a.	Cap. 2,275m ³ (ST-1)	2	No.				
b.	Cap. 3,412m ³ (ST-2)	1	No.				
c.	Cap. 4,550m ³ (ST-3)	2	No.				
B.	Soak Away; w/Comp. Cast Iron Covers Including Excavation, Installation, Backfill, Compaction and Tests						
a.	2,000mm Diameter	2	No.				
b.	1,500mm Diameter	3	No.				
		12/2					

Item	Description	Quantity	Unit	Unit Rate DH.	Rate Fils	Total DH.	Total Fils
EMW-1	<u>PLUMBING</u> - Cont'd						
C.	Polyvinylchloride Soil Pipe; Including Pipe Fittings, Supports, Pipe Installation, Cleaning and Tests						
	a. 100mm Diameter	69	m				
	b. 65mm Diameter	5	m				
D.	Inverted Manhole; Reinforced Concrete w/Comp. Cast Iron Frame and Cover Including Excavation, Foundation, Installation, Backfill, Compaction, Cleaning and Tests						
	a. 450 x 450 x 600 depth	1	No.				
	b. 450 x 450 x 560 depth	1	No.				
	c. 450 x 450 x 550 depth	1	No.				
	d. 450 x 450 x 530 depth	1	No.				
	e. 450 x 450 x 520 depth	1	No.				
	f. 450 x 450 x 500 depth	1	No.				
	g. 450 x 450 x 490 depth	2	No.				
	h. 450 x 450 x 450 depth	1	No.				
	i. 450 x 450 x 440 depth	1	No.				
	j. 450 x 450 x 420 depth	1	No.				
	k. 450 x 450 x 410 depth	1	No.				
	l. 450 x 450 x 400 depth	1	No.				
	m. 450 x 450 x 390 depth	1	No.				
	n. 450 x 450 x 380 depth	1	No.				
	o. 450 x 450 x 370 depth	1	No.				
	p. 450 x 450 x 340 depth	1	No.				
	q. 450 x 450 x 300 depth	3	No.				
	r. 300 x 300 x 300 depth	1	No.				
	To collection						
		12/3					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
EMW-2	<u>SEA WATER SYSTEM</u>						
1.	Equipments						
	Header Tank; FRP Panel Tank Steel Frame, Reinforcement, and Base, Concrete Foundation, Including Complete Installation						
	a. Sea Water Header Tank Water Cap. 35m ³	2	No.				
	b. Filtered Sea Water Header Tank Water Cap. 20m ³	2	No.				
	c. Recovery Water Header Tank Water Cap. 30m ³	1	No.				
2.	Sea Water Supply System						
A.	Polyvinylchloride Pipe; Including Pipe Fittings, Supports, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 200mm Diameter	787	m				
	b. 150mm Diameter	44	m				
	c. 125mm Diameter	93	m				
	d. 65mm Diameter	71	m				
	e. 40mm Diameter	268	m				
B.	Gate Valve; Flanged, PVC Body, w/Comp. Flanges, Bolts, Packing, Including Installation						
	a. 200mm Diameter	11	No.				
	b. 150mm Diameter	4	No.				
	c. 65mm Diameter	2	No.				
C.	Flexible Joint; Including Supports and Installation						
	a. 200mm Diameter	11	No.				
	b. 65mm Diameter	2	No.				
3.	Drainage System						
A.	Polyvinylchloride Pipe; Including Pipe Fittings, Supports, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 350mm Diameter	16	m				
		12/4					

Item	Description	Quantity	Unit	Unit	Rate	Total	
				DH.	Fils	DH.	Fil
EMW-2	<u>SEA WATER SYSTEM - Cont'd</u>						
	b. 300mm Diameter	70	m				
	c. 150mm Diameter	30	m				
	d. 100mm Diameter	121	m				
	e. 75mm Diameter	7	m				
B.	Gate Valve; 75mm Diameter Flanged, PVC Body, w/Comp. Flanges, Bolts, Packing Including Installation	5	No.				
C.	Catch Basin; Reinforced Concrete, w/Comp. Cast Iron Frame and Covers Including Excavation, Foundation, Installation, Backfill, Compaction, Cleaning and Tests						
	a. 900 x 900 x 550 depth	1	No.				
	b. 450 x 450 x 1,110 depth	1	No.				
	c. 450 x 450 x 1,010 depth	1	No.				
	d. 450 x 450 x 910 depth	1	No.				
	e. 450 x 450 x 810 depth	1	No.				
	f. 450 x 450 x 710 depth	1	No.				
	g. 450 x 450 x 610 depth	1	No.				
	h. 450 x 450 x 550 depth	1	No.				
	i. 450 x 450 x 500 depth	1	No.				
	j. 300 x 300 x 530 depth	1	No.				
	k. 300 x 300 x 460 depth	1	No.				
	l. 300 x 300 x 400 depth	1	No.				
	m. 300 x 300 x 370 depth	1	No.				
	n. 300 x 300 x 330 depth	1	No.				
	o. 300 x 300 x 300 depth	1	No.				
	To collection						
		12/5					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil.
EMW-3	<u>AIR DISTRIBUTION SYSTEM</u>						
1.	Air Distribution Piping						
A.	Polyvinylchloride Pipe; Including Pipe Fittings, Supports, Sleeves, Pipe Installation, Cleaning and Tests						
	a. 200mm Diameter	102	m				
	b. 100mm Diameter	44	m				
B.	Gate Valve; 100mm Diameter Flanged, PVC Body, w/Comp. Flanges, Bolts, Packing, Including Installation	4	No.				
	To collection						
		12/6					

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fil
<u>BILL NO. 13</u>							
<u>EXTERNAL ELECTRICAL WORK</u>							
<u>SUB-COLLECTION</u>							
SEW	<u>EXTERNAL ELECTRICAL WORK</u>						
EEW-1	MEDIUM VOLTAGE DISTRIBUTION SYSTEM						
EEW-2	AREA LIGHTING FITTING ON POLE						
DH							
<u>SUB-COLLECTION OF BILL NO. 13</u>							
13/1							

Item	Description	Quantity	Unit	Unit DH.	Rate Fils	Total DH.	Total Fils
	<u>EXTERNAL ELECTRICAL WORK</u>						
EEW-1	<u>MEDIUM VOLTAGE DISTRIBUTION SYSTEM</u>						
1.	Underground concrete encased cable ducts bank;						
	1-way	17	M				
	3-way	6	M				
	5-way	268	M				
	9-way	20	M				
	10-way	15	M				
	16-way	50	M				
2.	Manhole, reinforced concrete type, with heavy duty cast iron water tight manhole cover and fittings;						
	Type-A 2M ^L x 2M ^W x 1.8M ^D	7	No.				
	Type-B 1.5M ^L x 1.5M ^W x 1.8M ^D	16	No.				
	Type-C 0.8M ^L x 0.8M ^W x 1.0M ^D	5	No.				
3.	Single core cable non-armoured non-metal-sheathed insulated with butyl rubber, 1000V;						
	a. 10 sqmm	420	M				
	b. 16 sqmm	820	M				
	c. 25 sqmm	420	M				
	d. 35 sqmm	150	M				
	e. 50 sqmm	1,240	M				
	f. 70 sqmm	190	M				
	g. 95 sqmm	250	M				
	h. 120 sqmm	1,390	M				
	i. 150 sqmm	2,030	M				
4.	Miscellaneous materials and work.	1	LS				
	To collection						
		13/2					

Item	Description	Quantity	Unit.	Unit DH.	Rate Fils	Total DH.	Total Fils
EEW-2	<u>AREA LIGHTING FITTING ON POLE</u>						
1.	Street lighting luminaire with I.E.S. type III. light distribution refractor, fitting shall be equipped control gear and 250 watts high pressure mercury vapor lamp, 1-phase 240 volts high-power factor type.	69	No.				
2.	Luminaire mounting hanger, made of die cast aluminum pipe to be fitted on fitting and lighting post, overhang length shall be 1.5 meters.	69	No.				
3.	Die-cast aluminum post to be fitted with specified fitting and shall have sufficient strength for installation, approximate post length is 7.3 meters, post shall also provide 1P-5AT miniature circuit-breaker and secondary wiring within post.	69	No.				
4.	Concrete foundation to sustain lighting post, the size shall be minimum 400 mm sq and 1.5 meters deep and based with 100mm thick crash rock.	69	No.				
5.	Miscellaneous materials and work.	1	LS				
6.	System control equipment: described in B.Q. for substation building.	(Included in Bill No. 8)					
7.	Single core cables non-armoured non-metal-sheathed insulated with butyl rubber, 1000V;						
	a. 10 sqmm	6,680	M				
	b. 16 sqmm	3,650	M				
8.	Conduit and fittings; conduit p.v.c. heavy duty type						
	a. 25 mm ϕ	1,700	M				
	b. 40 mm ϕ	790	M				
9.	Earthing work	1	LS				
10.	Miscellaneous materials and work	1	LS				
	To collection						
		13/3					

III SCHEDULE OF DAYWORKS

Generally

The Contractor shall after the signing of the Contract be required by the Employer to provide to the Engineer on Schedule of Dayworks.

Dayworks will be administered strictly in accordance with clause 52 (4) of the Conditions of Contract.

The Contractor will be paid for the dayworks carried out during the course of the Contract while other operations are in progress at the rates set down by him in this Schedule. Profit and overheads must not be included in the actual rates but stated as a percentage addition in the item provided for the same at the end of the Labour, Material and Plant Sections of this Daywork Schedule.

Time engaged in the actual works will be allowed. In the event of labour or plant having to be brought to the Site specially for the item of Daywork then a reasonable allowance will be made for travelling time. The allowance for travelling time is to be agreed before the daywork item is executed. Rates quoted for daywork shall bear a reasonable relationship with rates given elsewhere in the Bills of Quantities and will be considered in conjunction therewith when the tenders are examined.

Rates for Labour

The Daywork rates quoted for labour shall be the NET amount payable including for use and waste of hand tools and of all ordinary non-mechanical plant, stagings, scaffolding tarpaulins, use of electric light and water for the Works etc., and all special inducements for working in U.A.E. Unless specifically authorized in wiring by the Engineer, non-productive overtime or special rates for overtime will not be admissible. The cost of all supervisory staff, including engineers, foremen, instruments, etc., clerks, storemen, etc., are to be included in the percentage addition for profits and overheads.

Rates for Materials

Materials used on daywork shall be as specified for the Works. The rates shall include delivery to the Site. Should any materials be required for use on dayworks which are not included in the Schedule, the lowest current NET market price shall apply, plus a reasonable allowance for collecting, loading and transporting to the Works.

SCHEDULE OF DAYWORKS

Rates for
Plant Hire

The definition of hire terms to be as follows:-

- (1) Hourly Hire - any hour of any period less than eight hours.
- (2) Daily Hire - any eight hour day. Should be more than eight and less than twenty four hours be workd consecutively (excluding normal breaks, etc.) the excess hours will be paid for as a direct proportion of daily hire rate.

Plant hire rates are to include for drivers, attendants and operators, maintenance in proper working order at all times, attendance in starting up and shutting down, refuelling and all fuel and power oil greases and cleaning materials, replacement and/or sharpening of tools and provision of tools and all other ancillary items including consumable spares.

Notes: Payment will not be made for mechanics or maintenance time which shall be included in and spread over the rates.

