

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Mortar steel troweled finish	With hardner	m ² 3,640					
Water proofed mortar steel trowelled finish		m ² 320					
Sub total (10)							
(11) Doors, windows, and louvers							
Steel flush hollow core swing door	Including threshold	m ² 105					With louver, glass painting and hardwares
Steel flush hollow core hanger door	Including threshold	m ² 12					With louver, glass, painting and hardwares
Steel flush hollow core swing door	Sound proofed	m ² 40					With louver, glass, painting and hardwares
Wood flush hollow core swing door	Including threshold	m ² 5					With louver, glass, painting and hardwares

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Rolling door	Motor driven	m ²		96			With louver, glass, painting and hardwares
Steel louvers		m ²		2			With bird screen
Aluminium window	With glass	m ²		435			
Aluminium observation window	With pair glass	m ²		4			Central control room
Aluminium louvers		m ²		100			
Sub total (11)							
(12) Painting Work							
Oil paint for structure steel		m ²		57,200			
Vinyl paint for concrete	2 coats interior	m ²		510			

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		REMARKS
			UNIT-PRICE	AMOUNT	
			UNIT-PRICE	AMOUNT	FC
Vinyl paint for concrete	3 coats exterior	m ² 2,210			
Vinyl paint for mortar		m ² 1,410			
Vinyl paint for gypsum board		m ² 840			
Acid & Alkali proof paint		m ² 570			
Acid & Alkali Proof Lining	Epoxy resin Class B	m ² 130			With glass wool cloth
Sub total (12)					
(13) Interior Finish Work					
Vinyl tile	t=3.0mm	m ² 2,980			
Acid-proof vinyl tile	t=3.0mm	m ² 350			
Vinyl base	H-100	m 880			

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Gypsum board		m ² 1,590					
Acoustic board		m ² 1,550					Incombustible
Polyvinyl chloride tile		m ² 280					
Corrugated asbestos sheet		m ² 15					
Glass wool	t=50	m ² 3,720					
Vinyl cloth		m ² 500					
Nameplates of room		each 50					
Cement asbestos flexible board		m ² 200					
Partition	With glass	m ² 60					Laboratory
Sub total (13)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(14) Ventilation & Air-Conditioning Work							
1. Equipment work							
Packaged air cooled liquid chiller	Capacity : 22 RT Cooling capacity 11,600 KCAL/H Comp. 30 Kw x 2 Fan 0.75 Kw x 6	EA 3					
Air handling unit	Vertical type Air flow : 20700CMH Cooling capacity 66,000Kcal/H External static pressure : 70 mmAq Power output : 11 Kw	EA 2					
Air handling unit	Vertical type Air flow : 11500CMH Cooling capacity 47,000 Kcal/H External static pressure : 60 mmAq Power output : 3.7Kw	EA 2					
Air handling unit	Vertical type Air flow : 7300CMH Cooling capacity 23000 Kcal/H External static pressure : 60 mmAq Power output : 2.2 Kw	EA 2					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Air handling unit	Vertical type Air flow : 33000CMH Cooling capacity 13,000Kcal/H External static pressure : 60mmAq Power output : 1.5 Kw	EA	2					
Pump	Volute pump Dia. 65ø x 50ø Water flow:390lit/min Head:20m Power output:3.7Kw	EA	3					
Pump	Volute pump Dia. 50ø x 40ø Water flow:220lit/min Head:25m Power output:2.2Kw	EA	2					
Pump	Volute pump Dia. 50ø x 40ø Water flow 280lit/min Head 25mm Power output:2.2Kw	EA	2					
Chilled water resorvor tank	Tank capacity 15 ton Dimension 3.0m x 2.0m x 2.5 Steel made w/channel base	EA	1					

101

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Miscellaneous		L.S	1					
Sub total 1.								
2. Piping work								
Chilled water pipe (Galvanized steel pipe)	25 ϕ - 80 ϕ	L.S	1					
Humidified water pipe (- do. -)	20 ϕ	L.S	1					
Drain pipe (- do. -)	32 ϕ - 80 ϕ	L.S	1					
Valve		L.S	1					
Flexible joint		L.S	1					
Y-type strainer		L.S	1					
Insulation		L.S	1					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Hanger & supports		L.S	1					
Miscellaneous		L.S	1					
Sub total 2.								
3. Air duct work								
Air duct (Galvanized iron sheet)								
	#24(0.8mm)	L.S	1					
	#25(0.6mm)	L.S	1					
	#26(0.5mm)	L.S	1					
Air chamber		L.S	1					
Volume damper	Multi-blade	L.S	1					

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
4. Ventilation system							
Outside fresh air intake fan	Centrifugal multi-bane fan Single suction #4x15100CMHx25mmAq x3.7Kw	1					
Exhaust air fan	- do. - Single suction #4x15100CMHx25mmAq x3.7Kw	1					
Exhaust air fan	- do. - Single suction #2 1/2x5060CMHx25mmAq x1.5Kw	1					
Exhaust air fan	Axial fan Propeller #6x15000CMHx15mmAq x2.2Kw	1					
Exhaust air fan	- do. - #2x250CMHx10mmAqx80w	1					
Exhaust air fan	- do. - #2x150CMHx10mmAqx12w	1					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Exhaust air fan	- do. -	EA	1					
	#1 1/2x100CMHx7mmAq x12W							
Exhaust air fan	Ceiling 150øx630CMHx8mmAqx95W	EA	1					
Exhaust air fan	Ceiling 150øx600CMHx8mmAqx95W	EA	1					
Exhaust air fan	Ceiling 150øx320CMHx7mmAqx46W	EA	1					
Exhaust air fan	Ceiling 150øx210CMHx8mmAqx35W	EA	1					
Exhaust air fan	Ceiling 150øx170CMHx8mmAqx35W	EA	1					
Exhaust air fan	Ceiling 150øx150CMHx8mmAqx35W	EA	1					
Exhaust air fan	Ceiling 100øx50CMHx6mmAqx18W	EA	1					
Exhaust air fan	Roof ventilator 1200øx22300CMHx10mmAq x3.7Kw	EA	8					
Exhaust air duct (Galvanized iron sheet)	#24(0.8mm)	L.S	1					
	#25(0.6mm)	L.S	1					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
	#26 (0.5mm)	L.S	1					
Spiral oval duct		L.S	1					
Air chamber		L.S	1					
Volume damper		L.S	1					
Air diffuser		L.S	1					
Canvas connection		L.S	1					
Hanger & support		L.S	1					
Miscellaneous		L.S	1					
Sub total 4.								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Roof top water tank	Potable elevated water tank capacity : 2.5 Ton dimension 1.5mx1.5mx1.5H	EA	1					
Water supply pipe (Galvanized steel pipe)	20 - 65 ϕ	L.S	1					
Valve		L.S	1					
Flexible joint		L.S	1					
Hanger & support		L.S	1					
Insulation		L.S	1					
Miscellaneous		L.S	1					
Sub total 1.								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
2. Hot water supply equipment work								
Electric water heater	Wall mounted Capacity : 10lit Power output:1.5Kw	EA	2					
Hot water supply pipe	Copper 20ø	L.S	1					
Insulation		L.S	1					
Hanger & support		L.S	1					
Miscellaneous		L.S	1					
Sub total 2.								
3. Sanitary fixture								
Water closet	Vitreous china wash down coupled w/low tank, paper holder	EA	3					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Urinal	V.C wall hanged flash valve	EA	5					
Lavatory	V.C wall hanged w/liquid soap holder, mirror	EA	3					
Service sink	V.C high back w/wall faucet	EA	2					
Wall faucet	Swing spout	EA	2					
Deck faucet	Laboratory	EA	14					
Garden hose cock	w/hose coupling	EA	1					
Miscellaneous		L.S	1					
Sub total 3.								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
5. Clarification tank equipment								
Clarification equipment	FRP Capacity 2m ³ BOD 60 ppm	L.S	1					
Sub total 5.								
Sub total (15)								
(16) Elevator facilities								
Elevator facilities		L.S	1					
Elevator shaft and platform		L.S	1					
Sub total (16)								

PROJECT: WEST WHARF THERMAL POWER PLANT

SCHEDULE OF PRICES

DATE

SUBJECT: Unit-1 Stack

SHEET OF

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		REMARKS
			UNIT-PRICE	AMOUNT	
			UNIT-PRICE	AMOUNT	FC
B. Stack					
(1) Earth Work		L.S 1			
(2) Piling Work		L.S 1			
(3) Reinforced Concrete Work		L.S 1			
(4) Structural Steel and Steel Flues		L.S 1			
(5) Metal Work		L.S 1			
(6) Lining and Insulation		L.S 1			
(7) Miscellaneous Work		L.S 1			
(8) Lighting & Plug Work		L.S 1			
(9) Obstruction Light System		L.S 1			

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(10) Lightning System		L.S	1				
Total B							



DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Piling Work							
Steel pipe pile	Driving length ø609.6 x 9.0mm thick	m 2.852					Including materials, sand in pile, top reinforcement and field weld joint
Sub total (2)							
(3) Reinforced Concrete Work							
Reinforcing bar	ASTM A615 Gr.40 Deformed	ton 340					Including bending, cutting and placing
Reinforced concrete	Foundation Class-B	m ³ 1.950					Including form work
Reinforced concrete	Windshied Class-B	m ³ 1.900					Including form work
Reinforced concrete	Top slab Class-D	m ³ 8					Including form work

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Anchor bolts setting	With anchor frames	L.S	1					Material and Setting
Sub total (3)								
(4) Structural Steel & Steel Flues								
Steel flues	SMA 41A	ton	280					Materials, fabrication
Steel flues	SS41	ton	13					Materials, fabrication
Steel flues & flushing	SUS 304 Stainless steel	ton	14					Materials, fabrication
Shaped steel	SS41	ton	17					Materials, fabrication and painting
Grouting for base		L.S	1					
Steel flue and support structure erection	w/welding	ton	323					Including X-ray examination

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub total (4)							
(5) Metal Work							
Embedded metal	SS41 & round bar	ton	3				Including painting
Hand rail	Steel pipe & F.B	ton	1				Including painting
Deck plate	Plate thick 2.3	m ²	53				Galvanized
Grating	32mm	m ²	120				Galvanized
Painter trolley	Stainless steel	each	1				GL + 137.0m
Steel ladder	With safety cage	m	136				Including painting
Toe plates	H=100 P-6	L.S	1				Including painting
Sub total (5)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(6) Lining & Insulation							
Castable (anti acid type)	50mm in thickness	m ² 3,200					Heat durability more than 500°C
Fiber glass insulation	50mm in thickness w/ 20# x 26mm wire mesh	m ² 3,150					Heat durability more than 350°C
Lagging (aluminum sheet)	0.5mm h=2.0 m	m ² 140					At every platform
Sub total (6)							
(7) Miscellaneous Work							
Air craft warning painting	vinyl resin	m ² 5,200					
Aluminum paint (silver)		m ² 105					Platform GL + 135.5 m
Steel louver	750 x 1,000	each 4					Including painting

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Steel louver	2,000 x 1,500	each	1				Including painting
Door (steel)	800 x 800	each	6				Including painting
Door (steel)	2,000 x 2,000	each	1				Including painting
Roof hatch (sus 304)	700 x 700	each	1				
Steel pipe for ventilating	150A x 400mm	each	4				Embedded in wall
Steel pipe for roof drainage	100A x 450mm	each	4				Embedded in wall
Sheet roofing		m ²	75				
Mortar layer	30mm in thickness with wire lath	m ²	75				
Concrete block shielding	200mm in thickness	m ²	23				For construction opening shield
Ash discharge pipe	200∅ (SGP)	L.S	1				Including earth work
Ash discharge valve	200∅ butterfly valve	L.S	1				

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub total (7)								
(8) Lighting & Plug System								
Lighting panel	Water proof outdoor type	set	1					Including installation
Cross-linked polyethylene insulated cable	JIS C3605	L.S	1					Including installation
Rigid steel conduit	JIS C8305	L.S	1					Including installation
Junction & pull box		L.S	1					Including installation
Lighting fixture	Type A	PCS	33					Including installation
Sub total (8)								

651

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(9) Obstruction Light System							
Obstruction light control panel	Water proof outdoor type	set	1				Including installation
Daylight switch	Water proof type	L.S	1				Including installation
Obstruction light unit OW-6		PCS	4				Including installation
Obstruction light unit OW-7		PCS	2				Including installation
Obstruction light unit OW-3A		PCS	2				Including installation
Cross-linked polyethylene insulated cable	JIS C3605	L.S	1				Including installation
Rigid steel conduit	JIS C8305	L.S	1				Including installation
Flexible metal conduit	JIS C8309 30 mm	L.S	1				Including installation
Junction & pull box		L.S	1				Including installation
Sub total (9)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(10) Lighting Protection System							
Elevation rod	JIS large type copper	PCS	1				Including installation
Support post	SUS 304	L.S	1				Including installation
Test terminal box	Brass	set	1				Including installation
Annealed copper stranded conductor	JIS 3105	L.S	1				Including installation
Unplasticized polyvinyl chloride conduit	JIS C8430	L.S	1				Including installation
Thermit welding		L.S	1				Including installation
Thermit welding terminal		L.S	1				Including installation
Sub total (10)							

PROJECT: WEST WHARF THERMAL POWER PLANT

DATE

SCHEDULE OF PRICES

SUBJECT: Unit-1 Auxiliary Buildings

SHEET OF

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		REMARKS
				UNIT-PRICE	AMOUNT	
				UNIT-PRICE	AMOUNT	
C. Auxiliary Buildings						
(a) Water treatment equip. and control room		L.S	1			
(b) Service oil tank and pump & heater area		L.S	1			
(c) Chlorination equip. area and control room		L.S	1			
(d) Fuel oil transfer pump area		L.S	1			
Total C.						

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(a) Water treatment equip. and control room		L.S	1					
(1) Earth Work		L.S	1					
(2) Piling Work		L.S	1					
(3) Reinforced Concrete Work		L.S	1					
(4) Structural Steel Work		L.S	1					
(5) Concrete Block Work		L.S	1					
(6) Waterproofing Work		L.S	1					
(7) Tile Work		L.S	1					
(8) Metal Work		L.S	1					
(9) Plaster Work		L.S	1					
(10) Doors, Windows and Louvers		L.S	1					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Earth Work								
Excavation		m ³	1,260					Including disposal
Backfilling	Excavated sand	m ³	800					
Gravel layer	150mm thick	m ³	100					
Leveling concrete	50mm thick Class-F	m ³	40					
Dewatering		L.S	1					
Sheet pile	Horizontal projection length	m	25					Driving & Removing
Sub total (1)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Piling Work								
Cast in situ RCC pile	Design length ø550	m	1,152					Including materials, top chipping & top reinforcement
Sub total (2)								
(3) Reinforced Concrete Work								
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	115					Including bending, cutting and placing
Reinforced concrete	Underground Class-D	m ³	280					Including form work
Reinforced concrete	Column wall, beam, slab Class-D	m ³	340					Including form work
Reinforced concrete	Slab on grade Class-E	m ³	55					Including form work
Reinforced concrete	Equip. foundation Class-D	m ³	20					Including form work

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Light weight concrete		m ³	30					
Sub total (3)								
(4) Structural Steel Work								
Structural steel	Including stair, toe plates, checkerd R	ton	7					Material & fabrication
Structural steel erection	Including bolt setting	ton	7					Including grouting
Sub total (4)								
(5) Concrete Bolck Work								
Concrete hollow block	390 x 190 x 150	m ²	740					

Led

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Precast concrete block								
Light weight concrete block for roof		m ²	490					With sand cushion, elastic joint
Terrazzo panel		m ²	5					With fixture
Sub total (5)								
(6) Waterproofing Work								
Built-up asphalt waterproof	Class-A	m ²	570					
Built-up asphalt waterproof	Class-B	m ²	15					
Caulking		m	450					Doors, windows, parapet louvers
Sub total (6)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(7) Tile Work								
Ceramic mosaic tile		m ²	10					Including mortar bed
Grazed wall tile		m ²	30					Including mortar bed
Sub total (7)								
(8) Metal Work								
Grating	t=32mm galvanized	m ²	75					
Hand rail	H=1,100	m	75					With painting Including stair hand rail
Corner guards	H=3,000	each	15					With paintings
Corner beads		m	65					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Steel ladder	With safety cage	m	5					With paintings including anchoring
Trench cover and frames		ton	1					With corner angle with painting
Embedded plates, hooks and sleeves		ton	1					With anchoring painting
Steel ring		each	20					
Light weight suspended ceiling		m ²	155					
Roof drain		each	8					
Down spout		m	65					
Mono-rail	I-beam	m	25					
Door sill		m	10					
Sub total (8)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(9) Plaster Work								
Mortar plastering for wall		m ²	2,250					
Mortar steel trowelled	With metal lath	m ²	40					Roof gutter
Mortar steel trowelled	For coping	m	160					
Mortar steel trowelled	For floor	m ²	510					
Sub total (9)								
(10) Doors, Windows, and Louvers								
Steel flush hollow core swing door	Including thresh hold	m ²	21					With louver, glass, painting and hardwares
Wood flush hollow core swing door	Including thresh hold	m ²	1					With louver, glass, painting and hardwares

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Rolling door	Mortar driven	m ²	20					With louver, glass, painting and hardwares
Aluminum louvers		m ²	10					With louver, glass, painting and hardwares Wch bird screen
Aluminum window	with glass	m ²	70					
Aluminum observation window	with pair glass	m ²	5					
Sub total (10)								
(11) Painting Work								
Oil paint for structural steel		m ²	270					
Vinyl paint for mortar	2 Coats interior	m ²	2,200					

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Vinyl paint for gypsum board		m ² 10					
Acid & alkali proof lining	Epoxy resin Class B	m ² 410					With glass wool cloth
Durosem cement paint		m ² 950					
Sub total (11)							
(12) Interior Finish Work							
Acoustic board		m ² 150					
Nameplates of room		each 5					
Mop rack		each 1					Including painting
Blind box	150mm x 150mm	m 15					Including painting
Non asbestos cement sheet		m ² 10					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub Total (12)								
(13) Ventilation & air-conditioning system								
Packaged air conditioner	Air cooled cooling capacity: 39000Kcal/H Air flow: 11210CMH	EA	1					
Exhaust air fan	Propeller fan 200øx300CMHx18W	EA	1					
Exhaust air fan	Propeller 200øx150CMHx18W	EA	1					
Exhaust air fan	Propeller 550øx4350CMHx5mmAq x0.4Kw	EA	1					
Exhaust air fan	Roof ventilator 1050øx15350CMHx10mmAq x2.2Kw	EA	4					
Refrigerant pipe		L.S	1					
Drain pipe	32ø	L.S	1					

571

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Hanger & supports		L.S	1					
Miscellaneous		L.S	1					
Sub total (13)								
(14) Water Supply, Drainage Swage System								
1. Water supply								
Water supply pipe (Galvanized steel pipe)	20ø - 25ø	L.S	1					
Valve	With box 25ø	EA	1					
Insulation		L.S	1					
Hanger & supports		L.S	1					
Miscellaneous		L.S	1					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub total 1.								
2. Sanitary fixture								
Water closet	Vitreneous china wash down coupled w/low tank, paper holder	EA	1					
Urinal	V.C wall hanged Flash valve	EA	2					
Lavatory	V.C wall hanged w/liquid soap holder, mirror	EA	1					
Miscellaneous		L.S	1					
Sub total 2.								

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
3. Drainage & vent system							
Septic tank	FRP Capacity: 1.0m ³	EA 1					
Sewage pipe (Cast iron pipe)	100ø	L.S 1					
Drain pipe & vent pipe (Galvanized steel pipe)	40ø - 100ø	L.S 1					
Lead pipe	50ø - 75ø	Lot 1					
Insulation		L.S 1					
Floor drain	FD	L.S 1					
Clean out	CO	L.S 1					
Soil water basin	Concrete	L.S 1					
Rain water basin	Concrete	L.S 1					
Miscellaneous		L.S 1					
Sub total 3.							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub total (14)								
(15) Sedonary Electrical Work								
Materials of cable etc.		L.S	1					
Board		EA	1					
Sub total (15)								

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Earth Work							
Excavation		m ³	270				Including disposal
Backfilling	Excavated sand	m ³	140				
Grave layer	150mm thick	m ³	35				
Leveling concrete	50mm thick Class-F	m ³	15				
Dewatering		L.S	1				
Oil sand		m ³	10				
Sub total (1)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Piling Work							
Cast in situ RCC pile	Design length ø 450	m 464					Including materials, top chipping & top reinforcement
Sub total (2)							
(3) Reinforced Concrete Work							
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton 32					Including bending, cutting and placing
Reinforced concrete	Underground Class-D	m ³ 100					Including form work
Reinforced concrete	Column, wall, beam, slab Class-D	m ³ 70					Including form work
Reinforced concrete	Slab on grade Class-E	m ³ 15					Including form work

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Reinforced concrete	Equip. foundation Class-D	m ³	5					Including form work
Sub total (3)								
(4) Metal Work								
Embedded plates, hocks and sleeves		ton	1					with anchoring painting
Mono-rail	I-beam	m	20					Including painting
Hand rail		m	10					
Checkered plate		m ²	1					
PVC Pipe	ø25	m	1					
Sub total (4)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(c) Chlorination Equip. Area and Control Room								
(1) Earth Work		L.S	1					
(2) Piling Work		L.S	1					
(3) Reinforced Concrete Work		L.S	1					
(4) Concrete Block Work		L.S	1					
(5) Waterproofing Work		L.S	1					
(6) Metal Work		L.S	1					
(7) Plaster Work		L.S	1					
(8) Doors, Windows and Louvers		L.S	1					
(9) Painting Work		L.S	1					
(10) Ventilation System		L.S	1					
(11) Drainage System		L.S	1					

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Earth Work							
Excavation		m ³ 400					Including disposal
Backfilling	Excavated sand	m ³ 200					
Gravel layer	150mm thick	m ³ 60					
Leveling concrete	50mm thick Class-F	m ³ 22					
Dewatering		L.S 1					
Sub total (1)							
(2) Piling Work							
Cast in situ RCC pile	Design length ø 450	m 544					Including materials, top chipping & top reinforcement

LS

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub total (2)							
(3) Reinforced Concrete Work							
Reinforcing bar	ASTM A615 Gr.40 Deformed	ton	46				Including bending, cutting and placing
Reinforced concrete	Underground Class-D	m ³	105				Including form work
Reinforced concrete	Column, wall, beam, slab Class-D	m ³	115				Including form work
Reinforced concrete	Slab on grade Class-E	m ³	40				Including form work
Reinforced concrete	Equip. foundation Class-D	m ³	15				Including form work
Light weight concrete		m ³	30				
Sub total (3)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(4) Concrete Block Work							
Concrete hollow block	390 x 190 x 150	m ² 160					
Precast concrete block							
Light weight concrete block for roof		m ² 90					with sand cushion, elastic joint
Sub total (4)							
(5) Waterproofing Work							
Built-up asphalt waterproof	Class-A	m ² 110					
Caulking		m 95					Doors, windows, parapet louvers
Sub total (5)							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(7) Plater Work								
Mortar plastering for wall		m ²	450					
Mortar steel trowelled	With metal lath	m ²	10					Roof gutter
Mortar steel trowelled	For coping	m	45					
Mortar steel trowelled	For floor	m ²	90					
Sub total (7)								
(8) Doors, Windows, and Louvers								
Steel flush hollow core swing door	Including threshold hold	m ²	6					With louver, glass, painting and hardware
Aluminum louvers		m ²	1					with bird screen

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(10) Ventilation System								
Exhaust air fan	Roof ventilator 500øx3770CMHx5mmAq x0.4Kw	EA	2					
Exhaust air fan	Propeller fan 400øx2120CMHx5mmAq x0.1Kw	EA	2					
Miscellaneous		L.S	1					
Secondary electrical wiring		L.S	1					
Control Panel		EA	1					
Sub total (10)								

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Earth Work							
Excavation		m ³ 70					Including disposal
Backfilling	Excavated sand	m ³ 45					
Grave layer	150mm thick	m ³ 10					
Leveling concrete	50mm thick Class-F	m ³ 3					
Dewatering		L.S 1					
Sub total (1)							
(2) Piling Work							
Cast in situ RCC pile	Design length Ø 550	m 64					Including materials, top chipping & top reinforcement

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Sub total (2)								
(3) Reinforced Concrete Work								
Reinforcing bar	ASTM A615 Gr. 40 Deformed	ton	10					Including bending, cutting and placing
Reinforced concrete	Underground Class-D	m ³	16					Including form work
Reinforced concrete	Column, wall, beam, slab Class-D	m ³	20					Including form work
Reinforced concrete	Slab on grade Class-E	m ³	6					Including form work
Reinforced concrete	Equip. foundation Class-D	m ³	2					Including form work
Embedded metal		L.S	1					
Sub total (3)								

PROJECT: WEST WHARF THERMAL POWER PLANT

DATE

SCHEDULE OF PRICES

SUBJECT: Unit-1 Cooling Water Way

SHEET OF

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		REMARKS
				UNIT-PRICE	AMOUNT	
D. Cooling Water Way						
(a) Intake Open Channel		L.S	1			
(b) Screen & Pump Pit		L.S	1			
(c) Discharge Tunnel		L.S	1			
(d) Outlet		L.S	1			
Total D						

691

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(a) Intake Open Channel								
Excavation		m ³	4,000					Including disposal
Backfilling	Excavated sand	m ³	140					
Sheet pile	Driving & removing	ton	310					Including waling, strut, jack, angle and brace etc.
Sheet pile	Driving	ton	320					
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	90					
Leveling concrete	100mm thick Class-F	m ³	45					
Reinforced concrete	Class-D	m ³	1,430					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	128					Including bending, cutting and placing

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Expansion joints	Water Stop : Polyvinyl chloride W=250mm	m	147				Including asphalt filling
Construction joints		m	370				Including water stop
Hand rail	SGP 50A and SGP 40A height 1200mm	m	230				Including painting
Stop logs	PS Concrete, Stainless plate steel SUS 304	6					
Lifting beam		set	1				Including painting
Guide channel	Cast-iron 10mm thick	m	70				
Repair work for existing intake culvert		L.S	1				
Connective work with existing intake culvert		L.S	1				Including removal of existing concrete wall
Dismantle of existing pump house		L.S	1				Including miscellaneous foundations
Cleaning of inside of existing culvert box		L.S	1				

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(b) Screen & Pump Pit							
Excavation		m ³ 6,500					Including disposal
Backfilling	Excavated sand	m ³ 2,900					
Sheet pile	Driving & Removing	ton 620					Including waling, strut, jack, angle brace etc.
Sheet pile	Driving	ton 55					Including waling, strut, jack, angle brace etc.
Dewatering		L.S 1					
Gravel layer	200mm thick	m ³ 139					
Leveling concrete	100mm thick Class-F	m ³ 70					
Reinforced concrete	Class-D	m ³ 1,820					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton 182					Including bending, cutting and placing

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Expansion joints	Water stop : Polyvinyl chloride W=250mm	m	66					Including asphalt filling
Construction joints		m	405					Including water stop
Hand rail	SGP 50A and SGP 40A height 1200mm	m	13					Including painting
Checked plate cover	Including handle, steel angle and painting	m ²	43					Including steel angle for concrete corner
Grating cover	F-32 Galvanized Including painting for steel angle	m ²	55					Including steel angle for concrete corner
Ladder	Stainless steel SUS304 ø40 with ø22	m	79					Including handle
Stop log	PS concrete, Stenless steel SUS 304	plate	12					Include setting and pulling (for leak test)
Guide channel	Cast-iron [-520x260	m	40					Including painting
Anchor box		each	20					
Lifting beam		set	1					Including painting
Wooden stopper	1000W x 1500H x 30t	set	1					

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Angle steel for wash water pit	L-100	m	12					
Angle steel for wooden stopper	L-75	m	3					
Leak test		L.S	1					Including setting and pulling of stop log
Sub total (b)								

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(c) Discharge Tunnel							
Excavation		m ³ 29,400					Including disposal
Backfilling	Excavated sand	m ³ 20,300					
Sheet pile	Driving & removing	ton 3,920					Including waling, strut, jack, angle brace etc.
Dewatering		L.S 1					
Gravel layer	200mm thick	m ³ 623					
Leveling concrete	100mm thick Class-F	m ³ 311					
Reinforced concrete	Class-D	m ³ 3,680					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton 331					Including bending, cutting and placing
Expansion joints	Water stop : Polyvinyl chloride W=250mm	m 626					

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Construction joints		m	2,981				Including water stop
Hand rail	SGP 50A and SGP 40A height 1200mm	m	14				Including painting and chain
Grating cover for ball catcher pit	F-32 Galvanized Including painting for steel angle	m ²	19				Including steel angle for concrete corner
Grating cover for manhole	F-19 Galvanized Including anchor bolt with nut, washer and plate and painting	m ²	6				Including steel angle for concrete corner
Concrete cover	200mm thick	m ²	7				Including steel handle
H-steel for ball catcher pit	H-200 x 200	m	6				Including painting
Ladder (steps)	400mm width	m	20				Including painting
Ladder	Stainless steel SUS304 ø40 with ø22-400	m	14				Including handle
Dismantle of existing structure		L.S	1				
Installation of temporary wall		L.S	1				For extension of unit 2

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Removal and restoration of existing boundary wall		L.S 1					
Dismantle and restoration of existing building in KSEW		L.S 1					
Removal and restoration of existing road and drainage	Including temporary asphalt pavement	L.S 1					
Protection of existing facilities	Including utility diversion	L.S 1					
Removal and restoration of existing electric facilities		L.S 1					
Setting and pulling up of stop logs		L.S 1					
Test pitting of existing road area		L.S 1					
Sub total (c)							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(d) Outlet								
Excavation		m ³	2,900					Including disposal
Backfilling	Excavated sand	m ³	1,400					
Sheet pile	Driving & removing	ton	790					Including waling, strut, jack, angle brace etc.
Sheet pile	Driving	ton	230					Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	120					
Leveling concrete	100mm thick Class-F	m ³	60					
Reinforced concrete	Class-D	m ³	860					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	77					Including bending, cutting and placing

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Expansion joints	Water stop : Polyvinyl chloride W=250mm	m	78				Including asphalt filling
Construction joints		m	637				Including water stop
Checkered plate cover	Including handle, steel angle and painting	m ²	5				Including steel angle for concrete corner
Grating cover	F-19 Galvanized Including painting for steel angle	m ²	10				Including steel angle for concrete corner
Ladder	Stainless steel SUS304 ø40 with ø22-400	m	31				Including handle
Banking work		L.S	1				
Temporary cofferdam	Construction & Removal	L.S	1				
Patrol way	Including riprap	L.S	1				
Setting and pulling up of stop logs		L.S	1				

64

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Riprap		L.S	1				
Guide channel	Cast-iron C-520 x 260	m	34				
Cutting of sheet pile		L.S	1				
	Sub total (d)						



PROJECT: WEST WHARF THERMAL POWER PLANT

SCHEDULE OF PRICES

DATE

SUBJECT: Unit-1 Other Civil Works

SHEET OF

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
E. Other Civil Works								
(a) Outdoor Pipe Support Foundations		L.S	1					
(b) Chlorination Feed Water Pump Pit		L.S	1					
(c) Raw Water Receiving and Drinking Water Equipment Found		L.S	1					
(d) Raw Water, Demineralized Water and Make-up Water Tank Foundations		L.S	1					
(e) Waste Water Treatment Facilities		L.S	1					
(f) Cable Duct Foundation		L.S	1					
(g) Other Foundations		L.S	1					
Total E								

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(a) Outdoor Pipe Support Foundations							
Excavation		m ³ 130					Including disposal
Backfilling	Excavated sand	m ³ 100					
Gravel layer	150 mm thick	m ³ 81					
Leveling concrete	50 mm thick Class-F	m ³ 28					
Reinforced concrete	Class-D	m ³ 220					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton 17					Including bending, cutting and placing
Reinforced concrete pile	∅ 400	m 1,800					Including materials and top reinforcements
Sub total (a)							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(b) Chlorination Feed Water Pump Pit								
Excavation		m ³	380					Including disposal
Backfilling	Excavated sand	m ³	280					
Sheet pile	Driving & removing	ton	66					Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	9					
Leveling concrete	100mm thick Class-F	m ³	5					
Reinforced concrete	Class-D	m ³	140					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	12					Including bending, cutting and placing
Hand rail	SGP 50A & SGP 40A height 1200mm	m	5					Including painting

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	RS		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Checkered plate cover	Including handle, steel angle and painting	m ²	4					Including steel angle for concrete corner
Grating cover	F-32 Galvanized Including painting	m ²	4					Including steel angle for concrete corner
Ladder	Stainless steel SUS304 ø 40 with ø 22-400	m	8					Including handle
Construction joints		m	63					Including water stop
Leak test		L.S.	1					Including setting & pulling of stop log
Sub total (b)								

124



DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Raw Water Receiving Pond							
Excavation		m ³	330				Including disposal
Backfilling	Excavated sand	m ³	120				
Sheet pile	Driving & Removing	ton	143				Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1				
Gravel layer	200mm thick	m ³	20				
Leveling concrete	100mm thick Class-F	m ³	11				
Reinforced concrete	Class-D	m ³	127				Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	11				Including bending, cutting and placing
Expansion joints	Water stop : Polyvinyl chloride W=250mm	m	18				Including asphalt filling

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Chemical Tank and Pump Foundation								
Gravel layer	150 mm thick	m ³	3					
Leveling concrete	50 mm thick Class-F	m ³	1					
Reinforced concrete	Class-D	m ³	7					Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	1					Including bending, cutting and placing
Anchor box		each	16					
Acid and alkali proof lining	Epoxy resin Class-B	m ²	30					With glass wool cloth
Sub total (2)								

128

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(4) Drinking Water Tank Foundation								
Gravel layer	150 mm thick	m ³	4					
Leveling concrete	50 mm thick Class-F	m ³	2					
Reinforced concrete	Class-D	m ³	16					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	2					Including bending, cutting and placing
Anchor box		each	6					
Sub total (4)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(d) Raw Water, Demineralized Water and make-up Water Tank foundations								
(1) Raw Water Tank Foundations		L.S	1					
(2) Demineralized Water Tank Foundations		L.S	1					
(3) Make-up Water Tank Foundation		L.S	1					
Sub total (d)								

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Raw Water Tank Foundations							
Reinforced concrete pile	∅ 400	m		3,740			Including materials and top reinforcements
Gravel layer	200 mm thick	m ³		52			
Leveling concrete	100 mm thick Class-F	m ³		25			
Reinforced concrete	Class-D	m ³		167			Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton		14			Including bending, cutting and placing
Crushed stone	Max. size 30mm	m ³		64			
Oil sand	50mm thick ₃ Oil 60 l/m ³	m ²		13			
Drain pipe	SGP 50A L=710mm with mesh filter	PCS		8			
Sub total (1)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Demineralized Water Tank Foundations							
Reinforced concrete pile	∅ 400	m	3,441				Including materials and top reinforcement
Gravel layer	200 mm thick	m ³	46				
Leveling concrete	100 mm thick Class-F	m ³	23				
Reinforced concrete	Class-D	m ³	124				Including form work and form staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	11				Including bending, cutting and placing
Crushed stone	Max. size 30mm	m ³	45				
Oil sand	50mm thick ³ Oil 60 l/m ³	m ²	9				
Drain pipe	SGP 50A L=710mm with mesh filter	PCS	8				
Sub total (2)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(3) Make-up Water Tank Foundation							
Reinforced concrete pile	∅ 400	m	524				Including materials and top reinforcement
Gravel layer	200 mm thick	m ³	8				
Leveling concrete	100 mm thick Class-F	m ³	5				
Reinforced concrete	Class-D	m ³	20				Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	2				Including bending, cutting and placing
Crushed stone	Max. size 30mm	m ³	9				
Oil sand	50mm thick ³ Oil 60 l/m ³	m ²	3				
Drain pipe	SGP 50A L=710mm with mesh filter	PCS	4				
Sub total (3)							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(e) Waste Water Treatment Facilities								
(1) Waste Water Storage Pond		L.S	1					
(2) Coagulation Sedimentation Tank		L.S	1					
(3) Sludge Enrichment Tank		L.S	1					
(4) Purified Waste Water Pit		L.S	1					
(5) Clear Water Pit and Other Pits		L.S	1					
(6) Chemical Feed Pumps & Tanks Foundation		L.S	1					
(7) Chemical Storage Tanks & Pumps Foundation		L.S	1					
Sub total (e)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Waste Water Storage Pond								
Excavation		m ³	2,900					Including disposal
Backfilling	Excavated sand	m ³	1,000					
Sheet pile	Driving & removing		183					Including waling, strut, jack, angle brace etc.
Sheet pile	Driving		110					Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	113					
Leveling concrete	100mm thick Class-F	m ³	57					
Reinforced concrete	Class-D	m ³	1,100					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	88					Including bending, cutting and placing

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Expansion joints	Water stop : Polyvinyl chloride W=250mm	m	54				Including filler and asphalt plate
Construction joints		m	270				Including water stop
Grating cover	F-19 Galvanized Including painting for steel angle	m ²	8				Including steel angle for concrete corner
Acid and alkali proof lining	Epoxy resin Class-B	m ²	1,750				With glass wool cloth
Ladder (steps)	400mm Width	m	23				Including paint
Anchor box		each	10				
Measurement of settlement of existing structure		L.S	1				
Leak test		L.S	1				
Sub total (1)							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Coagulation Sedimentation Tank								
Reinforced concrete	Class-D	m ³	97					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	8					Including bending, cutting and placing
Construction joints		m	33					Including water stop
Anchor box		each	4					
Leak test		L.S	1					
Acid and alkali proof lining	Epoxy resin Class-B	m ²	210					With glass wool cloth
Sub total (2)								

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(3) Sludge Enrichment Tank								
Reinforced concrete	Class-D	m ³	40					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	3					Including bending, cutting and placing
Construction joints		m	19					Including water stop
Anchor box		each	4					
Leak test		L.S	1					
Acid and alkali proof lining	Epoxy resin Class-B	m ²	95					With glass wool
Sub total (3)								

196

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(4) Purified Waste Water Pit							
Reinforced concrete	Class-D	m ³ 28					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton 2					Including bending, cutting and placing
Construction joints		m 15					Including water stop
Hand rail	SGP 50A & SGP 40A height 1200mm	m 10					Including painting and chain
Acid and alkali proof lining	Epoxy resin Class-B	m ² 140					With glass wool cloth
Ladder (steps)	400mm Width	m 3					Including paint
Leak test		L.S 1					
Sub total (4)							

102

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(5) Clear Water Pit and Other Pits							
Reinforced concrete	Class-D	m ³ 44					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton 4					Including bending, cutting and placing
Construction joints		m 45					Including water stop
Grating cover	F-32 Galvanized Including painting for steel angle	m ² 43					Including steel angle for concrete corner
Acid and alkali proof lining	Epoxy resin Class-B	m ² 200					With glass wool cloth
Ladder (steps)	400mm width	m 15					Including painting
H-Steel	H-200 x 200	m 7					Including painting
Channel steel	[- 100 x 50	m 6					Including painting
Hand rail	SGP 50A & SGP 40A height 1200mm	m 37					

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(7) Chemical Storage Tanks & Pumps Foundation							
Gravel layer	150mm thick	m ³ 7					
Leveling concrete	50mm thick Class-F	m ³ 3					
Reinforced concrete	Class-D	m ³ 26					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton 2					Including bending, cutting and placing
Acid and alkali proof lining	Epoxy resin Class-B	m ² 75					With glass wool cloth
Anchor box		each 44					
Drain pipe	P.V.C 80A	m 15					
Sub total (7)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Cable Duct and Manhole							
Excavation		m ³	970				Including disposal
Backfilling	Excavated sand	m ³	760				
Sheet pile	Driving & removal	ton	104				Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1				
Gravel layer	200mm thick	m ³	36				
Leveling concrete	50mm thick Class-F	m ³	9				
Reinforced concrete	Class-D	m ³	96				Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	10				Including bending, cutting and placing
Piping for cable duct	Asbestos cement pipe ø 200mm	m	66				For C.V cable Including wooden support

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Cable Tunnel								
Excavation		m ³	4,100					Including disposal
Backfilling	Excavated sand	m ³	2,200					
Sheet pile	Driving & Removal	ton	668					Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	151					
Leveling concrete	100mm thick Class-F	m ³	76					
Reinforced concrete	Class-D	m ³	702					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	57					Including bending, cutting and placing
Expansion joints	Water stop : Polyvinyl chloride W=250mm	m	174					Including asphalt filling

604

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Construction joints		m	462					Including water stop
Checkered plate cover	Including handle, steel angle and paint	m ²	3					Including steel angle for concrete corner
Ladder (steps)	400mm width	m	4					Including painting
Removal of temporary stop wall	Concrete wall t=200mm	L.S	1					
Removal and restoration of existing boundary wall		L.S	1					
Removal and restoration of existing road and drainage	Including temporary asphalt pavement	L.S	1					
Dismantle of existing structure		L.S	1					
Protection of existing facilities	Including utility diversion	L.S	1					
Removal and restoration of existing electric facilities		L.S	1					

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	RS		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
Test pitting of existing road area	L.S	1					
Sub total (2)							

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(g) Other Foundations							
(1) Oil Separator for Service Tank Area		L.S 1					
(2) Oil Separator for Fuel Oil Storage Tank Area		L.S 1					
(3) Storage Box for Stop Log		L.S 1					
(4) Dust Box		L.S 1					
(5) Stack Drainage Pit		L.S 1					
(6) Unit Neutralizing Pit		L.S 1					
(7) House Boiler Foundation		L.S 1					
(8) Foundation of Air Form Equipment Area		L.S 1					
(9) Foundation of Fire Protection System		L.S 1					
Sub total (g)							

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(1) Oil Separator for Service Tank Area								
Excavation		m ³	80					Including disposal
Backfilling	Excavated sand	m ³	50					
Sheet pile	Driving & Removing	ton	16					Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	4					
Leveling concrete	100mm thick Class-F	m ³	2					
Reinforced concrete	Class-D	m ³	14					Including form work and four staging
Reinforcing bar	ASTM A615 Gr. 40 deformed	ton	1					Including bending, cutting and placing
Construction joints		m	29					Including water stop

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		FC		REMARKS
				UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(2) Oil Separator for Fuel Oil Storage Tank Area								
Excavation		m ³	80					Including disposal
Backfilling	Excavated sand	m ³	50					
Sheet pile	Driving & Removing	ton	16					Including waling, strut, jack, angle brace etc.
Dewatering		L.S	1					
Gravel layer	200mm thick	m ³	4					
Leveling concrete	100mm thick Class-F	m ³	2					
Reinforced concrete	Class-D	m ³	14					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	1					Including bending, cutting and placing
Construction joints		m	29					Including water stop

DESCRIPTION	SPECIFICATION	UNIT	QUANTITY	Rs		REMARKS
				UNIT-PRICE	AMOUNT	
				FC		
				UNIT-PRICE	AMOUNT	
(3) Storage Box for Stop Log						
Gravel layer	150mm thick	m ³	12			
Leveling concrete	50mm thick Class-F	m ³	4			
Reinforced concrete	Class-D	m ³	29			Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton	2			Including bending, cutting and placing
Wood - 1	900L x 100W x 100t Including anchor bolt	set	30			Including asphalt filling
Wood - 2	600L x 100W x 100t Including anchor bolt	set	36			Including asphalt filling
Wood - 3	400L x 210W x 60t Including anchor bolt	set	40			Including asphalt filling
Drainage pipe	SGP 150A Asphalt jute cloth	m	15			
Sub total (3)						

DESCRIPTION	SPECIFICATION	UNIT QUANTITY	Rs		FC		REMARKS
			UNIT-PRICE	AMOUNT	UNIT-PRICE	AMOUNT	
(4) Dust Box							
Gravel layer	150mm thick	m ³ 2					
Leveling concrete	50mm thick Class-F	m ³ 1					
Reinforced concrete	Class-D	m ³ 5					Including form work and form staging
Reinforcing bar	ASTM A615 Gr.40 deformed	ton 1					Including bending, cutting and placing
Wooden wall	2060L x 300W x 30t	set 4					
Drainage pipe	SGP 50A Asphalt jute cloth	m 5					
Sub total (4)							

212