

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
I BUILDING WORKS									
11	Dam Control House								
701	Building works								
1)	Earthwork								
	- Excavation	m3	63						T6.2
	- Backfill	m3	40						T6.2
	- Disposal	m3	23						T6.2
	- Gravel bedding	m3	23						T6.2
2)	Concrete work								
	- Concrete, Class A for structure	m3	113						T6.3
	- Concrete, Class F	m3	3						T6.3
	- Form F1	m2	601						T6.3
	- Form F3	m2	158						T6.3
	- Reinforcing bar	kg	14,800						T6.3
3)	Masonry work								
	- Concrete block wall, 100 mm thick including filling cement mortar and with wire lath	m2	167						T6.4.2
	- Concrete block wall, 200 mm thick including filling cement mortar and with wire lath	m2	172						T6.4.2

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Note: The Tenderer shall fill in JX or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
4)	Bituminous waterproofing work								
	- 3 ply built-up asphalt roofing	m2	194						T6.5.5
	- 2 ply built-up asphalt roofing	m2	24						T6.5.5
5)	Terrazzo work								
	- Terrazzo block on floor including base cement mortar	m2	123						T6.6.3
	- Terrazzo block door sill, W=100mm including base cement mortar	m	1						T6.6.3
	- Terrazzo block shelf, W=150mm including base cement mortar	m	2						T6.6.3
6)	Tile work								
	- Porcelain tile to interior floor including base cement mortar	m2	11						T6.7.3
	- Ceramic tile to interior wall including base cement mortar	m2	48						T6.7.3
	- Porcelain tile to exterior wall including base cement mortar	m2	159						T6.7.3
7)	Plastering work								
	- Cement mortar plaster on floor	m2	94						T6.8.5
	- Base cement mortar plaster 20mm thick for bituminous waterproofing	m2	194						T6.8.5
	- Cement mortar plaster to interior skirting, H=100mm	m	138						T6.8.5
	- Cement mortar plaster to interior wall	m2	516						T6.8.5

Note: The Tenderer shall fill in J\$ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
	- Cement mortar plaster to exterior wall	m2	372						T6.8.5
	- Waterproof cement mortar plaster to roof gutter	m2	16						T6.8.5
	- Concrete trowell finish	m2	33						T6.8.5
8)	Painting work								
	- Oil paint to metal surface	m2	50						T6.9.3
	- Oil paint to wooden surface	m2	39						T6.9.3
	- Vinyl emulsion paint on cement mortar	m2	953						T6.9.3
	- Vinyl emulsion paint on asbestos cement sheet surface	m2	75						T6.9.3
9)	Carpentry and joinery work								
	- Wooden blind box, W200mm x H150mm x T25mm including required accessories	m	10						T6.10.2
10)	Finishing work								
	- Rockwool tile including suspension system and accessories	m2	111						T6.11.3
	- Asbestos cement sheet including suspension system and accessories	m2	75						T6.11.3
	- Vinyl floor tile including base cement mortar	m2	54						T6.11.3
	- Vinyl strip base, H=100mm including base cement mortar	m2	28						T6.11.3

Note: The Tenderer shall fill in J₹ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Ref. Clause
				Unit Price	Amount	Unit Price	Amount Equivalent (Rs) or Sub-clause	
11)	Doors and window							
	- Wooden door leaves and frames including louvers, hardware and accessories	m2	15					T6.12.2
	- Steel door leaves and frames including hardware, accessories and calking to outside perimeter	m2	16					T6.13.5
	- Aluminium doors and frames including hardware, accessories and calking to outside perimeter	m2	4					T6.14.3
	- Aluminium windows and frames including hardware, accessories and calking to outside perimeter	m2	35					T6.14.3
	- Jalousie windows and frames including hardware, accessories and calking to outside perimeter	m2	12					T6.14.3
	- Steel window and frames including hardware, accessories	m2	5					T6.13.5
12)	Glazing work							
	- Plate glass 3mm thick including glazing bead	m2	41					T6.15.3
	- Plate glass 5mm thick including glazing bead	m2	5					T6.15.3
	- Plate wire glass 6.8mm thick including glazing bead	m2	9					T6.15.3
	- Figured glass 4mm thick including glazing bead	m2	4					T6.15.3

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Note: The Tenderer shall fill in JY or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
13)	Miscellaneous metal work								
	- Roof drain, cast iron made, 100mm dia.	no	8						T6.16.3
	- Steel pipe handrail, 50mm dia. including balusters	m	8						T6.16.3
	- Stainless steel nosing w/non-slip rubber	m	14						T6.16.3
	- Metal coping	m	59						T6.16.3
14)	Miscellaneous work								
	- PVC downspout, 100mm dia. including accessories	m	30						T6.17.3
	- Kitchen sink unit in kitchen	no	1						T6.17.3
	- Cupboard unit in kitchen	no	1						T6.17.3
	- Vinyl curtain for lavatory including accessories	no	1						T6.17.3
	- Wood bench	no	1						T6.17.3
Subtotal of item /01									

Note: The Tenderer shall fill in JY or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
/02 Building service works									
1) Plumbing works									
i) Water supply									
	- Galvanized steel pipe	ø50	m	700					T6.21.2
	- Galvanized steel pipe	ø25	m	13					T6.21.2
	- Galvanized steel pipe	ø20	m	52					T6.21.2
	- Gate valve	ø50	ea	1					T6.21.2
	- Gate valve	ø25	ea	1					T6.21.2
	- Gate valve	ø20	ea	1					T6.21.2
	- Valve casing		ea	2					T6.21.2
	- Insulation for pipe	ø25	m	8					T6.21.2
	- Insulation for pipe	ø20	m	26					T6.21.2
	- Anticorrosive tape for pipe	ø50	m	700					T6.21.2
	- Anticorrosive tape for pipe	ø25	m	5					T6.21.2
	- Anticorrosive tape for pipe	ø20	m	28					T6.21.2
	- Painting to exposed pipe	ø25	m	8					T6.21.2
	- Painting to exposed pipe	ø20	m	26					T6.21.2
ii) Drainage and sewerage									
	- P.V.C. pipe	ø100	m	31					T6.21.2
	- P.V.C. pipe	ø75	m	25					T6.21.2
	- P.V.C. pipe	ø65	m	23					T6.21.2
	- P.V.C. pipe	ø50	m	18					T6.21.2
	- P.V.C. pipe	ø40	m	4					T6.21.2
	- P.V.C. pipe	ø20	m	3					T6.21.2
	- Floor drain	ø50	ea	2					T6.21.2
	- Pipe cleanout	ø100	ea	1					T6.21.2
	- Pipe cleanout	ø80	ea	1					T6.21.2

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Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
	- Pipe cleanout ø65	ea	1						T6.21.2
	- Vent cap. ø50	ea	1						T6.21.2
	- Catch basin 450 x 450 w/concrete cover	set	4						T6.21.2
	- Cesspool 450 x 450 w/iron cover	set	2						T6.21.2
iii)	Plumbing fixture								
	- Water closet w/cistern tank	set	1						T6.21.2
	- Urinal, wall hung w/flush valve	set	1						T6.21.2
	- Lavatory sink, wall hung w/faucet stop valve and mirror	set	1						T6.21.2
	- Service sink, floor mounted w/faucet	set	1						T6.21.2
	- shower set w/wall mounted head and stop valve	set	1						T6.21.2
	- Swing faucet	ea	1						T6.21.2
iv)	Septic tank								
	- Factory fabricated septic tank, complete, capacity 16 persons w/blower	set	1						T6.21.2
	- Submerged drain pump 50 l/min., w/controls	set	2						T6.21.2
	- Drain pump pit	ea	1						T6.21.2

Note: The Tenderer shall fill in JY or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
2) Airconditioning and ventilation systems									
-	Airconditioner, cassette type room unit, 5,690 kcal/hour x 1,080 m ³ /hour w/condensing unit	set	2						T6.21.2
-	Airconditioner, cassette type room unit, 4,460 kcal/hour x 960 m ³ /hour w/condensing unit	set	1						T6.21.2
-	Airconditioner, cassette type room unit, 3,040 kcal/hour x 900 m ³ /hour w/condensing unit	set	1						T6.21.2
-	Exhaust propeller fan, ø250 wall mounted, 900 m ³ /h	set	2						T6.21.2
-	Refrigerant copper tube, ø15.9	m	35						T6.21.2
-	Refrigerant copper tube, ø12.7	m	12						T6.21.2
-	Refrigerant copper tube, ø6.4	m	47						T6.21.2
-	Condensed water pipe, P.V.C. ø40	m	14						T6.21.2
-	Condensed water pipe, P.V.C. ø25	m	20						T6.21.2
Subtotal of item /02									
Total of item I1									

Note: The Tenderer shall fill in JY or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
12	Gate Control House								
101	Building works								
	1) Earthwork								
	- Excavation	m3	31						T6.2
	- Backfill	m3	21						T6.2
	- Disposal	m3	10						T6.2
	- Gravel bedding	m3	10						T6.2
	2) Concrete work								
	- Concrete Class A for structure	m3	71						T6.3
	- Concrete Class F	m3	1						T6.3
	- Form F1	m2	212						T6.3
	- Form F3	m2	371						T6.3
	- Reinforcing bar	kg	8,520						T6.3
	3) Bituminous waterproofing work								
	- 3 ply built-up asphalt roofing	m2	105						T6.5.5
	4) Plastering work								
	- Cement mortar plaster on floor	m2	109						T6.8.5
	- Base cement mortar plaster 20mm thick for bituminous waterproofing	m2	105						T6.8.5
	- Cement mortar plaster to interior wall	m2	196						T6.8.5

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Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs)	Ref. Clause or Sub-clause
				Unit Price	Amount	Unit Price	Amount		
5)	Painting work								
	- Oil paint to metal surface	m2	10						T6.9.3
	- Vinyl emulsion paint on cement mortar	m2	563						T6.9.3
6)	Doors and windows								
	- Aluminium windows and frames including hardware, accessories and calking to outside perimeter	m2	9						T6.14.3
	- Steel windows and frames including hardware, accessories and calking to outside perimeter	m2	2						T6.13.5
7)	Glazing work								
	- Plate glass 3mm thick including glazing bead	m2	10						T6.15.3
8)	Miscellaneous metal work								
	- Roof drain, cast iron made, 100mm dia.	no	2						T6.16.3
	- Metal coping	m	43						T6.16.3
	- Suspension hook ø16	no	3						T6.16.3

Note: The Tenderer shall fill in J₪ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
9)	Miscellaneous work								
	- P.V.C. downspout, 100mm dia. including accessories	m	11						T6.17.3
				Subtotal of item /01					
				Total of item 12					

Note: The Tenderer shall fill in J\$ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
13	Inspection Shaft Entrance House								
	/01 Building work								
	1) Concrete work								
	- Concrete, Class A for structure	m3	7						T6.3
	- Form F1	m2	47						T6.3
	- Form F3	m2	20						T6.3
	- Reinforcing bar	kg	950						T6.3
	2) Masonry work								
	- Concrete block wall, 200 mm thick including filling cement mortar and with wire lath	m2	35						T6.4.2
	3) Plastering work								
	- Cement mortar plaster to interior wall	m2	43						T6.8.5
	- Waterproof cement plaster on roof	m2	24						T6.8.5
	- Cement mortar plaster to exterior wall	m2	63						T6.8.5
	- Waterproof cement plaster to roof parapet	m2	10						T6.8.5
	4) Painting work								
	- Oil paint to metal surface	m2	274						T6.9.3
	- Vinyl emulsion paint on cement mortar	m2	63						T6.9.3

Note: The Tenderer shall fill in JY or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
5)	Doors and windows								
	- Steel door leaves and frames including hardware, accessories and calking to outside perimeter	m2	4						T6.13.5
	- Jalousie windows and frames including hardware, accessories and calking to outside perimeter	m2	3						T6.13.5
6)	Glazing work								
	- Plate wire glass 6.8 mm thick including glazing bead	m2	3						T6.13.5
7)	Miscellaneous metal work								
	- Steel ladder including steel checkered plate 6 mm thick, base plate, anchor bolt, base mortar and accessories	kg	4,900						T6.16.3
8)	Miscellaneous work								
	- Steel pipe handrail, 40 mm dia. including balusters	m	28						T6.17.3
	- Suspension hook ø16	no	1						T6.17.3
	- P.V.C. downspout, 75 mm dia., L=250 mm	no	2						T6.17.3
<u>Subtotal of item 101</u>									
<u>Total of item 13</u>									

Note: The Tenderer shall fill in J\$ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
14	Inspection Gallery including Inspection Tunnel								
	/01 Ventilation works								
	- O.A. intake fan, axial flow fan ø700 x 9,720 m3/hour x 45mm Aq x 2.2 kW with concrete base	set	1						T6.21.2
	- Exhaust fan, axial flow fan ø700 x 9,720 m3/hour x 45mm Aq x 2.2 kW	set	1						T6.21.2
	- Air chamber 1,200 x 1,000 x 600 (galvanized steel sheet)	ea	2						T6.21.2
	- O.A. intake louver 1,200 x 1,000	ea	2						T6.21.2
	- Painting of air chamber	m2	8						T6.9.3
	Subtotal of item /01								
	Total of item 14								

Note: The Tenderer shall fill in JY or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

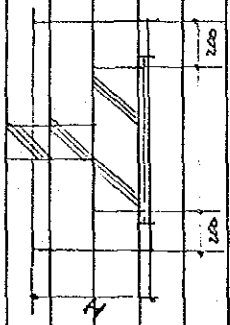
Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
15	GROUT TUNNEL								
/01	Ventilation works (No.1 grout tunnel)								
	- O.A. intake fan, axial flow fan ø400 x 2,900m ³ /hour x 20mm Aq x 0.35 kW	set	1						T6.21.2
	- Spiral duct ø400 (Galvanized steel sheet)	m	85						T6.21.2
	- O.A. intake louver 500 x 600	ea	2						T6.21.2
	- Painting to duct	m ²	120						T6.9.3
	<u>Subtotal of item /01</u>								
/02	Ventilation works (No.2 grout tunnel)								
	- O.A. intake fan, axial flow fan ø700 x 8,200m ³ /hour x 50mm Aq x 2.2 kW w/concrete base	set	1						T6.21.2
	- Spiral duct ø700 (Galvanized steel sheet)	m	425						T6.21.2
	- O.A. intake louver 800 x 1,000	ea	2						T6.21.2
	- Painting to duct	m ²	950						T6.9.3
	<u>Subtotal of item /02</u>								
	<u>Total of item 15</u>								
	TOTAL OF ITEM 1								

Note: The Tenderer shall fill in J¥ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.


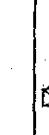






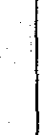


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I. BUILDING WORK

Excavation						
F1	1.7 x 1.7 x 1.0	15	43.35			
F2	1.2 x 9.6 x 1.0	1	11.53			
FBI (A) (D) (S)	0.7 x 2.3 x 0.4 x 4	1	2.58			
⊙ (D) (S)	0.7 x (2.3 x 4 - 1.2) x 0.4	1	2.24			
⊙ (A) (S)	0.7 x 2.3 x 0.4 x 2	2	2.58			
			213			
			(62.27)			
			213			
Backfill	Excavation - Disposal		(39.23)			
Disposal						
F1 concrete			8.17			
F2			1.62			
FBI	0.3 x 0.3 x 3.7	12	4.0			
FW Frup	0.2 x 0.3 x 9.0	1	0.54			
C1	0.3 x 0.3 x 0.35	15	0.47			
F1, F2, FBI, Gravel			5.75			
Concrete			2.49			
CLASS F			213			
			(23.04)			



CONCRETE AND FORMWORK

CONCRETE			FORMWORK		
Calculation	Qty	Total m ³	Calculation	Qty	Total m ²
F1 	15	8.17	1.1 x 1.1 x 0.85	15	29.7
F2 	1	1.62	0.6 x 2.0 x 0.3	1	5.4
F1A @ 0-0 	8	5.33	0.6 x 0.6 x 0.3	8	35.52
1 00 @ 0-0 	4	2.66	0.3 x 0.6 x 0.3	4	17.76
FW Flup 	1	1.08	0.2 x 0.6 x 0.9	1	10.8
C1 IF 	15	5.74	0.3 x 0.3 x 0.25	15	76.5
1 2F 	13	4.21	0.3 x 0.3 x 0.3	13	56.16
1B1 	22	13.21	0.25 x 0.6 x 0.3	19	83.66
1 	3		1.32 x 0.3	3	14.65
1B2 	6	0.41	0.35 x 0.6 x 0.45	6	4.28
1 00 @ 0-0 	8	1.02	0.25 x 0.6 x 0.85	4	4.05
		< 42.45 >		4	4.49
					< 342.97 >

CONCRETE AND FORMWORK

CONCRETE			FORMWORK		
Calculation	Qty	Total m ³	Calculation	Qty	Total m ²
0.25 x 0.6 x 1.45	/	0.22	1.19 x 1.45	/	1.73
0.25 x 0.8 x 2.7	/	1.54	1.73 x 2.7 - 0.12 x 6.3	/	12.58
0.25 x 0.8 x 2.7	/	1.54	1.61 x 2.7	/	12.4
0.25 x 0.6 x 3.7	16	8.88	1.18 x 3.7	10	43.66
			1.21 x 3.7	6	26.86
			0.15 x 0.75	2	0.23
0.25 x 0.6 x 3.7	2	1.12	1.21 x 3.7	2	9.0
0.25 x 0.6 x 0.45	6	0.71	1.21 x 0.45	6	3.27
0.25 x 0.6 x 0.85	8	1.02	1.21 x 0.85	4	4.11
			1.33 x 0.85	4	4.52
0.25 x 0.6 x 1.55	/	0.23	1.15 x 1.55	/	1.78
15.05 x 2.55 x 0.13	/	14.77	15.05 x 2.55	/	113.63
0.45 x 1.00 x 0.13	2	1.17	0.45 x 1.00	2	9.0
0.85 x 3.8 x 0.13	4	1.68	0.85 x 3.8	4	12.92
1.38 x 5.75 x 0.13	/	1.07	1.38 x 5.75	/	8.21
		< 33.65 >			< 263.9 >

CONCRETE AND FORMWORK

	CONCRETE			FORMWORK		
	Calculation	Q'ty	Total m ³	Calculation	Q'ty	Total m ²
R51 (D~E) (A~C)	$15.0 \times 7.55 \times 0.12$	/	13.59	15.0×7.55	/	113.25
R52 (D) (A~C)	$0.45 \times 7.55 \times 0.15$	2	0.91	0.45×7.55	2	6.8
' (A) (D~E) (A~C)	$0.85 \times 4.35 \times 0.15$	4	2.17	0.85×4.35	4	14.85
' (A) (D~E) (A~C)	$1.38 \times 5.95 \times 0.15$	/	1.23	1.38×5.95	/	8.21
' (C)	$1.38 \times 6.2 \times 0.15$	/	1.28	1.38×6.2	/	8.56
Slab on grade		/	76.76			
			< 35.94 >			< 151.27 >
TOTAL			112.04			758.11

	F	I	C.S.T	W.T	F.T	B	T.F	C.P.P	W	C.P.P	W.T	C	"	R.C.T	TREAD & RISE
INTERIOR FINISH LIST															
TOTAL	101.53	93.63	54.05	10.52	137.82	27.6	468.91	46.68	48.06	75.44	125.59	110.05	13.81		
ENTRANCE HALL	24.08				18.8		42.02	21.6		17.25					
STAIR										10.35					
GENERATOR R.		73.03			38.0		130.5				84.99				
STORE R.		20.6			15.9		57.57				20.6				
CONTROL R.			54.05				27.6	59.82	7.06			60.05			
OFFICE R.	19.13				14.8		40.06					19.13			
BREAK R.	19.13				15.12		35.22					19.13			
DINING R.	11.74				11.5		35.30					11.74			
LAVATORY				10.52							48.06	10.52			
CORRIDOR	27.45				23.7		67.9	17.82				37.02			

FINISHING WORKS

	D-6	Δ 18 x 3				Δ 3.6			
	W-4	Δ 3.6 x 0.6 x 3				Δ 6.48			
C	E.C	11.85 x 0.35				634	84.99		
		3.85 x 2.5				963			
	BEAH BATH SIDE	3.7 x 0.96 x 3				10.66			
	"	1.35 x 0.96 x 1				13			
	STORE R								
F	C. ST	3.85 x 5.35				206	206		
B	C. P.P	(3.85 + 5.35) x 2				18.4	15.9		
		Δ 0.7 + 1.8				Δ 2.5			
W	C.P.P	(3.85 + 5.35) x 2 x 3.48				1403	57.57		
	COLUMN	0.05 x 2 x 2 x 3.48				0.7			
	D5	Δ 0.7 x 2				Δ 1.4			
	D6	Δ 1.8 x 2				Δ 3.6			
	W4	Δ 3.6 x 0.6				Δ 2.16			
C	E.C	3.85 x 5.35				206	206		

FINISHING WORKS

1ST FLOOR																		
CONTROL R.																		
F	TT				79 x 585 + 68 x 15 x 29		54.05							54.05				54.05
B	C.P.P	H=100			(79 + 2 + 6.95 + 6.95) Δ 0.8 x 2 + 1.0		23.8							27.6				
						ROUND	6.6											
W	C.P.P				(79 + 2 + 6.95 + 6.95) x 2.9		69.02							69.8				
					Δ 1.0 x 2		Δ 2.4											
					Δ 0.8 x 2 x 2		Δ 3.2											
					Δ 1.0 x 1.8 x 2		Δ 3.6											
						ROUND	6.6 x 2.9											
							19.4											
							Δ 1.8											
C	R.C.T				79 x 585 + 68 x 15 x 29		54.05							60.05				
					RB, SIDE		2.32											
					RZ "		3.08											
					RB5		0.6											

VI-6-25

FINISHING WORKS

Room	Item	Quantity	Unit	Rate	Total	Date
OFFICE						
E						
		4.35 x 4.25		19.13		19.13
B	C.P.P H=100	(4.35 + 4.25) x 2		17.2		17.2
	W-1	Δ 0.8		Δ 0.8		
	D-2	Δ 0.8 x 2		Δ 1.6		
W						
	C.P.P	(4.35 + 4.25) x 2 x 2.7		46.44		40.06
	W-1	Δ 3.6 x 1.8 + 0.8 x 1.0		Δ 7.28		
	D-2	Δ 0.8 x 2 x 2		Δ 3.2		
C	COLUMN	(2 + 0.8 x 4) x 2.7		4.1		
	R.C.T	4.35 x 4.25		19.13		19.13
BREAK ROOM						
F						
	T.T	4.35 x 4.25		19.13		19.13
B						
	C.P.P H=100	1.72 - 2.4 + 0.32		15.17		15.17
W						
	C.P.P	(4.35 + 4.25) x 2 x 2.7		46.44		35.20
COLUMN						
		0.8 x 4 x 2.7		0.86		
	W-1	Δ 3.6 x 1.8 + 0.8 x 1.0		Δ 7.28		
D-2						
		Δ 0.8 x 2 x 3		Δ 4.8		

FINISHING WORKS

C	R.C.T					435 x 435		1913	1913				
	DINING R												
F	TT					305 x 385		1174	1174				
B	C.P.P	H=100				(305+385) x 2		138	115				
			D-2			Δ 08 x 2		Δ 16					
			D-5			Δ 07		Δ 07					
W	C.P.P					(305+385) x 2 x 27		3736	3530				
			D2			Δ 07 x 2		Δ 14					
			D5			Δ 07 x 2		Δ 14					
			COLUMN			008 x 4 x 27		086					
C	R.C.T					305 x 385			1174				
	LAVATORY												
F	F.T					305 x 385		1052	1052				

	F	C.T	W.P.C.M	T.T	W.T	C.P.P.	C.P.P.	ROOINB	B.W	C	
EXTERIOR	B.W & C.M									E.C.P	
FINISH LIST.											
TOTAL	173,84	32,85	15,48	6,70	158,3	309,56	62,22	19,09		51,43	
	m ²	m ²	m ²	m ²	m ²	m ²	m ²	m ²		m ²	
ROOF Floor	173,94	32,85	15,48	6,70					9,09		
FASCIA					24,08						
WALL & SOFFIT					84,22	309,56	62,22				
CELLING										51,43	

VI-6-30

FINISHING WORKS

(EXTERIOR FINISH)										
Red F Flood										
"	BN & CM	120 425	45 x 100 x 2					90	1739K	
"		224	8 x 81					648		
"		U	58 x 15 x 11 x 2					194		
"	C.T		41 x 8.5					3485	3025	
"	POUCH	A	10 x 26					26		
"	W.P.C.M		43 x 29 x 4					1548	1548	
"	T.T		24 x 28					6.72	6.72	
WALL	PARAPET									
"	E.C. & B.W	122, 425	(46 x 4 + 1 x 4) x 0.3					6.72	1909	
"	"		18 x 2 x 0.3					6		
"		224	10 x 8 x 0.3					24		
"		U	6 x 2 x 11 x 0.3					396		
FASCIA										
"	W.T	A.C LINE	47 x 44 x 4					8272	7408	
"			10 x 44 x 4					176		
"		OPEN	43 x 16 x 4					2752		
"		WALL DITCH	08 x 02 x 8					128		

FINISHING WORKS

WALL & SOFFIT																				
W	WIT	1.5	LINE	100 x 44 x 2																
		W-3		20.7 x 18 x 3																
W	C.P.P	BALCONY	SIDE	(17.9) x 3.8 x 4																
			WAINSCOT	43 x 0.9 x 4																
			SOFFIT	43 x 0.5 x 4																
		1ST FL	A.C	LINE	108 x 44 x 2															
					22 x 44 x 2															
		W-2		22 x 18																
		W-1		(36 x 18 + 0.8 x 10) x 2																
		W-3		20.7 x 18 x 4																
		P-5		20.7 x 21 x 2																
		GROUND FL		(123 + 83 + (17 + 83) x 3.77																
		W-3		22 x 18																
		W-4		36 x 0.6 x 4																
		D-6		18 x 21 x 2																
		D-7		22 x 3																
				22 x 3.9																
		GROUND F	SOFFIT	43 x 0.5 x 4																
		GRABAGE	Block	5.1 x 1.0																
			COLUMN	12 x 4 x 3.77																

DOORS AND WINDOWS

	A	B	A X B	C	A X B X C	WOOD FLUSH DOOR	STEEL FLUSH DOOR	STEEL FLAZED DOOR	STEEL WINDOW	ALUMI WINDOW	ALUMI TRAILOR W/ WOOD	ALUMI FLAZED DOOR	WOOD - SOP	STEEL SOP
	Qty													
D-1	1.2 x 2.1	2.52	2.52	2.2	5.54	2.52							5.54	
D-2	0.8 x 2.1	1.68	10.08	2.2	22.18	10.08							22.18	
D-3	0.7 x 2.1	1.47	1.47	2.5	3.68	1.47							3.68	
D-4	0.6 x 2.0	1.2	1.2	2.5	3.0	1.2							3.0	
D-5	0.8 x 2.1	1.68	6.72	2.2	14.78		6.72							14.78
D-6	1.8 x 2.1	3.78	7.56	2.5	18.9		7.56							18.9
D-7	2.2 x 3.0	6.6	6.6	1.0	6.6				6.6					6.6
	0.8 x 2.1	1.68	1.68	1.0	1.68			1.68	1.68					1.68
W-1	0.8 x 2.1	1.68	3.36									3.36		
	3.6 x 1.8	6.48	12.96						12.96					
	0.8 x 1.1	0.88	4.176						4.176					
W-2	8.0 x 1.7	13.6	13.6						13.6					
W-3	0.7 x 1.8	1.26	10.08						10.08					
W-4	3.6 x 0.8	2.88	11.52							11.52				
TOTAL						15.27	14.28	1.68	4.72	34.88	11.52	3.36	34.4	41.29

Working Division: FINISHING WORK

Description	Calculation Details	Unit	Quantity	Remarks
	<u>LIST OF ABBREVIATION</u>			
F	FLOOR			
B	BASE BOARD			
W	WALL			
C	CEILING			
A.C.B.P	ASBESTOS CEMENT BOARD PAINTING			
L	ASBESTOS CEMENT SHEET PAINTING			
B.W	BITUMINOUS WATERPROOFING			
C.P.P	CEMENT PLASTER PAINTED			
C.S.T	CEMENT SCREED TROWELLED			
C.T	CONCRETE TROWELLED			
E.C	EXPOSED CONCRETE			
E.C.P	EXPOSED CONCRETE PAINTING			
E.W.P	EPOXY WATERPROOFING			
F.T	FLOOR TILE			
O.P	OIL PAINTING			
R.C.T	ROCKWOOL CEILING TILE			
R.T	ROCKWOOL TILE			
T.T	TERRAZZO TILE			
V.S	VINYL STRIP			
V.T	VINYL TILE			
W.P.C.M	WATERPROOF CEMENT MORTAR			
W.P.C.P	WATERPROOF CEMENT PLASTER			
W.T	WALL TILE			

DAM CONTROL HOUSE

																			Total
•	3	3	2																8
•••	/	/																	2
•3	/	/																	2
•WP	/																		1
⊕	/																		1
⊕2	15	3																	18
⊕WP	/	/	2																4
⊕WP	/	/	/																3
▣ A	/																		1
▣ B	/								0										1
B402	5																		5
B401	6	2																	8
P401	5	2	/																8
E402	12																		12
G401	2																		2
⊕		4																	4

DAM CONTROL HOUSE

			Total
2	Drainage and Sewerage works		
	P.V.C pipe	3+5+4.5+3.5+2+3.5+4	X 1.2 = 31
	-Do-	2.5+4+3+10+1	X 1.2 = 25
	-Do-	5+1.5+4+3.5+2+1.5+1.5	X 1.2 = 23
	-Do-	1+2+4+2+6	X 1.2 = 18
	-Do-	2+1	X 1.2 = 4
	-Do-	2.5	X 1.2 = 3
	Floor drain	2	2
	Flt. clean out	1	1
	-Do-	1	1
	-Do-	1	1
	Vent. cap	1	1
	Catch basin	4	4
	Cess pool	2	2
	Septic tank	1	1
	Drainage pump pit	1	1
	Drain pump	2	2
3	Plumbing fixture		
	Water closet	1	1
	Urinal	1	1
	Lavatory sink	1	1
	Service sink	1	1
	Shower set	1	1
	Swing faucet	1	1

Lot 2

GATE CONTROL HOUSE (BUILDING WORK)

Excavation								
F	1.2 x 25.3 x 1.0	/	m ³	30.36	Reinforcing bars			
					conc class A			8.520
					71.0 m ³ x 120 kg/m ³			(8.520)
Backfill	Excavation - Disposal		m ³	20.88				
Disposal								
F Concrete				3.8				
FG	26.65 x 0.55 x 0.25			3.66				
F Gravel				1.01				
CONCRETE CLASS F				1.01				
				(9.48)				
F	Gravel bedding							
	0.8 x 25.3 x 0.05	/		1.01	Concrete class F			1.01
Slab on grade	12.9 x 4.6 x 0.13	'		7.71				
'	3.95 x 1.0 x 0.13	'		0.51				
'	2.3 x 1.3 x 0.13	'		0.39				
				m ³				m ³
				(9.62)				(1.01)

CONCRETE AND FORMWORK

CONCRETE			FORMWORK		
Calculation	Qty	Total m ³	Calculation	Qty	Total m ²
F (A) ②~③ 4.75 = 4.75					
(B) ①~④ 13.7 - 3.55 = 10.15					
(C) ⑤ (4.0 + 0.8) × 2 = 9.6					
(D) ⑥ 0.4 × 2 = 0.8					
(E) ⑦ (25.3) × 0.6 × 0.25	/	3.8	(25.3) × 0.25 × 2	/	12.65
FG (A) ②~③ 4.35 = 4.35					
(B) ①~④ 2.25 = 2.25					
(C) ⑤~⑥ 6.3 + 0.15 = 6.45					
(D) ⑦ 5.4 × 2 = 10.8					
(E) ⑧ 1.4 × 2 = 2.8					
(F) ⑨ (26.65) × 0.65 × 0.25	/	4.33	(26.65) × 0.65 × 2	/	34.65
C (D) 0.25 × 0.4 × 5.0	3	1.5	1.3 × 5.0	3	19.5
(E) 0.25 × 0.4 × 4.0	3	1.2	1.3 × 4.0	3	15.6
(F) 0.25 × 0.2 × 5.0	2	0.5	0.9 × 5.0	2	9.0
(G) 0.25 × 0.2 × 5.11	2	0.51	0.9 × 5.11	2	9.2
B1 (D) ①~④ 0.25 × 0.6 × 5.24	3	2.36	1.21 × 5.24	3	19.02
B2 (D) ①~④ 0.25 × 0.6 × 12.25	3	3.68	1.33 × 12.25	/	16.97
		< 17.88 >	1.21 × 12.25	/	14.82
					< 150.73 >

CONCRETE AND FORMWORK

	CONCRETE			FORMWORK		
	Calculation	Qty	Total m ³	Calculation	Qty	Total m ²
S1	$12.25 \times 5.54 \times 0.12$	/	8.14	12.25×5.54	/	67.87
S2	$2.2 \times 0.8 = 1.76$					
"	$3.95 \times 0.7 = 2.77$					
"	$6.35 \times 0.8 = 5.08$					
	$(9.61) \times 0.12$	/	1.15	$(9.61) \times 1$	/	9.61
W100	$\overset{8.55}{(2.2 + 6.35)} \times 0.6 \times 0.1$	/	0.51	8.55×1.18	/	10.09
W200	$3.95 \times 5.0 = 19.75$					
"	$2.18 \times 4.4 = 9.59$					
"	$6.08 \times 4.4 = 26.75$					
"	$12.15 \times 4.51 = 54.8$					
"	$1.0 \times 5.0 \times 4 = 20.0$					
"	$5.1 \times 5.0 \times 2 = 61.0$					
F	$4 \times 1.8 \times 1.2 \times 3 = 4 \times 6.48$					
D-1	$4 \times 1.6 \times 3.0 \times 1 = 4 \times 4.8$					
W-1	$4 \times 1.2 \times 0.8 \times 9 = 4 \times 8.64$					
	$(17.97) \times 0.2$	/	3.59	$(17.97) \times 2$	/	35.94
Sleeh on glade			8.61			
TOTAL			52.8			431.51

Working Division: FINISHING WORK

Description	Calculation Details	Unit	Quantity	Remarks
	<u>LIST OF ABBREVIATION</u>			
<u>F</u>	<u>FLOOR</u>			
<u>B</u>	<u>BASE BOARD</u>			
<u>W</u>	<u>WALL</u>			
<u>C</u>	<u>CEILING</u>			
<u>A.C.B.P</u>	<u>ASBESTOS CEMENT BOARD PAINTING</u>			
	<u>ASBESTOS CEMENT SHEET PAINTING</u>			
<u>B.W</u>	<u>BITUMINOUS WATERPROOFING</u>			
<u>C.P.P</u>	<u>CEMENT PLASTER PAINTED</u>			
<u>C.S.T</u>	<u>CEMENT SCREED TROWELLED</u>			
<u>C.T</u>	<u>CONCRETE TROWELLED</u>			
<u>E.C</u>	<u>EXPOSED CONCRETE</u>			
<u>E.C.P</u>	<u>EXPOSED CONCRETE PAINTING</u>			
<u>E.W.P</u>	<u>EPOXY WATER PROOFING</u>			
<u>F.T</u>	<u>FLOOR TILE</u>			
<u>O.P</u>	<u>OIL PAINTING</u>			
<u>R.C.T</u>	<u>ROCKWOOL CEILING TILE</u>			
<u>R.T</u>	<u>ROCKWOOL TILE</u>			
<u>T.T</u>	<u>TERRAZZO TILE</u>			
<u>T.S</u>	<u>VINYL STRIP</u>			
<u>T.T</u>	<u>VINYL TILE</u>			
<u>W.P.C.M</u>	<u>WATERPROOF CEMENT MORTAR</u>			
<u>W.P.C.P</u>	<u>WATERPROOF CEMENT PLASTER</u>			
<u>W.T</u>	<u>WALL TILE</u>			

Item No.	Work	Unit	Quantity	Foreign Currency ()		Local Currency (Rs)		Total Equivalent (Rs) or Sub-clause	Ref. Clause
				Unit Price	Amount	Unit Price	Amount		
J REPAIR FOR EXISTING MUNICIPAL DIKE									
/01	Boulder backfilling	m3	570						T2.7.6
/02	Providing of concrete blocks	m3	1,400						T4.1.18
/03	Cement grouting	m	960						T3.12.9

Note: The Tenderer shall fill in J\$ or US\$ in brackets adjacent to "Foreign Currency" described above, which the Tenderer proposes to apply as the foreign currency in the Contract.

Working Division: J REPAIR FOR EXISTING MUNICIPAL DIKE

Description	Calculation Details	Unit	Quantity	Remarks
101	Boulder backfilling	m ³	570	<p>7.5 m 1.5 m 15 m 10 m 1.3 m 1.2 m 10 m 3 m 29 m (19 blocks)</p>
	<p>Sec. B-B Area = $\frac{1}{2} \times 10 \times 3 \text{ m} = 15 \text{ m}^2$</p> <p>$V = 2 \text{ times} \times \frac{1}{3} \times (15 + 10 + \sqrt{10 \times 15}) \times \frac{15}{2} = 471.8 \text{ m}^3$</p> <p>$471.8 \text{ m}^3 \times 1.2 = 570 \text{ m}^3$</p>			<p>Sec. A-A } Area = 0 Sec. C-C } Sec. B-B } 1.3 m (con. block) lower than 1.2 m H = 3 m (backfill) 1.2 m (concrete block) 10 m (backfill)</p>
102	<p>Providing of concrete blocks</p> <p>$V = 12 \text{ m} \times 1.3 \text{ m} \times 95 \text{ m} = 1,190 \text{ m}^3$</p> <p>$1,190 \text{ m}^3 \times 1.2 = 1,400 \text{ m}^3$</p>	m ³	1,400	
103	<p>Cement grouting</p> <p>Total length $L = 80 \text{ slope} + 10 \text{ m/Block} = 80 \text{ m}$</p> <p>$800 \times 1.2 = 960 \text{ m}$</p>	m	960	

