

AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION			DATE:				
Sr. No.	Description of Items	UNIT	Estimated QTY.	RATE WITH MATERIAL & LABOUR	*RATE WITH LABOUR	REMARKS	
A	EARTHWORK						
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murrum, including removing the excavated material up to a distance of 0.5 Km. beyond the building area & stacking and spreading as directed within the yard area, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete as per specification and as directed by Engineer in charge. (Lift up to 1.5m.) - Payment will be paid as per PCC Plan area.	Cum	200.00				
2	Excavation for foundation in earth, soil of all types, sand, gravel and soft murrum, including removing the excavated material up to a distance of 0.5 Km. beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete as per specification and as directed by Engineer in charge. (Lift from 1.5m to 3.0m.) - Payment will be paid as per PCC Plan area.	Cum	200.00				
B	PCC & R.R.SOLING						
3	Providing & laying Plain Cement Concrete of M10 Grade with 20 mm size graded machine crushed stone aggregate including placing, compacting, finishing the surface in smooth finish to the correct level and curing with contractors labour, materials, plants, machinery and equipment with all lead and lift including shuttering.	Cum	40.00				
4	Supply & laying 230 mm thk. rubble soling as per General Specifications and of approved quality, lay rubble packing with interstices filled with approved murrum or stone dust, or sand watered and rolled to compaction in line, level, gradient, etc. complete. Finished dimensions shall be measured. (Wherever required),using 150 mm to 230mm random stone including filling the voids with 80mm trap metal and sand / grit ramming properly , watering etc. complete as per specifications, drawings and directed by Engineer-in-charge.	Cum	30.00				

C	STRUCTURAL CONCRETE AND STEEL						
5	Providing and laying machine mixed machine vibrated watertight controlled reinforced cement concrete M25 grade (including providing & mixing of water reducing admixture / superplasticizer (Sika, Fosroc OR BASF) as per manufactures specifications) as per design mix by weigh batching using 20mm and smaller size machine crushed black trap metal or approved coarse aggregates and sand in all heights and depths, types and size, including watering, placing (pouring), necessary scaffolding, staging, hoisting, leaving pockets for the pipe flanges, sockets, etc. as directed keeping drip moulds, grooves if any including curing, testing, etc. complete.	Cum	200.00				
6	Centering and shuttering including, shuttering, propping, nails, binding wire and removal of form below plinth level for foundation, footings, tie beams/plinth beams, columns, copings etc. complete in and as directed by Engineer- in- Charge	Sqm	450.00				
7	Fabricating & fixing in position FE-415 / FE-500 D (Fe 415 up to 16 mm bar dia. and Fe 500 D for 20 mm and above) reinforcement as per drawing including straightening, cutting to required length, bending, binding with 16 Gauge annealed wire, welding if necessary, providing concrete cover blocks of required thickness, giving strength results including provision of wastage, rolling margin etc. complete as directed and specified (only authorized laps will be measured and paid for). No extra labour shall be paid for making chairs and hooks. Rate includes cost of binding wire and transportation, loading and unloading of steel from the store of Owner at Site.						
	HYSD of TMT Fe 415/500 D grade conforming to IS 1786 : 2008	MT	5.80				
8	Fabricating and erection of structural steel work in rolled sections like joists, channels, angles, tees and trusses. R.S. J channels etc. with caps, bases mild steel plates, angle brackets, cleats, gusset plates, anchor bolts etc. as per detailed designs and drawing or as directed including cutting, fabrication, hoisting, erecting, fixing in position, making riveted/bolted/welded connections and applying approved make paint etc, all complete as per specification and as directed by the Engineer In Charge. Weight of bolt / welding shall not be considered for payment. (Structural shall be supplied as free issue item to the contractor by the purchaser at the purchaser's stores.). Welding shall be done by approved electrodes only (Advani, ESAB or equivalent).	MT	0.51				

D	WATER PROOFING						
9	Appling of Water proofing plaster (providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.)	Sqm	85.0				
E	MASONARY						
10	Providing & laying Brick masonry including all labour & material etc. including all formwork, scaffolding & lift and lead upto required height, including laying brick masonry in CM (1:6) including filling joints,recking,curing etc.complete as directed.the bricks shall be of min B class with crushing strength of min 35 kg/cm2 in foundation and upto plinth level. as directed by Engg. in charge and Consultants.	Cum	40.00				
	Demolition of Masonary and RCC ; and removing material up to .5 Km.						
	RCC floor, slab, column						
	Masonry (Wall)						
	Material						
11	Portland Cement 43 Grade (Brand: Ultratech, Ambuj, JK) 50kg bag	Bag					
12	Good Quality Sand for RCC	Cum					
13	Good Quality Aggregate 20mm	Cum					
14	Good Quality Aggregate 40 mm	Cum					
15	TMC Steel Bar (Brand TATA) 20mm	Kg.					
16	TMC Steel Bar (Brand TATA) 18mm	Kg.					
17	TMC Steel Bar (Brand TATA) 16mm	Kg.					
18	TMC Steel Bar (Brand TATA) 12mm	Kg.					
19	TMC Steel Bar (Brand TATA) 10mm	Kg.					
20	TMC Steel Bar (Brand TATA) 8mm	Kg.					
21	TMC Steel Bar (Brand TATA) 6mm	Kg.					
22	binding with 16 Gauge annealed wire	Kg.					
	* Only material Sand, Cement, Steel, Aggregate, Water, Electricity will be provided						
	Sealed tender should be submitted to Administration Div. on or before 24/3/2017 with terms and condition like work completion period, payment etc. Taxes will be deducted as per rules. Water and electricity will be made available for carrying out work.						
	Contact Person: C S Vora, Nilesh Mehta.						

Sr. No.	Description	No.	Length	Width	Depth	Qty.	TOTAL QTY	Unit			
VERTICAL DRIER MOUNTING											
A	RUBBLE SOLING										
		1.00	10.670	4.570	0.23	11.22	11.78	CUM			
B	P.C.C. (M-10)										
		1.00	10.670	4.570	0.10	4.88	5.12	CUM			
C	R.C.C. (M-25)										
		1.00	10.670	4.570	0.15	7.31	7.68	CUM			
D	REINFORCEMENT										
Sr.No.	DESCRIPTION	No.	NO OF BAR	BAR DIA.	LENGTH	8mm	10mm	12mm	16mm		
		1	54	8	4.570	246.78	-	-	-		
		1	23	8	10.670	245.41	-	-	-		
						200.00	0.00	0.00	0.00	0.21	MT
LOADING AND UNLOADING SYSTEM(PITS FOR CAGE)											
A	P.C.C. (M-10)										
		1.00	5.600	1.800	0.10	1.01	1.06	CUM			
B	R.C.C. (M-25)										
		2.00	5.600	0.300	0.53	1.76	1.85	CUM			
B	SHUTTERING										
		2.00	5.600	-	1.05	11.76	12.35	SMT			
C	REINFORCEMENT										
Sr. No.	DESCRIPTION	No.	NO OF BAR	BAR DIA.	LENGTH	8mm	10mm	12mm	16mm		
		2	2	16	6.200	-	-	-	24.8		
		2	3	16	6.200	-	-	-	37.2		
		2	2	16	5.600	-	-	-	22.4		
		2	28	8	1.600	89.6	-	-	-		
						50.00	0.00	0.00	150.00	0.21	MT

BOILER AND WATER PUMP											
A	EXCAVATION UPTO 1.5MT. FROM F.G.L.										
		4.00	1.450	1.450	1.50	12.62					
		1.00	1.500	0.950	0.55	0.78	14.07	CUM			
B	EXCAVATION BELOW 1.5MT. FROM F.G.L.										
		4.00	1.450	1.450	0.55	4.63	4.86	CUM			
C	P.C.C. (M-10)										
		4.00	1.45	1.45	0.10	0.84					
		1.00	1.50	0.95	0.10	0.14					
		1.00	7.32	0.55	0.10	0.40	1.46	CUM			
D	R.C.C. (M-25)										
	BASE-1	4.00	1.25	1.25	0.35	2.19					
	BASE-2	1.00	1.30	0.75	0.25	0.24					
	TB	1.00	7.32	0.35	0.45	1.15					
	PADASTAL-1	4.00	0.50	0.45	2.25	2.03					
	PADASTAL-2	1.00	0.90	0.35	0.86	0.27	6.17	CUM			
E	SHUTTERING										
	BASE-1	4.00	5.00	-	0.35	7.00					
	BASE-2	1.00	4.10	-	0.25	1.03					
	TB	1.00	7.32	-	0.90	6.59					
	PADASTAL-1	4.00	1.90	-	2.25	17.10					
	PADASTAL-2	1.00	2.50	-	0.86	2.15	35.56	SMT			
F	REINFORCEMENT										
Sr. No.	DESCRIPTION	No.	NO OF BAR	BAR DIA.	LENGTH	8mm	10mm	12mm	16mm		
	BASE	4	12	8	1.850	88.8	-	-	-		
		4	12	8	1.850	88.8	-	-	-		
		1	9	8	1.250	11.25	-	-	-		
		1	5	8	1.800	9	-	-	-		
	PEDESTAL	4	8	16	3.350	-	-	-	107.2		
		4	23	8	1.750	161	-	-	-		
		1	14	12	1.600	-	-	22.4	-		
		2	10	8	1.570	31.4	-	-	-		
	TB	2	6	12	3.250	-	-	39	-		
		2	14	8	1.550	43.4	-	-	-		
		2	6	12	2.560	-	-	30.72	-		
		2	9	8	1.550	27.9	-	-	-		
						200.00	0.00	100.00	175.00	0.50	MT

FEED WATER TANK												
A	EXCAVATION UPTO 1.5MT. FROM F.G.L.											
		4.00	1.400	1.400	1.50	11.76	12.35	CUM				
B	EXCAVATION BELOW 1.5MT. FROM F.G.L.											
		4.00	1.400	1.400	0.55	4.31	4.53	CUM				
C	P.C.C. (M-10)											
		4.00	1.40	1.40	0.10	0.78						
		4.00	1.85	0.55	0.10	0.41	1.25	CUM				
D	R.C.C. (M-25)											
	BASE-1	4.00	1.20	1.20	0.35	2.02						
	TB	4.00	1.85	0.35	0.45	1.17						
	PADASTAL-1	4.00	0.45	0.45	2.20	1.78	5.21	CUM				
E	SHUTTERING											
	BASE-1	4.00	4.80	-	0.35	6.72						
	TB	4.00	1.85	-	0.90	6.66						
	PADASTAL-1	4.00	1.80	-	2.20	15.84	30.68	SMT				
F	STRUCTURAL STEEL											
	IP	4.00	0.35	0.35	125.60	61.54	0.06	MT				
G	REINFORCEMENT											
Sr. No.	DESCRIPTION	No.	NO OF BAR	BAR DIA.	LENGTH	8mm	10mm	12mm	16mm			
	BASE	4	10	8	1.800	72	-	-	-			
		4	10	8	1.800	72	-	-	-			
	PEDESTAL	4	8	16	3.300	-	-	-	105.6			
		4	44	8	1.670	293.92	-	-	-			
	HOLDFAST	4	3	8	0.650	7.8	-	-	-			
	TB	4	6	12	3.350	-	-	80.4	-			
		4	22	8	1.550	136.4	-	-	-			
						250.00	0.00	75.00	175.00	0.53	MT	

CHIMNEY												
A	EXCAVATION UPTO 1.5MT. FROM F.G.L.											
		1.00	3.050	3.050	1.50	13.95	14.65	CUM				
B	EXCAVATION BELOW 1.5MT. FROM F.G.L.											
		1.00	3.050	3.050	1.33	12.37	12.99	CUM				
C	RUBBLE SOLING											
		1.00	3.050	3.050	0.23	2.14	2.25	CUM				
D	P.C.C. (M-10)											
		1.00	3.05	3.05	0.15	1.40						
		1.00	0.71		0.15	0.11	1.58	CUM				
E	R.C.C. (M-25)											
	BASE-1	1.00	2.75	2.75	0.60	4.54						
	WALL	1.00	4.24	0.40	2.80	4.75						
	SLAB	1.00	0.71		0.50	0.35	10.12	CUM				
F	SHUTTERING											
	BASE-1	1.00	11.00	-	0.60	6.60						
	WALL	1.00	4.24	-	5.60	23.74	31.86	CUM				
G	REINFORCEMENT											
Sr. No.	DESCRIPTION	No.	NO OF BAR	BAR DIA.	LENGTH	8mm	10mm	12mm	16mm			
	BASE	2	18	12	3.750	-	-	135	-			
		2	18	10	3.750	-	135	-	-			
	WALL	2	43	12	4.150	-	-	356.9	-			
		2	40	10	4.239	-	339.12	-	-			
	SLAB	4	11	10	1.750	-	77	-	-			
						0.00	350.00	450.00	0.00	0.84	MT	

U.G. WATER TANK									
A	EXCAVATION UPTO 1.5MT. FROM F.G.L.								
		1.00	10.640	3.780	1.50	60.33	63.35	CUM	
B	EXCAVATION BELOW 1.5MT. FROM F.G.L.								
		1.00	10.640	3.780	1.19	47.86	50.25	CUM	
C	BRICK MASONARY								
		1.00	22.880	0.230	0.65	3.42			
		1.00	22.880	0.350	0.60	4.80			
		1.00	22.880	0.450	0.60	6.18			
		1.00	22.880	0.520	0.54	6.42			
		1.00	22.880	0.230	0.15	0.79	22.70	CUM	
D	P.C.C. (M-10)								
		1.00	10.64	3.78	0.10	4.02	4.22	CUM	
E	R.C.C. (M-25)								
	BASE-1	1.00	9.40	2.54	0.13	2.98			
	WALL	1.00	22.88	0.13	2.12	6.05			
	BEAM	1.00	22.88	0.35	0.35	2.80			
	SLAB	1.00	20.95		0.15	3.14	15.73	CUM	
F	SHUTTERING								
	WALL	1.00	22.88	-	2.12	48.39			
	BEAM	1.00	22.88	-	0.70	16.02			
	SLAB	1.00	20.95	-	-	20.95	89.63	SMT	
G	WATER PROOF PLASTER								
		2.00	9.150	-	2.12	38.70			
		2.00	2.290	-	2.12	9.69			
		1.00	9.400	2.540	-	23.88	75.88	SMT	
H	REINFORCEMENT								
Sr. No.	DESCRIPTION	No.	NO OF BAR	OF BAR DIA.	LENGTH	8mm	10mm	12m m	16mm
	BASE	1	61	10	3.190	-	194.59	-	-
		1	16	10	10.050	-	160.8	-	-
	WALL	1	17	8	22.88	388.96	-	-	-
		1	183	8	3.130	572.79	-	-	-
	SLAB	1	61	10	2.300	-	140.3	-	-
		1	11	8	9.150	100.6	-	-	-

	PEDASTAL BASE	1	27	10	5.300	-	143.1	-	-		
		1	29	10	5.000	-	145	-	-		
		1	27	12	5.300	-	-	143.1	-		
		1	29	12	5.000	-	-	145	-		
	PEDASTAL	1	101	12	2.80	-	-	282.8	-		
		1	17	10	12.600	-	214.2	-	-		
	WALL BASE	2	70	10	1.600	-	224	-	-		
		2	7	10	3.300	-	46.2	-	-		
		2	20	10	5.200	-	208	-	-		
		3	20	10	1.000	-	60	-	-		
	WALL	1	173	12	2.68	-	-	463.64	-		
		1	145	10	2.68	-	388.6	-	-		
		2	12	10	21.700	-	520.8	-	-		
						0.00	1225.00	925.00	0.00	2.26	MT
BLOW DOWN PIT											
A	EXCAVATION UPTO 1.5MT. FROM F.G.L.										
		1.0 0	1.800	1.800	1.50	4.86	5.10	CUM			
B	EXCAVATION BELOW 1.5MT. FROM F.G.L.										
		1.0 0	1.800	1.800	1.13	3.66	3.84	CUM			
C	P.C.C. (M-10)										
		1.0 0	1.80	1.80	0.15	0.49	0.51	CUM			
D	RUBBLE SOLING										
		1.0 0	1.80	1.80	0.23	0.75	0.78	CUM			
E	R.C.C. (M-25)										
	WALL BASE	1.0 0	2.25	-	0.30	0.68					
	WALL	1.0 0	4.00	0.25	3.00	3.00	3.86	CUM			
F	SHUTTERING										
	WALL BASE	1.0 0	6.00	-	0.30	1.80					

	WALL	1.00	4.00	-	6.00	24.00	27.09				
F	STRUCTURAL STEEL										
	MS PLATE	1.00	4.00	2.00	47.10	376.80					
		1.00	1.00	1.00	47.10	47.10	0.45				
G	REINFORCEMENT										
Sr. No	DESCRIPTION	No.	NO OF BAR	BAR DIA.	LENGT H	8mm	10mm	12mm	16mm		
	WALL BASE	2	7	10	1.600	-	22.4	-	-		
		2	7	10	1.600	-	22.4	-	-		
	WALL	2	40	10	3.30	-	264	-	-		
		2	15	8	4.00	120	-	-	-		
						50.00	200.00	0.00	0.00	0.26	MT