

SURAT MUNICIPAL CORPORATION					
Name of Work :- Construction of Garden developement at T.P.48 (Bhestan),F.P.77,South Zone-A (Udhna).					
SCHEDULE-B					
SMC-SOR:2023-24					
Sr. no	Description	Qty.	Rate	Unit	Amount
	<b><u>PART - I (CIVIL WORKS )</u></b>				
	<b><u>PART A</u></b>				
	<b><u>COMPOUND WALL</u></b>				
1	Excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 mt. lead and all lift, watering etc. complete.				
	(A) Loose or soft soil with manual labour				
	(1) Upto 1.5 Mt. Depth	96.00	117.26	C. M.	11,256.96
	(2) 1.5 to 3.0 Mt. Depth	44.00	129.98	C. M.	5,719.12
	<b>SMC SOR 23-24, ITEM NO.- 1</b>				
2	Boring holes 2.5 mt. deep in ordinary soil (for cast in situ piles) and disposal of surplus excavated soil as directed within a lead of 50 mt. for following diameter of piles.				
	(1)250 mm	95.00	326.84	R.M.	31,049.80
	(2)300 mm	0.00	391.74	R.M.	-
	<b>SMC SOR 23-24, COMPUND WALL &amp; OTHER MISC ITEM NO.- 94</b>				
3	Providing & laying C.C 1:3:6 (1cement :3 coarse sand :6 Crushed stone agg 20m.m Nominal size)&curing comp. excl. cost of form work in :(a) foundation & Plinth	19.00	3005.76	C. M.	57,109.44
	<b>SMC SOR 23-24, ITEM NO.- 5</b>				
4	Providing & laying cement concrete 1:1.5:3 (1 cement:1.5 sand:3 graded stone agg. 20 mm nominal size) & curing comp. Includ.cost of form work but exclu. Cost of reinforcement for reinforced concrete work in :				
	(a) Foundation, footing,base of columns & mass concrete.	25.00	4146.15	C. M.	1,03,653.75
	<b>SMC SOR 23-24, ITEM NO.- 6</b>				
5	Providing and laying ordinary cement concrete 1:1.5:3 ( 1 cement, 1.5 sand, 3 graded stone aggregates 20 mm nominal size ) finishing smooth curing etc. complete including cost of form work but excluding cost of reinforcement for reinforced concrete work (R.C.C.) in :				
	(A) COLUMNS :				
	(1) Having cross section area upto 0.08 sq.mt Ground Floor	12.00	12632.60	C. M.	1,51,591.20
	(2) Having cross section area more than 0.08 sq.mt and upto 0.12 sq.mt.	0.00	11166.97	C. M.	-
	(B) BEAMS :				
	(1) Having cross section area upto 0.08 sq.mt	20.00	9102.61	C. M.	1,82,052.20
	(2) Having c/s area more than 0.08 s.m. & upto 0.12 s.m	0.00	8174.41	C. M.	-
	(3) Having cross section area more than 0.12 sq.mt.	0.00	7086.88	C. M.	-
	<b>SMC SOR 23-24, ITEM NO.- 13,7</b>				
6	Providing and laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 crushed stone aggregates 20mm nominal size) and curing complete including cost of form work etc. complete in wall caps/ copings.	6.00	3982.62	C. M.	23,895.72
	<b>SMC SOR 23-24, ITEM NO.-97</b>				
7	Providing & fixing IS Mark TMT Bar FE 500 / FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L.	10174.00	76.21	Kg	7,75,360.54

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>SMC SOR 23-24, ITEM NO.- 8</b>				
8	Filling in trenches with available excavated soil in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering etc. complete.	102.00	130.39	C. M.	13,299.78
	<b>SMC SOR 23-24, ITEM NO.- 10</b>				
9	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 70 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand ) etc. comp. - Ground Floor	114.00	4511.97	C. M.	5,14,364.58
	<b>SMC SOR 23-24, ITEM NO.- 16</b>				
10	Providing and applying 20mm. thick sand faced cement plaster on walls or similar surfaces at all floor levels consisting of 12 mm. average thick backing coat of cement mortar 1:3 (1 cement : 3 sand) and 8 mm. thick finishing coat of cement mortar 1:1 (1 cement : 1 sand) etc.comp	1099.00	330.88	S.M.	3,63,637.12
	<b>SMC SOR 23-24, ITEM NO.- 26</b>				
11	Providing 20 mm. deep finished groove in plaster in line and level etc. complete (M.R.)	932.00	50.00	R. M.	46,600.00
	<b>SMC SOR 23-24, ITEM NO.- 30(MR)</b>				
12	Providing and applying two coats of weathershield max paint (3 coats may be required in case of darker colours) of ICI Dulux or Apex Ultima of Asian paint including applying exterior acrylic primer coat as per manufacturers specification and directions in shade and colour approved by architects, on exterior surfaces of the building including scaffolding, preparing the surface, watering, curing etc. complete and as directed by the architects and manufacturers. <b>Surface preparation:</b> Surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, funfi, algae and flaking paint. This can be achieved by brushing with a wire / stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and clean the				
	<b>Priming:</b> Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint.	1100.00	82.00	S.M.	90,200.00
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 17</b>				
13	Providing & fixing M.S.Grills of required pattern to wooden frames of windows etc. At all floor levels with M.S. flats at required spacing & frame around square or round bars with round headed bolts and nuts or by screws incl. Priming coat of Red lead paint etc.comp. (A) Plain grill For all Floors	2063.00	104.20	K.G.	2,14,964.60
	<b>SMC SOR 23-24, ITEM NO.- 57</b>				
14	Providing and Fixing Hollow steel Sections Framed Work including Cutting, Hoisting, Welding & Fixing in position Purlin, Main Chord etc. as per Engineer in-charge.TATA / JINDAL / ASIAN Make for <b>Main entry gate etc.</b>				
	<b>SMC SOR 23-24, ITEM NO.-132</b>	450.00	126.00	Kg.	56,700.00

Sr. no	Description	Qty.	Rate	Unit	Amount
15	Applying Priming coat over new steel and other metal surface after over and including preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter and scoured with brushed fine steel wool, scrapers and sand paper with ready mixed priming paint brushing red lead.	55.00	35.00	S.M.	1,925.00
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 7</b>				
16	Painting one coat (excluding priming coat) on Previously Painted steel and other metal surface with synthetic enamel paint, burshing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters.	200.00	38.03	S.M.	7,606.00
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 9</b>				
17	Painting two coat (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, burshing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters.	223.00	65.31	S.M.	14,564.13
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 8</b>				
18	Decorative wall paintings with designing, painting at place with all necessary materials	5860.00	63.00	Sq.ft.	3,69,180.00
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 8</b>				
19	Providing and fixing hot dip Concertina Coil of 610 mm. dia made out of 2.59 mm. (12SWG) hot dip galvanized ( G.I. coating not less than 200 gm / s.m. )th. Wire having 80 nos. of spies and 200 nos. of clips made out of stainless steel (AISI 304) 1.5 mm thick. Dia, G.I. Strips 0.5 mm. ht. (G.I coating not less than 120 gm / s.m. ) weight of one coil should not be less than 15 kg etc. complete, at the top of compound wall fixed with S.S clips and binding wires wherever necessary etc. complete. (Note : Stretching length of one coil should not be more than 9 m.)	315.00	231.00	RMT	72,765.00
	<b>AS PER SMC APPROVED TENDER CONSTRUCTION OF COMPOUND WALL AT TP-22, (SARTHANA VALAK) F.P-82, NEAR FRENCH WELL 1 &amp; 2 at SMC, SURAT</b>				
20	Steel work welded in built up sections, frame work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint :-				
	(A) In beams and joists channels angles, tees, flats with connection plats or angle cleats as in main and cross beams, hip and trussed purlins connected to common rafter and the like.				
	<b>SMC SOR 23-24, ITEM NO.-98</b>	10.00	9047.86	QUINTAL	90,478.60
	<b>TOTAL FOR PART A - COMPOUND WALL</b>		<b>31,97,973.54</b>		
	<b>PART B</b>				
	<b>GROUND DEVELOPMENT WORKS</b>				
1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (B) By manual in area of thorny jungle	0.432	108824.60	Hectare	47,012.23
	<b>R&amp;B SOR 23-24, ITEM CODE.- 26117B, ITEM NO.- 0, P.No:252</b>				
2	Providing & filling in plinth with murum/yellow soil or selected soil ( <b>Garden soil</b> ) in layers of 20 cm. Th'. Incl. watering, ramming & consolidation etc. complete.	351.00	289.06	C.M.	1,01,460.06
	<b>SMC SOR 23-24, ITEM NO.- 11</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
3	Providing & filling with Mix soil in layers of 20 cm. Th'. Incl. watering, ramming & consolidation etc. complete.	1295.00	206.00	C.M.	2,66,770.00
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO. 3</b>				
4	Excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 mt. lead and all lift, watering etc. complete.				
	(A) Loose or soft soil with manual labour				
	(1) Upto 1.5 Mt. Depth	43.00	117.26	C. M.	5,042.18
	(2) 1.5 to 3.0 Mt. Depth	0.00	129.98	C. M.	-
	<b>SMC SOR 23-24, ITEM NO.- 1</b>				
5	Preparation of subgrade with Compacting, Levelling and consolidation of subgrade with miniroller /plate vibrator machine including watering and filling in depressions which occur during the process as directed by engineer in charge	1893.00	4.93	S.M.	9,332.49
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO.- 2</b>				
6	Providing & laying Granular sub base (GSB) confirming to Grading-II of Table 400.0 of compacted thick of 150mm with specified graded stone metal and sand mixed in place and laid with mechanical means spreading with motor grader and compacting with vibratory roller having minimum 80-100 KN static weight to achieve desired density of 98% of MDD including all material, labour, machinery with all leads and lift etc. complete	284.00	1418.04	C.M.	4,02,723.36
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO.- 9</b>				
7	Providing & laying C.C 1:3:6 (1cement :3 coarse sand :6 Crushed stone agg 20m.m Nominal size)&curing comp. excl. cost of form work in :(a) foundation & Plinth	204.00	3005.76	C.M.	6,13,175.04
	<b>SMC SOR 23-24, ITEM NO.- 5</b>				
8	Providing & fixing IS Mark TMT Bar FE 500 / FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L.	8160.00	76.21	Kg	6,21,873.60
	<b>SMC SOR 23-24, ITEM NO.- 8</b>				
9	Supplying & filling fine sand(pana) in 75 mm/100 mm/150 mm compacted thickness over the base including necessary compaction, watering etc. complete. Item includes leveling by using vibratory plates compacted machine and as directed by engineer in charge.	142.00	413.09	C. M.	58,658.78
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO.- 4</b>				
10	Providing interlocking type Rubber moulded cement concrete paver block of approved shape, design & colour having 60mm thickness (M-35) purchased from SMC's approved paverblock manufacturer only & fixing of fine sand bedding. Item includes levelling by using vibratory plates compacted machine. Item also includes all materials, labour, equipments, tools, plants, watering, cleaning etc. complete				
	with color	946.50	524.00	S.M.	4,95,966.00
	without color	946.50	524.00	S.M.	4,95,966.00
	<b>SMC SOR 15-16, GROUND DEVELOPMENT WORK ITEM NO.- 7</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
11	Providing and fixing precast Concrete <b>GRASS PAVER</b> block 60mm thick with grade of concrete M250 pneumatic compressed by Mechanically pressed and as per approved design including filling the joint with sand in proper line & level etc.	50.00	1081.00	S.M.	54,050.00
	<b>RA-2-GRASS PAVER</b>				
12	Providing 100mm thick readymade c.c kerb of strength M-20 (size 300 mm x 380 mm) purchased from SMC's approved paverblock manufacturer & setting in line, level and in truly vertical position, including filling joints in C.M. 1:1 (1 part of cement : 1 part of stone dust) smooth pointing in C.M. 1:1 (1 part of cement : 1 part of coarse sand) including watering etc. complete and as directed by Engineer in charge.	290.00	228.00	R.M.	66,120.00
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO.- 6</b>				
13	Providing and fixing in position Readymade vacume wet press kerb block (Height 450 x Width 600 x Thickness 125) with all labour and material charges as per instruction of Engineer in charge.	290.00	664.00	R.M.	1,92,560.00
	<b>Rate from RAC (S.M.C.)</b>				
14	Supplying & filling white sand compacted thickness over the base including necessary compaction, watering etc. complete. Item includes levelling by using vibratory plates compacted machine and as directed by Engineer in charge.	47.00	413.09	C.M.	19,415.23
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO. 4, Pg - 20</b>				
15	Providing & fixing M.S.Grills of required pattern to wooden frames of windows etc. At all floor levels with M.S. flats at required spacing & frame around square or round bars with round headed bolts and nuts or by screws incl. Priming coat of Red lead paint etc.comp. (A) Plain grill For all Floors	11250.00	104.20	K.G.	11,72,250.00
	<b>SMC SOR 23-24, ITEM NO.- 57</b>				
16	Painting two coat (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, burshing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters.	675.00	65.31	S.M.	44,084.25
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 8</b>				
17	Providing and Supplying ISI standard R.C.C. pipes (of Sulphate Resisting Cement) in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to department stores, stacking etc. complete.(IS 458 / 1989 ) Note : One collar should be supplied with each full length plain ended RCC pipe, cost included in rates below. One rubber ring should be supplied with each full length socketed pipe, cost included in rates below.				
	Lowering, laying and jointing RCC pipes in C.M. 1:1 1/2 of following diameters in proper position, grade and alignment at all level as directed by Engineer-in-charge including conveyance from stores to site of work, labour, giving hydraulic testing as per ISI code. Class NP3 Test Pressure 0.7 Kg. / sq. cm.				
	(S.NO.-02) 300 mm. dia.	200.00	891.85	R. M.	1,78,370.00

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>DRAINAGE GWSSB SOR 22-23,</b>				
18	Providing & construction simple chamber of 23 cm. th' B.B. Masonary in C.M 1:5 with cement plaster 15 mm th' in C.M. 1:3 inside & outside to exposed faces, R.C.C. top slab with 1:2:4 mix ( 1 cement: 2 Sand : 4 Grade stone aggregate 20mm size) ,Foundation concrete 1:5:10 & fixing C.I. cover with frame to be not less than 38 kg. On top etc. comp. Inside dimension,455 x 610 mm &450 mm deep for single pipe	0.00	2932.93	No.	-
	(A) Same as above but Precast RCC heavy duty Cover instead of C.I. Cover	10.00	2681.76	No.	26,817.60
	Extra for every additional depth of 0.1 mt beyong 0.45 mt	6.00	242.39	Each	1,454.34
	<b>TOTAL FOR PART B - GROUND DEVELOPMENT WORKS</b>		<b>48,73,101.16</b>		
	<b>PART C</b>				
	<b>GAZZEBO (2 Nos.)</b>				
	<b><u>(A) WORK UPTO PLINTH LEVEL</u></b>				
1	Excavation for foundation upto 1.5m. Depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 mt. lead.				
	(A) Loose Or Soft Soil				
	( 1 ) 0 To 1.5 mt. Depth	6.00	117.26	C.M.	703.56
	(2) 1.5 to 3.0 Mt. Depth	0.00	129.98	C. M.	-
	<b>SMC SOR 23-24, Item no.-1</b>				
2	Boring holes 3.5 mt.deep in ordinary soil ( for cast in situ piles) & disposal of the surplus excavated soil as directed within a lead of 50 Mt. For following diameter of piles. (2) 250 m.m.	45.00	326.84	R.M.	14,707.80
	<b>SMC SOR 23-24,Item no.-94</b>				
3	Providing and laying cement concrete 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete including the cost of form work but excluding reinforcement of reinforced concrete work in (A) Foundation and Plinth	46.00	3637.34	C.M.	1,67,317.64
	<b>SMC SOR 23-24,Item no.-95</b>				
4	Providing & laying cement concrete 1:1.5:3 (1 cement:1.5 sand:3 graded stone agg. 20 mm nominal size)& curing comp. Includ.cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete	4.00	4146.15	C.M.	16,584.60
	<b>SMC SOR 23-24,Item no.-6</b>				
5	Providing & laying ordinary cement con.1:1.5:3 (1cement: 1.5sand: 3 graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Includ. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in : Up to G.L./P.L. (A) COLUMNS:				
	(1)Having c/s area up to 0.08 s.mt	1.00	12632.60	C.M.	12,632.60
	<b>SMC SOR 23-24,Item no.-7</b>				
6	Providing & laying ordinary cement con.1:1.5:3 (1cement: 1.5sand: 3 graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Includ. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in : Up to G.L./P.L. (B) BEAMS :				
	(2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt	5.00	8174.41	C.M.	40,872.05
	<b>SMC SOR 21-22,Item no.-7</b>				
7	Providing TMT Bar FE 500/500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	1876.00	76.21	Kg.	1,42,969.96

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>SMC SOR 21-22,Item no.-8</b>				
8	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 70 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand ) etc. comp. Up to G.L./P.L.	22.00	4237.00	C.M.	93,214.00
	<b>SMC SOR 21-22,Item no.-9</b>				
9	Providing & filling in plinth with murrum/yellow soil or selected soil in layers of 20 cm. Th'. Incl. watering, ramming & consolidation etc. complete.	45.00	289.06	C.M.	13,007.70
	<b>SMC SOR 21-22,Item no.-11</b>				
10	Providing & applying 20mm.th. Sand faced cement plaster on walls or similar surfaces at all floor levels consisting of 12 mm. Av. th'. Backing coat of C.M. 1:3( 1 cement :3 sand) & 8 mm.th. Finishing coat of C.M.1:1 (1 cement: 1 sand)--- Upto G.L./P.L	67.00	330.88	S.M.	22,168.96
	<b>SMC SOR 21-22,Item no.-12</b>				
11	Providing & Laying green polished kota stone slab flooring at all floor levels,over 20 mm av.th.base of C.M. 1:6(1cement: 6 sand) laid over&joined with grey cement slurry incl. Rubbing & polishing etc. comp. (A) 25 mm. (Tolerance +/- 2mm) For all Floor	80.00	989.45	S.M	79,156.00
	<b>SMC SOR 21-22,Item no.-32</b>				
	<b><u>(B) WORK ABOVE PLINTH LEVEL</u></b>				
12	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 70 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand ) etc. comp. - Ground Floor	8.00	4511.97	C.M.	36,095.76
	<b>SMC SOR 21-22,Item no.-16</b>				
13	Providing & Applying 15mm.th.cement plaster in single coat on brick/ concrete walls similar surfaces for plastering & finished even & smooth with a floating coat of cement slurry mixed with admixture of lime or neeru in required proportion etc. comp. in C.M 1:3 (1 cement : 3sand) (A) For wall and similar surfaces.	343.00	237.51	S.M	81,465.93
	<b>SMC SOR 21-22,Item no.-25</b>				
14	Providing & laying granite slab 18mm thick in flooring, treads of steps and landing laid on bed of 20mm thick cement mortar 1:6 (1 Cement : 6 coarse sand) or lime mortar 1:1.5 laid and finished with flush pointing in white or colour cement including rubbing and polishing complete. (Basic Rate:- Rs.1590.0/S.M.)	36.00	2410.00	S.M	86,760.00
	<b>SMC SOR 21-22,Item no.-39</b>				
15	Providing & laying granite slab 18mm thick in skirting, risers of steps, dedo and pillars laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) and finished with flush pointing in white or colour cement including rubbing & polishing comp.. (Basic Rate:- Rs.1590.0/S.M.)	198.00	2449.00	S.M	4,84,902.00
	<b>SMC SOR 21-22,Item no.-40</b>				
16	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like.	24.00	9047.86	Quintal	2,17,148.64
	<b>SMC SOR 21-22,Item no.-98</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
17	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter.	40.00	65.31	S.M	2,612.40
	<b>SMC SOR 23-24, Colour Works, Item no.-8</b>				
18	Providing & applying two coats of weather shield max paint (3 coats may be required in case of darker colours.) of ICI Dulux or Apex Ultima of Asian Paint including applying exterior acrylic primer coat as per manufacturers specification and directions in shade and colour approved by architects, on exterior surfaces of the building including scaffolding, preparing the surface, watering, curing etc. complete and as directed by the architects and manufacturers. <b>Surface Preparation</b> : surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, fungi, algae and flaking paint. This can be achieved by brushing with a wire/ stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and Clean the surface thoroughly using wire brushes. <b>Priming</b> : Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. Application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield	134.00	82.00	S.M	10,988.00
	<b>SMC SOR 23-24, Colour Works, Item no.-17</b>				
19	Providing & fixing colour on galvanised steel, zinc / aluminium alloy coated sheet 0.5 mm. thick roofing fixed with galvanised grom J or L hook bolts and bolt 8mm dia with bitumen and impet washer filled with white lead etc. Excluding the cost of purlins rafter and trusses. (Tata / Jindal or equivalent)	250.00	999.00	S.M	2,49,750.00
	<b>SMC SOR 21-22, Item no.-101</b>				
	<b>TOTAL FOR PART - C (GAZEBO - 2 NOS.)</b>		<b>17,73,057.60</b>		
	<b>PART-D</b>				
	<b>TOILET, SECURITY CABIN &amp; MAIN GATE</b>				
<b>WORK UP TO PLINTH</b>					
1	Excavation for foundation including sorting out and stacking off useful materials and disposing of the excavated stuff up to 50 mt. lead and all lift, watering etc. comp.				
	(A) loose or soft soil with machineries				
	(1) 0 To 1.5 mt. Depth	64.00	117.26	C.M.	7,504.64
	(2) 1.5 To 3.0 MT Depth	27.00	129.98	C.M.	3,509.46
	<b>SMC SOR 23-24, PAGE NO 1 IT NO 1</b>				
2	0	11.00	3005.76	C.M.	33,063.36
	<b>(SOR SMC 2023-24, Pg No. 1, It No. 4)</b>				
3	Providing and laying ordinary cement concrete work 1:1.5:3 ( 1 cement, 1.5 sand, 3 graded stone aggregates 20 mm nominal size ) & curing comp. including cost of form work but excluding cost of reinforcement for reinforced concrete work in:				
	(A) foundation, footing, base of columns and mass concrete	12.00	4146.15	C.M.	49,753.80
	<b>(SOR SMC 23-24, It No. 6)</b>				



Sr. no	Description	Qty.	Rate	Unit	Amount
4	Providing & laying ordinary cement con.1:1.5:3 (1cement:1.5sand:3 graded graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl.. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in :				
	<b>(A) COLUMNS:</b>				
	(1) Having c/s area up to 0.08 s.mt	3.00	12,632.60	C.M.	37,897.80
	(2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt	3.00	11,166.97	C.M.	33,500.91
	(3) Having cross sectional area more than 0.12 sq. mt.	0.00	9,201.68	C.M.	-
	<b>(SOR SMC 23,24, It No. 7</b>				
	<b>(B) BEAM: (G.B./P.B.)</b>				
	(1) Having c/s area up to 0.08 s.mt	4.00	9102.61	C.M.	36,410.44
	(2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt	5.00	8174.41	C.M.	40,872.05
	(3) Having cross sectional area more than 0.12 sq. mt.	0.00	7086.88	C.M.	-
	<b>(SOR SMC 23,24, It No. 7</b>				
5	Providing & fixing IS Mark TMT Bar FE 500 / FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L.				
	Upto G.L./P.L.	2670.00	76.21	KG.	2,03,480.70
	<b>(SOR SMC 2023,24, Pg No. 2, It No. 8)</b>				
6	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 70 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand ) etc. comp. Up to G.L./P.L.	7.00	4,237.00	C.M.	29,659.00
	<b>(SOR SMC 2023-24, Pg No. 1, It No. 9)</b>				
7	Filling in trenches with available excavated earth in layer not exceeding 20 cm in depth consolidating each deposited layer by ramming & waetring	75.00	130.39	C.M.	9,779.25
	<b>(SOR SMC 2023-24, Pg No. 1, It No. 10)</b>				
8	Providing and filling in plinth with murrum/yellow soil or selected soil in layers of 20cm thick including watering, ramming & cosolidation etc. complete	27.00	289.06	C.M.	7,804.62
	<b>(SOR SMC 2023-24, Pg No. 1, It No. 11)</b>				
9	Providing and applying 20mm. thick sand faced cement plaster on walls or similar surfaces consisting of 12mm. thick backing coat of c.m. 1:3 ( 1 cement : 3 sand ) and 8mm. thick finishing coat of c.m. 1:1 ( 1cement : 1 sand ) etc. comp.	37.00	330.88	S.M.	12,242.56
	<b>(SOR SMC 2023-24, Pg No. 1, It No. 12)</b>				
10	Providing and applying two coats of weathershield max paint (3 coats may be required in case of darker colours) of ICI Dulux or Apex Ultima of Asian paint including applying exterior acrylic primer coat as per manufacturers specification and directions in shade and colour approved by architects, on exterior surfaces of the building including scaffolding, preparing the surface, watering, curing etc. complete and as directed by the architects and manufacturers. <b>Surface preparation:</b> Surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, funfi, algae and flaking paint. This can be achieved by brushing with a wire / stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and clean the surface thoroughly using wire brushes.				
	<b>Priming:</b> Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint.	37.00	82.00	S. M.	3,034.00

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 17</b>				
11	Providing & Laying green polished kota stone slab flooring at all floor levels, over 20 mm av.th. base of C.M. 1:6 (1 cement: 6 sand) laid over & joined with grey cement slurry incl. Rubbing & polishing etc. comp. (A) 25 mm. thick For all Floor	3.00	989.45	S. M.	2,968.35
	<b>SMC SOR 23-24, ITEM NO.- 32</b>				
12	Providing & Laying polished kota stone of machine cut edge slab 25 mm. th. in riser of steps, tread, dedo & pillars center piece not less than 1.2 mt. in width & side pieces of equal size as per design, laid on 10 mm. th. C.M. 1:3 (1 cement: 3 sand) joined & polishing etc. For all Floor	2.00	1076.94	S. M.	2,153.88
	<b>SMC SOR 23-24,, ITEM NO.- 33</b>				
	<b>Total amount upto plinth</b>		<b>5,13,634.82</b>		
<b>WORK ABOVE PLINTH FOR GROUND FLOOR</b>					
13	Providing & laying ordinary cement con. 1:1.5:3 (1 cement: 1.5 sand: 3 graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl.. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in				
	<b>GROUND FLOOR</b>				
	<b>( A ) COLUMNS</b>				
	(1 ) Having c/s area up to 0.08 s.mt				
	Ground Floor	3.00	12,632.60	C.M.	37,897.80
	First floor	2.00	12,672.24	C.M.	25,344.48
	(2) c/s area more than 0.08sq. mt. & upto 0.12 sq.mt				
	Ground Floor	0.00	11,166.97	C.M.	-
	First floor	0.00	11,206.61	C.M.	-
	(3) Having cross sectional area more than 0.12 sq. mt.				
	Ground Floor	0.00	9,201.68	C.M.	-
	First floor	0.00	9,241.32	C.M.	-
	<b>( B ) BEAMS</b>				
	(1 ) Having c/s area up to 0.08s.mt				-
	Ground Floor	6.00	9102.61	C.M.	54,615.66
	First floor	3.00	9142.25	C.M.	27,426.75
	(2) Having c/s area more than 0.08 s.m. & upto 0.12 s.m				
	Ground Floor	0.00	8174.41	C.M.	-
	First floor	0.00	8214.05	C.M.	-
	(3) Having cross sectional area more than 0.12 sq. mt.				
	Ground Floor	0.00	7086.88	C.M.	-
	First floor	0.00	7126.52	C.M.	-
	<b>( C ) SLAB</b>				
	(1) Slabs having more than 8cm. and upto 10 cm. thickness				
	Ground Floor	0.00	7,984.42	C.M.	-
	First floor	0.00	8,024.06	C.M.	-
	(2) Slabs having more than 10 cm. & upto 13 cm. thickness				
	Ground Floor	8.00	7,396.96	C.M.	59,175.68
	First floor	3.00	7,436.60	C.M.	22,309.80
	(3) Slabs having more than 13 cm. Thickness				
	Ground Floor	0.00	6,813.01	C.M.	-
	First floor	0.00	6,852.65	C.M.	-
	<b>( D ) LINTELS</b>				
	Ground Floor	1.00	9,531.24	C.M.	9,531.24
	First floor	1.00	9,570.88	C.M.	9,570.88
	<b>( E ) CHAJJA</b>				
	Ground Floor	3.00	5512.83	C.M.	16,538.49
	First floor	3.00	5552.47	C.M.	16,657.41

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>(SOR SMC 23-24, Pg No. 2, It No. 13)</b>				
14	Providing & fixing IS Mark TMT Bar FE 500 / FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L.				
	Ground Floor	2780.00	76.21	KG.	2,11,863.80
	First floor	1550.00	77.21	KG.	1,19,675.50
	<b>(SOR SMC 2023-24, Pg No. 2, It No. 15)</b>				
15	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 70 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand ) etc. comp.				
	Ground Floor	44.00	4,511.97	C.M.	1,98,526.68
	First floor	11.00	4,786.95	C.M.	52,656.45
	<b>(SOR SMC 2023-24, Pg No. 2, It No. 16)</b>				
16	Providing & Applying 10mm.th.cement plaster in single coat on brick/concrete walls similar surfaces for plastering & finished even & smooth with a floating coat of cement slurry mixed with admixture of lime or neeru in required proportion etc. comp. in C.M 1:3 (1 cement : 3sand)				
	(A) For wall				
	Ground floor	232.00	189.79	S.M.	44,031.28
	First floor	66.00	217.93	S.M.	14,383.38
	(B) For ceilings and soffits of stairs				
	Ground floor	58.00	214.60	S.M.	12,446.80
	First floor	0.00	242.74	S.M.	-
	<b>(SOR SMC 2023-24, Pg No. 3, It No. 24)</b>				
17	Providing 20 mm thick double coat mala cement plaster on brick / concrete work for plastering comprising of base coat 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete.	249.00	272.48	S.M.	67,847.52
	<b>(SOR SMC 2023-24, Pg No. 3, It No. 27)</b>				
18	Providing throating or plaster drip and moulding it to R.C.C.chajja etc. complete. For all Floor	75.00	41.66	R. M.	3,124.50
	<b>(SOR SMC 2023-24, Pg No. 3, It No. 29)</b>				
19	Providing 20 mm. deep finished groove in plaster in line and level etc. complete. For all floor (M.R.)	100.00	50.00	R. M.	5,000.00
	<b>(SOR SMC 2023-24, Pg No. 3, It No. 30)</b>				
20	Providing and laying Vitrified tiles 8 to 10 mm thick, 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finishing with flush pointing in white cement. (Basic Rate-Rs.366.0/S.M.)	49.00	1,040.35	S. M.	50,977.15
	<b>(SOR SMC 2023-24, Pg No. 4, It No. 44)</b>				
21	Providing and laying Vitrified tiles 8 to 10 mm thick, 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with white cement slurry. (Basic Rate Rs.366.0/S.M.)	9.00	1081.71	S. M.	9,735.39
	<b>(SOR SMC 2023-24, Pg No. 4, It No. 45)</b>				
22	Providing & laying granite slab 18mm thick in Window-Door seal Frame Etc laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) with nessary adhesive material and finished with flush pointing in white or colour cement, including rubbing & polishing comp.. (Basic Rate:- Rs.1000.0/S.M.)	28.00	2026.00	S. M.	56,728.00
	<b>(SOR SMC 2023-24, Pg No. 4, It No. 41)</b>				
23	Labour Charges For Edge Finished For Granite	29.00	43.43	R.M.	1,259.47
	<b>(SOR SMC 2023-24, Pg No. 4, It No. 42)</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
24	Providing & laying granite slab 18mm thick in flooring, treads of steps and landing laid on bed of 20mm thick cement mortar 1:6 (1 Cement : 6 coarse sand) or lime mortar 1:1.5 laid and finished with flush pointing in white or colour cement including rubbing and polishing complete. (Basic Rate:- Rs.1347.46/S.M.)				
	<b>(SOR SMC 2023-24, Pg No. 4, It No. 39)</b>	5.00	2410.00	S. M.	12,050.00
25	Providing & laying granite slab 18mm thick in skirting, risers of steps, dedo and pillars laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) and finished with flush pointing in white or colour cement including rubbing & polishing comp.. (Basic Rate:- Rs.1347.46/S.M.)				
	<b>(SOR SMC 2023-24, Pg No. 4, It No. 40)</b>	3.00	2449.00	S. M.	7,347.00
26	Providing & fixing 35mm.th. Flush Door Solid Double Core type Both Face water proof Ply Vennered & 1.5 mm th.laminate shall be pasted on both side with adhesives as specified by the manufacturers. The laminate shall be as per approved shade & texture, of make incl. Sal wood frames of finished size 12cm x 7cm.incl. S.S. Hinges with necessary screws & Anodized aluminum fixtures & fastenings For all Floor	0.00	3720.00	S. M.	-
	Same as Above But Without Frame	8.00	2520.00	S. M.	20,160.00
	<b>(SOR SMC 2023-24, Pg No. 5, It No. 51 &amp; 52)</b>				
27	Providing and fixing window having extruded aluminium Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm (of Jindal section no.4605, @ Wt. 1.094Kg/mt) horizontal Two track member size 61.85 mm x 31.75 mm x 1.20 mm (of jindal section no:8687, @ Wt. 0.695 Kg/mt.) vertical member of size 61.85 mm x 31.75 mm x 130 mm (of jindal section no:8758 @ wt. of 0.659 kg/mt) with sliding shutters of horizontal member size 40 mm x 18 mm x 1.29 mm ( of jindal section no:8949, @ Wt. of .456 Kg/mt) vertical member of size 40 mm x 18 mm x 1.29 mm (of jindal section no:8947, @ Wt. of 0.456 Kg/mt/section 8948, @ Wt. of 0.457 Kg/mt) with 5 mm thick tranparent bronze colour tinted float glass with powder coated aluminium fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc. complete for window.	0.00	1705.67	S. M.	-
	(A) Same as above but <b>Colour anodized</b>	11.00	1705.67	S. M.	18,762.37
	<b>SMC SOR 23-24, ALUMINIUM WORK ITEM NO.- 3</b>				
28	Providing and fixing window having extruded aluminium Powder Coated section frame main outer size 95 mm x 24 mm x 1.17 mm (of jindal section no:2459 @ Wt. of 0.738 Kg/mt), horizontal Three track member size 92 mm x 31.75 mm x 1.30 mm (of jindal section no;8688, @ Wt. 1.07 Kg/mt), vertical member of size 92 mm x 31.75 mm x 1.50 mm (of jindal section no:8933, @ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mm x 18 mm x 1.29 mm (of jindal section no:8947 @ wt. of 0.456 kg/mt), vertical member of size 40 mm x 18 mm x 1.29 mm (of jindal section no:8949 @ wt. of 0.456 kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminium fittings & fixtures and transparent silicon sealant glass fixing to frame as per details etc	0.00	1591.87	S. M.	-
	(A) Same as above but <b>Colour anodized</b>	0.00	1591.87	S. M.	-
	<b>SMC SOR 23-24, ALUMINIUM WORK ITEM NO.- 2</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
29	Distempering two coats with oil bound washable distemper of approved brand & manufacture & of required shade on wall surface to give an even shade over and & incl. a priming coat of alkali resistance primer of approved brand after thoroughly brushing the surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and smooth.				
	(A) For wall	298.00	72.23	S. M.	21,524.54
	(B) For ceilings and soffits of stairs	58.00	80.35	S. M.	4,660.30
	<b>SMC SOR 23-24, COLOR WORKS, ITEM NO.- 3</b>				
30	Providing and applying two coats of weathershield max paint (3 coats may be required in case of darker colours) of ICI Dulux or Apex Ultima of Asian paint including applying exterior acrylic primer coat as per manufacturers specification and directions in shade and colour approved by architects, on exterior surfaces of the building including scaffolding, preparing the surface, watering, curing etc. complete and as directed by the architects and manufacturers. <b>Surface preparation:</b> Surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, fungi, algae and flaking paint. This can be achieved by brushing with a wire / stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and clean the surface thoroughly using wire brushes.				
	<b>Priming:</b> Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint.	249.00	82.00	S. M.	20,418.00
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 17</b>				
31	(1) The whole work is to be executed through specialized agency with a guarantee of 10 (Ten) years given on a prescribed proforma duly stamped (2) The rate shall include for work at all floors & conducting water proof test as directed. (M.R.)				

Sr. no	Description	Qty.	Rate	Unit	Amount
	(B) Providing and laying integral cement based <b>water proofing treatment</b> including preparation of surface as required for treatment of <b>roofs, balconies, terraces</b> etc. consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the R.C.C. slab including cleaning the surface before treatment.(b) Laying cement concrete using broken bricks/brick bats 25 mm to 100 mm size with 50% of cement mortar 1:5 (1 Cement : 5 Coarse sand) admixed with proprietary water proofing compound conforming to IS:2645 ,brick bats is finally covered by jointless cement plaster 20mm th. in C.M. 1:4 added with special water proofing compound confirming to IS:2645 & top smooth finished with trowel with false chequered marking of 300 mm.size.The treatment is carried along the vertical surface of the parapet & other adjoining wall up to height of about 300 mm in a shape of quarter round vata Incl. curing Priming:				
	(c) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be down in order and as directed and specified by the engineer-in-charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm. (Cement consumption 0.511 Bags / S.M.)	70.00	511.00	S. M.	35,770.00
	<b>SMC SOR23-24, ITEM NO.-62</b>				
32	Providing and Fixing Hollow steel Sections Framed Work including Cutting, Hoisting, Welding & Fixing in position Purlin, Main Chord etc. as per Engineer in-charge.TATA / JINDAL / ASIAN Make for <b>Main entry gate etc.</b>				
	<b>SMC SOR 23-24, ITEM NO.-132</b>	800.00	126.00	Kg.	1,00,800.00
33	Painting two coat (excluding priming coat) on new steel and othermetal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters.	50.00	65.31	S. M.	3,265.50
	<b>SMC SOR 23-24, Colour works,ITEM NO.-8</b>				
	<b>Total amount for Ground floor</b>	<b>13,72,081.82</b>			
	<b>WATER SUPPLY AND SANITARY ITEMS</b>				
1	Prov.& Fixing water closet squatting pan ( <b>Orissa type W.C.pan</b> ) at all floor levels, size 500mm x 400 mm incl. 100 mm size "P"or "S" trap for water closet squatting pan joining the trap with the pan & soil pipe in C.M. 1:1 (1cement :1 fine sand) etc. Comp.(A) Vitreous china long pattern				
	Make- Cera S3010109, Parry ware C0117CS/C0117* , Jaquar ,HindWare 20143	0.00	3275.00	No.	-
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 13</b>				
2	Providing and fixing Wash Down Water closet <b>European type W.C.</b> pan with integral P or S trap with normal closing seat cover L bend including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 find sand) (A) Viterous china pattern - I				
	Make- Cera CONVENTIONAL B1510121 , Parry ware C0297*/C0278, HindWare sleek 20011, Jaquar- CNS-WHT-751P180SPPZ	5.00	3282.00	No.	16,410.00
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 6</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
3	Providing & fixing <b>Wash Hung basin</b> with single hole for pillar tap , Size- 550 x 400 mm at all floor levels, with C.I. or M.S. Brackets painted white incl. cutting holes & making good the same etc. complete. For all Floor				
	Make- Cera Cat. No. S2040121, Parry ware C0434* (CTH), Jaquar SLS- WHT -6801 ,HindWare10004	5.00	2656.00	No.	13,280.00
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 7</b>				
4	Providing & fixing white vitreous china <b>urinal</b> of size 450 x325mm as per IS-2556 (Part-2 ) with C.I. hangers and 15mm dia. C.P. spreader,32mm dia CP bottle trap and pipe to wall with C.P. flange complete including cutting and making good the walls and floors wherever required.				
	Make- CeraCat. No. S4020103, Parry ware C0501*, Jaquar UR	3.00	2476.00	No.	7,428.00
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 8</b>				
5	Providing and fixing 600 mm. x 450mm. mirror of superior glass at all floor levels, mounted on 6 mm.thick A.C.sheet or plywood sheet & fixed to wooden plugs with C. P. brass screws and washers etc. complete. For all floor.	2.00	833.73	No.	1,667.46
	<b>SMC SOR 23-24,WATER SUPPLY AND SANITARY ITEMS, ITEM NO.- 72</b>				
6	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 110x110 mm diameter with jali of the following nominal diameter of self cleaning design with C.I. screed down or hinged grating including the cost of cutting and making good the walls.	2.00	558.36	No.	1,116.72
	<b>SMC SOR 23-24,WATER SUPPLY AND SANITARY ITEMS, ITEM NO.- 88</b>				
7	Providing and fixing U-P.V.C. pipe (SWR) confirming to I.S. no.13592 (Type "B") of Prince / Supreme / Jain / Astral / Tulsi /Finolex make for soil and waste discharge system at all floor levels including all fixtures like bends, tees, shoe etc. jointed with resin of approved brand and manufacture etc. complete.(M.R.)				
	(A) 75 mm. dia.	10.00	412.00	R. M.	4,120.00
	(B) 110 mm. dia.	10.00	444.00	R. M.	4,440.00
	<b>SMC SOR 23-24, WATER SUPPLY AND SANITARY ITEMS, ITEM NO.- 84</b>				
8	Prov. & Fixing <b>S.W. Gully trap</b> with C.I.grating brick masonry (C.M 1:5) chamber & water tight C.I. cover with frame of 300mmx300mm size (inside) with weight to be not less than 4.53kg, includ. plastering smooth inside & outside 15mm. th' in C.M.1:3 etc. comp. (i) Square mouth traps				
	(A) 100mm x 100mm Size -P type	1.00	1292.19	No.	1,292.19
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 73</b>				
9	Prov. & Fix. 10 cm.x15 cm.(4" x 6") <b>S.W. trap with Inside dimension, 455 x 610 mm &amp; 450 mm deep sewer trap chamber</b> with 23 cm th' B.B. masonry walls in C.M 1:5 with cement plaster 15 mm th' in C.M. 1:3 inside & outside to exposed faces, R.C.C. top slab with 1:2:4 mix ( 1 cement: 2 Sand : 4 Grade stone aggregate 20mm size), Foundation concrete 1:5:10 & fixing C.I. cover with frame to be not less than 38 kg. On top etc. comp. for single pipe.	0.00	3155.63	No.	-
	(A).Same as above but Precast RCC heavy duty Cover instead of C.I. Cover	4.00	2904.47	No.	11,617.88

Sr. no	Description	Qty.	Rate	Unit	Amount
	Extra for every additional depth 0.1 mt beyong 0.45 mt.	12.00	222.71	Each	2,672.52
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 75</b>				
10	Providing & construction <b>simple chamber</b> of 23 cm. th' B.B. Masonary in C.M 1:5 with cement plaster 15 mm th' in C.M. 1:3 inside & outside to exposed faces, R.C.C. top slab with 1:2:4 mix ( 1 cement: 2 Sand : 4 Grade stone aggregate 20mm size), Foundation concrete 1:5:10 & fixing C.I. cover with frame to be not less than 38 kg. on top etc. comp. <b>Inside dimension 455 x 610 mm &amp; 450 mm deep</b> for single pipe	10.00	2932.93	No.	29,329.30
	(A).Same as above but Precast RCC heavy duty Cover instead of C.I. Cover	10.00	2681.76	No.	26,817.60
	Extra for every additional depth 0.1 mt beyong 0.45 mt.	12.00	242.39	Each	2,908.68
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 76</b>				
11	Providing, Lowering and laying joining R.C.C. NP2 CLASS pipe in C.M.1:1 of following nominal internal diameters including testing of pipes and joints etc. complete.				
	(B) 150 mm. dia.	50.00	248.67	R. M.	12,433.50
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 77</b>				
12	Providing & Fixing <b>P.V.C. pipes (SCH-40)</b> of <b>Prince/ Supreme/ Jain/ Astral/ Tulse/Finolex</b> make for water supply line at all floor levels incl. fixtures like bends, tees, shoe etc joined with resin of approved brand & manufacture etc. comp. Pipe shall be fixed on the wall the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.(M.R.)				
	(A) 15 mm. dia.	15.00	72.65	R. M.	1,089.75
	(B) 25 mm. dia.	10.00	91.84	R. M.	918.40
	(C) 40 mm. dia.	3.00	148.12	R. M.	444.36
	(D) 50 mm. dia.	0.00	195.67	R. M.	-
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 86</b>				
13	Providing & Fixing 15 mm Dia bib tap with wall Flange at all floor levels, polished bright etc.comp.				
	Make- Cera F2013151 BIB COCK, Parry wareG3104A1, HindWare F280002 BIB COCK, Jaquar FLR-5047 N BIB COCK	5.00	1323.00	No.	6,615.00
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 2</b>				
14	Providing and fixing gun metal check or non return full way wheel valve at all floor levels. etc. complete.				
	(A) 15 mm.dia	2.00	186.83	No.	373.66
	(B) 25 mm. dia.	2.00	420.63	No.	841.26
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 80</b>				
15	Providing flush cock consisting lever, cartridge sleeve & flange & concealed part				
	Make- Cera EXPOSED PART F2013751 & Concealed part F4060101 , Parry ware T9824A1&T9823A1, Jaquar FLR 5083 KN , CONCEALED BODY ALD-081,HindWare F280052 & CONCEALED STOP COCK F850105	5.00	2110.00	No.	10,550.00
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 4</b>				



Sr. no	Description	Qty.	Rate	Unit	Amount
16	Providing and fixing abonite ball cock of approved qualities directed etc. complete.				
	(A) 25 mm. dia.	1.00	102.91	No.	102.91
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 82</b>				
17	Providing & fixing C.P. brass pillar cock with copper connection, C.P. brass screws complete				
	Make- Cera F2013101, Parry ware Cat. No.: G3102A1, HindWare Cat. No.: F650003, Jaquar FLR-5011N	5.00	1423.00	No.	7,115.00
	<b>SMC SOR 23-24, SANITARY ITEM NO.- 1</b>				
18	Providing and fixing C.I. machinehole cover 0.60 mt. x 0.45 mt. size having weight not less than 35 kg. etc. complete.	2.00	958.17	No.	1,916.34
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 83</b>				
19	Providing & fixing U-PVC pipes Confirming to IS no. 13592 (Type "A") of Prince/Supreme/Jain/Astral/ Tulsi/Finolex make for rain water at all floor levels incl. fixtures like bends, tees, shoe etc joined with resin of approved brand & manufacture etc. comp. (M.R.)				
	(A) 75 mm. dia.	0.00	203.00	R. M.	-
	(B) 110 mm. dia.	20.00	325.00	R. M.	6,500.00
	(C) 160 mm. dia.	0.00	674.00	R. M.	-
	<b>SMC SOR 23-24, WATER SUPPLY &amp; SANITARY ITEM NO.- 85</b>				
20	Providing & laying ordinary C.C.1:1.5:3 mix for R.C.C. work incl. boxing,centering, vibrating, curing & mixed with approved water proofing cement compound or "CEMWET" or "PIDICRETE LW"integral water proofing admixture as water proofing agent to be mixed with 50 kg. cement bag shall be as recommended by the manufacture of the water proofing material, concrete work for top, bottom slab & side pardi for Under ground Tank & Item incl. Necessary excavation & refilling the available earth, 15 cm th' C.C 1:4:8 for bedding concrete, Half B.M. in C.M. 1:4 outside wall, inside R.C.C. pardi as per design, 10mm.th. water proofing cement plaster in C.M. 1:3 with smooth finishing,watering etc.Comp.to all inner face & bottom of tank curing etc. comp. incl. Locking arrangement,outlet, inlet, overflow & wash out pipe arrangement as necessary & C.I.Cover 0.60 x .045 weight not less then 35kg. etc. com. as per structural drawing excluding Steel & as directed by Engineer-in-charge.				
	Underground tank	5000.00	5.46	Litre	27,300.00
	<b>SMC SOR 23-24, ITEM NO.- 60</b>				
21	Providing & fixing IS Mark TMT Bar FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L.	445.00	76.21	Kg.	33,913.45
	<b>SMC SOR 23-24, ITEM NO.- 8</b>				
22	Providing erecting and fixing double coated Syntex / Super / Reno PVC (ISI) mark water tank of required capacity each with all necessary fittings & connection etc. complete on terrace.	1000.00	3.95	Litre	3,950.00
	<b>SMC SOR 23-24, ITEM NO.-92</b>				
	<b>Total amount for water supply and sanitary items</b>		<b>2,37,163.98</b>		
	<b>TOTAL FOR PART - ELECTRIC ROOM ,SECURITY CABIN &amp; MAIN GATE</b>		<b>21,22,880.62</b>		

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b><u>PART-E</u></b>				
	<b><u>RECHARGE BORE WELL</u></b>				
1	Drilling 300 mm diameter borewell in all types of strata up to required depth including cost of bentonite powder, carting rings, cutter, other required materials, labour charges etc. complete. The drilling shall be done by mud flushed rotary equipment and bore holes should withstand at least till completion of subsequent activities like assembly jointing, lowering of casing / strainer pipes, gravels packing, yield testing etc, complete up to required depth as shown in drawing and directed by engineer –in- charge.	60.00	857.00	R.M	51,420.00
2	Cleaning of existing unusable / non- working borewell by applying air compressor of capacity not less than 900 CFM/200 PSI for minimum one hours or up to the availability of sand free discharge whichever is later including all labour charges and hire charges of compressor and other equipment etc. complete as directed by engineer-in- charge.	0.50	8415.00	Hr.	4,207.50
3	Excavation for foundation in and all kinds of soil including leveling and ramming the bottom of trenches and foundation pits, shoring, strutting, dewatering if required, slush removing, filling the sides up to original ground level for rectangular chamber and trench. (a) 0.00 mt. to 1.50 mt. Depth	4.16	259.14	CM	1,078.02
4	Providing and laying Cement Concrete nominal mix 1:3:6 (1 cement: 3 coarse sand : 6 hand broken stone aggregate 20mm nominal size) and curing complete including cost of form work as per drawing in chamber etc. complete.	0.51	3005.76	CM	1,532.94
5	Providing & laying Fly ash Brick masonry having crushing strength not less than 35 kg/sq.cm. 1:6 (1 cement: 6 fine sand) with scaffolding, watering, curing etc. complete with all labours and materials. various area as directed by Engineer-in- charge.Upto G.L/P.L.	1.36	4237.00	CM	5,762.32
6	Providing 10mm thick Cement Plaster in single coat on brick/concrete walls far interior plastering up to Floor two level and finished even and smooth in cement mortar 1:3(1 cement 3 sand various area as directed by incharge)	6.03	141.60	SM	853.85
7	Supplying and filling clean best quality of well-sorted sand having size 1 mm to 2 mm in layer of required thickness in filter chamber as per drawing and as directed by Engineer –in- charge.	0.15	460.20	CM	69.03
8	Supplying and filling clean best quality of well sorted - " SEVALIYA" sorted pea gravel having size 6 mm to 10 mm in layer of required thickness in filter chamber as per drawing and as directed by Engineer –in- charge.	0.30	2029.00	CM	608.70
9	Supplying and filling clean best quality of well-sorted brick bats having size 50 mm to 150 mm in layer of required thickness in filter chamber as per drawing and as directed by Engineer –in- charge.	0.30	600.50	CM	180.15

Sr. no	Description	Qty.	Rate	Unit	Amount
10	Supplying and fixing a display board of size 450 mm x 300 mm or higher, near the recharge system or on outer side of one wall of filter chamber with letters written " GROUND WATER RECHARGE SYSTEM".	1.00	400.00	No.	400.00
11	Supplying and fixing of a cover made up of 2 mm thick Poly Carbonate sheet on painted Mild Steel square frame as shown in drawings over filter chamber including all materials, fittings and labour charges etc, but excluding the cost of Steel frame and steel angle. The fixing of cover over walls should have arrangement of removing it from the wall for cleaning of filter chamber and re-fixing again from time to time as shown in drawing and directed by engineer – in- charge.	2.14	1510.00	SM	3,231.40
12	Providing, Supplying, Fixing in bore hole 150 mm dia 6 Kg/cm <sup>2</sup> P.V.C Pipe of approved Quality (Prince, Supreme, Finolex) with ISI mark, in borewell / filter chamber, including 3.2 mm x 75 mm vertical perforations with spacing of 4 to 5 mm (or equivalent standard openings) in necessary lengths and necessary fittings and as per site situation and as directed by engineer –in-charge.	40.75	707.00	R.M	28,810.25
13	Supplying and filling clean best quality of well-sorted " SEVALIYA " pea gravel having size 4 mm to 6 mm surrounding casing pipe in borewell as per drawing and as directed by Engineer –in- charge	4.38	2029.00	CM	8,887.02
14	Providing, fixing and binding SS-304 Hexagonal wire mesh surrounding the perforated casing pipe in filter chamber as directed by Engineer –in- charge.	0.95	700.00	SM	665.00
15	Providing, supplying and fixing 100 mm dia. 6 kg / cm <sup>2</sup> standard PVC pipe with ISI mark, in brick masonry wall with jali at outside of wall and nylon mesh filter bag 100 x 500 mm fitted on inside end of pipe including plumbing, fittings, clamping etc, complete to keep away debris from surface runoff entering into the filter chamber as shown in drawing and directed by Engineer –in- charge	4.00	386.00	No.	1,544.00
16	Demolition including stacking of serviceable materials and Disposal of unserviceable materials with lead and lift (a) unreinforced cement concrete	0.36	529.72	CM	190.70
17	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and directed by Engineering-in-charge	2.60	9047.86	QUINTAL	23,524.44
	<b>TOTAL FOR PART - E - RECHARGE BORE WELL</b>		<b>1,32,965.31</b>		
	<b>PART-F</b>				
	<b>COMPOSTING BED</b>				
1	Boring holes 3.5 mt. deep in ordinary soil ( for cast in situ piles) & disposal of the surplus excavated soil as directed within a lead of 50 M. For following diameter of piles				
	(A) 250 mm	30.00	326.84	R. M.	9805.20

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>SMC SOR 23-24, COMPUND WALL &amp; OTHER MISC ITEM NO.- 94</b>				
2	Excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 mt. lead and all lift, watering etc. complete.				
	(A) Loose or soft soil with manual labour				
	(1) Upto 1.5 Mt. Depth	3.00	203.83	C. M.	611.49
	(2) 1.5 to 3.0 Mt. Depth	0.00	224.95	C. M.	0.00
	<b>SMC SOR 23-24, ITEM NO.- 2</b>				
3	Providing and laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregates 40 nominal size) and curing complete including cost of form work in :				
	(A) Foundation and plinth	3.00	2680.21	C. M.	8040.63
	<b>SMC SOR 23-24, ITEM NO.- 4</b>				
4	Providing & laying cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone agg. 20 mm nominal size) & curing comp. Includ.cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete.	3.00	3637.34	C. M.	10912.02
	<b>SMC SOR 23-24, ITEM NO.- 95, ITEMS FOR COMPOUND WALL &amp; OTHER MISC. ITEMS</b>				
5	Providing and laying cement concrete 1:1.5:3 ( 1 cement, 1.5 sand, 3 graded stone aggregates 20 mm nominal size ) & curing complete including cost of form work but excluding cost of reinforcement for reinforced concrete work in:				
	(A) Foundation, footing, Base of columns and Mass concrete.	1.00	4146.15	C. M.	4146.15
	<b>SMC SOR 23-24, ITEM NO.- 6</b>				
6	Providing and laying ordinary cement concrete 1:1.5:3 ( 1 cement, 1.5 sand, 3 graded stone aggregates 20 mm nominal size ) finishing smooth curing etc. complete including cost of form work but excluding cost of reinforcement for reinforced concrete (R.C.C.) work in: Upto G.L./P.L.				
	(A) COLUMNS ;				
	(1)Having c/s area up to 0.08 s.mt- Ground Floor	1.00	12632.60	C. M.	12632.60
	(B) BEAMS :				
	(1)Having c/s area up to 0.08s.mt- Ground Floor	2.00	9102.61	C. M.	18205.22
	(C) SLABS :				
	(2) Slabs having more than 8cm. and upto 10 cm. Th'-. G.F	0.00	7984.42	C. M.	0.00
	<b>SMC SOR 23-24, ITEM NO.- 13</b>				
7	Providing & fixing IS Mark TMT Bar FE 500 / FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L.	1500.00	76.21	Kg	114315.00
	<b>SMC SOR 23-24, ITEM NO.- 15</b>				
8	Providing & construction brick work using Fly Ash bricks having crushingstrength not less than 70 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand ) etc. comp. Up to G.L./P.L.	5.00	4237.00	C. M.	21185.00
	<b>SMC SOR 23-24, ITEM NO.- 9</b>				
9	Filling in trenches with available excavated earth in layer not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering etc.complete.	2.00	130.39	C. M.	260.78
	<b>SMC SOR 23-24, ITEM NO.- 10</b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
10	Providing and filling in plinth with murrum/yellow soil or selected soil in layers of 20 cm. thickness including watering, ramming and consolidation etc. complete.	5.00	289.06	C. M.	1445.30
	<b>SMC SOR 23-24, ITEM NO.- 11</b>				
11	Providing and applying 20mm. thick sand faced cement plaster on walls or similar surfaces at all floor levels consisting of 12 mm. average thick backing coat of C.M.1:3 (1 cement : 3 sand) and 8 mm. Thick finishing coat of C.M.1:1 (1 cement : 1 sand) etc. comp.	30.00	330.88	S. M.	9926.40
	<b>SMC SOR 23-24, ITEM NO.- 12</b>				
12	<p>Providing and applying two coats of weathershield max paint (3 coats may be required in case of darker colours) of ICI Dulux or Apex Ultima of Asian paint including applying exterior acrylic primer coat as per manufacturers specification and directions in shade and colour approved by architects, on exterior surfaces of the building including scaffolding, preparing the surface, watering, curing etc. complete and as directed by the architects and manufacturers.</p> <p><b>Surface preparation:</b> Surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, funfi, algae and flaking paint. This can be achieved by brushing with a wire / stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and clean the surface thoroughly using wire brushes.</p>				
	<p><b>Priming:</b> Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint.</p>	30.00	82.00	S. M.	2460.00
	<b>SMC SOR 23-24, COLOR WORK ITEM NO.- 17</b>				
	<b>TOTAL FOR PART - F (COMPOSTING BED)</b>		<b>2,13,945.79</b>		
	<b><u>PART-G</u></b>				
	<b><u>BENCHES &amp; DUSTBINS</u></b>				
1	Providing, supplying & placing precast <b>RCC Wooden benches</b> as per given specifications. (Seating plank dimensions : Seating Length of the Bench : 1380 mm, Seating width of the Bench : 450 mm, Seating height of the Bench : 450 mm, Seating plank thickness : 60 mm, Total height of the Bench : 900 mm.)				
	M-30 grade of Concrete using vibration compaction process. Benches consists of 2 Nos. L-shape base support in wooden texture and 1 Nos. flate back and 1 Nos. bottom plank leg thickness : 90 mm, Leg height : 830mm, Leg width : 600 mm, backside plank width : 350 mm, backside plank length : 1380 mm. backside plank thickness : 60 mm.				
	Bench top and back planks are treated with special anticorrosive, water proof coating, prevent sun, rain, light and fungal attack, as to make surfaces glossy and water proof.				

Sr. no	Description	Qty.	Rate	Unit	Amount
	The back rest should show as details given by SMC in embossed at casting time.	40.00	3,927.00	No.	1,57,080.00
	<b>SMC SOR 23-24, ITEM NO.- 119</b>				
2	Providing and fixing Dustbin with M.S. stand at the location including concrete foundation block neede to fix the stand as directed by the EIC.	25.00	4,000.00	No.	1,00,000.00
	<b>M.R.</b>				
3	Providing & Fixing heavy duty p.v.c Dustbin with auto hinges and cover as Directed By Engineer in charge.(0.3 cu.mt)	10.00	600.00	No.	6,000.00
	<b>M.R.</b>				
4	Providing and Fixing Hollow steel Sections Framed Work including Cutting, Hoisting, Welding & Fixing in position Purlin, Main Chord etc. as per Engineer-in-charge.TATA / JINDAL / ASIAN Make (M.R.)	100.00	126.00	KG.	12,600.00
	<b>SMC SOR 23-24, ITEM NO.- 132</b>				
	<b>TOTAL FOR PART - G - BENCHES,DUSTBINS &amp; SCLPTURES</b>	<b>2,75,680.00</b>			
		<b>Total Amount of civil works</b>			<b>1,25,89,604.02</b>
	<b><u>PART H</u></b>				
	<b>PROVIDING, SUPPLYING AND FIXING OF CHILDREN PLAYING EQUIPMENTS, OUTDOOR PHYSICAL FITNESS EQUIPMENTS (INCLUDING ONE YEAR FREE MAINTENANCE)</b>				
	<b>(A) CHILDREN PLAYING EQUIPMENTS, OUTDOOR PHYSICAL FITNESS EQUIPMENTS</b>				
1	Multi Activity Play System -4	0.00	585900.00	No.	-
2	Double lane Slide	1.00	92288.14	No.	92,288.14
3	Four seater arc swing	1.00	48127.12	No.	48,127.12
4	Double seater arc swing	1.00	30508.47	No.	30,508.47
5	Circular Swing	1.00	23644.07	No.	23,644.07
6	Animal M.G.R.	1.00	28220.34	No.	28,220.34
7	Platform M.G.R.	1.00	38974.58	No.	38,974.58
8	Dolphin See Saw	1.00	18305.08	No.	18,305.08
9	Multi Seater See-Saw	1.00	16855.93	No.	16,855.93
10	Combination Set 3 in 1	1.00	28296.61	No.	28,296.61
11	Mini Slide	1.00	20502.56	No.	20,502.56
12	Mini Wave Slide	1.00	20855.64	No.	20,855.64
13	Toddler Swing	1.00	24030.25	No.	24,030.25
14	Spring Rider Duck	1.00	10677.97	No.	10,677.97
15	Spring Rider Racer	1.00	15254.24	No.	15,254.24
16	S Loop Climber	1.00	25932.20	No.	25,932.20
17	Sunset Scrambler	1.00	26008.47	No.	26,008.47
	<b>TOTAL FOR (A) CHILDREN PLAYING EQUIPMENTS</b>	<b>4,68,481.68</b>			
	<b><u>PART-I</u></b>				
	<b><u>INTRTNAL ELECTIFICTION WORK</u></b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
1	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. <b>(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</b>	15	449.45	PT	6,741.75
2	Point wiring for Tissino / Modular secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC(Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. <b>(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete. cat III</b>	6	151.5	PT	909.00
3	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. <b>(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</b>	2	629.23	PR	1,258.46
4	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size <b>(A) With medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. mm</b>	30	59.59	MTR	1,787.70
5	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size <b>(A) With medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm</b>	100	78.78	MTR	7,878.00

Sr. no	Description	Qty.	Rate	Unit	Amount
6	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. <b>[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</b>	2	473.69	PT	947.38
7	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. <b>[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III</b>	6	697.91	PT	4,187.46
8	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured /metallic/white front plate modules erected on / in wall / ceiling with following type accessories Cat. III	4	241.39	PT	965.56
9	Bakelite adopter for Holder to be erected.	20	9.09	EA	181.80
10.00	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed. <b>(a)20 mm</b>	20	23.23	MTR	464.60
11.00	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed. <b>(b) 25 mm</b>	10	32.32	MTR	323.20
12.00	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % ( fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) <b>(A) Tube Light with integral driver (iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat-III</b>	12	373.7	EA	4,484.40



Sr. no	Description	Qty.	Rate	Unit	Amount
13	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 <b>(A) LED Lamps integral type, with PC diffuser suitable LAMP holder (ii) 5 to 8 watts cat III</b>	9	112.11	EA	1,008.99
14	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3 blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))	2	1948.29	EA	3,896.58
15	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	2	108.07	EA	216.14
16	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	2	18.18	EA	36.36
17	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. <b>250mm with 1350 RPM Cat.II</b>	3	1366.53	EA	4,099.59
18	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel	2	46648.87	EA	93,297.74
19	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed <b>[C] 50 Ltr / Hr with 150 psi 2 nos booster pump</b>	2	24394.53	EA	48,789.06
<b>Sub total Part-01</b>					<b>1,81,473.77</b>
	<b>PART-2</b>				
	<b><u>SWITCHGEAR &amp; DISTRIBUTION BOARD</u></b>				
1	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	39	270.68	EA	10,556.52
2	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	28	112.11	EA	3,139.08
3	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	737.3	EA	737.30

Sr. no	Description	Qty.	Rate	Unit	Amount
4	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	295.93	EA	295.93
5	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	2569.44	EA	2,569.44
6	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	3412.79	EA	3,412.79
7	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	1492.78	EA	1,492.78
8	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	69.69	EA	69.69
9	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	35.35	EA	35.35
10	providing and erecting Miniature circuit breaker single pole <b>0.5A to 2A</b> system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	1	138.37	EA	138.37
<b>Sub total Part-02</b>					<b>22,447.25</b>
	<b>PART-3</b>				
	<b><u>CABLES AND WIRES</u></b>				
1	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size(A) with medium class Rigid PVC pipe and accessories.(a) 2 wire 4 sq. mm	60	107.06	MTR	6,423.60
2	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size(A) with medium class Rigid PVC pipe and accessories.(b) 2 wire 6 sq. mm	20	140.39	MTR	2,807.80
3	Supplying & erecting Flexible PVC insulated multistrand multicore 1.1 KV grade ISI marked Copper Wires of following Size to be erected as directed. e) 1.50 Sq.mm 3 core round PVC sheathed ( street lights )	155	44.44	MTR	6,888.20
4	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (C) 4 core 10 Sq. mm (For street lights and 3 phase DB)	530	138.37	MTR	73,336.10

Sr. no	Description	Qty.	Rate	Unit	Amount
5	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. <b>(B) 2 core 6 Sq. mm (1 ph DB)</b>	30	90.9	MTR	2,727.00
6	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. <b>(C) 2 to 4 core 10 Sq. mm</b>	30	38.38	EA	1,151.40
7	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. <b>(B) 10 Sq.mm</b>	120	13.13	EA	1,575.60
8	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. <b>(A) 1.5/ 2.5/4/6 Sq.mm</b>	8	6.06	EA	48.48
9	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	530	46.46	MTR	24,623.80
10	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (A)50 mm outer dia.	530	62.62	MTR	33,188.60
11	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (C) 3 Core x 4 Sq. mm	130	146.45	MTR	19,038.50
12	Providing & laying. R.C.C. Hume pipe for cable to be laid 90 cm. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original.(E)150 mm dia	50	263.61	MTR	13,180.50
<b>Sub total Part-03</b>					<b>1,84,989.58</b>
	<b>PART-4</b>				
	<b><u>EARTHING</u></b>				

Sr. no	Description	Qty.	Rate	Unit	Amount
1	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200- 250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 • / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retainmoisture for long time Necessary test report must be submitted.(c) For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA) i.e independent <b>(b)For Electrical installation up to 11 KV in normal soil. Length of Pipe : 2.00 mtrs Back filling Compound :1 no. Bag</b>	2	5760.03	EA	11,520.06
2	Providing and erecting Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire. - to be used for each Street Light	39	368.65	EA	14,377.35
3	For using salt and charcoal / coke as required for pipe type earthing.	39	171.7	EA	6,696.30
4	Providing one bag of 25 Kg. Additional Back Filling Compound (BFC) suitable for safe earthing device.	10	707	EA	7,070.00
5	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	10	794.87	KG	7,948.70
6	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T. , OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	10	77.77	KG	777.70
<b>Sub total Part-04</b>					<b>48,390.11</b>
	<b>PART-5</b>				
	<b>MISC</b>				
1	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply.	1	214.12	EA	214.12
2	Providing printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock	2	130.29	EA	260.58
3	providng and erecting Approved make. energy meter 3 phase 4 wire unbalanced load 500 V.50A / 100A complete erected as directed with necessary earth wire. Cat. III	1	2611.86	EA	2,611.86
4	providng and erecting Suitable set of CTS for 100A Energy Meter	1	2105.85	EA	2,105.85
5	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 <b>(b)4mm</b>	8	1027.17	SQ.MT	8,217.36
6	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 <b>(c)12mm</b>	4	3081.51	SQ.MT	12,326.04
<b>Sub total Part-05</b>					<b>25,735.81</b>

Sr. no	Description	Qty.	Rate	Unit	Amount
	<b>PART-6</b>				
	<b><u>PUMP AND MOTOR</u></b>				
1	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [C] For 3 HP 3 phase open well horizontal mono block pump set suitable for 85 LPM to 270 LPM @ 11 mtr to 33 mtr head suitable for 50/65 mm dia delivery pipe	1	15707.52	EA	15,707.52
2	Supplying & erecting approved make motor control cubical panel [Star delta] made from 16G CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking with suitable size of ON - OFF isolator (AC 3 / 23 duty) main fuses. Digital volt and current meter (in a single unit) with micro controller based control unit and current sensing single phasing preventer electronic overload protection, over voltage (Programmable) protection and under voltage (Programmable) protection, prodless dry run protection programming facility for setting of all parameter like overload current, high voltage limit, low voltage limit, dry run limit with digital indication on seven segment LED display for any fault like over load, high voltage, low voltage, dry running single crimped, electronic star delta timer, feather touch start / stop push buttons to be erected on angle iron frame. Grouted on wall the contactors will be of L & T Siemens RCH make each) (a) DOL upto 50 HP.	1	7250.79	EA	7,250.79
3	Supplying & erecting approved make Automatic liquid level controller 6A.as per instruction of Engineer in charge on site complete with wiring connection with existing wires , with copper conductor from pump to upper and lower tank.(Size Not less than 1.5 Sq MM) from pump to upper and lower tank with ISI marked Rigid PVC Pipe.	1	2355.32	EA	2,355.32
<b>Sub total Part-06</b>					<b>25,313.63</b>
	<b>PART-7</b>				
	<b><u>EXTERNAL ELECTRIFICATION</u></b>				
1.00	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected With Suitable foundation (Included) as per details given by manufacturer considering site requirement. (D) 6 Mtr. Long 70 mm Top X 135 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M20 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 59 kg	4	8192.11	EA	32,768.44

Sr. no	Description	Qty.	Rate	Unit	Amount
2	Providing and erecting Street Light pole bracket comprising main B Class MS pipe of 4.2 cm/require outside dia. complete with suitable B Class M.S. sleeve tubing of approx. 45cms.length and suitable for 76.5 mm /80mm / required size of pole top having sufficient fasteners for fixing the brackets and having spread of 1.5.mtr. length with 110 deg.with vertical plane & suitable welded stays, reducer and with check nuts complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms <b>[A] Single Arm Bracket 1.5 Mtr</b>	0	626.2	EA	-
3.00	Supplying & erecting approved make SMC press moulded composite FRP . loop-in, loopout approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box.(a) 300mm x 200mm x 100mm [deep]	4	898.9	EA	3,595.60
4	Providing and erecting iron clad cable route marker duly marked with ELE.CABLE of size 23 cm.X 12 cm. Flushed with ground in cement foundation as directed by Engineer in charge.	2	240.38	EA	480.76
5.00	Supplying and erecting B class Galvanized iron pipe having smooth finished bore of the pipe on both ends erected nuts and bolts along the pole / wall shaping the pipe as per site requirement. Pipe dia as following.(a) 25 mm dia	39	180.79	MTR	7,050.81
6.00	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.CREE /OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ BridgeLux (U.S.A.) make LED used for luminaire. ( fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection - 4KV integral and 10 kv non integral ,Light must have 440VAC line supply protection. It should withstand 48 hours for 440VAC line supply.(e) <b>above 48 to 60 Watts Cat-III</b>	4	4997.48	EA	19,989.92

Sr. no	Description	Qty.	Rate	Unit	Amount
7	<p>Supply of approved make frp/grp pole having following specifications :</p> <p>FRP/GRP pole made by centrifugal moulding process using thermoset resin polyester/epoxy resin system having minimum glass content 45.0%.The pole should be in one piece and tapered round in shape, having smooth outside surface finish and should be totally free from corrosion as well as non conductive and shock proof. Pole should be provided with FRP/GRP base bracket duly fabricated from metal(M.S) and duly clad with FRP/GRP material to avoid any metal exposure and painted with PU paint.</p> <p>Pole should have mechanical properties i.e 1. Specific gravity (ASTM D 792) 1.3-1.8 Kg/m<sup>3</sup>, 2. Glass Content % by weight (ASTM D 2584) 45.0 -55.0%, 3. Water absorption (ASTM D 570)</p> <p>Pole should be flame retardant as per IS 6746. Resin used shall be UV resistance and pigmented. Pole should be painted with first coat of epoxy primer and then two coats of highly weather resistance polyurethane paint to ensure proper adhesion of the paint. Minimum thickness shall be 80 to 100 micron. Deflection of the pole shall not exceed more than 10.0 % of the length of the pole for the given load. Pole should be generally made as per the dimensional data, performance criteria and some interchangeability features of poles as per the standard ANSI C123.20 latest version of ASTM D 923/01 including cable termination box with necessary accessories. The size of pole and type of installation with foundation , Anchor Base &amp; Internal junction box as per the manufacturer details and site requirement .(1) 'A' class frp/grp pole suitable for base plate mounting</p> <p><b>[B] Overall Length of 4.0 meter, Average thickness : 4mm, Top/Bottom Outside Dia. 76/143mm +/-2. Weight of Pole 10.0 Kg approx. (Without base) Metal Anchor Base duly frp clad (Size : 290 Ø * 12mm thick , Mounting hole PCD 210mm * 4 nos. of 16 Ø holes)</b></p>	35	8723.37	EA	3,05,317.95

Sr. no	Description	Qty.	Rate	Unit	Amount
8.00	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.( fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) <b>(C) Post Top Lantern LED fitting comprises of finish cast aluminum spigot and spun aluminum canopy fixed with opal polycarbonate, pipe arrangement for vertical mounting driver and accessories wired upto terminal block.IP 65 (ii)32-40W Cat-III</b>	35	4819.72	EA	1,68,690.20
9.00	Supplying & erecting approved make <b>Digital time switch</b> having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with <u>necessary connection erected as directed.</u>	1	3168.37	EA	3,168.37
10.00	Supply of Fibreglass Platform Step (A Type) Ladder - 18 FT having following specifications : It should have large fully serrated platform 15" wide 20" deep which locks ladder , Aluminium feet with thick rubber tread, top rail guard to serve as a railing, two pairs of gusset support at the bottom step and All gussets are heavy duty steel. Capacity : 300 lbs.	1	33895.6	EA	33,895.60
<b>Sub total Part-07</b>					<b>5,74,957.65</b>
<b>TOTAL(PAET-1 TO PART-7)</b>					<b>10,63,308.00</b>
		<b>TOTAL PROJECT COST</b>			<b>1,41,21,393.70</b>

Sign of Contractor

Executive Engineer  
South Zone - A (Udhna)  
Surat Municipal Corporation