

SURAT MUNICIPAL CORPORATION					
Name of Work :- CONSTRUCTION OF CONVENTIONAL TYPE BRTS BUS SHELTER AT RATNAMALA JUNCTION, UNDER FLYOVER BRIDGE IN NORTH (KATARGAM) ZONE, SURAT (WORK NO.1) (2nd Attempt)					
Location - Katargam					
SCHEDULE-B					
			SMC - S.O.R. 2024-25		
Sr. no	Description	Qty.	Rate	Unit	Amount
	WORK UP TO PLINTH LEVEL				
1	Providing and installing barricades including supplying, painting with flourscent paint/white paint and fixing CGI sheet 24 SWG of required height as per site condition and M.S. angle of required size to restrain at 2.5 mt. c/c and dismantalling the same after completion of work and allowing for movement of traffic as per drawing and as per instruction from engineer in charge	210.00	124.72	S.M.	26191.20
	(SOR -Road work-SMC 2023-24, Pg No. 13, It No. 1,PART-V)TRAFFIC SAFETY,TRAFFIC CONTROL AND SURVEY				
2	Reuse of the above barricades in item 24.1 for traffic safety purpose without procuring new barricades.	210.00	28.32	S.M.	5947.20
	(SOR -Road work-SMC 2023-24,, Pg No. 13, It No. 2,PART-V)TRAFFIC SAFETY,TRAFFIC CONTROL AND SURVEY				
3	Provision of Solar Blinkers For barricading for limited period at suitable locations as per requirement during the construction in construction zone comprising of warning zone, approach transition zone, working zone and terminal transition zone Etc.	4.00	248.00	Nos.	992.00
	(SOR -Road work-SMC 2023-24,, Pg No. 13, It No. 6,PART-V)TRAFFIC SAFETY,TRAFFIC CONTROL AND SURVEY				
4	Demolition including stacking of serviceable materials with all lead and lift. (i) RCC Work				
	(SOR SMC 2024-25, Pg No. 18, It No. 1) Demolition Items / Items for Scrap Value	151.00	1,110.75	C.M.	167723.25
5	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 Manual Labours				
	(1) 0 To 1.5 mt. Depth	65.00	212.52	C.M.	13813.80
	(2) 1.5 To 3.0 mt. Depth	45.00	235.05	C.M.	10577.25
	(3) 3.0 to 5.0 Mt. depth	0.00	257.57	C.M.	0.00

Sr. no	Description	Qty.	Rate	Unit	Amount
	SMC SOR 24-25, PAGE NO 1 IT NO 1				
6	Disposing off the excavated stuff of above items for lead of (E) 400 to 500 m				
	R&B SOR-2024-25,lt. No.-04005E	55.00	128.00	C.M.	7040.00
7	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.				
	250mm dia	17.00	334.80	R.M.	5691.60
	SMC SOR 24-25, ITEM NO. 94, PG. NO. 9				
8	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(E) From Borrow area within 3.0KM. lead (more than 10 ton)	6.00	176.15	C.M.	1056.90
	R & B SOR, ITEM NO.- 26004EA				
9	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				
	SMC SOR 24-25, PAGE NO 1 IT NO 5	21.00	3,095.25	C.M.	65000.25
10	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 : Grade Slab				
	(C) Grade slab	23.00	3,741.69	C.M.	86058.87
	(SOR SMC 24-25 Pg No. 9 It No. 95)				
11	Providing, mixing, placing, compacting by machine vibrator, curing, testing M25 Design mix concrete as per IS 456:2000 (latest revision) and as per tender specification in all items including cost of form work and rendering but excluding cost of reinforcement				
	(A) foundation, footing, base of columns and mass concrete	9.00	4,332.50	C.M.	38992.50
	SMC SOR 24-25, PAGE NO 14, Design Mix Concrete				

Sr. no	Description	Qty.	Rate	Unit	Amount
12	Providing, mixing, placing, compacting by machine vibrator, curing, testing M25 Design mix concrete as per IS 456:2000 (latest revision) and as per tender specification in all items including cost of form work and rendering but excluding cost of reinforcement				
	(A) COLUMNS:				
	(1) Having cross sectional area up to 0.085sq.mt.	0.00	12,930.68	C.M.	0.00
	(2) Having cross sectional area more than 0.085 sq.mt .up to 0.12 sqmt.	4.00	11,253.32	C.M.	45013.28
	(3) Having cross sectional area more than 0.12 sq.mt.	0.00	9,288.03	C.M.	0.00
	SMC SOR 24-25, PAGE NO 14, Design Mix Concrete				
	(B) Beam:				
	(1) Having cross sectional area upto 0.08 sq.mt.	0.00	9,083.57	C.M.	0.00
	(2) Having cross sectional area more than 0.08 sq.mt and upto 0.12 sq.mt.	9.00	8,155.37	C.M.	73398.33
	(3) Having cross sectional area more than 0.12 sq.mt .	0.00	7,067.84	C.M.	0.00
	(G) Vertical and horizontal fins	0.00	9,483.21	C.M.	0.00
	SMC SOR 24-25, PAGE NO 14, Design Mix Concrete				
13	Providing & laying C.C 1:3:6 (1cement :3 coarse sand :6 crushed stone agg. 20 m.m Nominal size)& curing comp. incl. cost of from work in: wall caps/ copings				
	(SOR SMC 24-25, Pg No. 9 It No. 97)	3.00	4,085.83	C.M.	12257.49
14	Providing & fixing IS Mark TMT Bar FE 500d reinforcement for R.C.C. work incl. bending, binding & placing in position etc.comp.---Ground Floor				
	Upto G.L./P.L.	5945.00	77.29	Kg.	459489.05
	(SOR SMC 24-25,Pg No. 1 It No. 8)				
15	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 35 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1 cement:6 sand) etc. comp. - Ground Floor,P.L.				
	(SOR SMC 24-25, Pg No. 2 It No. 16)	20.00	4,729.83	C.M.	94596.60
16	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.				
	(SOR SMC 24-25, Pg No. 1 It No. 10)	75.00	136.92	C.M.	10269.00

Sr. no	Description	Qty.	Rate	Unit	Amount
17	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.				
	(SOR SMC 24-25, Pg No. 1 It No. 11)	147.00	301.78	C.M.	44361.66
18	carrying out plinth treatment to post construction/existing structure by spraying chemical solution for termite control treatment including labour and material consisting with ISI specification using chlordene and chiorpurfiles 20 EC as per 6131_part II concentration weight one litter give 1% concentration inclusive of one litter chemicals emulsions application at the rate of 5 litter chemicals /sqmt of surface is recommended as per IS.	97.00	87.03	S.M.	8441.91
	(SOR SMC 24-25, Pg No. 12 It No. 127)				
19	Providing & Applying 20mm. Th. Heavy Roller 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 (1cement: 1 sand) apply thick cement slurry and apply roller horizontal as well as vartical (two times) up to good quality and size of grain in elevation as per directed by engineer incharge	82.00	324.00	S.M.	26568.00
	(SOR SMC 24-25, Pg No. 3 It No. 28)				

Sr. no	Description	Qty.	Rate	Unit	Amount
20	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 Surface Preparation : 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. Priming: 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				
	SMC SOR 24-25, , COLOR WORK ITEM NO.- 17	82.00	82.00	S.M	6724.00
	TOTAL COST UP TO PLINTH-(A)				12,10,204.14
	WORK ABOVE PLINTH				
21	Providing, mixing, placing, compacting by machine vibrator, curing, testing M25 Design mix concrete as per IS 456:2000 (latest revision) and as per tender specification in all items including cost of form work and rendering but excluding cost of reinforcement				
	(A) Columns :				
	(1) Having cross sectional area up to 0.085sq.mt.				
	Ground Floor	0.00	12930.68	C.M.	0.00
	(2) Having cross sectional area more than 0.085 sq.mt .up to 0.12 sqmt.				
	Ground Floor	4.00	11253.32	C.M.	45013.28
	(3) Having cross sectional area more than 0.12 sq.mt.				
	Ground Floor	0.00	9288.03	C.M.	0.00
	(SOR SMC 24-25,Pg No. 14 ,Design Mix Concrete)				
	(B) Beam:				

Sr. no	Description	Qty.	Rate	Unit	Amount
	(1) Having cross sectional area upto 0.08 sq.mt.				
	Ground Floor	0.00	9083.57	C.M.	0.00
	(2) Having cross sectional area more than 0.08 sq.mt and upto 0.12 sq.mt.				
	Ground Floor	9.00	8155.37	C.M.	73398.33
	(3) Having cross sectional area more than 0.12 sq.mt.				
	Ground Floor	1.00	7067.84	C.M.	7067.84
	(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)				
	(C) Slab:				
	(2) Slabs having more than 8 Cm & upto 10 Cm thickness.				
	Ground Floor	0.00	7965.38	C.M.	0.00
	(3) Slabs having more than 10 Cm & upto 13 Cm thickness.				
	Ground Floor	12.00	7377.92	C.M.	88535.04
	(4) Having more than 13 cm. Thickness				
	Ground Floor	0.00	6793.97	C.M.	0.00
	(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)				
	(D) Lintels:				
	Ground Floor	1.00	9963.33	C.M.	9963.33
	(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)				
	(E) Chhajja				
	Ground Floor	3.00	7119.46	C.M.	21358.38
	(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)				
22	Providing & fixing IS Mark TMT Bar FE 500d reinforcement for R.C.C. work incl. bending, binding & placing in position etc.comp.---Ground Floor				
	Ground Floor	5345.00	77.29	Kg	413115.05
	(SOR SMC 24-25, Pg No. 2 It No. 15)				
23	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in Cement Mortar 1:6 (1- Cement : 6 - fine sand)(C) Fly Ash Bricks				
	Ground Floor	17.00	4729.83	C.M.	80407.11
	(SOR SMC 24-25, Pg No. 2 It No. 16)				

Sr. no	Description	Qty.	Rate	Unit	Amount
24	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 - coarse sand) in foundation and plinth (C)Fly Ash				
	Ground Floor	10.00	712.81	S.M.	7128.10
	(SOR SMC 24-25, Pg No. 2 It No. 17)				
25	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 and similar surfaces -- Ground Floor				
	(A) for wall and similar surfaces				
	Ground Floor	111.00	199.28	S.M	22120.08
	(B) for ceilings and soffits of stairs				
	Ground Floor	119.00	225.34	S.M	26815.46
	(SOR SMC 24-25, Pg No. 3 It No. 24)				
26	Providing and fixing 150 mm wide, approved quality chicken wire mesh (FRP / PVC)at junction of brick work and RCC work or two dissimilar surfaces, at all heights fixed by nails, rowal plugs or tag by cement mortar 1:3 before applying the plaster, including curing, scaffolding all complete as directed.				
	Ground floor	46.00	102.00	S.M	4692.00
	(SOR SMC 24-25 Pg No. 11 It No. 124)				
27	Providing & Applying 20mm. Th. Heavy Roller 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) apply thick cement slurry and apply roller horizontal as well as vertical (two times) up to good quality and size of grain in elevation as per directed by engineer incharge				
	Ground Floor	132.00	324.00	S.M	42768.00
	(SOR SMC 24-25.Pg No. 3 It No. 28)				

Sr. no	Description	Qty.	Rate	Unit	Amount
28	Providing & applying single coat of textured finish at external surface at all floor levels with three coats of weather proof exterior paint of approved standard brands make (Asian/Dulux/Narolac) or Equivalent at outer side of the building on RCC or Masonary walls. Rate to include for all labour, materials, staging, scaffolding, cleaing, curing etc. application of texture after thoroughly brushing th`e surface to give an even shade free from mortar dropping/other foreign matter etc. complete. application of textures & paints must be as per company's standard instructions. Texture and colour selection as per approved by engineer in charge.	214.00	486.00	S.M.	104004.00
	RATE ANALYSIS - 02				
29	Providing throating or plaster drip and moulding it to R.C.C. chajja etc. comp.. For all floor				
	Ground Floor	29.00	43.74	R.M	1268.46
	(SOR SMC 24-25, Pg No. 3 It No. 29)				
30	Providing 20 mm deep finished groove in plaster in line and level etc. Comp. For all Floor (M.R.)				
	Ground Floor	72.00	50.00	R.M	3600.00
	(SOR SMC 24-25, Pg No. 3 It No. 30)				
31	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 Surface Preparation : 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. Priming : Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours.Application of putty is not recommended. <small>Minimum 4-6 hours duration is required between each coat</small>				
	SMC SOR 24-25, , COLOUR WORK ITEM NO.- 17	132.00	82.00	S.M	10824.00

Sr. no	Description	Qty.	Rate	Unit	Amount
	NOTE :- (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.)				
32	(B) Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces 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 conforming 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 etc. Comp. With average thickness of 120 mm and				
	SMC SOR 24-25, Page no-6.ITEM NO.- 62-B	104.00	511.00	S.M	53144.00
33	Providing and laying broken china mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall clearing with water and oxalic acid etc. as directed.				
	SMC SOR 24-25, Page no-6.ITEM NO-131	104.00	779.70	S.M	81088.80
34	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick				
	(SOR SMC 2024-25, Pg No. 4, It No. 32)	144.00	1019.39	S.M	146792.16
35	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1- Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete				

Sr. no	Description	Qty.	Rate	Unit	Amount
	(SOR SMC 2024-25, Pg No. 4, It No. 33)	9.00	1130.79	S.M	10177.11
36	Apply two coats of putty and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other matter and sand papered smooth.				
	(SOR SMC 2024-25, Pg No. 15, It No. 4, Colour works)	230.00	40.59	S.M	9335.70
37	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.				
	(SOR SMC 2024-25, Pg No. 16, It No. 5, Colour works)	230.00	83.36	S.M	19172.80
38	Providing and fixing precast Rubber Dye moulded TECTILE concrete flooring tiles, 25 to 30mm avg. thick with grade of concrete M250 pneumatic compressed and Mechanically vibreted and as per approved design over 20mm thick bed of cement mortar 1:6 jointed with neat cement slurry with pigment to match the shade of tiles in proper line & level etc. complete.				
	RA-Tectile flooring	11.00	3042.47	S.M	33467.17
39	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.) (B) 110 mm. Dia.				
	(SOR SMC 24-25, Pg No. 8 It No. 85)	40.00	325.00	R.M.	13000.00
40	Providing & fixing G.I./Aluminum Patti clamps at all floor levels of approved design to C.I. Or S.C.I pipes including the cost of cutting holes & making good the wall etc. Complete - 100 mm. dia. (M.R.)				
	(SOR SMC 24-25, Pg No. 8 It No. 91)	10.00	20.00	No.	200.00
41	Providing & Fixing Kathi around the vertical PVC drainage pipes for concealing with cement plaster 20 mm avg thickness (CM 1:3 [1 cement :3 coarse sand]) finishing as per instruction given by Eng. incharge. For (B) 100 mm /110 mm PVC PIPE				
	(SOR SMC 24-25, Pg No. 9 It No. 93)	20.00	180.00	R.M.	3600.00

Sr. no	Description	Qty.	Rate	Unit	Amount
42	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).				
	(SOR SMC 2024-25, Pg No. 05, It No. 120)	300.00	450.00	Kg.	135000.00
43	Providing and fixing stainless steel (Grade 304) (Flat of size 30mm x 5mm. thick), gill with 10mm. Dia S.S.polished bar etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and etc., of required size as per approval of Engineer-incharge, as per drawing .(for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts bolts				
	M.R.	1571.00	554.60	Kg.	871276.60
44	Providing & fixing in position collapsible steel shutters with vertical channels 20 x10 x 2 mm. Braced with flat iron diagonals 20 x5mm size with top & bottom rails of T-iron 40x40x6mm. with 38mm dia. steel pulleys comp. with bolts, locking arrangements, stoppers, handles incl. applying a priming coat of Redlead paint etc. comp.				
	(SOR SMC 2024-25, Pg No. 5, It No. 58)	8.00	6158.35	S.M.	49266.80

Sr. no	Description	Qty.	Rate	Unit	Amount
45	Providing and fixing of 8 mm thick toughened GLASS DOORS using 75 mm C-channels in border and edge profile in between with powder coating with using Dorma XI-C 4001 Glass Door PKG EN 3 (Top Patch-1, Bottom patch-1, Heavy duty Floor Spring-1, Corner Lock-1); Dorma XI-C 4003 A Patch fitting for overpanel and sidelight; Dorma XI-C 4004 A Connector for overpanel and Sidelight; Dorma XI-C 4006 Central Connector; Dorma XI-C 4008 Side Connector; Dorma XI-C 3000 H Type Handle 400x22 CTC 300 AND AS PER DRAWING including all accessories,locks, material, silicone,labour,installation, Hole & slote charges etc. and complete the work satisfactorily as per instruction of architect or Engineer-in charge.	1.00	36337.92	Each	36337.92
	R.A.-Glass door				
46	Providing and constructing sandwich type Granite stone working platform 0.6 mt. wide & 0.75 mt. height, including one end side granite stone (Double Polish) of 1.25 mt. height & front granite stone patti of 10 cm wide, vertical partitions of half B.M. wall in C.M. 1:4 and 10mm th. plaster in 1:3 with finishing smooth with cement slurry as required etc. comp as per instruction given by site in charge at all floors. (Basic rate of Granite Rs 1 200.00 / S.M.)	3.00	3128.00	R,M,	9384.00
	(SOR SMC 2024-25, Pg No. 11, It No. 123)				
47	Providing and fixing 8mm thick glass of approved make including toughening, edge diamond polishing, making necessary holes in glass, supporting system of good quality SS accessories of Ozone make ("D" clamp fittings) and joints to be filled where necessary by clear structural silicon sealant as specified by Engineer in Charge.	7.00	2825.98	S.M.	19781.86
	R.A-Glass partition for Ticket counter				
48	Fire extinguisher - CO2 Gas type 4.5 kg. Supply, installation and testing of CO2 Gas fire extinguisher with necessary hardware and consumables. Standard - Confirming to IS:15683-2006 with ISI mark. UOM - Price per each No. Make - Kanex / Safex / Secure Zone	2.00	4200.00	Each	8400.00
	(SOR SMC 2024-25, Pg No. 12, It No. 136)				

Sr. no	Description	Qty.	Rate	Unit	Amount
49	Fire extinguisher - ABC powder type 6 Kg. Supply, installation and testing of ABC powder fire extinguisher necessary hardware and consumables. Stored pressure mechanism. Charged with MAP-50% (ABC) Dry powder. with wall mounting clamp. UOM - Price per each No. Make - Kanex / Safex / Secure Zone	2.00	2000.00	Each	4000.00
	(SOR SMC 2024-25, Pg No. 12, It No. 135)				
50	Providing and fixing 3-sitter S.S. Bench made of 32mm x 5mm thik S.S. Flat (SS 304 Grade) with top seatting arrangement made of Polished Indian teak wood Sleeper of section size 200 mm x 25mm(W x H),and fixing the bench at the specified location as per detail drawing and instruction of architect or Engineer-in				
	Rate Analysis Bench-3 Seater	3.00	9330.00	No.	27990.00
51	Providing and fixing of cement ceiling using 10 mm cement sheet of brand T.P.I, SHERA (single sides), etc. using aluminium framing of 25mm x 50mm x 1 mm in 600 x 600 mm grid, and same pipe for vertical framing, including all hardware item, aluminium L clits, 25 mm powder coated self drilling screws, groove (if shown) with all material, 75 mm anchor fastners, making of coves for indirect lighting, grooves, cutting ,labour, SCAFFOLDING, lead and wastage etc. complete. And Finished with satin finish wall color and complete the work satisfactorily as per instruction of architect or Engineer-in charge.				
	R.A-Cement sheet ceiling	105.00	2356.00	SM	247380.00
52	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 & joists channels angles, tees, flats with connection plates or angle cleats as in main & cross beams, hip & trussed purlins connected to common raffers & the like				
	(SOR SMC 24-25, Pg No. 9 It No. 98-A)	23.00	9108.48	Qtl.	209495.04
53	Providing and fixing 12mm dia Fasternar bolts using HILTI chemical system including all material, labour, equipment required.				
	M.R.	25.00	555.00	No.	13875.00

Sr. no	Description	Qty.	Rate	Unit	Amount
54	Providing and erecting on site 6mm thick colour acrylic sheet with 3M make Defuser film of UV resistant type with graphic profile cut in colour acrylic. The entire surface shall be water proof and air tight with necessary gaskets. The corners shall be properly made. The acrylic to acrylic joints at the corners shall be evenly chamfered before sticking. The item includes necessary hardware to fix the acrylic signage to the MS structure. Do as specified by Engineer in Charge.				
	SMC APPROVED RATE (Public Transport Mobility Comm. Res.No. 04/2024 Dt. 08/02/24	22.00	2434.00	SM	53548.00
55	Providing and fixing in position 10mm thick acrylic sheet UV resistant as per designs on ETM counters for signages. The acrylic sheet shall be firmly screwed to the M.S. members so as to withstand wind speeds upto 47m/s. The joints of the sheets shall be well champhered and jointed using silicone sealants of Dow corning. The rates shall be inclusive of all kinds of scaffolding, staging, tools, tackles, hardware and adhesives. The work shall be done to the complete satisfaction of the Engineer in charge.the complete satisfaction of the Engineer in charge.				
	SMC APPROVED RATE (Public Transport Mobility Comm. Res.No. 04/2024 Dt. 08/02/24	7.00	3566.00	SM	24962.00
56	Providing and fixing in position 8mm thick acrylic sheet UV resistant as per designs on ETM counters for signages. The acrylic sheet shall be firmly screwed to the M.S. members so as to withstand wind speeds upto 47m/s. The joints of the sheets shall be well champhered and jointed using silicone sealants of Dow corning. The rates shall be inclusive of all kinds of scaffolding, staging, tools, tackles, hardware and adhesives. The work shall be done to the complete satisfaction of the Engineer in charge.				
	SMC APPROVED RATE (Public Transport Mobility Comm. Res.No. 04/2024 Dt. 08/02/24	31.00	2926.00	SM	90706.00

Sr. no	Description	Qty.	Rate	Unit	Amount
57	Providing and installing in position HDPE synthetic Fiber carry rollers of 100mm dia as instructed by Engineer in Charge. The rollers shall have seals which are with labyrinth seal components, non-rubbing polymer seal and attached with dust and water deflectors. The rollers shall be such that they shall have good rolling during impact and shall not damage the body of the bus nor shall get damaged during impact and shall act as a protecting mechanism for the bus and the surface of the bus shelter. The installation of the rollers shall be as per the instructions of the manufacturers. Samples shall be approved prior to installation. Roller shafts shall be made of stainless steel and multi labyrinth seals shall be filled with high grade lubricants.				
	SMC APPROVED RATE (Std Com. Res.No. 584/2023 Dt. 13/04/23)	56.00	929.00	No.	52024.00
58	Providing & Laying Cement concrete guardstone in proportion 1:2:4 (1 Cement : 2 Coarse sand : 4 Graded stone aggregate 20 mm nominal size) & shape as per the drawing including necessary excavation steel form work & white washing etc. complete (cement and steel contractor own supply.) 750 MM X 350 MM X 400 MM Size				
	(M.R.) Approved in S.W (Athwa zone)	100.00	656.00	No.	65600.00
59	Providing & fixing interlocking type Cement Concrete paver block of approved shape & design having 60 mm thickness (M-40) purchased from SMC's approved paverblock manufacturer only on fine sand bedding. Item includes leveling by using vibratory plates compacted machine. Item also includes all materials, Labour, equipments, tools, plants, watering, cleaning etc. complete.	0.00	553.00	S.M.	0.00
	For Road Junction 80 mm thick (M-50)	18.00	714.00	S.M.	12852.00
	SMC SOR 24-25, GROUND DEVELOPMENT WORK ITEM NO.- 8				
60	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.	27.00	4.93	S.M.	133.11
	SMC SOR, GROUND DEVELOPMENT WORK ITEM NO.2				

Sr. no	Description	Qty.	Rate	Unit	Amount
61	Providing & laying Granular sub base (GSB)confirming to Grading-V 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 acheve desired density of 98% of MDD including all material, labour, machinery with all leads and lift etc complete	41.00	1,469.00	C.M.	60229.00
	SMC SOR, GROUND DEVELOPMENT WORK ITEM NO.9				
62	Providing and laying 200 micron plastic sheet on prepared sub base For V.D.S Concrete	202.00	26.00	S.M.	5252.00
	SMC SOR, GROUND DEVELOPMENT WORK ITEM NO.12				
63	Providing & laying cement concrete Pavement using 1:1.5:3 (1 cement:1.5 sand:3 graded stone agg. 20 mm nominal size) & Vaccuum Dewatering technique including floating surface with a skim powder floater, curing etc. complete.	41.00	5981.00	C.M.	245221.00
	SMC SOR 24-25, GROUND DEVELOPMENT WORK ITEM NO.- 10				
64	Cutting of Groove 5 to 7 mm thick in VDS for depth 1/3 of total thickness with filling of epoxy sealent as directed by engineer in charge	45.00	50.00	R.M.	2250.00
	SMC SOR 24-25, GROUND DEVELOPMENT WORK ITEM NO.- 13				
65	Providing 100mm thick readymade C.C. kerb of strength M-20 (size 300mm x 380mm) 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	10.00	228.0	R.M.	2280.00
	SMC SOR 24-25, GROUND DEVELOPMENT WORK ITEM NO.- 6				
66	Providing and fixing Eco Solvent Vinyl Sticker (120 gsm) with Lamination (100 gsm)	484.20	38.00	Sft.	18399.60
	(SOR SMC 2024-25, Pg No. 13, It No. 147)				
	TOTAL COST ABOVE PLINTH-(B)				35,97,700.13
	Total	A+B			48,07,904.27
	<u>Part-B Electrical Work</u>	R&B SOR 2025-26			

Sr. no	Description	Qty.	Rate	Unit	Amount
	Part-01 Internal Wiring & Light Fixture				
67	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. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III	20.00	485.81	Pt.	9716.20
68	Primary light point controlled by one SP MCB	5.00	585.80	Nos	2929.00
69	Secondary light point controlled by same switch / MCB	6.00	121.20	Nos	727.20
70	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. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	10.00	167.66	Pt.	1676.60
71	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. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III	1.00	674.68	Pt.	674.68

Sr. no	Description	Qty.	Rate	Unit	Amount
72	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. [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	8.00	510.05	Pt.	4080.40
73	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. [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	6.00	745.38	Pt.	4472.28
74	DO - as 1.1.5 but with 4 sq.mm wire for phase & Neutral & 2.5 sq. mm for Earthing	2.00	797.90	Nos	1595.80
75	-Do- as 1.1.6 but With 20 Amp DP switch and socket at different location	4.00	1550.35	Nos	6201.40
76	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	8.00	257.55	Pt.	2060.40
77	Wiring for the UPS / Comp. / Raw Power outlet with 2 nos. of 250 volts single phase and neutral 16 amps switched socket outlet with 4 sq mm x 3 core FRLS Round flexible copper conductor 1100 volts grade wires of approved make in concealed or surface mounted Prelaid 25 mm dia medium guage PVC Conduit / Race ways including providing and fixing of 2 no.s of 16 amps 5 pin switch socket outlet of approved quality colour make & design in 2 mm thick GI box and earthing of fixtures and the outlet box . (Maximum 2 nos. of Plugs can be looped in 1 Circuit)	2.00	1333.20	Nos	2666.40

Sr. no	Description	Qty.	Rate	Unit	Amount
78	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (4) TV Coaxial Socket outlet Cat. III	2.00	160.59	Each	321.18
79	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed. 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug Cat.III	3.00	1133.22	Each	3399.66
80	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	50.00	76.76	Mtr	3838.00
81	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. (a)20 mm	60.00	24.24	Mtr	1454.40
82	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) 25 mm	50.00	33.33	Mtr	1666.50
83	Providing and fixing 350 x 350 x 40 mm deep 2 mm thick GI sheet junction box including providing 3 mm thick stainless steel cover as per specification.	3.00	914.05	Nos	2742.15
84	Supplying, Fabricating, Installtion, Testing & Commissining of the 2 mm thick CRCA sheet Steel Powder Coated MS box as per the approved Design with locking Arrangement	10.00	95.95	Kgs	959.50
85	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes (2) 100 mm x 50 mm trunking	5.00	428.24	Mtr	2141.20

Sr. no	Description	Qty.	Rate	Unit	Amount
86	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.) (A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (i) above 36 to 48 watts Cat-III	4.00	3345.12	Each	13380.48
87	Supplying and erecting Street light pole bracket comprising main B Class GI pipe of 4.2 cm/require outside dia. complete with suitable B Class G.I. sleeve tubing of approx. 45cms.length and suitable for 76.5mm/80mm/require size of pole top having nuts and bolts for fixing the brackets and having spread of 0.5 mtr. Length with 110 deg.with vertical plane and suitable welded stiffener reducer and nipple with check nut complete painted with one coat.of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm bracket 0.5 Mtr	4.00	491.87	Each	1967.48

Sr. no	Description	Qty.	Rate	Unit	Amount
88	<p>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 pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.9, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt , 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.) (A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP65 (iv) 22-24 watts, Surge-2 KV Cat-III</p>	26.00	758.51	Ea.	19721.26
89	<p>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 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED efficiency110 lumens/watt LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux make LED used for luminaire. (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.) (A) LED Lamps integral type,cool white with PC diffuser suitable for B22 LAMP holder (b) 5 to 8 watts cat-III</p>	2.00	112.11	Each	224.22

Sr. no	Description	Qty.	Rate	Unit	Amount
90	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 pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body 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 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.) (A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete. IP20 Cat-III (ii) 11-15 watts, Surge-2 KV	5.00	427.23	Each	2136.15
91	Providing & erecting Approved make Ceiling Fan with double ball bearing with Condenser 230 volt A.C. 50 Hz. 900 mm sweep complete having 3 Aluminium blades, canopy erected complete. [Make shall be approved by Engineer in Charge]	1.00	1982.63	Ea.	1982.63
92	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.	1.00	108.07	Ea.	108.07
93	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	1.50	108.07	Mtr.	162.11
94	Supplying Table fan approved make A.C. 230V, 50 c/s. 40 cm. sweep oscillating complete with 3 mtrs. of 3core round flexible wire and 3 pin plug top. [Make shall be approved by Engineer in Charge]	2.00	1841.23	Ea	3682.46
95	Supplying and erecting approved make Bracket fan of 230 volt, A.C. 50 Cy/s., 400/450 mm sweep complete erected on wall or with lead Cores and connections complete. Cat.II	3.00	2105.85	Ea	6317.55
	Subtotal Part-01				1,03,005.36
	Part-02 LT Switchgear, Distribution Boards & LT Panel				

Sr. no	Description	Qty.	Rate	Unit	Amount
96	Providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	6.00	112.11	Each	672.66
97	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43) (iii)8 way	1.00	1152.41	Each	1152.41
98	Supply, Erecting, testing and commissioning of only TPN D.B. PPI type with space for FPMCB as incoming and space for DP-ELMCB and 16 SPMCB as outgoing per phase (i.e. 3 tier x 13 way flexy D.B.) of Legrand Make 607756	1.00	4190.49	Each	4190.49
99	Supply, Erecting, testing and commissioning of only TPN D.B. PPI type with space for FP ELMCB as incoming and space for 12 SPMCB as outgoing per phase (i.e. 2 tier x 13 way flexy D.B.) of Legrand Make 607746	1.00	3580.45	Each	3580.45
100	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43) (iv)12 way	1.00	1152.41	Each	1152.41
101	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25 Amps.DP Cat. III	2.00	1969.50	Each	3939.00
102	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III	3.00	299.97	Each	899.91

Sr. no	Description	Qty.	Rate	Unit	Amount
103	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	2.00	112.11	Each	224.22
104	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (B) 40 Amp. Cat.III	1.00	330.27	Each	330.27
105	25 A / 100 mA DP ELMCB	2.00	2323.00	Each	4646.00
106	32 A / 100 mA DP ELMCB	1.00	2981.52	Each	2981.52
107	40 A / 100 mA DP ELMCB	1.00	2636.10	Each	2636.10
108	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (a) 6 to 32 Amp. Cat.III (25 Amp)	1.00	595.90	Each	595.90
109	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (a) 6 to 32 Amp. Cat.III (32 Amp)	1.00	595.90	Each	595.90
110	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b) 40 Amp. Cat.III	1.00	668.62	Each	668.62
111	astronomical Dual Channel Timer equivalent to Legrand Make D22 Cat. No. 004767	1.00	4565.20	Each	4565.20
112	40 Amp DP Dinrail Moured Contactor Equivalent to Legrand make Cat. No. 004068	1.00	2110.90	Each	2110.90
113	63 Amp FP Dinrail Moured Contactor Equivalent to Legrand make Cat. No. 004078	2.00	4655.09	Each	9310.18
114	Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.	2.00	176.75	Each	353.50

Sr. no	Description	Qty.	Rate	Unit	Amount
115	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (a) single door (IP-30) (i)4 way	2.00	355.52	Each	711.04
	Subtotal Part-02				45,316.68
	Part-03 Cables and Wires				
116	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.(A) with medium class Rigid PVC pipe and accessories.(b) 2 wire 2.5 sq. mm)	30.00	82.82	Mtr	2484.60
117	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	50.00	112.11	Mtr	5605.50
118	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.(h) 4 wire 6 sq. mm	50.00	260.58	Mtr	13029.00
119	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A) 4 core 10 Sq. mm	120.00	676.70	Mtr	81204.00

Sr. no	Description	Qty.	Rate	Unit	Amount
120	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	40.00	112.11	Mtr	4484.40
121	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 (A) With medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	20.00	82.82	Mtr	1656.40
122	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 (E) in existing pipe (a) 2 wire 1.5 sq. mm	50.00	46.46	Mtr	2323.00
123	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 (E) in existing pipe (b) 2 wire 2.5 sq. mm	50.00	62.62	Mtr	3131.00
124	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	100.00	47.47	Mtr	4747.00
125	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (A) 4 core 16 Sq. mm	100.00	153.52	Mtr	15352.00
126	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. (D) 2 to 4 core 16 Sq. mm	10.00	47.47	Ea	474.70

Sr. no	Description	Qty.	Rate	Unit	Amount
127	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. (C) 16/25 Sq.mm.	40.00	15.15	Ea	606.00
128	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.	120.00	55.55	Mtr	6666.00
129	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	120.00	62.62	Mtr	7514.40
130	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 (C)90 mm outer dia	50.00	95.95	Mtr	4797.50
131	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. (F) 100 mm dia.	25.00	226.24	Mtr	5656.00
132	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. (C) 2 to 4 core 10 Sq. mm	2.00	38.38	Each	76.76
133	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) 10 Sq.mm	8.00	13.13	Each	105.04
	Subtotal Part-03				1,59,913.30
	Part-04 Earthing and Automatic sliding Doors & MISC				
134	Providing and erecting HOT deep Galvanized iron strip wire 8 to 16 SWG.	10	77.77	Kgs	777.70

Sr. no	Description	Qty.	Rate	Unit	Amount
135	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. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistance mentioned in test Certificate) & having back filling compound of	2.00	5760.03	Each	11520.06
	(B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. (b)For Electrical installation up to 11 KV in normal soil.Length of Pipe : 2.00 mtrs Back filling Compound :1 no. Bag of 25 Kg.				
136	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.	10.00	77.77	Kgs	777.70
137	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	10.00	794.87	Kgs	7948.70
138	For using salt and charcoal / coke as required for pipe type earthing.	2.00	171.70	Each	343.40
139	Approval & Liaisoning work for Obtaining the necessary legal permissions from the concern government authorities, including to prepare drawings before/after execution for the work etc complete as directed by E.I.C (Certificate For LIFT, Highrise Permission DG set. Also for Power supply meter connection) It includes charges of Name Transfer of Electric Meter of each flat as well as service Meter.	1.00	1515.00	Job	1515.00

Sr. no	Description	Qty.	Rate	Unit	Amount
140	providng and erecting Approved make single phase electronic energy meter rating 5A/20A/40A based on ASIC (Application Specific integral circuit) digital technology with accuracy Class-I, temper proof, free from effect of external magnetic field with phase, earth, reverse and impulse indications, 6 digit electro-mechanical counter suitable to work on 120 V to 300V, 45 - 55 Hz., housed in robust enclosure complete to be erected as directed with 3 year replacement guarantee. Cat. III	1.00	1738.21	Ea.	1738.21
141	Providing and fixing 02 units Automatic sliding Doors (2 leafs) of size as per drawing for items to be fitted onto the Bus Station excluding any other RF component.) with Four Door RF Controller with 2 RFID Reader with weatherproof Stainless-Steel enclosure to be fitted near the bus door with Emergency Door operations Switches in Ticket office (inclusive of two-year warranty period) + Four Door RF Controller (inclusive of two-year warranty period) + RFID Reader with weatherproof Stainless-Steel enclosure to be fitted near the bus door (inclusive of two-year warranty period) + Emergency Door operations Switches in Ticket office (inclusive of two-year warranty period) (SD unit Per Station .Each Unit comprise two leafs)	1.00	610890.42	Lot	610890.42
142	S & L only PVC Heavy gauge in concealed manner with GI pulling wire of 25 mm dia with all accessories.	50.00	32.32	Mtr	1616.00
143	S & L only PVC heavy gauge in concealed manner with GI pulling wire of 32 mm dia with all accessories.	50.00	53.53	Mtr	2676.50
	Subtotal Part-04				6,39,803.69
	Total - (1+2+3+4)				9,48,039.03
	Total Civil + Electrification work				57,55,943.30

SIGNATURE OF THE CONTRACTOR WITH SEAL.

**Executive Engineer
BRTS Project
Surat Municipal Corporation**