

SURAT MUNICIPAL CORPORATION					
Name of Work :- EXTENSION WORK OF GAJERA CIRCLE BRTS BUS SHELTER, NEAR SHYAMA PRASAD MUKHARJEE GARDEN, IN NORTH (KATARGAM) ZONE, SURAT (Work No.2) (2nd Attempt)					
SCHEDULE - B					
			S.O.R. 2024-25		
Sr no.	Item	Quantity	RATE	Unit	AMOUNT
			Rs. Ps.		Rs. Ps.
	WORK UP TO PLINTH LEVEL				
1	Providing and installing barricades including supplying, painting with flourescent 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	147.00	124.72	S.M.	18333.84
	(SOR -Road work-SMC 2024-25, 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.	147.00	28.32	S.M.	4163.04
	(SOR -Road work-SMC 2024-25, Pg No. 13, It No. 2,PART-V)TRAFFIC SAFETY,TRAFFIC CONTROL AND SURVEY				
3	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	24.00	1,110.75	C.M.	26658.00
4	Excavation for foundation includ.sorting out & stacking of useful materials & disposing of the excavated stuff upto 50 mt. Lead & all lift, watering etc. Comp. (A) Loose or Soft soil Executed With Manual Labours				
	(A) loose or soft soil with Manual Labours				
	(1) 0 To 1.5 mt. Depth	75.00	212.52	C.M.	15939.00
	(2) 1.5 To 3.0 mt. Depth	67.00	235.05	C.M.	15748.35
	(3) 3.0 to 5.0 Mt. depth	0.00	257.57	C.M.	0.00
	SMC SOR 24-25, PAGE NO 1 IT NO 1				
5	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	0.00	334.8	R.M.	0.00
	SMC SOR 24-25, ITEM NO. 94, PG. NO. 9				
6	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)	0.00	167.76	C.M.	0.00
	R & B SOR, ITEM NO.- 26004EA				
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				
	SMC SOR 24-25, PAGE NO 1 IT NO 5	5.00	3,095.25	C.M.	15476.25
8	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	8.00	3,741.69	C.M.	29933.52
	(SOR SMC 24-25 Pg No. 9 It No. 95)				
9	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	10.00	4,332.50	C.M.	43325.00
	SMC SOR 24-25, PAGE NO 14, Design Mix Concrete				

Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
10	Providing, mixing, placing, compacting by machine vibrator, curing, testing <b>M25 Design mix</b> 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						
	<b>(A) COLUMNS:</b>						
	(1) Having cross sectional area up to 0.085sq.mt.	4.00	12,930.68		C.M.	51722.72	
	(2) Having cross sectional area more than 0.085 sq. mt .up to 0.12 sqmt.	0.00	11,253.32		C.M.	0.00	
	(3) Having cross sectional area more than 0.12 sq. mt.	0.00	9,288.03		C.M.	0.00	
	<b>SMC SOR 24-25, PAGE NO 14, Design Mix Concrete</b>						
	<b>(B) Beam:</b>						
	(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.	6.00	8,155.37		C.M.	48932.22	
	(3) Having cross sectional area more than 0.12 sq. mt .	0.00	7,067.84		C.M.	0.00	
	<b>(G) Vertical and horizontal fins</b>	0.00	9,483.21		C.M.	0.00	
	<b>SMC SOR 24-25, PAGE NO 14, Design Mix Concrete</b>						
11	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						
	<b>(SOR SMC 24-25, Pg No. 9 It No. 97)</b>	2.00	4,085.83		C.M.	8171.66	
12	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.	2830.00	77.29		Kg.	218730.70	
	<b>(SOR SMC 24-25,Pg No. 1 It No. 8)</b>						
13	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.						
	<b>(SOR SMC 24-25, Pg No. 2 It No. 16)</b>	13.00	4,729.83		C.M.	61487.79	
14	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.						
	<b>(SOR SMC 24-25, Pg No. 1 It No. 10)</b>	123.00	136.92		C.M.	16841.16	
15	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.						
	<b>(SOR SMC 24-25, Pg No. 1 It No. 11)</b>	49.00	301.78		C.M.	14787.22	
16	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.	34.00	87.03		S.M.	2959.02	
	<b>(SOR SMC 24-25, Pg No. 12 It No. 127)</b>						
17	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.	44.00	324.00		S.M.	14256.00	
	<b>(SOR SMC 24-25, Pg No. 3 It No. 28)</b>						

Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
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 max paint						
	<b>SMC SOR 24-25, , COLOR WORK ITEM NO.- 17</b>	44.00	82.00		S.M	3608.00	
	<b>TOTAL COST UP TO PLINTH-(A)</b>					<b>6,11,073.49</b>	
	<b>WORK ABOVE PLINTH</b>						
19	Providing, mixing, placing, compacting by machine vibrator, curing, testing <b>M25 Design mix</b> 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						
	<b>(A) Columns :</b>						
	(1) Having cross sectional area up to 0.085sq.mt.						
	Ground Floor	5.00	12,930.68		C.M.	64653.40	
	(2) Having cross sectional area more than 0.085 sq. mt .up to 0.12 sqmt.						
	Ground Floor	0.00	11,253.32		C.M.	0.00	
	(3) Having cross sectional area more than 0.12 sq.mt.						
	Ground Floor	0.00	9,288.03		C.M.	0.00	
	<b>(SOR SMC 24-25,Pg No. 14 ,Design Mix Concrete)</b>						
	<b>(B) Beam:</b>						
	(1) Having cross sectional area upto 0.08 sq.mt.						
	Ground Floor	0.00	9,083.57		C.M.	0.00	
	(2) Having cros sectional area more than 0.08 sq. mt and upto 0.12 sq.mt.						
	Ground Floor	7.00	8,155.37		C.M.	57087.59	
	(3) Having cross sectional area more than 0.12 sq.mt.						
	Ground Floor	0.00	7,067.84		C.M.	0.00	
	<b>(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)</b>						
	<b>(C) Slab:</b>						
	(2) Slabs having more than 8 Cm & upto 10 Cm thickness.						
	Ground Floor	0.00	7,965.38		C.M.	0.00	
	(3) Slabs having more than 10 Cm & upto 13 Cm thickness.						
	Ground Floor	8.50	7,377.92		C.M.	62712.32	
	(4) Having more than 13 cm. Thickness						
	Ground Floor	0.00	6,793.97		C.M.	0.00	
	<b>(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)</b>						

Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
	<b>(D) Lintels:</b>						
	Ground Floor	1.00	9,963.33		C.M.	9963.33	
	<b>(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)</b>						
	<b>(E) Chhajja</b>						
	Ground Floor	7.00	7,119.46		C.M.	49836.22	
	<b>(SOR SMC 24-25, Pg No. 14 ,Design Mix Concrete)</b>						
20	Providing & fixing IS Mark TMT Bar FE 500d reinforcement for R.C.C. work incl. bending, binding & placing in position etc.comp.--						
	Ground Floor	3558.00	77.29		Kg	274997.82	
	<b>(SOR SMC 24-25, Pg No. 2 It No. 15)</b>						
21	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	0.00	4,729.83		C.M.	0.00	
	<b>(SOR SMC 24-25, Pg No. 2 It No. 16)</b>						
22	Half brick masonry in common brunt 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 Bricks						
	Ground Floor	0.00	712.81		S.M.	0.00	
	<b>(SOR SMC 24-25, Pg No. 2 It No. 17)</b>						
23	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						
	<b>(B) for ceilings and soffits of stairs</b>						
	Ground Floor	111.00	225.34		S.M	25012.74	
	<b>(SOR SMC 24-25, Pg No. 3 It No. 24)</b>						
24	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	23.00	102.00		S.M.	2346.00	
	<b>(SOR SMC 24-25 Pg No. 11 It No. 124)</b>						
25	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 vartical ( two times ) up to good quality and size of grain in elevation as per directed by engineer incharge.						
	Ground Floor	110.00	324.00		S.M	35640.00	
	<b>(SOR SMC 24-25.Pg No. 3 It No. 28)</b>						
26	Providing & applying single coat of textured finish at external surface at all floor levels 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 throughly 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.	154.00	404.00		S.M.	62216.00	
	<b>RATE ANALYSIS - 01</b>						
27	Providing throating or plaster drip and moulding it to R.C.C. chajja etc. comp.. For all floor						

Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
	Ground Floor	48.00	43.74		R.M	2099.52	
	<b>(SOR SMC 24-25, Pg No. 3 It No. 29)</b>						
28	Providing 20 mm deep finished groove in plaster in line and level etc. Comp. For all Floor (M.R.)						
	Ground Floor	144.00	50.00		R.M	7200.00	
	<b>(SOR SMC 24-25, Pg No. 3 It No. 30)</b>						
29	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 max paint						
	<b>SMC SOR 24-25, , COLOUR WORK ITEM NO.- 17</b>	110.00	82.00		S.M	9020.00	
30	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.)						
	(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 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 etc. Comp. With average thickness of 120 mm and minimum thickness at khurra as 65 mm. (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						
	<b>SMC SOR 24-25, Page no-6.ITEM NO.- 62-B</b>	68.00	511.00		S.M	34748.00	
31	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.						
	<b>SMC SOR 24-25, Page no-6.ITEM NO-131</b>	68.00	779.70		S.M	53019.60	
32	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						

Sr no.	Item	Quantity	RATE	Unit	AMOUNT
			Rs. Ps.		Rs. Ps.
	<b>(SOR SMC 2024-25, Pg No. 4, It No. 32)</b>	68.00	1,019.39	S.M	69318.52
33	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				
	<b>(SOR SMC 2024-25, Pg No. 4, It No. 33)</b>	0.00	1,130.79	S.M	0.00
34	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.				
	<b>(SOR SMC 2024-25, Pg No. 15, It No. 4,Colour works)</b>	111.00	40.59	S.M	4505.49
35	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.				
	<b>(SOR SMC 2024-25, Pg No. 16, It No. 5,Colour works)</b>	111.00	83.36	S.M	9252.96
36	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.				
	<b>RA-2 Tectile flooring</b>	5.00	1014.16	S.M	5070.80
37	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 jointed with resin of approved brand & manufacture etc. comp. (M.R.) (B) 110 mm. Dia.				
	<b>(SOR SMC 24-25, Pg No. 8 It No. 85)</b>	20.00	325.00	R.M.	6500.00
38	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.)				
	<b>(SOR SMC 24-25, Pg No. 8 It No. 91)</b>	20.00	20.00	No.	400.00
39	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				
	<b>(SOR SMC 24-25, Pg No. 9 It No. 93)</b>	20.00	180.00	R.M.	3600.00
40	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.)				
	<b>(SOR SMC 2024-25, Pg No. 05, It No. 120)</b>	0.00	450.00	Kg.	0.00
41	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, fasteners etc.).				

Sr no.	Item	Quantity	RATE	Unit	AMOUNT
			Rs. Ps.		Rs. Ps.
	<b>M.R.Approved for Construction of Conventional type BRTS Bus Shelter in WEST (Rander) Zone For Surat Municipal Corporation.</b>	2027.00	554.60	Kg.	1124174.20
42	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.				
	<b>(SOR SMC 2024-25, Pg No. 5, It No. 58)</b>	0.00	6,158.35	S.M.	0.00
43	Providing & fixing Powder Coated Aluminium partly glazed and partly panelled partition using medium duty sections of Hindalco,Zindal, Narmada, Banco or Equivalent approved make having section 63.50 mm x 38.10mm ( Frame-.758 kg/rmt & Middle section- 0.819 Kg./rmt), Galzing Clip with 5 mm thick clear float glass of approved make including all other necessary fittings and fixtures. Entire work will have to be made water proof using necessary rubber sectioned wherever required. Gaps all round the frame to be filled with approved water proof sealent. Bottom portion of doors both side to be covered with 12mm thick prelaminated particle board of approved make and quality and as per design. <b>A) Same as above but Colour anodized</b>	0.00	2400.00	SM	0.00
	<b>SMC-SOR-2024-25-Aluminium works-IT NO.-7</b>				
44	Providing & fixing partly panel & partly glass Powder Coated Aluminium doors with aluminium section of Hindalco, Jindal , Narmada,Banco or Equivalent approved make having Poder Coated outer frame Leg Partition section of 63.50 mm x 38.10 mm having weight 1.158 kg. / R.M. shutter section having size 83.5 mm x 44.45mm ( top & bottom: 1.384 kg./rmt. and middle 1.139 kg./rmt.) door vertical 47.62mm x 44.45 mm ( vertical:0.881 kg./rmt. & top hing side:0.974 kg./mt.), Glazing Clip (Jindal Section No. 19370 Wt. 0.109 Kg./ Mt.) with 5mm thick sheet glass in acid frogting and 12 mm thick prelaminated sheet of Greenlam, Panama or archid make as app( <b>A) Same as above but Colour anodized</b>	0.00	3237.00	SM	0.00
	<b>SMC-SOR-2023-24-Aluminium works-IT NO.-6</b>				
45	Providing and fixing of 12 mm tk toughned 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.Size -(1.25 m. x 2.45 m.)	0.00	36337.92	Each	0.00
	<b>RA-3 Glass door</b>				
46	Providing and constructing sandwitch type <b>Granite stone working platform</b> 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.)	0.00	3128.00	R,M,	0.00
	<b>(SOR SMC 2024-25, Pg No. 11, It No. 123)</b>				

Sr no.	Item	Quantity	RATE	Unit	AMOUNT
			Rs. Ps.		Rs. Ps.
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.	0.00	2825.98	S.M.	0.00
	<b>RA-4 Glass partition for Ticket counter</b>				
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	0.00	4200.00	Each	0.00
	<b>(SOR SMC 2024-25, Pg No. 12, It No. 136)</b>				
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	0.00	2000.00	Each	0.00
	<b>(SOR SMC 2024-25, Pg No. 12, It No. 135)</b>				
50	Providing and fixing 3-sitter S.S. Bench made of 32mm x 5mm thick S.S. Flat (SS 304 Grade) with top seating 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 charge.				
	<b>Rate Analysis Bench-3 Seater</b>	0.00	9330.00	No.	0.00
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.				
	<b>R.A-Cement sheet ceiling</b>	68.00	2356.00	SM	160208.00
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 rafter & the like				
	<b>(SOR SMC 24-25, Pg No. 9 It No. 98-A)</b>	30.00	9,108.48	Qtl.	273254.40
53	Providing and fixing 12mm dia Fastener bolts using <b>HILTI chemical system</b> including all material, labour, equipment required.				
	<b>M.R.Approved for Construction of Conventional type BRTS Bus Shelter in WEST (Rander) Zone For Surat Municipal Corporation.</b>	0.00	555.00	No.	0.00
54	Providing and erecting on site <b>6mm thick colour acrylic sheet</b> 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.				
	<b>SMC APPROVED RATE (Public Transport Mobility Comm. Res.No. 04/2024 Dt. 08/02/24)</b>	0.00	2434.00	SM	0.00



Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
55	Providing and fixing in position <b>10mm thick acrylic sheet</b> 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 chamfered and jointed using silicone sealants of Dow coming. 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.						
	<b>SMC APPROVED RATE (Public Transport Mobility Comm. Res.No. 04/2024 Dt. 08/02/24)</b>	0.00	3566.00		SM	0.00	
56	Providing and fixing in position <b>8mm thick acrylic sheet</b> 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 chamfered and jointed using silicone sealants of Dow coming. 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.						
	<b>SMC APPROVED RATE (Public Transport Mobility Comm. Res.No. 04/2024 Dt. 08/02/24)</b>	0.00	2926.00		SM	0.00	
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.						
	<b>SMC APPROVED RATE (Std Com. Res.No. 584/2023 Dt. 13/04/23)</b>	84.00	929.00		No.	78036.00	
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.) <b>750 MM X 350 MM X 400 MM Size</b>						
	<b>(M.R.) Approved in S.W (Athwa zone)</b>	70.00	656.00		No.	45920.00	
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.						
	<b>For Road Junction 80 mm thick ( M-50)</b>	0.00	714.00		S.M.	0.00	
	<b>SMC SOR 23-24, GROUND DEVELOPMENT WORK ITEM NO.- 8</b>						
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.	0.00	4.93		S.M.	0.00	
	<b>SMC SOR, GROUND DEVELOPMENT WORK ITEM NO.2</b>						

Sr no.	Item	Quantity	RATE	Unit	AMOUNT	
			Rs. Ps.		Rs.	Ps.
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.	0.00	1,469.00	C.M.	0.00	
	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	0.00	26	S.M.	0.00	
	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) & Vaccum Dewatering technique including floating surface with a skim powder floater, curing etc. complete.	0.00	5981.00	C.M.	0.00	
	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	0.00	50.00	R.M.	0.00	
	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.	0.00	228.00	R.M.	0.00	
	SMC SOR 24-25, GROUND DEVELOPMENT WORK ITEM NO.- 6					
66	Providing and fixing Eco Solvent Vinyl Sticker (120 gsm) with Lamination (100 gsm)	0.00	38.00	Sft.	0.00	
	(SOR SMC 2024-25, Pg No. 13, It No. 147)					
67	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 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) (Execution as per directed by Electrical engineer incharge)	4.00	0	Lot	0.00	
	Resuable					
	TOTAL COST ABOVE PLINTH-(B)				25,30,792.91	
	Total Civil Work	A+B		31,41,866.40		
Electrical Work						
Part-01 Internal Wiring & Light Fixture						

Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
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>	8.00	485.81		Pt.	3886.48	
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</b>	4.00	167.66		Pt.	670.64	
3	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>	2.00	510.05		Pt.	1020.10	
4	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>	4.00	745.38		Pt.	2981.52	
5	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>	15.00	24.24		Mtr	363.60	
6	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>	10.00	33.33		Mtr	333.30	

Sr no.	Item	Quantity	RATE		Unit	AMOUNT	
			Rs.	Ps.		Rs.	Ps.
7	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.) <b>(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</b>	12.00	758.51		Ea.	9102.12	
<b>Subtotal Part-01</b>						<b>18357.76</b>	
<b>Part-02 LT Switchgear, Distribution Boards &amp; LT Panel</b>							
8	Providing and erecting Miniature circuit breaker single pole <b>6A to 25A</b> 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	8.00	112.11		Each	896.88	
9	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 <b>(A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43) (iv) 12 way</b>	2.00	1152.41		Each	2304.82	
10	Providing & erecting 240 V <b>MCB double pole</b> switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity <b>(A) 6 to 32 Amp. Cat.III</b>	4.00	299.97		Each	1199.88	
11	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>(B) 40 Amp. Cat.III</b>	2.00	330.27		Each	660.54	
12	40 A / 100 mA DP ELMCB	2.00	2636.10		Each	5272.20	
<b>Subtotal Part-02</b>						<b>10334.32</b>	
<b>Part-03 Cables and Wires</b>							
13	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>	80.00	82.82		Mtr	6625.60	
14	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 <b>(A) with medium class Rigid PVC pipe and accessories. (a) 2 wire 4 sq. mm</b>	110.00	112.11		Mtr	12332.10	
15	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 <b>(A) with medium class Rigid PVC pipe and accessories. (h) 4 wire 6 sq. mm</b>	30.00	260.58		Mtr	7817.40	
<b>Subtotal Part-03</b>						<b>26775.10</b>	
<b>Part-04 Earthing and Automatic sliding Doors &amp; MISC</b>							
16	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	2.00	794.87		Kgs	1589.74	

Sr no.	Item	Quantity	RATE	Unit	AMOUNT
			Rs. Ps.		Rs. Ps.
17	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
18	Dismantling/Reinstalled of Existing Sliding Door, Channel Set, Cover, GP90 Reader, All type of Door Hardware Material, All sorts of Cables and other related accessories; as per Engineer-in-Charge.	4.00	10100.00	Nos	40400.00
<b>Subtotal Part-04</b>					<b>652880.16</b>
<b>Total Electrical work Part (01+02+03+04) =</b>					<b>708347.34</b>
<b>ATotal Civil + Electrical</b>					<b>3850213.74</b>

**SIGNATURE OF THE CONTRACTOR WITH SEAL.**

**Executive Engineer  
BRTS Project  
Surat Municipal Corporation**