

**SURAT MUNICIPAL CORPORATION
TRAFFIC-BRTS PROJECT CELL**

SCHEDULE-B					
NAME OF WORK :- ANNUAL RATE CONTRACT FOR CIVIL MAINTENANCE AND REPAIRING IN BRTS BUS SHELTERS, CITY BUS STOPS AND BUS DEPOTS IN WEST (RANDER) ZONE, NORTH (KATARGAM) ZONE AND CENTRAL ZONE IN SURAT CITY.					
Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
1	Demolition including stacking of serviceable materials with all lead and lift. (i) RCC Work	5.00	1110.75	C.M.	5,553.75
2	Demolition and disposal of unserviceable materials with all lead and lift. (D) Plain Concrete.	5.00	639.72	C.M.	3,198.60
3	Demolition of brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) On Cement Mortar.	5.00	577.92	C.M.	2,889.60
4	Dismantling steel work including distempering and stacking the materials with all lead and lift.	5.00	3.85	KG	19.25
5	Dismantling of sheet roofing including ridges, Hips, Valleys, Gutters etc. stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.				
	(i) G.I. sheet roofing.	5.00	50.11	S.M.	250.55
6	Dismantling tiles of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.				
	(i) Kota stone flooring and steps	5.00	50.11	S.M.	250.55
	(ii) Marble	1.00	50.11	S.M.	50.11
	(iii) Tiles flooring / Dedo	5.00	50.11	S.M.	250.55
	(iv) Granite flooring and steps	1.00	50.11	S.M.	50.11
	(v) Paver block flooring	5.00	10.10	S.M.	50.50
7	Excavation for foundation including 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				
	(1) Up to 1.5 Mt. depth	10.00	212.52	C.M.	2,125.20
	(2) 1.5 to 3.0 Mt. depth	10.00	235.05	C.M.	2,350.50
8	Providing & laying cement concrete 1:4:8 (1 cement:4 coarse sand:8 graded stone agg. 40 mm nominal size) & curing comp. excl.cost of form work in (A) Foundation and Plinth	10.00	2769.69	C.M.	27,696.90
9	Providing & laying cement concrete 1:2:4 (1 cement:2 sand:4 graded stone agg. 20 mm nominal size) & curing comp. Includ. cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete.	5.00	3741.69	C.M.	18708.45
10	Providing & laying C.C 1:3:6 (1cement :3 coarse sand : 6 Crushed stone agg 20mm Nominal size) & curing comp. excl. cost of form work in : (a) foundation & Plinth	5.00	3095.25	C.M.	15,476.25
11	Providing & laying cement concrete 1:1.5:3 (1 cement:1.5 sand:3 graded stone agg. 20 mm nominal size) & curing comp. Includ. cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete.	10.00	4250.50	C.M.	42,505.00
12	Providing & laying ordinary cement concrete 1:1.5:3 (1cement:1.5sand: 3 graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Includ. Cost of form work but excl. cost of reinforcement for R.C.C. Work in : Up to G.L./P.L. (A) COLUMNS:				
	(1) Having c/s area up to 0.08 sq.mt	1.00	12844.32	C.M.	12,844.32
	(2) Having c/s area more than 0.08 sq.mt. & upto 0.12 sq.mt	2.00	11166.97	C.M.	22,333.94
	(3) Having c/s area more than 0.12 sq.mt.	1.00	9201.68	C.M.	9,201.68
	(B) BEAMS :				
	(1) Having c/s area up to 0.08 sq.mt	1.00	9102.61	C.M.	9,102.61
	(2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt	2.00	8174.41	C.M.	16,348.82
	(3) Having c/s area more than 0.12 sq.mt.	1.00	7086.88	C.M.	7,086.88

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
13	Providing & fixing IS Mark TMT Bar FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. upto G.L./P.L.	100.00	77.29	KG	7,729.00
14	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 - fine sand) (C) Fly Ash Bricks	15.00	4441.11	C.M.	66,616.65
15	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.	10.00	136.92	C.M.	1,369.20
16	Providing and applying 20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1- sand) etc. complete.	100.00	347.42	S.M.	34,742.00
17	Providing & laying ordinary cement con. 1:1.5:3 (1cement : 1.5sand : 3 graded graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl. cost of form work but excl. cost of reinforcement for R.C.C. Work in : (A) COLUMNS:				
	(1) Having c/s area up to 0.08 sq.mt. - Ground Floor	2.00	12844.32	C.M.	25,688.64
	(2) c/s area more than 0.08 sq.mt. & upto 0.12 sq.mt - G.F.	2.00	11166.97	C.M.	22,333.94
	(3) Having cross sectional area more than 0.12 sq.mt. - G.F.	2.00	9201.68	C.M.	18,403.36
	(B) BEAMS :				
	(1) Having c/s area up to 0.08 sq.mt. - Ground Floor	2.00	9102.61	C.M.	18,205.22
	(2) Having c/s area more than 0.08 s.m. & upto 0.12 s.m - G.F.	2.00	8174.41	C.M.	16,348.82
	(3) Having cross sectional area more than 0.12 sq. mt. - G.F.	2.00	7086.88	C.M.	14,173.76
	(C) SLABS :				
	(1) Slabs having more than 8 cm and upto 10 cm Th'. - G.F.	2.00	7984.42	C.M.	15,968.84
	(2) Slabs having more than 10 cm & upto 13 cm Th'. - G.F.	2.00	7396.96	C.M.	14,793.92
	(3) Slabs having more than 13 cm Thickness - G.F.	2.00	6813.01	C.M.	13,626.02
	(D) LINTELS: -- G.F.	2.00	9982.37	C.M.	19,964.74
	(E) CHHAJJAS: -- G.F.	2.00	5576.81	C.M.	11,153.62
18	Providing & laying ordinary cement con.1:1.5:3 (1 cement : 1.5 sand : 3 graded graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl.. Cost of form work but excl. cost of reinforcement for R.C.C. Work in : (A) Stair Case are including Landing- Ground floor	1.00	7698.11	C.M.	7,698.11
	(B) Vertical and horizontal fins-Ground Floor	1.00	11613.07	C.M.	11,613.07
19	Providing & fixing IS Mark TMT Bar FE 500d reinforcement for R.C.C. Work incl. bending, binding & placing in position etc.comp. --- Ground Floor	250.00	77.29	KG	19,322.50
20	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	20.00	4729.83	C.M.	94,596.60
21	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	30.00	712.81	S.M.	21,384.30
22	Providing & Applying 10 mm.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	50.00	199.28	S.M.	9,964.00
	(B) For ceilings & soffits of stairs-Ground Floor	25.00	225.34	S.M.	5,633.50
23	Providing & Applying 15mm.th. cement plaster in single coat on brick/ concrete walls similar surfaces for plastering & finished even & smooth with a floating coat of cement slurry mixed with admixture of lime or neeru in required proportion etc. comp. in C.M 1:3 (1 cement : 3sand) (A) For wall and similar surfaces -- Ground Floor	50.00	249.39	S.M.	12,469.50
24	Providing 20 mm thick double coat mala cement plaster on brick / concrete work for plastering comprising of base coat 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete.	50.00	286.10	S.M.	14,305.00

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
25	Providing throating or plaster drip and moulding it to R.C.C. chajja etc. comp.. For all floor	5.00	43.74	R.M.	218.70
26	Providing 20 mm deep finished groove in plaster in line and level etc. Comp. For all Floor (M.R.)	5.00	50.00	R.M.	250.00
27	Preparing surface, providing and applying 30mm thick aggregate plaster in 1:4 base coat (15mm thick) ven & smooth coats for external surfaces including adding of waterproofing compound of Sika, Fosroc, CICO as per manufacturer's instructions and second and finishing coat of 15mm thick in cement mortar mixed with aggregates/ stone chips of approved shade, colour and mix in 1:1:1 (1cement : 1 sand : 1 stone chips with dolomite powder), necessary scaffolding (double legged) without making holes in walls, making surface rough, curing, making sharp and clear grooves, drip moulds, patta - patti, zari filling in between joints of brick and RCC surfaces by raking up the joint and preparing joints by pointing / grouting square crushed aggregates as per design and details as directed and to the satisfaction of the Engineer in Charge etc. Complete at all levels. The rates shall include for applying of Zycoseal or any other weatherproof transparent coating of approved make on the aggregate plastered surface. The item includes base coats of rough plaster including grooves as per details / design / pattern.	20.00	568.63	S.M.	11,372.60
28	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	40.00	1019.39	S.M.	40,775.60
29	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.	40.00	1130.79	S.M.	45231.60
30	Providing and laying in position 30mm thick well dressed River finish rough Green Kota stone in flooring, benches and skirting of 75mm flushed with wall plaster surface etc, (including chipping and chasing in wall) of required size and pattern as specified by Engineer in Charge.and details over 20mm thick bedding of cement mortar 1:5 and jointed with grey cement slurry mixed with pigment to match the shade of the stone slab including rubbing and edge polishing, tools and tackles complete at all levels as directed to the satisfaction of the Engineer in charge. Rates inclusive of cleaning with water and oxalic acid. River finishing of the kota stones shall be done only by experts using excellent quality Du pont make or abrasives and wire brush of different numbers at factory level before bringing the same to site. The kota stone surface shall not have any kind of protruding layers on its surface and shall have a more or less even kind of granular rough texture and shall be non-slippery. Samples shall be approved well in advance prior to use. The rates shall be inclusive of river finishing process and no extra shall be paid for samples given for approvals. The exposed edge of the stone shall be of uniform thickness and polished with providing groovesas specified by Engineer in Charge.	10.00	803.95	S.M.	8,039.50
31	Providing & laying granite slab 18mm thick in flooring, treads of steps and landing laid on bed of 20mm thick cement mortar 1:6 (1 Cement : 6 coarse sand) or lime mortar 1:1.5 laid and finished with flush pointing in white or colour cement including rubbing and polishing complete. (Basic Rate:- Rs.1347.46/S.M.)	1.00	2,410.00	S.M.	2,410.00
32	Providing & laying granite slab 18mm thick in skirting, risers of steps, dedo and pillars laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) and finished with flush pointing in white or colour cement including rubbing & polishing comp.. (Basic Rate:- Rs.1347.46/S.M.)	1.00	2,449.00	S.M.	2,449.00
33	Providing & laying granite slab 18mm thick in Window-Door seal Frame Etc laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) with nessary adhesive material and finished with flush pointing in white or colour cement, including rubbing & polishing comp.. (Basic Rate:- Rs.1000.0/S.M.)	1.00	2,026.00	S.M.	2,026.00
34	Labour Charges For Edge Finished For Granite	1.00	43.43	R.M.	43.43

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
35	Providing & laying Vitrified tiles of 8mm thick of Orient, Kajaria, Jhonson, Nitco, Somani, Bell, Asian or Euro make in flooring,treads of steps & Landing laid on bed of 20 mm (Average) base of cement mortar 1:6 (1 Cement : 6 Coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. comp.Size 24" x 24" For Antiskid tiles	1.00	1467.72	S.M.	1,467.72
36	Providing and laying Vitrified tiles 8 to 10 mm thick, 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finishing with flush pointing in white cement.	10.00	1092.37	S.M.	10,923.70
37	Providing and laying Vitrified tiles 8 to 10 mm thick, 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with white cement slurry.	10.00	1135.80	S.M.	11,358.00
38	Providing and laying chequered precast concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors treads of steps and landing on 20mm thick bed of C.M. 1:6 (1 cement : 6 sand) or L.M. 1:1.5 (1 Lime putty : 1.5 sand) jointed with neat cement slurry with pigments to match the shade of the tiles.	200.00	545.76	S.M.	109,152.00
39	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.	25.00	228.00	R.M.	5,700.00
40	For rounding at the edge of footpath (For fanning portion)	5.00	274.00	R.M.	1,370.00
41	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.	100.00	553.00	S.M.	55,300.00
42	Removing and resetting existing paver block, including all watering leveling, cleaning, labour & Equipments charges etc. complete as per details in tender specification & as directed by engineer in charge..	100.00	102.00	S.M.	10,200.00
43	Removing & resetting existing readymade c.c. kerb stone of required size & thickness in line level and in truly vertical position including filling joints in C.M. 1:1 (1 part of cement : 1 part of coarse sand) inclining watering etc. complete and as directed by engineer in charge	50.00	56.00	R.M.	2,800.00
44	Providing & Fixing U-PVC pipe (SWR) confirming to IS no. 13592 (Type "B") of Prince/Supreme/Jain/Astral/Tulsi/Finolex make for soil and waste discharge system at all floor levels incl. All fixtures like bends, tees, shoe etc. jointed with resin of approved brand & manufacture etc. comp. (M.R.)				
	(a) 75mm Dia	15.00	412.00	R.M.	6,180.00
	(B) 110 mm. Dia.	25.00	444.00	R.M.	11,100.00
45	(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 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 operations to be down in order and as directed and specified by the engineer-in-charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm. (Cement consumption 0.511 Bags / S.M.)	50.00	511.00	S.M.	25,550.00

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
46	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.	50.00	779.70	S.M.	38,985.00
47	Providing & Applying specifically developed to form flexible water proof seals in cracked reinforced concrete with infiltration of water (sealing pipe work which passes through concrete) - mode of measurement up to 6mm thick in linear mm.				
	Process: Removing all dust & clean upper surface of pipe & inner surface in concrete hole apply sweel chemical on all periphery & both sides making same that the boundary formed is at last 5cm, cut off the tip of the nozzle according to the size of bead required, and pierce the membrane under the nozzle. insert the cartridge in an extrusion gun and apply the product directly into concrete or element to be sealed.	50.00	434.35	Nos.	21,717.50
48	Providing corrugated G.I. Sheets of class-3 roofing fixed with galvanized iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses. (1) 0.63 mm thick sheet. (Tata / Jindal or equivalent)	10.00	1,016.00	S.M.	10,160.00
49	Providing & Fixing Polycarbonate sheet roofing with surface of the sheet is coated with an anti-UV Co-extrusion layer having good weather resistance, it can maintain its optical properties and mechanical performance for a long time. Fastening is usually done by screws., The fastening screws should be inserted about 500 mm apart and 300mm apart Along the supporting internal purlin and edge pulin. All fixing holes with diameter at least 2 mm larger than screw must be predrilled into each screw location. The screws should be 6mm diameter with length according to sheet thickness and corrosion resistant, with at least heavy duty hot dripped galvanized or stainless steel. Excluding the cost of purlins rafter and trusses.				
	(a) 1.5 mm thick Solid Sheet	25.00	1261.00	S.M.	31,525.00
	(b) 2 mm thick Solid Sheet	25.00	1510.00	S.M.	37,750.00
50	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-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	50.00	450.00	KG	22,500.00
51	Repairing, erecting and placing in position Structural Stainless steel pipe section for making the structural support railings, Stainless steel flats, seats, framing, etc. including cutting, making holes, argon arc welding and bolting wherever necessary including accessories fixing hardware. All welded joints to be grinded and cleaned and finished as satin finish including buffing. Completed as directed. All SS material to undergo spectro ananlysis confirming to 304 L grade. (Only actual finished measurements will be paid for ;physically measurable after the completion of the work). All pipes to be nonmagnetic. Stainless steel to have minimum of 8% Nickel. (Jindal/Chowksi/ Ratnamani/Asian make). Any junction with M.S. plate and stiffners, etc to be done with argon arc welding. Satin finish sample to be approved by the consultant. All grinding and polishing to be done with uni-directional finishes where polishing must be carried out in the direction of pattern of the rest of the satin finish surfaces.Pipe to pipe joining to be done with a spigot. Contractor shall submit report of testing of welded sections for 304L grade stainless steel.	150.00	56.00	KG	8,400.00
52	Providing and Fixing Hollow steel Sections Framed Work including Cutting, Hoisting, Welding & Fixing in position Purlin, Main Chord etc. as per Engineer- in-charge.TATA / JINDAL / ASIAN Make	100.00	126.00	KG	12,600.00
53	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.	2.00	9108.48	Qtl.	18,216.96
	(B) For work like chain link fencing, above compound wall etc.	2.00	9108.48	Qtl.	18,216.96
	(C) in trusses & trussed purlins upto 25m.Span & 15m. Overall height	0.00	10197.11	Qtl.	-

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
54	Fabricating, supplying, cutting, bending, fixing and assembling frames etc using aluminium sections of JINDAL / HINDALCO / NARMADA / BANCO make of thickness and fixed to MS framing, concrete members etc with S.S.screws in counter sunk/ S.S. rivets, S.S washers, SS anchor bolts, cleats, hangers etc and other necessary accessories and hardware complete as specified by Engineer in Charge. (Only finished measurements will be paid for, M.S. framing shall not be part of this item.) The rate shall include 20 micron anodising of approved shade. The sheet type will be finalised by the consultant. The rates shall be inclusive of rubber gaskets and all other hardware. Cutting and making of framing etc shall be done by experts. The rates shall be inclusive of all mechanized tools, cutters, bending machine work, grinders etc.	50.00	535.00	KG	26,750.00
55	Providing and fixing Aluminium Composite Panel of Alum Decor, Indobond & Flexibond make to all surfaces 4mm thick in required colours of exterior consisting of two layers of aluminium skins of 0.25mm thick sandwich in a thermo plastic core in continuous lamination process with PVDF coating of exterior grades ensuring long life colour and fungal resistance. Base frame work with aluminium sections shall be fixed over the all surfaces, ACP shall be fixed to the frame work as cladding it includes cost of labour, materials, accessories, adhesive, scaffolding, wastages, transport, taxes, fixing into a neat finish in aesthetic point of view, without any undulations in facias all complete as per instructions of the Engineer in charge.	200.00	1310.98	S.M.	262,196.00
56	Providing, erecting and fixing in position structural steel sections of Yst 310 grade of TATA, Kamdhenu, Jindal of Asian confirming to IS:4923 purlins, roof trusses, columns, side runners, ties, bracings, framing etc, including all types of base plate, gusset plate, cap plate, bearing plate, stiffener, cleats etc. complete and structural steel confirming to IS:226 including necessary pipes, rolled joists, channels, angles, tees, MS flats, angle cleats, gusset plate, bright bars, chequered plates, cross plates as per required thickness including cutting, welding, riveting as per structural details and good engineering practice grinding and cleaning the members as specified by Engineer in charge. (only finished measurements shall be paid for billing purpose). No extra payment shall be made for grouting that has to be done under the base plate to get full bearing on supporting sub strata. The paint shall be oil paint in three coats to get an even look over a coat of red lead paint as per the instruction of the engineer-in-charge. The rate shall also be inclusive of screws, bolts, nuts, washers, hinges, pivots etc.	50.00	90.47	KG	4,523.50
57	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.	25.00	2825.98	S.M.	70,649.50
58	Providing and fixing in position as per designs 10mm thick toughened glass of required diameter with diamond polished edges of Asahi, Modiguard make. The glass shall be firmly fixed to the base surface using structural silicon of Dow Corning or Wacker make. The contractor shall ensure that the base surface is thoroughly cleaned prior to fixing of glass and the assembly shall be made completely water tight. The contractor shall check for water tightness and provide a certificate for the same. The work shall be executed to the complete satisfaction of the Engineer in charge and the work area shall be made totally clean on completion of the work.	50.00	4082.44	S.M.	204,122.00
59	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.	150.00	929.00	Nos.	139,350.00
60	Providing & fixing 35mm.th. Flush Door Solid Double Core type Both Face water proof Ply Vennered & 1.5 mm th. laminate shall be pasted on both side with adhesives as specified by the manufacturers. The laminate shall be as per approved shade & texture, of make incl. Sal wood frames of finished size 12cm x 7cm.incl. S.S. Hinges with nessary screws & Anodized aluminum fixtures & fastenings For all Floor	1.00	3,720.00	S.M.	3,720.00
61	Same as Above But Without Frame	1.00	2520.00	S.M.	2,520.00

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
62	Providing and fixing FRP FRAME size 125 x 65 mm and 35 mm thick FRP shutter with wood grain raised paneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S.hinges with fastener sleeve & alluminium fixtures & fastenings.	1.00	2,019.98	S.M.	2,019.98
63	Providing & fixing M.S. Grills of required pattern to wooden frames of windows etc. At all floor levels with M.S. flats at required spacing & frame around square or round bars with round headed bolts & round headed bolts and nuts or by screws incl. Priming coat of Red lead paint etc. comp. (A) Plain grill For all Floors	10.00	109.41	KG	1,094.10
64	Repairing & servicing of existing door/window including cost of hardware (fevicol, Nail and NF screw etc.) but excluding cost of fixtures as directed by Engineer in-charge.				-
	(A) Partly panelled and Partly glazed alluminium door	5.00	372.00	Nos.	1,860.00
	(B) Alluminium shutter	5.00	372.00	Nos.	1,860.00
65	Providing and Replace door, Window S.S. Fixtures fix in wooden / Alluminium door - window with ISI marks as per approved by engineer in charge.				-
	(A) S.S. Door / window hinges 4x1"x1"	25.00	84.78	Nos.	2,119.50
	(B) S.S. Aldrop 20 Cm long of ASIS 304 Grade	25.00	248.26	Nos.	6,206.50
	(C) S.S. Aldrop 25 Cm long of ASIS 304 Grade	25.00	357.83	Nos.	8,945.75
	(D) S.S. Aldrop 30 Cm long of ASIS 304 Grade	25.00	430.58	Nos.	10,764.50
	(E) S.S. Handle for door/ window 10 Cm size of ASIS 304 Grade	25.00	84.78	Nos.	2,119.50
	(F) S.S. Handle for Door 15 Cm size of ASIS 304 Grade	25.00	106.17	Nos.	2,654.25
	(G) S.S. Stopper 20 Cm long of ASIS 304	25.00	157.53	Nos.	3,938.25
	(H) S.S. Stopper 30 Cm long of ASIS 304	25.00	212.32	Nos.	5,308.00
66	Dismantling, Cutting & Refixing aluminium partition door Providing with necessary Hardware & Rubber gasket etc. complete as per instruction by engineer in charge.	80.00	580.75	S.M.	46,460.00
67	Providing & Fixing door closer Ozon / Dorma / Hyper / Hardwin / Godrej Alluminium body ISI brander equivalent make with necessary hardware materials etc. complete as per instruction by engineer in charge. (Door closers (Heavy type of 765 number) Hardwire or Everite Prabhat or Equivalent.(M190, Page No.13 R&B SOR)	10.00	761.14	Each.	7,611.40
68	Providing & Fixing floor spring make Hyper / Hardwin / Godrej / Ozon / Dorma equivalent ISI make with necessary hardware materials complete as per instruction by engineer in charge. Floor spring heavy duty (M-704, Page No. 27 R&B SOR)	15.00	2266.00	Each.	33,990.00
69	Providing and fixing G.I. chain link of 50mm x 50mm size x 10 guage thick with nuts, bolts, washer or G.I. pins, excluding M.S. angles etc. complete as per relevent IS specification & directed by engineer in charge. (TATA or Jindal Make)	0.00	311.00	S.M.	-
70	Providing and fixing and fitting TATA or Jindal make G.I. barbed wire fencing with necessary barbed wire (12 x 14 guage, weight not less than 0.14 kg. / mt.) pins, hooks, excluding M.S. angles etc. complete as per relevent IS specifications & as directed by engineer in charge.	0.00	125.00	KG	-
71	Providing and fixing rebar of following diameter using chemical grout of Swanchore/Hilti/Fischer or equivalent make including cost of all equipments, tools, material, labour, etc. Standard procedure as mentioned in manufacturer's specifications shall be strictly followed, which shall be submitted and got approved from the authority prior to start of work. The rate shall also include cost of drilling of hole of required diameter and depth as mentioned in manufacturer's specification, cleaning the hole with required air blower and other necessary tools and tackles, positioning, providing and grouting chemical, allied fixtures and fasteners, etc. but excluding the cost of reinforcing bar etc. complete. Item includes necessary scaffolding, staging, labour, tools and equipments, etc. complete as directed by the engineer-in- charge.				
	(a) 8mm	1.00	80.00	No.	80.00
	(b) 10mm	1.00	90.00	No.	90.00
	(c) 12mm	1.00	125.00	No.	125.00
	(d) 16mm	1.00	190.00	No.	190.00
	(e) 20mm	1.00	340.00	No.	340.00

Item No.	Description	Quantity	Rate (Excl. GST)	Unit	AMOUNT
	(f) 25mm	1.00	500.00	No.	500.00
72	Removing old damaged MDF sheet with insulation glasswool from the wall and Providing and fixing New MDF Sheet-10mm.thick including glasswool insulation 50mm thlck with all necessary fixtures, fittings & Labour, complete as per drawing / instruction of Engineer in charge.	20.00	2125.00	S.M.	42,500.00
73	Removing old damaged Cement sheet from the existing flooring and Providing and fixing New Cement sheet-20mm. thick with all necessary fixtures, fittings & Labour, complete as per drawing/instruction of Engineer in charge.	50.00	1375.00	S.M.	68,750.00
74	Providing & Applying Surface Water Proofing treatment on existing Water proofing. (1) Cleaning Surface Slab up to Mother slab & free from any Loose Material. Paint, Dust, Greaze or Remove all existing bituminous Coating Completely. It is recommended to use intense wise brushing on high speed Water jet for through Cleaning. (2) The Substrate must be checked for its Soundness using Small hammer. All Cracks at corner joint, Channels and Parapet Should be Properly treated. (3) Cracks/construction joints treatment: Opening the cracks/construction joints,if any, in V/U shape using electrically operated cutting machine. Cleaning the surface thoroughly from dust and loose partical using wire brush and air blower. Filling the cracks if any with polymer modified cement mortar hybrid PU Sealant depending on the width of crack/joint. (4) Epoxy primer:The Epoxy primer must be applied on clean and dry surface by mixing base and hardner in equal proportions with the help of strirrer and adding equal amount of water and appling on the surface at 80-100 grams per sqmt and allowed it to dry untill tack free. (5) Hybrrid polyurea part-A(base) and part-B(hardner) are packed in two separate containers having the correct predetermined mixing ratio by weight.Stir individual container separately,Part-A and PArt-B very well, to get	50.00	494.00	S.M.	24,700.00
75	Aluminum section Window opening and refixing with all necessary fix & fiting etc maid in wisely.	50.00	481.00	S.M.	24,050.00
76	RCC Core Cutting is about making precise, circular cuts for creating holes of required diameters for Rehabilitation in civil works. The core drilling rod is fitted with diamond pieces at the drilling end. The core cutting machine can be used for both horizontal and vertical hole making purposes				
	(i) 75mm - 110mm	1.00	286.00	No.	286.00
	(ii) 150mm	1.00	428.00	No.	428.00
			TOTAL		22,93,259.43

SIGNATURE OF THE CONTRACTOR.

**EXECUTIVE ENGINEER
TRAFFIC - BRTS PROJECT CELL
SURAT MUNICIPAL CORPORATION**