

SCHEDULE - B

Name of Work: CSR Proposal for Construction of Education Building of Boys Hostel managed by Shri Kalavad

Taluka Meghavar Seva Samaj Education & Cheritable Trust in Kalavad, Jamnagar

PART- A (Civil Work)

Item no.	Discription of Item	Quantity	Unit		Rate		Amount
			In Fig.	In Word	In Fig.	In Word	
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	162.58	1 m3				
2	Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre).	32.76	1 m3				
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	182.60	1 m3				
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	28.36	1 m3				
5	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately)..All works upto plinth level	45.27	1 m3				
6	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately). .All works upto Floor V level	102.41	1 m3				

7 (a)	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	79.76	1 m2				
7 (b)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	13.20	1 m2				
7 (c)	Suspended floors, roofs, landings, balconies and access platform	458.73	1 m2				
7 (d)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	271.08	1 m2				
7 (e)	Columns, Pillars, Piers, Abutments, Posts and Struts	308.73	1 m2				
7 (f)	Stairs, (excluding landings) except spiral-staircases	23.00	1 m2				
8	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto floor five level Thermo-Mechanically Treated bars of grade Fe-500D or more.	21498.45	1 kg				
9	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand :12 graded stone aggregate 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand)	45.00	1 m3				
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	133.16	1 m3				
11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level . Cement mortar 1:3 (1 cement :3 coarse sand)	50.07	1 m2				
12	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	1288.66	1 m2				
13	15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand)	521.26	1 m2				
14	Providing and fixing 18 mm thick gang saw cut, mirror polished,premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size,approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement,mixed with matching pigment, epoxy touch ups, including rubbing, curing,moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade (Area of slab over 0.50 sqm)	47.36	1 m2				

15	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	333.81	1 m2				
16	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades (except burgundy, bottle green, black) of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. Wall Tiles size 300X 600	119.59	1 m2				
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1288.66	1 m2				
18	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	1288.66	1 m2				
19	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	87.36	1 m2				
20	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm	521.26	1 m2				
21	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	38.18	1 m2				
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	38.18	1 m2				
23 (a)	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters including 11nd class teak wood lipping of required width and thickness of 12mm. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	41.60	1 m2				

24 (a)	Providing and fixing stainless steel fixtures of approved make with SS screw etc. complete. Aldrops 300x16 mm Size	14	Each				
24 (b)	Aldrops 250x16 mm Size	8	Each				
24 (c)	Door Latch 250x16x5 mm Size	22	Each				
24 (d)	Handle 150 mm	49	Each				
24 (e)	Handle 125 mm	30	Each				
24 (f)	Handle 100 mm	15	Each				
24 (g)	Tower Bolts 200 mm Size	16	Each				
24 (h)	Tower Bolts 100 mm Size	8	Each				
25	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	22.00	Each				
26	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	572.76	1 kg				
27	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	144.00	1 m				
28	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion	153.71	1 kg				
29	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 8 mm thickness	26.30	1 m ²				

30	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge. Upto 5mm depth and 5 mm width	73.60	1 m				
31	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	7000.00	1 Ltr				
32	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00	Each				
33	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	2.00	Each				
34	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with CP bras flush fittings, with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required .	2.00	Each				
35	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with C.P. brass flush fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required.	2.00	Each				
36	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	4.00	Each				
37	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia (Flexible pipe)	4.00	Each				

38	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in -charge.	2.00	Each				
39	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore.	15.00	Each				
40	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	15.00	Each				
41	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore	4.00	Each				
42	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	4.00	Each				
43 (a)	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	10.00	Each				
43 (b)	125 mm nominal dia with 25 mm waste hole	15.00	Each				
44	Providing and fixing Stainless Steel towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement complete, as per direction of Engineer in Charge.	5.00	Each				
45	Providing and fixing Stainless Steel towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement complete, as per direction of Engineer in Charge. 600 mm long towel rail with total length of 645 mm,width 78 mm and effective height of 88 mm	4.00	Each				
46	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	4.00	Each				
47	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	4.00	Each				
48 (a)	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. (for Internal Work) 20 mm nominal outer dia Pipes	50.00	1 m				
48 (b)	25 mm nominal outer dia Pipes	100.00	1 m				
48 (c)	32 mm nominal outer dia Pipes	30.00	1 m				
49 (a)	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	10.00	Each				
49 (b)	20 mm nominal bore	5.00	Each				

49 (c)	32 mm nominal bore.	5.00	Each				
50	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	10.00	Each				
51	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :100 mm inlet and 100 mm outlet. Sand cast iron S&S/ PVC as per IS: 3989	5.00	Each				
52	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 150 mm dia. R.C.C. pipe for Drainage line And storm Water drain	30.00	1 m				
53	Providing and fixing 100 mm sand cast Iron grating for gully trap.	4.00	Each				

PART- B (Electrical Work)

Item no.	Discription of Item	Quantity	Unit		Rate		Amount
			In Fig.	In Word	In Fig.	In Word	
1	Providing and fixing concealed wiring for modular light/tube bell/exhaust fan point with PVC insulated single core standard copper conductor wire , as per the tech. Specification no 01.	100.00	Each				
2	Providing and fixing concealed wiring for single phase sub-circuit from the main switch / meter / DBs / MCBs to the switch board as per the Tech. Specification No. 2 . With 3 x 2.5 sq,mm copper conductor (single phase , neutral & earth)	50.00	1 m				
3	Providing and fixing concealed wiring for single phase sub-circuit from the main switch / meter / DBs / MCBs to the switch board as per the Tech. Specification No. 2 . With 3 x 4 sq,mm copper conductor (single phase , neutral & earth)	50.00	1 m				
4	Providing and fixing concealed wiring for modular Fan point with PVC insulated single core standard copper conductor wire , as per the tech. Specification no 03.	22.00	Each				
5	Supply at site following type of decorative ceiling fan with all accessories , as per Approved Make list as per the Tech. Specification No. 8 . A) 1200 mm sweep ceiling fan with electronics regulator.	22.00	Each				
6	Supply & Installation of following type distribution board complete with nos. TP , DP, SP MCCB's & ELCB , TPN DB , IP42 degree of protection . The DB shall be made from special grade of CRCA sheet and powder coated . The DB shall be fitted with Bus bar , DIN Rail and neutral link as per Tech. Specification No. 17 . 16 Way Double Door Distribution Box with providing , 01 No. MCB 63 amp. TPN . 02 Nos. 32 Amps DP , 10 nos. SP up to 6-10 amps , 01 Nos ELCB.	2.00	Each				

7	Supplying and preparation earthing station , chemical treated back filled compound earthing system with Pipe-in- pipe 30-40 mm Dia. Gi type 3 Mtr Depth , Maintenance free as per Tech . Specification no 18	1.00	Each				
8	Providing and connecting following type earth flat for earth station to equipments as per requirement as per Tech. Specification No. 19 . A) 8 SWG GI earthing wire	50.00	1 m				
9	Supply at site 4 core , LT armoured aluminium conductor XLPE cable of 1.1 KV grade of the following type & size as per Tech. Specification No 20 . A) 4 Core , 35 sq.mm	50.00	1 m				
10	Laying cable at site , through various route up to 50 sq.mm LT armoured aluminium conductor XLPE cable of 1.1 KV grade of the following type & size as per Tech. Specification No 21 (c) . Cable laid , by providing & erection box type FRP Tray 150mm width..	50.00	1 m				
11	Supply , Installation , testing & Commissioning of concealed/surface wiring as per site situation for inverter connecting all the main rooms light & fans . Complete with labour and material and as per the tech. Specification no 23	1.00	Each				

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