

Name of Work-Construction/Upgradation of Secondary Schools,BRC Bhavan,ALS Hostel, KGBV at various Location in VALSAD district.

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
1	Demolition of Brick work and stone masnoary including stacking of sericeable materials and disposal of unsericeable materials with all lead and lift. (ii) in cement mortar	19.42	550.40	Cmt.	10688.768
2	Dismantalling tiled or stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	919.68	48.21	Smt.	44337.7728
3	Removing and scraping of old deteriorated plaster of any thickness from wall/RCC member including staking of serviceable material and disposal of unserviceable materials from site work with all lead and lift	462.71	19.57	Smt.	9055.2347
4	Dismantling Doors / windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachments and staking all with all laead and lift. (A) Not exceeding 3.0 Sq.mt. area	9.00	187.71	Nos.	1689.39
5	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall and ceiling surface smooth including necessary repairs to scratches complete.	10476.00	11.30	Smt.	118378.8
6	Scraping oil paint from steel and other metal surface and making the surface even (with Hand Scraping)	1478.93	49.32	Smt.	72940.8276
7	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	1438.22	117.08	Cmt.	168386.4229
8	Filling with the available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering.	157.86	130.39	Cmt.	20582.73953
9	Filling foundation and plinth with murrum or selected soil in layers of 20 cm. thickness inculding watering, ramming and consolidation etc. complete.	67.18	289.06	Cmt.	19419.0508
10	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundationand plinth in Cement Mortar 1:6. (1- Cement : 6 -finesand)(C) Fly Ash Bricks	223.35	4348.45	Cmt.	971238.4832
11	Brick work using common burnt clay building bricks having crushing strength not less than 35Kg./Sq.Cm. for superstructure in cement mortar 1:6(1 cement :6 fine sand) including curing etc. complete. (C) Fly Ash Bricks For all heights and all floor	438.17	4623.43	Cmt.	2025831.679
12	Providing & laying Cement Concrete 1:4:8 (1 Cement :4 Coarse sand :8 hand broken stone aggregates of 40mm nominal size) in plinth and curing complete including cost of formwork. (A) Foundation and Plinth - At plinth level	158.84	2680.21	Cmt.	425720.2681
13	Providing and laying cement concrete 1:5:10 (1- Cement : 5- Coarse sand : 10- hand broken stone aggregates 40 mm nominal size) and curing complete including cost of formwork in (A) Foundation and Plinth	6.47	2517.44	Cmt.	16287.8368
14	Providing & laying Cement Concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 graded stone aggregate 20 mm nominal size) & curing complete including cost of form work (A) Foundation and Plinth - Below Tie beam, Plinth protection & surface leveling work.	16.77	3683.34	Cmt.	61769.6118
15	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Coping Vertical and horizontal for all floor (Cement Level 360 Kg)	98.94	6192.77	Cmt.	612717.618
16	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts all floor (Cement Level 360 Kg)	14.13	6795.85	Cmt.	96055.26224

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17	Providing I.S.I. T.M.T Bars Fe.500D steel reinforcement (ISI mark) Confirmed to IS-1786 for R.C.C.work including Cutting, bending, binding and placing in position etc. complete.For all floors	36619.84	76.21	Kg.	2790797.884
18	Providing 10mm thick cement plaster in single coat on on brick/concrete walls & Ceilling & Soffit of stair interior plastering in cement mortar 1:4(1 cement 4 sand) watering, curing etc. complete.For all floors	188.76	140.95	Smt.	26605.722
19	Providing 15mm thick cement plaster in single coat on rough or fair side of single or half brick wall for interior plastering in cement mortar 1:4(1 cement 4 sand) watering, curing etc. complete.For all floors	6484.09	196.62	Smt.	1274901.54
20	20mm thick sand faced cement plaster on walls above ground level consisting of 12mm thick backing coat of cement mortar 1:3(1 cement 3 sand) and 8mm thick finishing coat of cement mortar 1:1(1 cement 1 sand) watering, curing etc.complete for any Height.	243.88	300.66	Smt.	73324.9608
21	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete. The rate shall be including of providing two coats of primer of approved brand and manufacturer on new wall surfaces to give and even shade including throughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	9784.13	114.53	Smt.	1120576.271
22	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on wall surfaces to give an even shade, over and including applying one coats of Birla (White Cement based) or Asian (acrylic lapy) or equivalent and a priming coat of whitening after thoroughly brooming the surface free from mortar dropping and other foreign matter and sand paper smooth. The rate shall be including scraping and old deteriorated of existing paint.	7205.54	89.44	Smt.	644463.4976
23	Painting two coats (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt,oil, grease,dirt, dust and other foreign matter	1478.93	65.31	Smt.	96588.9183
24	Providing and laying 25mm thick polished Kota stone flooring/staircase treads (two pieces with three groves in front of steps) over 20mm (average) thick base of cement mortar 1:6 (1 cement 6 coarse sand) laid over and jointed with grey cement slurry including curing, rubbing, and polishing etc. complete.	168.04	965.59	Smt.	162257.7436
25	Providing & fixing average 25mm thick Double polished Kota stones for shelves in cup board, seating plat form, including curing, rubbing, polishing etc. complete. (As directed by Engineer in charge)	19.34	796.89	Smt.	15411.8526
26	Providing and laying 18 mm thick mirror polished black granite stone machine cut in single piece (Max. available) in sill and jambs laid over 10 mm thick cemen mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing half rounding edge both side etc. complete colour and shed as approved by architect engineer in charge. (As directed by Engineer in charge)	7.20	2060.06	Smt.	14832.432
27	Providing & Laying Broken China Mosaic flooring for plain & curve surface 12mm to 20mm of broken piece of ceramic tiles or Glazed tiles (one or more colour as directed by Engg. In charge) to be laid over cement mortar bedding of CM 1:3 to plain or and slopes and to be tempered to bring mortar cream up to and colour pigment including rounding of junctions and extending them pu to 15cms along the wall and curing with bends any patterns of designs as per deawing or directions including cleaning with water and oxilic acid using 1 kg / 1 bag of water proofing materials.	687.09	747.29	Smt.	513455.4861

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
28	Providing cement vata (10 cm X 10 cm size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete Respectly plaster activity shall be commenced only after completion of vata work.	132.04	23.68	Rmt.	3126.7072
29	Providing & fixing in position mild steel door with ventilation frame 40x40x6 mm and shutter frame 35x35x5mm ,75x5 mm ms flate at lock rail,10 mm square bar in vent at10 cm c/c covered with corrugated ms sheet 0.6 mm thick, including applying a priming coat of read lead paint including cleanen the surface of all dirt, dust and other foreign matter (As directed by Engineer in charge& approved drawing and design etc.)	31.35	3693.19	Smt.	115781.5065
30	Providing & fixing in position mild steel window with ventilation frame 35x35x5 mm and shutter frame 25x25x5mm ,10 mm square bar grill at10 cm c/c covered with corrugated ms sheet 0.6 mm thick,including applying a priming coat of read lead paint including cleanen the surface of all dirt, dust and other foreign matter (As directed by Engineer in charge& approved drawing and design etc.)	33.83	4101.31	Smt.	138747.3173
31	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filed up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. 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 necessary screws & alluminium fixtures & fastenings & fastener sleeve.	31.50	2377.76	Smt.	74899.44
32	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	18.14	1713.70	Smt.	31086.518
33	Steel work, M.S Grill, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	3750.40	90.48	Kg.	339336.192
34	Providing & fixing G.I rain water Spout of 65mm dia and 60cm length.	14.00	717.46	Nos.	10044.44
35	Painting of logo on front side wall as directed by Engineer in charge and as per approved drawing.	16.20	429.65	Smt.	6960.33
36	Providing and laying white glazed tiles 6mm thick 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.	71.22	917.25	Smt.	65326.545
37	Providing and laying white glazed tiles 6mm thick in skirting, riser of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3 coarse sand) and jointed with white cement slurry.	54.72	1073.90	Smt.	58763.808
38	Providing and fixing Chicken mesh jali (22 gauge) 15cm wide at the junction of 2 different surfaces of different material component at the time of plastering to prevent cracking in plaster surface as and where directed at all floors with all leads and lifts etc.complete.	188.80	38.77	Rmt.	7319.776

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
39	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete.(E) 100mm thick	27.90	809.92	Smt.	22596.768
40	Providing and fixing in position collapsible steel shutters with vertical channels 20 x 10 x 2 mm braced with flat iron diagonals 20 x 5 mm size with top and bottom rails of T_rin 40x 40 x 6 mm with 38mm dia, steel pulleys complete with bolts,nuts, locking arrangements, stoppers handles including applying a priming coat of red lead paint.	20.50	1048.56	Smt.	21495.48
41	Providing and fixing of highly durable precoated Roofing Sheets having high quality color coating throughout the roof and having minimum 0.6 mm thickness .The Color Coated sheet Roofing fixed with galvanized iron /color powder coated J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or color powder coated limpet washer. filled with white lead complete as per approved sample and color as directed by engineer in charge	127.41	1098.53	Smt.	139963.7073
42	Providing ridges or hips 600 mm overall in precoated G.I. sheet class-3 fixed with G.I.J. or L Hooks and nuts 8mm dia G.I. Limpet and bitumen washer complete. (1) 0.60 mm thick sheet.	19.80	990.31	Smt.	19608.138
43	Providing and fixing 150mm wide 450mm over all semicircular plain G.I.sheet class-3 gutter with Iron brackets 40mm x 3mm size Bolts, Nuts, washers etc. including making necessary connection with rain water pipes. (i) 0.60 mm thick Sheet.	27.00	953.49	Smt.	25744.23
44	Providing and supplying small dust bin (Green,Blue,Red,Black yellow,) 7 Litres as directed by Engineer in charge, Approve Make-Cello, Aristo, Nayasa	24.00	277.75	Nos.	6666
45	Providing and supplying big dust bin (Green,Blue,Red,Yellow) 20 Litres as directed by Engineer in charge Approve Make- Cello, Aristo, Nayasa	14.00	444.40	Nos.	6221.6
46	Providing and supplying big dust bin (Green,Blue,Red) 50 Litres as directed by Engineer in charge Approve Make- Cello, Aristo, Nayasa	8.00	555.50	Nos.	4444
47	Providing and laying controlled cement concrete M.200 for curing complete including cost of formwork and excluding cost of reinforcement for reinforced concrete work in (a) Foundations, footings Bases of columns and the like and Mass concrete work in footing. (Cement Level 360 Kg)	424.03	4091.08	Cmt.	1734748.835
48	Providing and laying controlled cement concrete M.200 for curing complete including cost of formwork and excluding cost of reinforcement for reinforced concrete work in Plinth Beams. (Cement Level 360 Kg)	169.61	5795.76	Cmt.	983035.0817
49	Construction of a soak well of as per the approved drawing & design etc.in all sort of soil complete as directed and approved by engineer incharge.(The internal In-to-in dimension shall be considered for calculation)	8.14	5718.39	Cmt.	46547.6946
50	Construction of a septic tank as per the approved drawing & design etc.in all sort of soil complete as directed and approved by engineer incharge. (The internal In-to-in dimension shall be considered for calculation)	15.00	10326.49	Cmt.	154897.35
51	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	40.00	186.83	Nos.	7473.2
52	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (ii) 20mm dia.	10.00	214.81	Nos.	2148.1

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
53	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	4.00	3175.32	Nos.	12701.28
54	Providing and fixing wash down water closet (European type W.C pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 fine sand) (seat cover,Jet spray & Flush Tank to be measured Including) (A) Vitreous China (I) Long pattern white as directed and approved by engineer incharge.	6.00	2175.38	Nos.	13052.28
55	Providing and fixing water closet squatting pan (Indian type W.C pan) size 580 mm (earthwork, bed concrete, foot rests,Flush Cock and trap to be measured and including paid) (A) Vitreous China (I) Long pattern white as directed and approved by engineer incharge.	4.00	1371.38	Nos.	5485.52
56	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	4000.00	3.95	Liters	15800
57	Providing & fixing UPVC ball valve(A) 40mm dia.	2.00	1687.71	Nos.	3375.42
58	Providing & fixing UPVC ball valve(A) 25mm dia.	2.00	650.84	Nos.	1301.68
59	Providing & fixing UPVC ball valve(A) 15mm dia.	3.00	440.56	Nos.	1321.68
60	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	4.00	1292.19	Nos.	5168.76
61	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	18.00	558.36	Nos.	10050.48
62	Providing & fixing 110mm dia PVC cowl vent to pipes.	3.00	19.70	Nos.	59.1
63	Providing & fixing 75mm dia PVC cowl vent to pipes.	3.00	30.81	Nos.	92.43
64	Providing laying and jointing in true line and level 40mm dia.U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent,including cost of all materials.	298.00	148.12	Rmt.	44139.76
65	Providing laying and jointing in true line and level 25mm dia.U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent,including cost of all materials.	217.00	91.84	Rmt.	19929.28
66	Providing laying and jointing in true line and level 15mm dia.U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent,including cost of all materials.	85.00	72.65	Rmt.	6175.25

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67	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working pressure PVC pipes of the following out side dia. Special density complete with special flange compression type fitting,wall clips etc. including making good the wall ceiling and floor.(G) 110 mm dia	298.00	275.73	Rmt.	82167.54
68	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working PVC pipes of the following out side dia. Special density complete with special flange compression type fitting,wall clips etc. including making good the wall ceiling and floor.(F) 75 mm dia	92.00	138.65	Rmt.	12755.8
69	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete..[ii] 25 mm	28.00	263.77	Nos.	7385.56
70	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	418.61	1073.13	Smt.	449222.9493
71	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.(e) in existing pipe erected flushed on wall/ceiling complete Cat. III	40.00	350.47	Pt.	14018.8
72	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(e) in existing pipe erected flushed on wall/ceiling complete,Cat. III	32.00	489.85	Pt.	15675.2
73	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board(e) in existing pipe erected flushed on wall/ceiling complete,Cat. III	18.00	364.61	Pt.	6562.98
74	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessoriesCat. III	72.00	241.39	Pt.	17380.08
75	Providing and erecting ISI mark embossed Medium class RIGID PVC PIPES (F.R.L.S.)of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (a) 20 mm	520.00	23.23	Rmt.	12079.6
76	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe.(b) 2 wire 2.5 sq. mm	430.00	59.59	Rmt.	25623.7

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77	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,(E) in existing pipe,(a) 2 wire 4 sq. mm	198.00	82.82	Rmt.	16398.36
78	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,(E) in existing pipe,(i) 4 wire 10 sq. mm (use earth wire of 4 sq. mm)	63.00	380.77	Rmt.	23988.51
79	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.),(A) Tube Light with integral driver,(ii) 20 Watts, Surge - 2KV,IP-20, conventional 4 feet,Cat-III	40.00	295.93	Nos.	11837.2
80	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.),(ii) 48 to 60 Watts,Cat-III	9.00	4997.48	Nos.	44977.32
81	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark , Cat.III	45.00	112.11	Nos.	5044.95
82	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door,(ii)8 way (IP-43)	3.00	1152.41	Nos.	3457.23
83	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.),(ii) 40Amps. FP , Cat. III	9.00	2637.11	Nos.	23733.99

