

NAME OF WORK : **PROPOSED CONSTRUCTION OF LIBRARY BUILDING AT VERATH VILLAGE, TA: MANDVI ,DIST.SURAT**

BILL OF QUANTITIES					
Item No.	Description of Item (With brif Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
1	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 (I) 0 To 1.5 mt. Depth	139.50	CMT.	122.93	17,148.74
2	Excavation for foundation upto 1.5 m to 3.0 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 (II) 1.5 To 3.0 MT Depth	34.00	CMT.	136.47	4,639.98
3	Filling available excavated earth (Including rock in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering)	147.50	CMT.	136.91	20,194.23
4	Providing & filling in plinth with murrum or yellow soil or selected soil in layers of 20 cm. Thickness. Incl. watering, ramming & consolidation etc. complete.	39.00	CMT.	301.77	11,769.03
5	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete (A) Foundation and plinth	13.00	CMT.	481.80	6,263.40
6	Providing and laying cement concrete 1:2:4 (1-Cement : 2- coarse sand : 4- hand Machine crushed stone aggregates 40 mmnominal size) and curing complete including cost of formwork in (A) PCC	22.50	CMT.	3923.85	88,286.63
7	Providing and laying controlled cement concrete M.250 and curing complete inculding the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in foundation, footings base of column and mass concrete. (A) Footing	17.00	CMT.	4494.50	76,406.50
8	Providing and laying controlled cement concrete M.250 and curing complete inculding the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in All Types of Column D) Column, Pillers, posts and struts , upto Plinth	4.00	CMT.	8226.45	32,905.80
9	Providing and laying controlled cement concrete M.250 and curing complete inculding the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in All Types of Column D) Column, Pillers, posts and struts, upto All Floor.	7.50	CMT.	8246.27	61,846.99
10	Providing and laying controlled cement concrete M.250 and curing complete inculding the cost of formwork but Excluding the cost of the cost of reinforcement for reinforced concrete work in Beams. (E) Beam, upto Plinth	7.00	CMT.	6440.77	45,085.39
11	Providing and laying controlled cement concrete M.250 and curing complete inculding the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in All Types of Beams,(E) Beam, upto All Floor.	8.00	CMT.	6460.59	51,684.68

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
12	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in All Types of Slab, All Thickness (C) Slab upto Plinth and upto All Floor.	16.00	CMT.	6407.06	1,02,512.88
13	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in All Thickness in Walls PARDI All Floor.	0.50	CMT.	6794.27	3,397.14
14	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in Lintel upto All Floor.	1.50	CMT.	6005.08	9,007.61
15	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork but Excluding the cost of reinforcement for reinforced concrete work in Chajja. upto All Floor.	1.00	CMT.	6223.24	6,223.24
16	Providing and fixing TMT bars Fe-500D steel reinforcement for R.C.C. work including binding, bending and placing in position complete upto floor two level ,Ground Floor, First Floor , Second Floor, Third Floor, Terrace Floor (all floor).	6302.50	Kg .	78.78	4,96,510.95
17	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordene and Chlorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	129.00	SMT.	124.28	16,032.12
18	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/sqcm. in foundation and plinth in cement mortar 1:6 (1 cement :6 fine sand) etc.comp. (B) Conventional All Floor	40.50	CMT.	4524.80	1,83,254.40
19	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in (B) Conventional All Floor	8.50	SMT.	688.82	5,854.97
20	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or Full/half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand) All Floor	260.50	SMT.	173.72	45,254.06
21	Providing & laying 10 mm. thick cement plaster in single coat on fair side of ceilings for interior plastering upto floor two level and finishing with smooth mala plaster.(i) Cement mortar 1:4 (1 cement : 4 sand) All Floor	129.00	SMT.	159.58	20,585.82

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
22	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. Upto All Floor	234.00	SMT.	315.68	73,869.12
23	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	16.00	RMT.	44.27	708.32
24	Providing 20 mm deep finished groove in plaster in line and level etc. Comp. For all Floor	16.00	RMT.	35.35	565.60
25	Providing and laying polished Granite Slab 18mm thick in Flooring laid 20mm thick Cement Mortar 1:4 (1-Cement : 4-Coarse Sand) and jointed with Grey Cement Slurry including full molded round front edges , rubbing and polishing etc. complete.	6.50	SMT.	2377.54	15,454.01
26	Providing and laying polished Granite Slab 18mm thick in Risers of steps Dedo, window sill, jembs and pillars laid 10 mm thick Cement Mortar 1:4 (1-Cement : 4-Coarse Sand) and jointed with Grey Cement Slurry including full molded round edges , rubbing an	27.00	SMT.	2408.85	65,038.95
27	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. PVT. Tiles in All Rooms.	108.50	SMT.	1120.36	1,21,559.06
28	Providing and laying Vitrified tiles 8 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 Soluble Salt PVT. Tiles in All Rooms.	35.00	SMT.	1195.02	41,825.70
29	Providing and fixing 37 mm thick flush door both sides laminated and shutter fabricated from 35 mm thick solid core malemine faced three layered pre laminated flat pressed wood based exterior grade bonded BWP/BWR synthetic resin having stamped IS 12823 gra	8.50	SMT.	4230.89	35,962.57
30	Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter having extra reinforcement on sides & edges in polish finish. The core of the shutter & frame is to be filed up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & finitures. 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 S.S fixtures & fastenings & fastener sleeve.	3.50	SMT.	2615.04	9,152.64

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
31	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt , horizontal Three track member size 92mm x 31.75mm x 1.30mm,@ Wt.1.07 Kg/mt , vertical member of size 92mm x 31.75mm x 1.50mm @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/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	7.50	SMT.	1583.95	11,879.63
32	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ 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.	5.63	SMT.	1713.69	9,648.07
33	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm (Wt. 0.643 Kg/mt) with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	3.00	SMT.	1175.55	3,526.65
34	Providing and fixing M.S. grill of required pattern of windows etc. with M.S.. flats at required spacing and frame around square or round headed bolts and nuts or by screws.including applying a priming coat of red lead paint and two coats of oil painting	125.44	Kg.	117.16	14,696.55
35	Applying two coats of Birla (white cement based) or (acrylic lapy- putty) or equivalent & 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 foreign matter and sand papered smooth. with Wall painting (three 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.	260.50	SMT.	124.94	32,546.87

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
36	Applying two coats of Birla (white cement based) or (acrylic lapy- putty) or equivalent & two coats of primer of approved brand and manufacture on new Ceiling surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. Ceiling painting (three coats) with plastic emulsion paint of approved brand and manufacture on undecorated Ceiling surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	129.00	SMT.	130.63	16,851.27
37	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. Priming: Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. Application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint	234.00	SMT.	160.59	37,578.06
38	Applying priming coat over new steel and other metal surface after and including preparing the surface by thoroughly cleaning, oil,grease, dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead. and Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including clean the surface of all dirt, dust and other foreign matter.	2.50	SMT.	128.62	321.55
39	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 and joints channels angles, column, tees, flats with connecting plates or angle cleats as in	0.11	Quintal	9108.48	1,024.70
40	Providing and laying cement concrete flooring 1:2:4 (1cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	129.00	SMT.	339.07	43,740.03
41	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm 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	129.00	SMT.	779.69	1,00,580.01
42	Providing and fixing Stainless Steel railing having 50 mm dia hollow stainless steel pipe as hand rail and 32 mm dia hollow stainless steel pipe with combination of 10 cm long 16mm dia pipe as per vertical supports 20 mm dia hollow stainless steel pipes H	4.00	RMT.	3101.71	12,406.84

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
43	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) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour, Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia.porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour, Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover, With Jet spray heavy duty with S.S. Braided hose 60 cm long.	2.00	No	4327.52	8,655.04
44	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.,Providing and fixing pillar tap,	2.00	No	2461.70	4,923.40
45	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	4.00	No	599.63	2,398.52
46	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia.	4.00	No	186.82	747.28
47	Providing and fixing Urinal or approved quality including connecting the Urinal with waste pipe , tap etc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm. ,including cutting holes and making good the Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.,Providing and fixing Angle tap,	1.00	No	1348.60	1,348.60
48	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden plug with C.P. brass screws and washers.	2.00	No	859.40	1,718.80
49	Providing and fixing Gun metal check or non-return fullway wheel valve. 25mm. dia.	1.00	No	420.63	420.63
50	Providing and fixing Gun metal check or non-return fullway wheel valve. 40mm. dia.	1.00	No	663.42	663.42
51	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia.	2.00	No	263.77	527.54
52	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (A) 25mm. dia.	1.00	No	132.88	132.88

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
53	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.	10.00	RMT.	72.64	726.40
54	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.	21.00	RMT.	91.83	1,928.43
55	Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	19.00	RMT.	878.56	16,692.64
56	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	1.00	No	1246.91	1,246.91
57	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating with frame complete.	1.00	No.	2017.19	2,017.19
58	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.	2.00	No	2932.92	5,865.84

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1	3	2	6	4	7
59	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete. (B) 150 mm d	8.00	RMT.	257.18	2,057.44
60	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(C) 250 mm di	8.00	RMT.	359.84	2,878.72
61	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(D) 300 mm di	8.00	RMT.	678.02	5,424.16
62	Providing & fixing G.I. Rain water spout of 50 mm.dia & 30 cm length etc.	2.00	No.	101.90	203.80
63	Providing and fixing in position cowel went to pipes.(C) 100mm dia	2.00	No.	505.17	1,010.34
64	Providing erecting and fixing double coated PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	500.00	Lit	3.94	1,970.00
65	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/ metallic/ white front plate modules erected on/ in wall / ceiling as per pipe erected, with necessary Lamp holder/ ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III	21.00	Pt.	485.81	10,202.01
66	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/ Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III	8.00	Pt.	674.68	5,397.44

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1	3	2	6	4	7
67	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC/ Metallic/ Wooden box, single mounting base frame covered with textured / metallic/ white front plate modules erected on/ in wall/ ceiling with following type accessories Cat. III	6.00	Pt.	257.55	1,545.30
68	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (1)One No. SP 6 Amp. Cat.III	2.00	Nos	151.50	303.00
69	(2) One No 5 pin plug Cat.III	2.00	Nos	151.50	303.00
70	(9) 16 Amp. SP one way switch Cat.III	6.00	Nos	180.79	1,084.74
71	(10) 6/16Amp. Universal socket Cat.III	6.00	Nos	199.98	1,199.88
72	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) With medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	96.00	Mtr.	82.82	7,950.72
73	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories (a) 2 wire 4 sq. mm	128.00	Mtr.	112.11	14,350.08
74	(h) 4 wire 6 sq. mm	20.00	Mtr.	260.58	5,211.60
75	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC/ Metallic concealed/ open box with single mounting base frame covered with textured/ metallic/ white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat. III	7.00	Nos.	1133.22	7,932.54

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
76	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 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 (iv) 22-24 Watts, Surge - 2KV, IP-20, conventional 4 feet Cat.III	18.00	Nos.	373.70	6,726.60
77	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (A) LED Lamps integral type, with PC diffuser suitable LAMP holder (ii) 5 to 8 watts Cat-III	3.00	Nos.	112.11	336.33
78	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. conforming to IS 8828/1996 with ISI Mark Cat.III	12.00	Nos.	112.11	1,345.32
79	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (c)63 Amp. Cat.III	2.00	Nos.	737.30	1,474.60
80	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs. (The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (a) single door (IP-30) (i) 4 way	1.00	Nos.	355.52	355.52
81	(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (i) 4 way	1.00	Nos.	2339.16	2,339.16
82	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V, 50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP Cat. III	3.00	Nos.	2235.13	6,705.39

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
83	Providing and erecting Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire.	1.00	Nos.	368.65	368.65
84	For using salt and charcoal / coke as required for pipe type earthing.	1.00	Nos.	171.70	171.70
85	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge]	8.00	Nos.	1596.81	12,774.48
86	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	8.00	Mtr.	108.07	864.56
87	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	8.00	Nos.	108.07	864.56
88	Providing & fixing & making Table LxBxH (1.20 x 0.60 x 0.75) using Ply Wood ISI Brand Using IS 710 Plywood (8mm, 10mm, 12mm, 19mm, & 25mm) Top with All side square top for superior quality table with thickness of 25 mm.All the outer & Inner surface cover by I.S.I. brand Sunmica of Formica , silicone ,bloom green or equivalent & inner 1.5mm thick Laminate Sheet silicone or bloom or equivalent Brand.using drawer channel of Hetich brand & handle s.s. matt & drawer lock , including S.S Screws , necessary hardware etc. complete including necessary polish, hardware and labour etc. As per attached drawing & instructed by in charge Consultant. key board tray, CPU stand Ebaco Brand, drawer cabinet, horizontal - vertical cable cover, LEG frame)	1.00	No	14180.40	14,180.40
89	Providing and fixing of OFFICE CHAIRS of pvc base and armrest,40 density high mould foam in seat and back,or mesh, pu upholstery,multi funtional mechenism, bifma class IV gas lift and p.a castors,REVOLVING chairs as per the specified company of HOF, Feather light, Wipro, Godrej etc.as per selection and complete the work satisfactorily as per instruction of architect or Engineer-in charge	1.00	No	3393.60	3,393.60

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
90	<p>Providing and placing of Study Chair With Extra Support Of Pips Must Be required For Long Time Usage Chair Overall Size (approx): H-83 x W-52 x D- 60 (cm)</p> <p>Material Description: Seat & Back: Seat & back from hot mould plywood of minimum 12 mm thickness of ergonomic design to avoid back pain. Cushioning: PU foam having density of 40 kg for back and 50kgs/m3 for seat. Average thickness of foam not less than 50 mm + 10 mm Polly foam.</p> <p>Tapestry: Minimum average weight required 400to490 gms per sq. mtr,with average weight of 450 grams per square meter</p> <ul style="list-style-type: none"> • Frame structure: 4 legs type Frame and handle for arm rest from ERW prime quality tube of 14 swg, reinforced at all bends for static and impact load with cushioning effect , • Finishing: All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the Engineer incharge during pre-dispatch Inspection. • Product Should be Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMA X 5.1-2002 Cl. No. 5,7,8,12,13,17 on functional requirement. Certificats Should be submitting With Supply ,Without certificats Product Will Not Be Accepted.All work must be done As per Architect Drawing & 	40.00	No	2373.50	94,940.00
91	<p>Providing & Fixing single Modular Reading table</p> <p>Table Size 900 x 610 x 760 with 1370mm high partition and extra shelf for bags</p> <p>Table top made with 19mm thick Semi water proof plywood of ISO 303, with all sides border of 40 mm thick in 19mm thick ply wood, single side seating system , with extra book shelf above top , foot rest, All outer surfaces are to be laminated with 1.0 mm laminate and bottom of table are to be laminated with 0.80mm laminate sheet as approved by architect. Including all necessary hardware & fittings such as screw, buffer, bonding material etc.(Wall facing modular reading tables) . all work must be done As per Architect Drawing & Instructed By Site Engineer Table</p>	40.00	No	5090.40	2,03,616.00

Item No.	Description of Item (With brief Specification And Reference to Book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	3	2	6	4	7
92	Providing & Fixing single faced main unit and add on M.S. Book Rack multipurpose expandable storage rack in knock down design with Adjustable 3 shelves making 4 compartments of 20swg thick. TATA/Essar/Jindal CRCA sheet IS 513. Approximant size H-1524 X W-915 X D-380mm • Storage shelf of 22swg thick. TATA/Essar/Jindal CRCA sheet IS 513. • All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch inspection. • Bottom Frame of 25*25*1.21mm Thik, ERW Square MS Tube With Adjustable Stud .With Extra 2 Book Support On Each Shelf . all work must be done As per Architect Drawing & Instructed By Site Engineer	1.00	No	13291.60	13,291.60
					24,36,587.49

Rupees TwentyFour Lakh ThirtySix Thousand Five Hundred EightySeven Paise FourtyNine Only

I we am / are willing to carry out the work at % above/ Below percent (Should Be written in figures And words) of the estimated rate mentioned above. Amount of my / our tender works out as under.

Estimated Amount Put to tender. **24,36,587.49**
 Deduct..... % Below
 Net
 In Words

Estimated Amount Put to tender. **24,36,587.49**
 Deduct..... % Below
 Net
 In Words

NOTE :-

- (1) The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
- (2) The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
- (3) GST and Income tax TDS will be deducted at a source while making payments of bills
- (4) In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate

Signature of Bidder

**Deputy Executive Engineer
 Panchayat (R&B) Sub Division
 Mandavi**

**Divisional Accountant
 Panchayat (R&B) Division
 Surat**

**Executive Engineer
 Electrical (R&B) Division
 Surat**

**Executive Engineer
 Panchayat (R&B) Division
 Surat**