

SCHEDULE OF QUANTITY CIVIL WORK					
N/W	Renovation of 05 Nos of Type III quarters and 01 Nos of Type II quarters at SBRC, Rajkot				
SLNo	Description	Qty	Unit	Rate incl of CI and GST factor	Amount
1	CEMENT CONCRETE (CAST IN SITU)				
1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
1.1.1	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	27.00	cum	7,290.88	1,96,854.00
2	REINFORCED CEMENT CONCRETE				
2.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
2.1.1	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	27.00	cum	9,681.67	2,61,405.00
2.2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
2.2.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	2,160.00	kg	115.43	2,49,329.00
3	CLADDING WORK				
3.1	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.				
3.1.1	Granite stone slab colour black, Cherry/Ruby red				
3.1.1.1	Area of slab upto 0.50 sqm	52.00	sqm	5,794.07	3,01,292.00

3.1.1.2	Area of slab over 0.50 sqm	70.00	sqm	5,497.38	3,84,817.00
3.2	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	24.00	metre	508.98	12,216.00
3.3	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	6.00	each	1,047.29	6,284.00
3.4	Providing and fixing Ist 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.	200.00	sqm	1,357.09	2,71,418.00
4	WOOD AND P. V. C. WORK				
4.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
4.2.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	70.00	sqm	2,560.85	1,79,260.00
4.3	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
4.3.1	35 mm thick shutters				
4.3.1.1	With ISI marked stainless steel butt hinges of required size				
4.3.1.1.1	Second class teak wood	12.00	sqm	5,400.57	64,807.00
4.4	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm				

	with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :				
4.4.1	25 mm dia	66.00	metre	562.50	37,125.00
4.5	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
4.5.1	Fixed to openings /wooden frames with rawl plugs screws etc.	2,100.00	kg	255.11	5,35,731.00
4.6	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.	30.00	one set	443.32	13,300.00
4.7	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
4.7.1	1.0 mm thick	140.00	sqm	960.38	1,34,453.00
4.8	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	45.00	sqm	2,469.56	1,11,130.00

4.9	Providing and fixing ready made 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in- charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)	150.00	kg	570.74	85,611.00
5	STEEL WORK				
5.1	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.				
5.1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	480.00	kg	184.73	88,670.00
6	FLOORING				
6.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
6.1.1	25 mm thick	22.64	sqm	2,085.21	47,209.00
6.2	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	19.00	sqm	1,173.64	22,299.00

6.3	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
6.3.1	Double charge vitrified tile polished finish of size				
6.3.1.1	Size of Tile 600 x 600 mm	320.00	sqm	1,555.84	4,97,869.00
6.4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.				
6.4.1	Size of Tile 600x600 mm	38.00	sqm	1,737.15	66,012.00
6.5	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.				
6.5.1	Size of Tile 600x600 mm	320.00	sqm	330.78	1,05,850.00
7	FINISHING				
7.1	15 mm cement plaster on the rough side of single or half brick wall of mix :				
7.1.1	1:6 (1 cement: 6 fine sand)	300.00	sqm	409.92	1,22,976.00
7.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				

7.2.1	Two or more coats on new work	85.00	sqm	166.86	14,183.00
7.3	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.	1,500.00	sqm	167.02	2,50,530.00
7.4	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.				
7.4.1	Two coats	1,500.00	sqm	152.84	2,29,260.00
7.5	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
7.6	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1,500.00	sqm	26.92	40,380.00
8	REPAIRS TO BUILDING				
8.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
8.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	100.00	sqm	585.88	58,588.00
8.2	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	12.00	each	308.35	3,700.00
9	Dismantling and Demolishing				
9.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
9.1.1	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	27.00	cum	1,609.30	43,451.00

9.2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	27.00	cum	3,800.90	1,02,624.00
9.3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
9.3.1	Of area 3 sq. metres and below	84.00	each	393.01	33,013.00
9.4	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
9.4.1	For thickness of tiles 10 mm to 25 mm	300.00	sqm	78.56	23,568.00
9.5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	11.00	sqm	235.20	2,587.00
9.6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	60.00	cum	282.51	16,951.00
10	SANITARY INSTALLATIONS				
10.1	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	6.00	each	16,053.59	96,322.00
10.2	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
10.2.1	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	6.00	each	2,382.86	14,297.00

10.3	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
10.3.1	Kitchen sink with drain board				
10.3.1.1	510x1040 mm bowl depth 200 mm	6.00	each	7,662.28	45,974.00
10.4	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
10.4.1	Flexible pipe				
10.4.1.1	32 mm dia	12.00	each	127.95	1,535.00
10.5	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.	6.00	each	1,720.99	10,326.00
10.6	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	6.00	each	1,159.67	6,958.00
11	WATER SUPPLY				
11.1	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.				
11.1.1	20 mm nominal dia Pipes	30.00	metre	575.39	17,262.00
11.1.2	25 mm nominal dia Pipes	30.00	metre	671.35	20,141.00
11.1.3	32 mm nominal dia Pipes	6.00	metre	791.27	4,748.00
11.2	Providing and fixing brass stop cock of approved quality :				
11.2.1	15 mm nominal bore	12.00	each	378.08	4,537.00

11.3	Providing and fixing uplasticised PVC connection pipe with brass unions :				
11.3.1	45 cm length				
11.3.1.1	15 mm nominal bore	12.00	each	104.62	1,255.00
11.4	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :				
11.4.1	100 mm diameter	6.00	each	207.58	1,245.00
11.5	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
11.5.1	15 mm nominal bore	24.00	each	542.43	13,018.00
11.6	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
11.6.1	15mm nominal bore	24.00	each	614.67	14,752.00
12	ALUMINIUM WORK				
12.1	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) :				
12.1.1	For fixed portion				
12.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	430.00	kg	568.22	2,44,335.00
12.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				

12.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	430.00	kg	679.05	2,91,992.00
12.2	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):				
12.2.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	40.00	sqm	1,611.07	64,443.00
13	WATER PROOFING				
13.1	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	19.00	sqm	660.43	12,548.00
14	NEW TECHNOLOGIES AND MATERIALS				

14.1	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceostory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58- 60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In-Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately).				
14.1.1	Frame size 45 x 85 mm	60.00	metre	991.47	59,488.00
14.2	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)				
14.2.1	30 mm thick	24.00	sqm	4,652.27	1,11,654.00

14.3	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white color and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)				
14.3.1	25 mm thick	17.00	sqm	4,162.56	70,764.00
15	Non Schedule				
15.1	Providing and fixing Stainless Steel grating of approved quality and colour, rectangle type with openable circular lid 150 mm nominal size square, 100 mm diameter of inner hinged round grating.	24.00	each	579.05	13,897.00
15.2	Providing and fixing Nahani trap of rigid PVC of (approved make) for SWR pipes including lubricating etc. complete with door including cost of cutting and making good the wall and floors all complete. 100 mm	24.00	each	667.95	16,031.00
15.3	Providing and fixing stainless steel tower bolt of Size 300x10 mm of approved quality equivalent to Kich make (catalogue No. TBF3125) including fittings complete in all respect as per direction of Engineer-in-Charge	75.00	each	466.10	34,958.00

15.4	Providing and fixing SS 304 handle of Size 125mm of approved quality equivalent to Kich make (code PRCH425C) including fittings complete in all respect as per direction of Engineer-in-Charge.	100.00	each	108.10	10,810.00
15.5	Providing and fixing SS 304 aldrop of Size 200x16mm of approved quality equivalent to Kich make (code PRAD12608C) including fittings complete in all respect as per direction of Engineer-in-Charge.	80.00	each	627.20	50,176.00
15.6	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.	25.00	sqm	989.40	24,735.00
15.7	Providing and fixing Hand Shower (Health Faucet) having N.R.V (Back Flow Preventer) with 1 Meter Long Easy Flex Tube in Chrome Finish and Wall Hook of approved quality equivalent to Jaquar make (Catalogue code - ALD-565) conforming to manufacturer specification and as per direction of Engineer in - charge.	6.00	each	1,309.70	7,858.00
15.8	Providing and fixing matching touch lock of STAR or equivalent make for sliding window with necessary screws etc. all complete as per direction of Engineer-in-charge.	48.00	each	186.45	8,950.00
15.9	Credit for taking away dismantled wooden pannelled / Flush door shutter, PVC door shutters without frame - of area up to 3.0 Sqm, which shall be issued to the contractor and shall be cleared by the contractor from the site of work with all leads and lifts complete as directed by the Engineer-in-charge. [Dismantled material will be property of the Contractor]	36.00	each	425.00	-15,300.00
15.10	Credit for Taking away dismantled unserviceable steel windows, grills, M.S bars, G.I angles, M.S Flats, G.I Pipes, C.I Floor traps, etc. as per direction of Engineer-incharge. [Dismantled material will be property of the Contractor]	960.00	kg	30.00	-28,800.00
			Total		58,45,661.00

<u>SCHEDULE OF QUANTITY OF ELECTRICAL WORK</u>					
Name of Work - Renovation/Upgradation of Type-II- 01 Nos. and Type-III-05 Nos. Quarters at Special Bureau Rajkot. SH: Electrical work.					
SR No.	Description of Items	Qty	Unit	Rate	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
1.1	Group A	101	Point	1189.00	120089.00
2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
2.1	Group A	23	Point	687.00	15801.00
3	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	350	Mtr.	267.00	93450.00
3.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	500	Mtr.	373.00	186500.00
3.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	150	Mtr.	587.00	88050.00
3.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	80	Mtr.	482.00	38560.00

4	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 15 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required (For AC and Geyser)	23	Nos.	750.00	17250.00
5	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	6	Nos.	112.00	672.00
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	54	Nos.	545.00	29430.00
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	12	Nos.	757.00	9084.00
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	54	Nos.	659.00	35586.00
9	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
9.1	20 mm	50	Mtr.	151.00	7550.00
10	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
10.1	5/6 A switch	23	Nos.	121.00	2783.00

11	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
11.1	1 or 2 Module (75mmX75mm)	23	Nos.	354.00	8142.00
12	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	20	Nos.	47.00	940.00
13	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB / RCCB / Isolator)				
13.1	16 way , Double door	6	Nos.	3367.00	20202.00
14	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
14.1	Single pole	84	Nos.	285.00	23940.00
15	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
15.1	40A	6	Nos.	2512.00	15072.00
16	Supply and fixing of LED type lamp 9 W, Base cap B22, 4 KV surge protection, IP 20 , colour temperature 6500 K complete etc as reqd.	24	Nos.	136.00	3264.00
	Supplying and fixing brass batten/ angle holder including connection etc. as required.	24	Nos.	154.00	3696.00

17	Supplying installation testing and commissioning of 250 mm sweep non metallic body exhaust fan suitable for 1200 RPM to operate on 230 V single phase AC supply in the existing opening connection with 3 core 1.5 sq. mm FRLS PVC insulated copper conductor single core cable as required.	6	Nos.	1881.00	11286.00
18	Supplying, Installation, testing and commissioning of 300 mm heavy duty metal body exhaust fan 1200-1400 RPM suitable for 50 Hz, 220-240V single phase supply with Motor, arm-set, frame, blade, mounting accessories kit and 3x1.5 sq.mm copper conductor cable etc. as required.	6	Nos.	4819.00	28914.00
19	Brush Less Direct Current (BLDC) Fan with Remote				
	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required..				
19.1	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	23	Nos.	2882.00	66286.00

20	LED Batten light (System lumen efficacy $\geq 105 < 120$ lm/Watt)				
	Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency $> 85\%$, Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection, THD $< 10\%$, P. F. ≥ 0.95 , IP20, CRI > 80 , Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitary), of minimum 50000 Burning Hours with ,				
	70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K / 6000°K/6500°K (As per ANSI Bin), DCM(Standard Deviation Color Matching) < 3 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c connections with 1.5 sq mm FRLS,				
	PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy $\geq 105 < 120$ lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C).				
	Powder coated die cast / Extruded aluminium Body (Thickness ≥ 1.20 mm)				
20.1	18- 22 Watt	29	Nos.	681.00	19749.00

21	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy $\geq 105 < 120$ lm/Watt).				
	Supplying, Installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency $> 85\%$, Input voltage: Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5°C to 50°C , internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency $> 85\%$, THD $< 10\%$ as per IEC 61000-3-2, P. F. ≥ 0.95 , IP-66, IK-10, CRI > 70 , under voltage and over voltage protection, EMI-EMC as per CISPR -15, lenses for beam angle 30 deg-120deg as per the application and the project requirement., suitable tilt able fitting, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K / 6500°K (As per ANSI Bin) , SDCM (Standard Deviation Color Matching) < 5 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect				
	i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy $\geq 105 < 120$ lm/Watt output .LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted.. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above				

	90°C).				
21.1	100 watt	5	Nos.	2266.00	11330.00
22	Supply, Installation testing & commissioning of wall / ceiling mounting type 10-12 W LED Batten 2 feet Luminaire, 2 KV surge protection, IP 20 ,colour temperature 5500 - 6500 K having efficacy not less than 100 lm/W, rated life of L 70 @ 50000 hours, CRI ≥ 80 ,THD ≤ 10%, CRCA / aluminium body, inbuilt electronic driver, including connection with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as reqd.	6	Nos.	545.00	3270.00
23	Supplying installation testing & commissioning of 10 W Surface mounting type LED Bulkhead Luminaire, IP 66, colour temperature 5500-6500 K having efficacy not less than 100 lm/W, rated life of L 70 @ 50000 hours, CRI ≥ 80 , aluminium diecast housing, including 3 core 1.5 sq.mm FRLS PVC insulated and PVC sheathed copper conductor cable and earthing etc. as required.	6	Nos.	1788.00	10728.00
24	Supplying of ISI marked XLPE insulated PVC sheathed Aluminium conductor armoured cable as per IS 7098 (part- I), 1.1 KV grade of following size etc complete as required.				
24.1	3 core x 10 sq.mm size.	150	Mtr.	317.00	47550.00
25	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
25.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	50	Mtr.	64.00	3200.00
26	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/DWC pipe as required.				
26.1	Upto 35 sq. mm	80	Mtr.	47.00	3760.00

27	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
27.1	Upto 35 sq. mm	20	Mtr.	36.00	720.00
28	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
28.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	80	Mtr.	289.00	23120.00
29	Credit buy back including dismantling of electrical items of quarters (such as assorted sizes of wires in pieces, switch, sockte, box, regulator, electrical fittings etc.)				
29.1	Type II Quarter	1	Job	-1000.00	-1000.00
29.2	Type III Quarter	5	Job	-1500.00	-7500.00
				Amount	941474.00
Grand Total					67,87,138.00

Government of India Central Public Works Department				
NIT No.: 28/EE/RAJKOT/2026-27				
Renovation of 05 No. Type III Quarters and 01 No Type II Quarters at SBRC, Rajkot				
PRICE BID				
Name of the Contractor				
Name of Component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
Civil & Electrical Works	₹ 67,87,135/-			
GRAND TOTAL	₹ 67,87,135/-			
GRAND TOTAL IN WORDS				