

Electrical Estimate for providing Electrification to renovation of CANARA BANK , SME Branch at Panji & Panaji Branch

Date : 12.08.2025

SI No	DESCRIPTION OF WORK	Unit	QTY	RATE	AMOUNT
	Point wiring using Copper wire without switch.				
1	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
1.1	Short point upto 3Mtr from tapping point to out let via switch box (Refer KPWD SR 2023/24 Volume, VI Page 5 Sl. No. 2.2.1)	Point	10		
1.2	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box (Refer KPWD SR 2023/24, Volume VI ,Page 5 ,Sl. No. 2.2.2)	Point	18		
1.3	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box (Refer KPWD SR 2023/24 ,Volume VI ,Page 5 ,Sl. No. 2.2.3)	Point	10		
1.4	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches . (Refer KPWD SR 2023/24, Volume VI ,Page 5 ,Sl. No. 2.2.4)	Point	6		
	Open Conduit System				
2	Supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.				
2.1	19/20 mm dia 2 mm thick (Refer KPWD SR 2023/24 ,Volume VI ,Page 2 ,Sl. No. 1.1.1)	Mtr	200		
2.2	25 mm dia 2 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.2)	Mtr	200		
2.3	32 mm dia 2.5 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.3)	Mtr	30		
3	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.				
3.1	19/20 mm dia 2 mm thick (Refer KPWD SR 2023/24,Volume VI,Page 2,Sl. No. 1.3.1)	Mtr	75		
3.2	25 mm dia 2 mm thick (Refer KPWD SR 2023/24,Volume VI,Page 2,Sl. No. 1.3.2)	Mtr	50		
3.3	32 mm dia 2.5 mm thick (Refer KPWD SR 2023/24,Volume VI,Page 2,Sl. No. 1.3.3)	Mtr	20		
4	Supplying PVC flexible conduit pipe mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely				
4.1	20 mm (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.9.1)	Mtr	20		
4.2	25 mm (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.9.2)	Mtr	20		
4.3	32 mm (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.9.3)	Mtr	10		
5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS694:2010				
5.1	1.5 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.2)	Mtr	250		
5.2	2.5 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.3)	Mtr	600		
5.3	4 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.4)	Mtr	600		
5.4	6 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.5)	Mtr	200		

	Fan Box / Hook				
5.7	Supplying And Fixing "S" Hook made out of 14 mm dia M.S. Rod. (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.11)	Each	1		
5.8	Extra length of GI pipe of class B 19mm dia for down rod.(Refer KPWD SR 2023/24 Volume VI,Page 57,Sl. No. 13.12)	mtr	1		
6	SWITCHES, SOCKETS & ACCESSORIES.				
	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
6.1	1-2 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.1)	Each	45		
6.2	3 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.2)	Each	20		
6.3	4-5 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.3)	Each	1		
6.4	6 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.4)	Each	15		
6.5	8 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.5)	Each	1		
6.6	10-12 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.6)	Each	1		
6.7	16 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.7)	Each	1		
6.8	18 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.8)	Each	1		
7	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.				
7.1	1 to 2 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.1)	Each	45		
7.2	3 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.2)	Each	20		
7.3	4 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.3)	Each	1		
7.4	6 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.4)	Each	15		
7.5	8 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.5)	Each	1		
7.6	10-12 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.6)	Each	1		
7.7	16 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.7)	Each	1		
7.8	18 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.8)	Each	1		
8	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.				
8.1	6A One Way Switch (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.1)	Each	85		
8.2	6A Two Way Switch (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.2)	Each	UR		
8.3	6A Three Way socket . (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.3)	Each	60		
8.4	Stepped Fan Regulator Two Module . (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.4)	Each	1		
8.5	16A One Way Switch (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.7)	Each	1		
8.6	6A Bell Push (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.8)	Each	1		
8.7	32A DP switch . (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.9)	Each	1		
8.8	6/16A Universal Socket (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.10)	Each	2		
8.9	TV/Telephone Socket (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.11)	Each	11		
8.10	RJ45/I.O Outlet Cat-6 (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.12)	Each	11		
9	CONTROL SWITCH GEARS & ACCESSORIES.				
	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898				
9.1	6-32 A SP MCB (Refer KPWD SR 2023/24 Volume VI Page 17 Sl. No.5.18.1)	Each	15		
9.3	40 A DP,MCB (Refer KPWD SR 2023/24 Volume VI Page 17 Sl. No.5.18.5)	Each	1		
10	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board.				
10.1	16A-25A 2 pole (Refer KPWD SR 2023/24, Volume VI ,Page 18 ,Sl. No.5.20.1)	Each	2		
10.2	32-40A 2 pole (Refer KPWD SR 2023/24, Volume VI ,Page 18 ,Sl. No.5.20.4)	Each	1		
11	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure.				
	I - Single Door				
11.2	6 Way SP & N (Refer KPWD SR 2023/24, Volume VI, Page 18, Sl. No.5.19.2)	Each	1		
11.4	12 Way SP & N (Refer KPWD SR 2023/24, Volume VI, Page 18, Sl. No.5.19.4)	Each	3		
11.5	III - Double Door				
	4 Way TP & N -PDB (Refer KPWD SR 2023/24, Volume VI ,Page 18 ,Sl. No.5.19.11)	Each	1		

13	Supplying and fixing of metal clad industrial plugs and sockets				
	2pole+earth 250V PLUG				
13.1	16A (Refer KPWD SR 2023/24, Volume VI, Page 9, Sl. No.3.13.1)	Each	2		
13.2	2pole+earth 250V SOCKET (Refer KPWD SR 2023/24, Volume VI, Page 9, Sl. No.3.13.5)	Each	2		
14	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.				
14.1	16A Three Pin Top (Refer KPWD SR 2023/24, Volume VI, Page 10, Sl. No.3.14.13)	Eacg	1		
	NETWORKING & TELECOMMUNICATION. /CC TV				
15.0	Supplying and drawing PVC flexible TWO pair telephone unarmoured tinned copper cable.				
	2Pair (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.2.2)	Rmt	550		
16	Supplying and drawing UTP-CAT 6E LAN cable (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.1)	RMT	550		
17	Supplying and fixing of MDF krone junction box with KRONE Module / Telephone cable termination.				
	20 Pair (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.13.2)	RMT	1		
18	Supplying & Fixing of ... ms Cat 6 Patch Cable				
18.1	1 m (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.11.1)	Each	12		
18.2	2 m (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.11.2)	Each	12		
19	Supplying&Fixing of switch mounting rack with power manager & Cable manager.				
19.1	18U with 650mm depth (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.4.5)	Each	1		
20	Supplying & Fixing of Patch panel for LAN cabling				
20.1	24 Port 101100 patch panel (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.12.2)	Each	1		
21	Supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.				
21.1	19/20 mm dia 2 mm thick (Refer KPWD SR 2023/24 ,Volume VI ,Page 2 ,Sl. No. 1.1.1)	Mtr	100		
21.2	25 mm dia 2 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.2)	Mtr	100		
	Fixing Charges.				
22	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.				
22.1	On wall/ ceiling / Rafter / Girders (Refer KPWD SR 2023/24 ,Volume VI ,Page 56, Sl. No.13.7.1)	Each	35		
23	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 A. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.(Refer KPWD SR 2023/24, Volume VI ,Page 57 ,Sl. No.13.10)	Each	8		
24	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 A. ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire.(Refer KPWD SR 2023/24, Volume VI ,Page 57 ,Sl. No.13.14)	Each	4		
25	Supplying & Fixing Chemical earthing for grounding. Conduits, IC cut-outs & other equipments backfill compound which is noncorrosive, thermally conductive, potential to permissible limits, superior Fault conduction capacity, non toxic, weather resistance & capable of achieving ohmic value less than one ohm				
25.1	Using 10ft. Copper bonded rod with backfill compound (Refer KPWD SR 2023/24, Volume VI ,Page 55 ,Sl. No.12.60.3)	No	2		
26	GI/Copper strips for grounding connections, using necessary fixing materials as required.				
26.1	8SWG Copper wire -Market Rate	MTR	50		

B	Supply of Fixture/ Fans				
27	Supplying offeet -PVC Batten with integrated LED tube W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.				
27.1	LED light fitting 1 x 4' - 20/22 W- (Refer KPWD SR 2023/24, Volume VI ,Page 43, Sl. No.11.3.2)	Each	10		
27.2	LED light fitting 1 x 2' - 9/10 W (Refer KPWD SR 2023/24, Volume VI ,Page 43, Sl. No.11.3.1)	Nos	5		
28	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.				
28.1	48" Sweep (1200 mm) Regular model (Refer KPWD SR 2023/24, Volume VI ,Page 30, Sl. No.6.3.1)	Nos	1		
28.2	Supplying wall mounting fan suitable to operate at single- phase 230v AC. supply. 400 mm Sweep (Refer KPWD SR 2023/24, Volume VI ,Page 30, Sl. No.6.5.2)	Nos	8		
29	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.				
29.1	12" Sweep (300 mm) (Refer KPWD SR 2023/24, Volume VI ,Page 30, Sl. No.6.2.1)	Nos	4		
30	Supply of round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition.				
30.1	LED square or round down light 10-12W (Refer KPWD SR 2023/24, Volume VI ,Page 44, Sl. No.11.5.2)	Each	2		
30.2	LED square or round down light 15-18W (Refer KPWD SR 2023/24, Volume VI ,Page 44, Sl. No.11.5.3)	Each	2		
31	Supplying of recess mounting non integral type LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling clamps, Power LEDs with CCT 6500 degree K, CRI> 70%. efficacy > 100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.				
31.1	LED modular down light 2'x2' 36 W (Refer KPWD SR 2023/24, Volume VI ,Page 45, Sl. No.11.6.3)	Each	16		
	SUB TOTAL - MSME PANAJI				

Panaji branch

SI No	DESCRIPTION OF WORK	Unit	qty	rate	
	Point wiring using Copper wire without switch.				
1	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
1.1	Short point upto 3Mtr from tapping point to out let via switch box (Refer KPWD SR 2023/24 Volume, VI Page 5 Sl. No. 2.2.1)	Point	15		
1.2	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box (Refer KPWD SR 2023/24, Volume VI ,Page 5 ,Sl. No. 2.2.2)	Point	30		
1.3	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box (Refer KPWD SR 2023/24 ,Volume VI ,Page 5 ,Sl. No. 2.2.3)	Point	22		
1.4	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches . (Refer KPWD SR 2023/24, Volume VI ,Page 5 ,Sl. No. 2.2.4)	Point	15		
	Open Conduit System				
2	Supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.				
2.1	19/20 mm dia 2 mm thick (Refer KPWD SR 2023/24 ,Volume VI ,Page 2 ,Sl. No. 1.1.1)	Mtr	250		
2.2	25 mm dia 2 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.2)	Mtr	300		
2.3	32 mm dia 2.5 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.3)	Mtr	100		
3	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.				
3.1	19/20 mm dia 2 mm thick (Refer KPWD SR 2023/24,Volume VI,Page 2,Sl. No. 1.3.1)	Mtr	150		
3.2	25 mm dia 2 mm thick (Refer KPWD SR 2023/24,Volume VI,Page 2,Sl. No. 1.3.2)	Mtr	100		
3.3	32 mm dia 2.5 mm thick (Refer KPWD SR 2023/24,Volume VI,Page 2,Sl. No. 1.3.3)	Mtr	25		
4	Supplying PVC flexible conduit pipe mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely				
4.1	20 mm (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.9.1)	Mtr	25		
4.2	25 mm (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.9.2)	Mtr	25		
4.3	32 mm (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.9.3)	Mtr	10		
5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS694:2010				
5.1	1.5 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.2)	Mtr	450		
5.2	2.5 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.3)	Mtr	1,200		
5.3	4 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.4)	Mtr	800		
5.4	6 mm2 (Refer KPWD SR 2023/24,Volume VI,Page 5,Sl. No. 2.3.5)	Mtr	250		

	Fan Box / Hook				
5.7	Supplying And Fixing "S" Hook made out of 14 mm dia M.S. Rod. (Refer KPWD SR 2023/24,Volume VI,Page 3,Sl. No. 1.11)	Each	1		
5.8	Extra length of GI pipe of class B 19mm dia for down rod.(Refer KPWD SR 2023/24 Volume VI,Page 57,Sl. No. 13.12)	mtr	1		
6	SWITCHES, SOCKETS & ACCESSORIES.				
	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
6.1	1-2 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.1)	Each	65		
6.2	3 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.2)	Each	35		
6.3	4-5 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.3)	Each	2		
6.4	6 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.4)	Each	35		
6.5	8 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.5)	Each	2		
6.6	10-12 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.6)	Each	3		
6.7	16 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.7)	Each	1		
6.8	18 Way (Refer KPWD SR 2023/24,Volume VI,Page 8,Sl. No.3.4.8)	Each	1		
7	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.				
7.1	1 to 2 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.1)	Each	65		
7.2	3 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.2)	Each	35		
7.3	4 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.3)	Each	2		
7.4	6 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.4)	Each	35		
7.5	8 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.5)	Each	2		
7.6	10-12 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.6)	Each	3		
7.7	16 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.7)	Each	1		
7.8	18 Module (Refer KPWD SR 2023/24 Volume VI Page 8 Sl. No.3.5.8)	Each	1		
8	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.				
8.1	6A One Way Switch (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.1)	Each	165		
8.2	6A Two Way Switch (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.2)	Each	1		
8.3	6A Three Way socket . (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.3)	Each	105		
8.4	Stepped Fan Regulator Two Module . (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.4)	Each	1		
8.5	16A One Way Switch (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.7)	Each	15		
8.6	6A Bell Push (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.8)	Each	1		
8.7	32A DP switch . (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.9)	Each	2		
8.8	6/16A Universal Socket (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.10)	Each	15		
8.9	TV/Telephone Socket (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.11)	Each	23		
8.10	RJ45/I.O Outlet Cat-6 (Refer KPWD SR 2023/24 Volume VI Page 9 Sl. No.3.6.12)	Each	28		

9	CONTROL SWITCH GEARS & ACCESSORIES.				
	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898				
9.1	6-32 A SP MCB (Refer KPWD SR 2023/24 Volume VI Page 17 Sl. No.5.18.1)	Each	25		
9.2	40 A TPN,MCB (Refer KPWD SR 2023/24 Volume VI Page 17 Sl. No.5.18.8)	Each	1		
9.3	40 A DP,MCB (Refer KPWD SR 2023/24 Volume VI Page 17 Sl. No.5.18.5)	Each	1		
10	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board.				
10.1	16A-25A 2 pole (Refer KPWD SR 2023/24, Volume VI ,Page 18 ,Sl. No.5.20.1)	Each	2		
10.2	32-40A 2 pole (Refer KPWD SR 2023/24, Volume VI ,Page 18 ,Sl. No.5.20.4)	Each	1		
11	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure.				
	III - Double Door				
11.1	4 Way TP & N -PDB (Refer KPWD SR 2023/24, Volume VI ,Page 18 ,Sl. No.5.19.11)	Each	1		
	I - Single Door				
11.2	6 Way SP & N -ELDB (Refer KPWD SR 2023/24, Volume VI, Page 18, Sl. No.5.19.2)	Each	1		
11.5	16 Way SP & N -LDB &UDB (Refer KPWD SR 2023/24, Volume VI, Page 18, Sl. No.5.19.5)	Each	2		
13	Supplying and fixing of metal clad industrial plugs and sockets				
	2pole+earth 250V PLUG				
13.1	16A (Refer KPWD SR 2023/24, Volume VI, Page 9, Sl. No.3.13.1)	Each	3		
13.2	2pole+earth 250V SOCKET (Refer KPWD SR 2023/24, Volume VI, Page 9, Sl. No.3.13.5)	Each	3		
14	Supplying And fixing/replacing of 6/16/32A electricalaccessories on existing switch board.				
14.1	16A Three Pin Top (Refer KPWD SR 2023/24, Volume VI, Page 10, Sl. No.3.14.13)	Eacg	1		
	NETWORKING & TELECOMMUNICATION. /CC TV				
15.0	Supplying and drawing PVC flexible TWO pair telephone unarmoured tinned copper cable.				
	2Pair (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.2.2)	Rmt	850		
16	Supplying and drawing UTP-CAT 6E LAN cable (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.1)	RMT	1250		
17	Supplying and fixing of MDF krone junction box with KRONE Module / Telephone cable termination.				
	10 Pair (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.13.1)	RMT	2		
18	Supplying & Fixing of ... ms Cat 6 Patch Cable				
18.1	1 m (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.11.1)	Each	28		
18.2	2 m (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.11.2)	Each	28		
19	Supplying&Fixing of switch mounting rack with power manager & Cable manager.				
19.1	27U with 650mm depth (Refer KPWD SR 2023/24, Volume VI ,Page 36 ,Sl. No.8.4.7)	Each	1		
20	Supplying & Fixing of Patch panel for LAN cabling				
20.1	48 Port 10/100/1000 patch panel (Refer KPWD SR 2023/24, Volume VI ,Page 37 ,Sl. No.8.12.4)	Each	1		

21	Supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.				
21.1	19/20 mm dia 2 mm thick (Refer KPWD SR 2023/24 ,Volume VI ,Page 2 ,Sl. No. 1.1.1)	Mtr	100		
21.2	25 mm dia 2 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.2)	Mtr	100		
21.3	32 mm dia 2.5 mm thick (Refer KPWD SR 2023/24, Volume VI ,Page 2 ,Sl. No. 1.1.3)	Mtr	100		
	Fixing Charges.				
22	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.				
22.1	On wall/ ceiling / Rafter / Girders (Refer KPWD SR 2023/24 ,Volume VI ,Page 56, Sl. No.13.7.1)	Each	85		
23	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 A. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.(Refer KPWD SR 2023/24, Volume VI ,Page 57 ,Sl. No.13.10)	Each	17		
25	Supplying & Fixing Chemical earthling for grounding. Conduits, IC cut-outs & other equipments backfill compound which is noncorrosive, thermally conductive, potential to permissible limits, superior Fault conduction capacity, non toxic, weather resistance & capable of achieving ohmic value less than one ohm				
25.1	Using 10ft. Copper bonded rod with backfill compound (Refer KPWD SR 2023/24, Volume VI ,Page 55 ,Sl. No.12.60.3)	No	3		
26	GI/Copper strips for grounding connections, using necessary fixing materials as required.				
26.1	8 SWG Copper wire in PVC Conduit -Market Rate	MTR	50		

B	LT Panel - Market Rate				
27	Supply,store, Unloading ,Testing & commissionong of wall mounted Panel shall be made out of 14/16 guage sheet steel, with 100 A, capacity TPN +E, aluminium busbars with PVC sleeves with required outgoing feeders				
	63A,4P, MCCB - 2 No. with operating handle.				
	63A,4P, ATS - 1no for EB/DG change over				
	ELR with core balance CT - 2no.(Digital)				
	MFM Meter Digital type - 1no.				
	LED type RYB Indicating lamps - 3no's				
	40 A 4P, MCCB - 3 no for PDB				
	32A, DP , MCB - 05 nos- Inverter, UPS I/P LDB, ATM DB & Spare				
	63A insulator with Level 2 SPD	Each	1		
C	Supply of Fixture/ Fans				
28	Supplying offeet -PVC Batten with integrated LED tube W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.				
28.1	LED light fitting 1 x 4' - 20/22 W- (Refer KPWD SR 2023/24, Volume VI ,Page 43, Sl. No.11.3.2)	Each	12		
28.2	LED light fitting 1 x 2' - 9/10 W (Refer KPWD SR 2023/24, Volume VI ,Page 43, Sl. No.11.3.1)	Nos	2		
29	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.				
29.1	48" Sweep (1200 mm) Regular model (Refer KPWD SR 2023/24, Volume VI ,Page 30, Sl. No.6.3.1)	Nos	1		
30	Supplying wall mounting fan suitable to operate at single- phase 230v AC. supply.				
30.1	400 mm Sweep (Refer KPWD SR 2023/24, Volume VI ,Page 30, Sl. No.6.5.2)	Nos	17		
31	Supply of round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition.				
31.1	LED square or round down light 10-12W (Refer KPWD SR 2023/24, Volume VI ,Page 44, Sl. No.11.5.2)	Each	5		

32	LED square or round down light 15-18W (Refer KPWD SR 2023/24, Volume VI ,Page 44, Sl. No.11.5.3)	Each	15		
33	Supplying of recess mounting non integral type LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling clamps, Power LEDs with CCT 6500 degree K, CRI> 70%. efficacy > 100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.				
33.1	LED modular down light 2'x2' 36 W (Refer KPWD SR 2023/24, Volume VI ,Page 45, Sl. No.11.6.3)	Each	40		
34	TEMPORARY SHIFTING & DISMANTLING WORKS:				
	Temporary arrangements of existing wiring, UPS, RP, Lights, Fans, Switch board, Data Cablings, Telephone wirings with Switch & Sockets, light and fan fixtures for regular operation of Panaji branch till the renovations work ends. The rate inclusive of necessary relocating, shifting, loading, unloading. Dismantling and stacking of existing wiring, cables, distribution boards, Switch boards, switches, sockets, light fittings, all type of fans, closing the switch board, wiring holes, locations with brick work and cement plastering with proper finishing of surface, etc., The rate includes all the debris has to be removed from the site, cleaning, shifting of materials, transportaions etc.(to be verified at site with engineer incharge) (For proposed civil and interior works temporary arrangement is to be done)	L/S	1		
35	Buyback value of old electrical DBs and light/ fan fixtures etc.(to be verified at site with engineer incharge) pertains to branch as per the instruction of Bank's Engineer	LS	-1		
	Sub Total- Panaji branch				

Grand Total- MSME + Branch					
RATE EXC GST					