

Schedule of Quantity

Name Of Work: Renovation/Replacement of existing cup board & Tables of Administration Section (Room Nos. 215 & 217) at ICAR CRIJAF Barracpore Kolkata SH: Electrical Works

Sl.No.	Description of Items	Quantity	Rate	Unit	Amount	Remarks
1	SH-I(DSR-2025)					
1.1	Wiring for light point/ fan point/ exhaust fan point/ callbell 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.					DSR 2025
1.1.1	Group C	11.00	₹ 1,704.00	Pts	₹ 18,744.00	1.10.3
1.2	Wiring for light/ power plug with 2X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	150.00	₹ 373.00	Metre	₹ 55,950.00	1.12
1.3	Wiring for light/ power plug with 4X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 2 Nos. 4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	75.00	₹ 587.00	Metre	₹ 44,025.00	1.13
1.4	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
1.4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	30.00	₹ 267.00	Mtrs	₹ 8,010.00	1.14.1
1.4.2	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	30.00	₹ 813.00	Mtrs	₹ 24,390.00	1.14.9
1.5	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.					
1.5.1	12 Module (200mmX150mm)	14.00	₹ 614.00	Nos	₹ 8,596.00	1.27.6
1.5.2	1 or 2 Module (75mmX75mm)	8.00	₹ 354.00	Each	₹ 2,832.00	1.27.1
1.6	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					
1.6.1	5/6 A switch	56.00	₹ 121.00	Nos	₹ 6,776.00	1.24.1
1.6.2	3 pin 5/6 A socket outlet	56.00	₹ 136.00	Nos	₹ 7,616.00	1.24.4
1.6.3	6 pin 15/16 A socket outlet	4.00	₹ 219.00	Nos	₹ 876.00	1.24.5
1.7	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.	22.00	₹ 659.00	Nos	₹ 14,498.00	1.32
1.8	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.					
1.8.1	Single pole	48.00	₹ 285.00	Each	₹ 13,680.00	2.10.1
1.90	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)					2.4
1.9.1	8 way (4 + 24), Double door	2.00	₹ 6,337.00	Each	₹ 12,674.00	2.4.3
1.10	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1.10.1	63 A	2.00	₹ 1,115.00	Each	₹ 2,230.00	2.13.2

Sl.No.	Description of Items	Quantity	Rate	Unit	Amount	Remarks
1.11	LED Panel light 2x2 ft. (System lumen efficacy $\geq 105 < 120$ lm/Watt) Supplying, installation, Testing & Commissioning of Panel light 2x2 ft., of following body material and construction as per IS : 10322 with driver as per the requirement with Driver efficiency $>85\%$, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD $< 10\%$, P.F. ≥ 0.95 , IP20, CRI >80 , UGR (Unified Glare Rating) < 19 , Flicker free, (flicker should be below 5 %), 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 Colour Matching) <3 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. 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).Powder Coated CRCA Sheet Body (Thickness > 0.50 mm)					
1.11.1	36 watt	12.00	₹ 2,059.00	Each	₹ 24,708.00	8.6.10
	Total SH-I(DSR 2025)				₹ 245,605.00	
	Add Cost Index of 115 on base 100 For DSR, 2025 Items				₹ 36,840.75	
	Total SH-I				₹ 282,445.75	
2	SH-II(NSR Item)					
2.1	Supplying and installation of plastic body and blades ,400 mm sweep wall fan operating on 220-240 volts , 50 Hz supply complete with connecting cable etc complete as required	11.00	₹ 3,265.00	Each	₹ 35,915.00	MR
2.2	Supplying and fixing following modular switch/ socket/Starter on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
2.2.1	16 Amp AC starter	4.00	₹ 651.00	Each	₹ 2,604.00	MR
	Total SH-II(NSR Item)				₹ 38,519.00	
	Grand Total SH-I+SH-II				₹ 320,964.75	
	SAY				₹ 320,965.00	

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