

SCHEDULE OF WORK

Name of Work: RMO of E & M services installed at Data Centre NIC at 7th Floor,1st MSO Building, Nizam Palace, Kolkata during 2026-27 (SH: Provision of electrical power connection, LAN and service connection at NIC).

Sl.No.	Sub-heads and item of work	Qty.	Rate	Unit	Amount	Remarks
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
1.1	3 x 4 sq. mm	50	222.00	Mtr.	11100.00	DSR'25 1.17.21
2	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.					
2.1	25 mm	40	168.00	Mtr.	6720.00	DSR'25 1.21.2
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
3.1	5/6 amps switch	10	121.00	Each	1210.00	DSR'25 1.24.1
3.2	15/16 amp switch	10	176.00	Each	1760.00	DSR'25 1.24.3
3.3	3 pin 5/6 amp socket outlet	10	136.00	Each	1360.00	DSR'25 1.24.4
3.4	6 pin 15/16 amp socket outlet	10	219.00	Each	2190.00	DSR'25 1.24.5
4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					
4.1	1 or 2 Module (75mmX75mm)	20	354.00	Each	7080.00	DSR'25 1.27.1
5	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).	5	757.00	Each	3785.00	DSR'25 1.56
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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)					
6.1	12 way, Double door	2	2871.00	Each	5742.00	DSR'25 2.3.3
7	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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.					
7.1	Single pole	12	285.00	Each	3420.00	DSR'25 2.10.1

8	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
8.1	40 amps	2	472.00	Each	944.00	DSR'25 2.12.1
9	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100%Icu, etc. as required.					
9.1	63A,4P ,25KA	1	11232.00	Each	11232.00	MR
10	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	7	1246.00	Mtr.	8722.00	DSR'25 5.14
11	Supplying, Installation, Testing and commissioning of CAT6A Copper Information Outlet (IO) with face plate of color as per site requirement, should have ETL/UL verification program certificate for compliance with ANSI/TIA-568.2-D. All copper Cable and Components should be from same OEM to maintain compatibility and interoperability.	35	302.00	Each	10570.00	DSR'25 39.15
12	Supplying, drawing, Installation, Testing and commissioning of Cat6A UTP 4 pair, 23 AWG solid copper cable in existing conduit/ on surface, U/FTP, LSZH, Non-Plenum, Horizontal (solid) Cable suitable for high speed data networking application supporting upto 10Gbps over a 100 meter channel. The 4 Unshielded Twisted Pairs (UTP) cable with color coded insulation for easy identification should have FLAME PROPERTIES i.e. Flammability Test - IEC 60332-1, Smoke Density - IEC 61034, LSZH standards compliance: ANSI/TIA-568 C.2, ISO/IEC 11801, IEEE 802.3an, RoHS. Delay Skew should be < 45NS. The outer Cable Diameter should be 7.5 + 2 mm. Cable should have been tested and verified by UL/ ETL.					
12.1	1 Run of cable	170	74.00	Mtr.	12580.00	DSR'25 39.18.1
13	Supply of following sizes of AL conductor XLPE insulated unarmored power cable of 1.1 KV grade and conforming to IS 7098(Part 1) 1988 at site of work etc as required.					
13.1	3½ core 35 sq mm	12	470.00	Mtr.	5640.00	MR
14	Supply of following sizes of AL conductor XLPE insulated armoured power cable of 1.1 KV grade and conforming to IS 7098(Part 1) 1988 at site of work etc as required.					
14.1	3 core 25 sq mm	100	347.00	Mtr.	34700.00	MR
14.2	3½ X 70 sq. mm	90	888.00	Mtr.	79920.00	MR
15	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
15.1	3 X 25 sq. mm (25mm)	2	330.00	Each	660.00	DSR'25 11.1.9
15.2	3½ X 35 sq. mm (32 mm)	2	371.00	Each	742.00	DSR'25 11.1.20
15.3	3½ X 70 sq. mm (38mm)	2	542.00	Each	1084.00	DSR'25 11.1.23

16	Supply and fixing of IP44 rated,32A,5 pin industrial plug and socket connector set etc as req.	4	1583.00	Each	6332.00	MR
17	Supply and fixing of Rack PDU each having minimum of 8 nos. C19/C20, 20A rated outlets.	2	16909.00	Each	33818.00	MR
18	Supply, installation, testing and commissioning of 63A,415V,50 Hz, 4 pole, on load manual changeover switch in sheet Enclosure complete with internal interlocks and connection etc as req.	1	9030.00	Each	9030.00	MR
19	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.					DSR'25 10.7
19.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	112	64.00	Mtr.	7168.00	DSR'25 10.7.1
19.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	90	151.00	Mtr.	13590.00	DSR'25 10.7.2
					Total	2,81,099.00

Assistant Engineer (E)
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