

Name Of Work:- Construction of Pre-Engineered building near Hanger at Airstrip. (SH: Electrical Work)						
S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					DSR-1.3
1.1	Group B	Point	154.00	836.00	128744.00	1.3.2
1.2	Group C	Point	154.00	1037.00	159698.00	1.3.3
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.					DSR-1.54
2.1	Group C	Point	50.00	601.00	30050.00	1.54.3
3	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Point	6.00	1094.00	6564.00	DSR-1.4
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					DSR-1.17
4.1	2 x 1.5 sq. mm	Meter	1050.00	37.00	38850.00	1.17.2
4.2	3 x 1.5 sq. mm	Meter	440.00	50.00	22000.00	1.17.3
4.3	6 x 1.5 sq. mm	Meter	330.00	96.00	31680.00	1.17.6
4.4	3 x 4 sq. mm	Meter	1830.00	111.00	203130.00	1.17.21
4.5	6 x 4 sq. mm	Meter	1390.00	214.00	297460.00	1.17.24
4.6	3 X 6 Sq.mm	Meter	45.00	162.00	7290.00	1.17.30
4.7	3 X 10 Sq.mm	Meter	30.00	321.00	9630.00	MR
4.8	6 X 10 Sq.mm	Meter	195.00	586.00	114270.00	MR
4.9	6 X 16 Sq.mm	Meter	210.00	890.00	186900.00	MR
5	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					DSR-1.20
5.1	20 mm	Meter	970.00	126.00	122220.00	1.20.1
5.2	25 mm	Meter	1950.00	147.00	286650.00	1.20.2
5.3	32 mm	Meter	220.00	198.00	43560.00	1.20.3

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
6	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	84.00	288.00	24192.00	DSR-1.25
7	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.	Each	486.00	313.00	152118.00	DSR-1.31
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 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	176.00	406.00	71456.00	DSR-1.32
9	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth metal enclosed plug top along with 20 amps ' C ' series SP, MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the soc	Each	84.00	980.00	82320.00	DSR-2.18
10	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.					DSR-1.18
10.1	1X2 Pair	Meter	3680.00	19.00	69920.00	1.18.2
11	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					DSR-1.24
11.1	Telephone socket outlet	Each	74.00	96.00	7104.00	1.24.6
12	Fixing, Internet Box of Data box (RJ-45) including brass screw on surface / recessed as reqd.	Each	250.00	143.00	35750.00	MR
13	Drawing of computer network cable/ PVC insulated flexible cooper/ Aluminium single core cable of size 1.5sqmm to 25 sqmm/ telephone cable upto 10 pair in existing pipe / casing and capping as reqd including numbering the wires at both the ends.	Meter	11000.00	28.00	308000.00	MR
14	Fixing of telephone DP/network rack ( HUB ) on wall floor with suitable brick foundation on bolts and nut etc. as reqd.	Each	3.00	382.00	1146.00	MR
15	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required					DSR-1.27
15.1	1 or 2 Module (75 mmX75 mm)	Each	74.00	175.00	12950.00	1.27.1
15.2	3 module (100mm x 75mm)	Each	132.00	185.00	24420.00	1.27.2
15.3	6 module (200mm x 75mm)	Each	132.00	258.00	34056.00	1.27.4

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
16	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)					DSR-2.4
16.1	12 Way, double door	Each	6.00	1151.00	6906.00	2.3.3
17	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)					DSR-2.4
17.1	6 way (4 + 18), Double door	Each	2.00	2659.00	5318.00	2.4.2
17.2	8 way (4 + 24), Double door	Each	11.00	3171.00	34881.00	2.4.3
18	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel,dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					DSR-2.4
18.1	8 way (4 + 24), Double door	Each	1.00	5664.00	5664.00	2.5.2
19	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					DSR-2.10
19.1	Single pole	Each	153.00	173.00	26469.00	DSR2.10.1
19.2	Tripple pole	Each	4.00	700.00	2800.00	DSR2.10.4
20	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	59.00	7.00	413.00	DSR-2.11
21	Supplying and fixing following rating, four pole, 415 V, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
21.1	40 A-63 A	Each	14.00	1297.00	18158.00	MR
22	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.					DSR-2.14
22.1	25 A	Each	6.00	1650.00	9900.00	2.14.1
22.2	40 A	Each	18.00	1719.00	30942.00	2.14.2
22.3	63 A	Each	18.00	2242.00	40356.00	2.14.3

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
23	Supplying and fixing Cable End Box (Loose wire box)(IP 43) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with testing and commissioning etc. as required.					DSR-2.23
23.1	For 14 way, Double door SPN MCBDB	Each	6.00	488.00	2928.00	2.23.4
24	Supplying and fixing Cable End Box (Loose wire box)(IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required.					DSR-2.24
24.1	For 6 way, Double door TPN MCBDB	Each	2.00	610.00	1220.00	2.24.2
24.2	For 8 way, Double door TPN MCBDB	Each	10.00	728.00	7280.00	2.24.3
25	Providing and fixing following rating and breaking capacity Four pole 415V 50Hz MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.					
25.1	400 Amp, 50 KA.	Each	1.00	28862.00	28862.00	MR
26	S&F connecting and commissioning independent mounting of 400 amp MCCB enclosure make legrand or its equivalent approved make in surface/recess I/c cutting the wall and making good the same in case of recessed as reqd.	Each	1.00	2550.00	2550.00	MR
27	Supply of recessed 2'x2' white CRCA powder coated LED luminaire with total system wattage 34/35/36W covered by acrylic diffuser, extruded aluminium housing, prewired electronic driver complete with all accessories suitable for operation on single phase 240V 50Hz AC supply as required. LED shall be SMD type, fixture should have minimum efficacy $\geq 100\text{lm/W}$ and minimum system lumens 3600. ( similar to Bajaj CAT No. BZRSQ 36W LED GZi WH or equivalent)	Each	194.00	3374.00	654556.00	MR
28	Supply of surface mounting 2'x2' white CRCA powder coated LED luminaire with total system wattage 34/35/36W covered by acrylic diffuser, extruded aluminium housing, prewired electronic driver complete with all accessories suitable for operation on single phase 240V 50Hz AC supply as required. LED shall be SMD type, fixture should have minimum efficacy $\geq 100\text{lm/W}$ and minimum system lumens 3600.	Each	2.00	3577.00	7154.00	MR
29	Supply of 8W Mirror LED Light luminaire.	Each	17.00	749.00	12733.00	MR
30	Supply 18 watt recessed type LED luminaire made of CRCA powder coated/ aluminium extruded size 1'X1' full glow having system efficiency.	Each	47.00	1789.00	84083.00	MR

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31	Supply 18 watt LED surface mounted luminaires CRCA powder coated/ aluminium extruded full glow having system efficiency..	Each	57.00	1870.00	106590.00	MR
32	Supply of 36 watt surface mounted/ceiling suspended with provided kit 4 feet long slim LED light fitting dimensions: 1200 x 300 mm with diffuser etc.as reqd Make (LCPL-36-CDL(1X4) make crompton or equivalent approved make)	Each	1.00	4187.00	4187.00	MR
33	Supply, installation, testing and commissioning of 1200 mm sweep 230 Volt AC ceiling fan, 3 blade alongwith copper wound stator, Aluminium blades, capacitor, downrod, canopy etc. as required including wiring the downrods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	84.00	1708.00	143472.00	MR
34	Supply, installation, testing and commissioning of 300 mm sweep 230 Volt AC size 1200 RPM metal body Heavy Duty exhaust fan with guard and mounting arrangement etc. as required	Each	14.00	3199.00	44786.00	MR
Note:	<b>Necessary arrangements such as fan hook/clamps etc for installation of ceiling fan shall be provided by the truss manufacturer or shall be the part of civil scope.</b>					
35	Installation, testing and commissioning of pre-wired, LED fitting with driver/ fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/wall/ surface, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	318.00	100.00	31800.00	1.41
36	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	84.00	105.00	8820.00	1.44
37	Supplying and fixing extra down rod of 10 cm length G.I. pipe,15 mm dia, heavy gauge including painting etc. as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	39.00	22.00	858.00	1.47
38	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	39.00	25.00	975.00	1.48
39	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	10.00	46.00	460.00	1.33
40	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.					1.50
41.1	Upto 450 mm sweep	Each	14.00	224.00	3136.00	1.50.1
42	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	Each	416.00	28.00	11648.00	1.49

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43	Supplying, installation, testing & commissioning of cubical type MCC Panel IP-42 suitable for 415V, 3Phase, 4 Wire 50 Hz Ac supply system fabricated in compartmentalized (preferably) design from CRCA sheet steel of 2mm thick for frame work and covers, 3mm thick for gland, plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having extensible type TPN aluminium alloy bus bars of high conductivity, SMC bus bars of high conductivity, SMC bus bar supports, with short circuit withstand capacity of 50kA for 1 Sec., bottom base channel of MS section not less than 100mmx 50mm x 5mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 25mm x 5mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with suitable size of PVC insulated copper conductor S/C cable, cable alleys, cable gland plates in two half, i/c providing following switch gears :-					
	<b>General Notes for site visit report for Panels before submitting GA.</b>					
	The Manufacturer must visit the site before submitting GA drawings and submit a report consisting following:					
	Possible height for Panel.					
	Possible width for Panel					
	Back access will be possible or not.					
	Cable entry will be from top or bottom.					
	If entry from bottom whether MS. Stand is required or not.					
	If the panel is wall mounted whether the wall is available or not.					
	Path for movement of transportation of panel is possible or not i.e length, width etc. and the transportation sections shall be designed accordingly.					
	Sufficient space available at front & back after door opening.					
	Sufficient height available above panel for cable drop.					
	Actual floor to floor height for rising mains.					
	<b>Also, refer to General Notes and Specifications for Panels/ Boards.</b>					
	Contractor to submit manufacturer's selection charts, Total discrimination charts and curves prove the same, insulation material & corners cover on bus-bars for approval. Feeders should be totally bolted structure with interchangeable feeder.					

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. SMC shrouds bus bar supports shall be used. Padlocking facility shall be provided on all MCCB feeder doors and switch handles shall be lockable in OFF position.					
	<b>Sealing Arrangement</b> :- PE Foam Rubber Gasket					
	Bus Bars Supports - Non-Hygroscopic, Non Carbonising, Corrosion Resistant, SMC Supports					
	1Set of connector (Phase+Neutral) shall be provided in cable alley for all outgoing with interconnection wires between MCB and Connector.					
	Minimum Air Clearances between bus bars shall be <b>as per CPWD specifications</b>					
	<b>Panel Power and control Wiring all ZHLS PVC insulated</b>					
	AC voltage circuit-1.5 sqmm Red,Yellow,Blue & Black					
	Current circuit-1.5 sqmm Red,Yellow,Blue &Black					
	AC Control circuit-1.5 sqmm White for Phase & Black for Neutral					
	DC Control circuit-2.5 sqmm Grey					
	<b>Power circuit-</b> Red,Yellow,Blue for Phase &Black for Neutral					
	<b>Labeling-</b> Computerised Laminated Aluminium Name Plate with White letters on Blue/Black Background For Each Feeder and Panel Itself.					
	Strip heater with thyristor in each bus-bars section shall be provided in all Panels					
Note:-	1) If mentioned fault and Automatic transfer switch rating is unavailable consider nearby upside rating					
	2) Total Discrimination of system shall be checked and required setting shall be made. If any component required to change will change free of cost. The switch-gear & Panel manufacturer (jointly) will submit discrimination check report duly checked and signed on company letter head.					
	<b>ELECTRICAL PANEL-BLOCK- 1</b>					
	<b>Incomer</b>					
	1 Nos. 250A FP MCCB adjustable Thermal & Magnetic based of fault breaking capacity 35KA (Ics=Icu) upto 415V manually operated and with inbuilt S/C, O/C & E/F protection relay , extended rotary handle for door interlock with indications for breaker On/Off with Phase spreaders & Phase Barriers at both sides.					
	<b>Metering &amp; indications</b>					
	1 Sets Phase indication LED lamps with 2Amp back up MCB, test terminal block set, circuits as per SLD.					

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
	1 No. digital multifunction meter suitable to measure voltage, Ampere, Frequency, Power Factor with RS-485 Port with suitable Rasin Cast CTs with each incomer.					
	<b>Bus Bars</b>					
	FP Aluminium bus bars of minimum of 250Amps capacity with heat shrinkable coloured sleeves and i/c SMC bus bare cross section, size supports & their spacing etc. for withstanding fault level of 25kA for 1 Sec.					
	<b>Outgoings</b>					
	4 Nos. 125A 4P 25 kA MCCB					
	3 Nos. 63A 4P 10kA MCB					
	2 Nos. 40A 4P 10kA MCB					
	<b>INBUILT DBs</b>					
a.	LIGHT DB-L1 GF					
	<b>INCOMING</b>					
	1No. 40A 4P 10kA MCB					
	<b>SUB INCOMERS</b>					
	3Nos. 40A DP ELCB 30mA					
	<b>OUTGOING</b>					
	18Nos. 6-32A SP 10kA MCB					
b.	POWER DB-P1 GF					
	<b>INCOMING</b>					
	1No. 40A 4P 10kA MCB					
	<b>SUB INCOMERS</b>					
	3Nos. 40A DP ELCB 30mA					
	<b>OUTGOING</b>					
	21Nos. 6-32A SP 10kA MCB					
c.	AC DB-AC1 GF					
	<b>INCOMING</b>					
	1No. 63A 4P 10kA MCB					
	<b>SUB INCOMERS</b>					
	3Nos. 63A DP ELCB 30mA					
	<b>OUTGOING</b>					
	15Nos. 6-32A SP 10kA MCB					
	1Nos. Type 2 Surge Protection Device 65kA 4P (Similar to HAGER (SPN465R), ARGOS or Equivalent ) with 1No. Red Indicator Light for SPD with 1Set. SPD Back up MCB 4P 63A 10kA including all necessary accessories.					
	<b>ELECTRICAL PANEL-BLOCK- 1 as described above a</b>	Set	1.00	240995.00	240995.00	MR
44	<b>ELECTRICAL PANEL- BLOCK- 2</b>					
	<b>Incomer</b>					
	1 Nos. 125A FP MCCB adjustable Thermal & Magnetic based of fault breaking capacity 25KA (Ics=Icu) upto 415V manually operated and with inbuilt S/C, O/C & E/F protection relay , extended rotary handle for door interlock with indications for breaker On/Off with Phase spreaders & Phase Barriers at both sides.					
	<b>Metering &amp; indications</b>					
	1 Sets Phase indication LED lamps with 2Amp back up MCB, test terminal block set, circuits as per SLD.					

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
	1 No. digital multifunction meter suitable to measure voltage, Ampere, Frequency, Power Factor with RS-485 Port with suitable Rasin Cast CTs with each incomer.					
	<b>Bus Bars</b>					
	FP Aluminium bus bars of minimum of 250Amps capacity with heat shrinkable coloured sleeves and i/c SMC bus bare cross section, size supports & their spacing etc. for withstanding fault level of 25kA for 1 Sec.					
	<b>Outgoings</b>					
	2 Nos. 63A 4P 10kA MCB					
	1 Nos. 40A 4P 10kA MCB					
	1 Nos. 25A DP 10kA MCB					
	<b>INBUILT DB</b>					
a.	LIGHT DB-L1 GF					
	<b>INCOMING</b>					
	1No. 25A DP 10kA MCB					
	<b>SUB INCOMERS</b>					
	1No. 25A DP ELCB 30mA					
	<b>OUTGOING</b>					
	13 Nos. 6-32A SP 10kA MCB					
b.	POWER DB-P1 GF					
	<b>INCOMING</b>					
	1No. 40A 4P 10kA MCB					
	<b>SUB INCOMERS</b>					
	3Nos. 40A DP ELCB 30mA					
	<b>OUTGOING</b>					
	15 Nos. 6-32A SP 10kA MCB					
c.	AC DB-AC1 GF					
	<b>INCOMING</b>					
	1No. 63A 4P 10kA MCB					
	<b>SUB INCOMERS</b>					
	3Nos. 63A DP ELCB 30mA					
	<b>OUTGOING</b>					
	10 Nos. 6-32A SP 10kA MCB					
	1Nos. Type 2 SPD 65kA 4P (Similar to HAGER (SPN465R), ARGOS or Equivalent ) with 1No. Red Indicator Light for SPD with 1Set. SPD Back up MCB 4P 63A 10kA including all necessary accessories.					
	<b>ELECTRICAL PANEL- BLOCK- 2 as described above</b>	Set	2.00	140000.00	280000.00	MR
45	Supply of following sizes of Power Cables, multi stranded aluminium conductor, XLPE Insulated, cores laid up, PVC tape / Extruded Inner sheathed, Armoured, FRLS at outer sheathed,1100V grade etc. as required					MR
45.1	4X 10 sq.mm	Meter	100.00	116.00	11600.00	MR
45.2	4 X 16 sq. mm	Meter	100.00	129.00	12900.00	MR
45.3	4 X 25 sq. mm	Meter	300.00	166.00	49800.00	MR
45.4	3.5 X 50 sq. mm	Meter	100.00	252.00	25200.00	MR
45.5	3.5 X 185 sq. mm	Meter	700.00	764.00	534800.00	MR
46	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.					DSR-7.1

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
46.1	upto 35 sq. mm.	Meter	15.00	206.00	3090.00	7.1.1
46.2	Above 35 sq. mm and upto 95 sq. mm	Meter	75.00	214.00	16050.00	7.1.2
46.3	Above 95 sq. mm and upto 185 sq. mm	Meter	300.00	223.00	66900.00	7.1.3
47	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.					DSR-7.2
47.1	upto 35 sq. mm.	Meter	15.00	141.00	2115.00	7.2.1
47.2	Above 35 sq. mm and upto 95 sq. mm	Meter	30.00	149.00	4470.00	7.2.2
47.3	Above 95 sq. mm and upto 185 sq. mm	Meter	300.00	158.00	47400.00	7.2.3
48	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 pipe as required.					DSR-7.5
48.1	upto 35 sq. mm.	Meter	15.00	18.00	270.00	7.5.1
48.2	Above 35 sq. mm and upto 95 sq. mm	Meter	15.00	28.00	420.00	7.5.2
48.3	Above 95 sq. mm and upto 185 sq. mm	Meter	60.00	37.00	2220.00	7.5.3
49	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.					DSR-7.5
49.1	upto 35 sq. mm.	Meter	15.00	14.00	210.00	7.6.1
49.2	Above 35 sq. mm and upto 95 sq. mm	Meter	15.00	22.00	330.00	7.6.2
49.3	Above 95 sq. mm and upto 185 sq. mm	Meter	30.00	31.00	930.00	7.6.3
50	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on cable tray as required.					DSR-7.8
50.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Meter	15.00	21.00	315.00	7.8.1
50.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Meter	15.00	49.00	735.00	7.8.2
50.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Meter	90.00	61.00	5490.00	7.8.3
51	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.					DSR-9.1
51.1	4 X 10 sq. mm (25 mm)	Each	12.00	203.00	2436.00	9.1.32
51.2	4 X 16 sq. mm (28mm)	Each	6.00	255.00	1530.00	9.1.33
51.3	4 X 25 sq. mm (28mm)	Each	3.00	258.00	774.00	9.1.34
51.4	3½ X 50 sq. mm (35mm)	Each	4.00	354.00	1416.00	9.1.22
51.5	3½ X 185 sq. mm (57mm)	Each	6.00	804.00	4824.00	9.1.27
52	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc. as required					DSR-14.13
52.1	100 mm dia	Meter	60.00	828.00	49680.00	14.13.3

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
53	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. in the existing trench, complete as required.					DSR-14.15
53.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	Meter	21.00	79.00	1659.00	14.15.1
53.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Meter	21.00	107.00	2247.00	14.15.2
54	Earthing with GI earth electrode 50mm dia x 3 mtr length including earth enhancing compound (Jam Fill quality product) and PIT cover for earthing pit etc as reqd. (193GI JMV)	Set	8.00	8326.00	66608.00	MR
55	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Meter	5.00	351.00	1755.00	DSR-5.11
56	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Meter	135.00	129.00	17415.00	DSR-5.15
57	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Meter	75.00	37.00	2775.00	DSR-5.16
58	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc. as required.					
58.1	150 mm width X 50 mm depth X 1.6 mm thickness	Meter	30.00	393.00	11790.00	4.1.2
59	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	Meter	100.00	680.00	68000.00	MR
60	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	Meter	100.00	292.00	29200.00	MR
61	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.					
61.1	End cap	Each	4.00	134.00	536.00	MR
61.2	Internal angle.	Each	4.00	356.00	1424.00	MR
61.3	External angle	Each	4.00	375.00	1500.00	MR
61.4	Flat Junction	Each	2.00	628.00	1256.00	MR
61.5	Changeable flat angle	Each	4.00	490.00	1960.00	MR
61.6	Separation partitions	Meter	50.00	176.00	8800.00	MR
61.7	cover joint	Each	5.00	155.00	775.00	MR
61.8	Base joint	Each	10.00	62.00	620.00	MR

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
62	Providing & fixing in position 1000 mm wide , Electrical Insulating Mats as per IS 15652:2006, 2mm thick, suitable upto 3.3 KV , fire retardant, no effect of acids, alkalies and transformer oils, moisture proof, high tensile strength and texture finish / cloth impression (Anti slip , marking on top) .	RM	22.00	1523.00	33506.00	MR
63	Supply and fixing in position approved shock treatment chart written in English, Hindi nd local language. These charts shall be framed in wooden frame and covered with clear glass.	Nos.	2.00	415.00	830.00	MR
64	Supply of First aid box as approved by St. John Ambulance Brigade /Indian Red Cross society conforming to IS : 2217 - 1963.	Nos.	1.00	1059.00	1059.00	MR
65	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	9.00	149.00	1341.00	DSR-2.21
66	Supply of Rubber gloves of 11 KV grade as per IS 4770-68.	Pairs	1.00	900.00	900.00	MR
67	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	9.00	304.00	2736.00	DSR-6.2
68	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc. as required.	Each	336.00	57.00	19152.00	DSR-6.4
69	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or on surface of wall for lightning conductor complete as required.(For horizontal run)	Meter	480.00	66.00	31680.00	DSR-6.7
70	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or on surface of wall for lightning conductor complete as required. (For vertical run)	Meter	70.00	100.00	7000.00	DSR-6.8
71	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 Nos. of G.I. bolts, nuts, chuckn uts and spring washers etc. complete as required.	Each	6.00	73.00	438.00	DSR-6.12
72	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Meter	45.00	112.00	5040.00	DSR- 6.14
73	Supply, installation, testing, commissioning and numbering of microprocessor based 4 zone Fire Alarm panel. The panel shall have a built in power supply and battery charger along with suitable SMF Lead acid batteries capable of running for a minimum of 24 hours and for 2 hours during fire condition etc. complete as required.	Each	3.00	8107.00	24321.00	NDSR

S. No	Description of Items	Unit	Quantity	Rate	Amount	DSR / NDSR
74	Supply, installation, testing and commissioning of multi detector with mounting base on existing ceiling etc. complete as required	Each	126.00	2554.00	321804.00	MR
75	Supply, installation, testing and commissioning of Siren cum strobe mount on surface/wall/ceiling etc. complete as required	Each	10.00	2500.00	25000.00	MR
76	Supply, installation, testing and commissioning of Manual call point etc. complete as required	Each	10.00	1149.00	11490.00	MR
77	Supply, installation, testing and commissioning of response indicator with mounting base (wherever required) etc. complete as required	Each	84.00	169.00	14196.00	MR
	<b>TOTAL Rs.</b>				<b>5937746.00</b>	