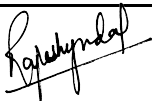


**Electrical Works : Schedule "A"**  
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**Name of Work : Construction of Staff Residences on Plot Nos 53 / 11 to 53 / 14, Rajendra Nagar, New Delhi - 110 060**

Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
		<b>Part -1: Sub Head - Wiring in PVC Conduits &amp; Installations</b>				
1	1.10	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 medium class PVC 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.				
1.1	1.10.2	<b>Group A</b>	Points	540		
2	1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC 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.	Points	44		
3	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Meter	260		
4	1.13	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	180		
5	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
5.1	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	750		

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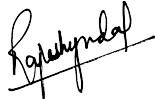
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
5.2	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	600		
5.3	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	400		
5.4	1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	200		
5.5	1.14.5	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	100		
5.6	1.14.7	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Metre	100		
5.7	1.14.8	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	100		
5.8	1.14.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Metre	100		
5.9	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Meter	100		
6	Modified from Item 1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the exist PVC conduit as required.	Metre	280		
7	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				

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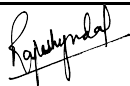
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
7.1	1.24.1	5/6 A switch	Each	180		
7.2	1.24.3	15/16 A switch	Each	160		
7.3	1.24.4	3 pin 5/6 A socket outlet	Each	180		
7.4	1.24.5	6 pin 15/16 A socket outlet	Each	160		
7.5	1.24.7	TV antenna socket outlet	Each	18		
7.6	1.24.8	Bell push	Each	16		
8	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
8.1	1.27.1	2 Module (75mmX75mm)	Each	120		

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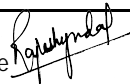
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
8.2	1.27.2	3 Module (100mmX75mm)	Each	60		
8.3	1.27.3	4 Module (125mmX75mm) Each 287	Each	60		
8.4	1.27.4	6 Module (200mmX75mm) Each 333	Each	40		
8.5	1.27.5	8 Module (125mmX125mm)	Each	32		
8.6	1.27.6	12 Module (200mmX150mm) Each 434	Each	48		
9	1.31	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	180		
10	1.32	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.	Each	180		
11	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the PVC conduit as required.				

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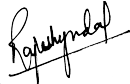
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
11.1	1.53.1	1 run of cable	Metre	300		
11.2	1.53.2	2 run of cable	Metre	200		
11.3	1.53.3	3 run of cable	Metre	100		
12	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
12.1	1.21.1	20 mm	Metre	800		
12.2	1.21.2	25 mm	Metre	1000		
12.3	1.21.3	32 mm	Metre	1000		
12.4	1.21.4	40 mm	Metre	400		
12.5	1.21.5	50 mm	Metre	100		
13	1.25	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	82		
14	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	16		

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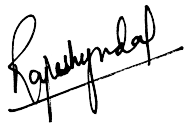
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
15	1.41 (modified)	Installation, testing and commissioning of pre-wired, LED Tube Light fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	200		
16	1.45	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, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	80		
17	Non DSR Item (Modified from 1.50 & 1.51)	Installation of exhaust fan in the openings, including making good the damage, connection, testing, commissioning etc. as required including fixing the louvers / shutters complete with frame for a exhaust fan of all sizes	Each	51		
18	Non DSR Item	Installation of water heater geyser including fixing of fasteners, fittings/fixtures, making good the damage, connection, testing, commissioning etc. as required complete as per directions of Engineer -in Charge for all capacities 3 litre / 5 litres / 15 litres / 20 litres and 25 litres capacity.	Each	51		



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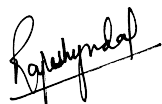
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
19	Non DSR Item	Supplying all materials receiving, storing, handling, fixing, wiring & testing for power sockets for ACs in each flat etc. Starting from DB to point control box & point control box to the outlet using 1100 volts grade PVC insulated copper conductor standard wiring cable in concealed/ surface system using 20mm/25mm/32mm rigid UPVC (ISI Marked) 2mm wall thickness including all conduit accessories such as bends, tees, check nuts, PVC buses for conduit ends, draw boxes, together with wiring accessories (Wherever required) chrome plated brass screws including Cu earth wire, identification ferrules at either ends complete in all aspects. Conduit being concealed either in ceiling slab/ wall chase including making & filling chases with cement mortar etc./wooden partition/ above false ceiling with hanging support wherever required, including as per standard specifications & relevant drawing for :				
19.1	Non DSR Item	3 Pin 32 Amp SP MCB	Each	48		
20	Non DSR Item	A set of 3 light point controlled by 1 No. 6A module type switch (3 points counted as 1 set)	Set	16		
21	Non DSR Item	A set of 4 light point controlled by 1 No. 6A module type switch (4 points counted as 1 set)	Set	16		
22	Non DSR Item	A set of 5 light point controlled by 1 No. 6A module type switch (5 points counted as 1 set)	Set	16		



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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
		<b>Total : Part - 1 : Point Wiring and Installation (Rs)</b>				
		<b>Part - 2 : LT Cables Supply and Installation Only</b>				
<b>1</b>		<b>Supply L.T. CABLES</b>				
1.1	(a)	Supply of the following 1100 V Alu/ Cu Conductor PVC insulated PVC Sheathed, steel armoured cables as per IS-1554 Part-1 and as per standard specifications.				
	(b)	Aluminium Cables 4 Core 35 sq. mm make Polycab / Kalinga / Finolex	RM	24		
<b>2</b>		<b>Laying L.T. CABLES</b>				
2.1	(a)	Receiving, storing, handling, laying, testing & commissioning of the 1100 Volt Aluminium / Cu. Conductor PVC insulated, PVC Sheathed, steel armoured cable as per IS-1554 Part-1 and as per standard specification.				
	(b)	Aluminium Cables 4 Core 35 Sq mm	RM	24		
<b>3</b>		<b>CABLE END TERMINATIONS:</b>				
3.1	(a)	Supply & provide cable end terminations for following Aluminium / Copper conductor cables using crimping sockets, brass compression glands etc. complete in all respects, as required.				
	(b)	Aluminium Cables 4 Core 35 Sq mm	Nos	25		
		<b>TOTAL : Part - 2 : LT Cables Supply and Installation Only</b>				
		<b>PART- 3 : EARTHING ITEMS</b>				
1		<b>Earthings</b>				

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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1.1	Non DSR Items	Supplying, receiving, laying, fixing, jointing & terminating of the following tapes/ wires in masonry tranches/ on walls/ on cable tray/ along the cable with suitable G.I./ Copper Clamps, Screws etc. The wire shall be terminated with copper sockets, washers & bolts & nuts. All joints shall be rigid using double rivets.				
1.2	(a)	40x5 mm G.I tapes with PVC sleeves	RM	50		
1.3	(b)	25X4 mm Cu tape with PVC sleeves	RM	20		
1.4	(c)	25x6 mm G.I. tape with PVC sleeves in 40 mm dia PVC conduit from earthing electrode including connection with GI nut and bolt spring washer	RM	40		
1.5	(d)	8 SWG G.I. Wires	RM	40		
1.6	(e)	1 Core 10 sq. mm Cu flexible wire 25 mm dia PVC Conduit	RM	50		
1.7	(f)	Providing and Installation of Marconite Earth Model Number (CU-16 x 85 x 3000) at a depth of 12-15 ft from floor level of basement, including Earthing Strip GI (40 x 6) in 50 mm dia PVC conduit from earthing electrode including connection with GI nut and bolt spring washer etc and strip shall be brought and terminated in Earthing chamber on surface. All complete with installation, nut bolts, screws and test check of earth resistance. All installation shall be carried out under the supervision of Authorised Marconite Earthing Representative	Nos	10		
		<b>Total of Part - 3 : Eathing Items (Rs)</b>				
		<b>PART- 4 : Electric Panel and Distribution Boards</b>				

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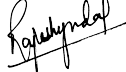
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make L&T				
1.1	2.3.4	16 way, Double door	Each	18		
2	2.10	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. Make L&T				
2.1	2.10.2	Single pole and Neutral	Each	284		
3	2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T				
3.1	2.12.2	63 Amp, DP	Each	18		
4	2.5	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 .Make L&T				
4.1	2.5.3	12 way (4 + 36), Double door	Each	6		
5	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T				
5.1	2.13.2	63 Amp, Four Pole	Each	2		

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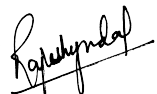
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Ser No	DSR Item No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
6	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make L&T				
6.1	2.15.1	RCCB 25 Amp, 300mA, FP	Each	2		
		<b>Distribution Panel</b>				
7	Non DSR Item	Supplying, fixing, installation, check and commissioning of Main Incoming Panel enclosure (IP 43) 16 SWG CRCA sheet, powder coated, with all panel accessories, with INCOMER MCB, 63Amp, Dp - 4 Nos, MAKE L&T MCB, 63 Amp, FP (2), make L&T with metering and indication RYB phase indicating light 230 v Nos 6 make ESBEE OFF/ON Indicating light, 230 Volts Nos 4 make ESBEE RCCB (4), 63 Amp, 100 mA, DP - Nos 4 make L&T RCCB (2) 63 Amp, 100mA, FP - Nos 2 make L&T Space for DG set Provision (1) ELCB, for panel size upto 1200 (W) x 900 (H) x 250 (D) complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required.	Nos	4		
		<b>Total of Part - 4 : Electric Panel and Distribution Boards (Rs)</b>				
		<b>Total (Rs) : (Part - 1 + Part - 2 + Part - 3 + Part - 4)</b>				



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