

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>1.00</b>	<b>MV PANELS &amp; MCB DISTRIBUTION BOARDS</b>				
1.01	<p><b>SDB</b></p> <p>Supply, installation, testing and commissioning of following M.V. cubicle type totally enclosed, free standing type, dust, damp and vermin proof, Distribution Board/Panel complete with busbars, M.V. danger notice plate, interconnections with suitable capacity aluminium leads/solid aluminium strips/rods, connection of incoming and outgoing cables with thimbles, powder coat painted and having following incoming and outgoing switchgears complete as required.</p> <p><b>INCOMER:</b></p> <p>1 No. 300 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker</p> <p>1 No. 0 to 500 V voltmeter with selector switch.</p> <p>1 No. 0 to 500 Amp ammeter with selector switch with 200/5A C.T.'s.</p> <p>1 Set of phase indicating lamp with HRC fuses</p> <p><b>BUSBARS:</b></p> <p>350 Amp TPN Aluminium busbars</p> <p><b>OUTGOING:</b></p> <p>1 No. 150 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker</p> <p>4 No. 63 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker, with phase indicating lamps.</p> <p>8 No. 40 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker, with phase indicating lamps.</p>				
			1 Set		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
1.02	<p>Supply, installation, testing and commissioning of following M.V. cubicle type totally enclosed, free standing type, dust, damp and vermin proof, Distribution Board/Panel complete with busbars, M.V. danger notice plate, interconnections with suitable capacity aluminium leads/solid aluminium strips/rods, connection of incoming and outgoing cables with thimbles, powder coat painted and having following incoming and outgoing switchgears complete as required.</p> <p><b>INCOMER:</b></p> <p>1 No. 150 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker</p> <p>1 No. 0 to 500 V voltmeter with selector switch.</p> <p>1 No. 0 to 500 Amp ammeter with selector switch with 150/5A C.T.'s.</p> <p>1 Set of phase indicating lamp with HRC fuses</p> <p><b>BUSBARS:</b></p> <p>200 Amp TPN Aluminium busbars</p> <p><b>OUTGOING:</b></p> <p>1 No. 63 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker, with phase indicating lamps.</p> <p>10 No. 40 Amp 415 volts, Four Pole, Moulded Case Circuit Breaker, with phase indicating lamps.</p>	1	Set		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
1.03	<p>Supplying, installation, testing and commissioning, horizontal type, sheet steel, ivory colored, MCB distribution board (double door type) having provision for MCB-cum-ELCB as incomer, on recess, complete with tinned copper busbar, din bar, detachable gland plate, blanking plate, interconnection including painting, earthing etc. complete with following switchgears and as required.</p> <p>i) 4Way Incomer : 40A MCB-cum-ELCB (Earth leakage circuit breaker with short circuit &amp; overcurrent protection with current sensitivity of 30mA)</p>	16	Each		

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1	2	3	4	5	7
	ii) 6 Way Incomer : 40A MCB-cum-ELCB (Earth leakage circuit breaker with short circuit & overcurrent protection with current sensitivity of 30mA)	3	Each		
	iii) 8 Way Incomer : 63A MCB-cum-ELCB (Earth leakage circuit breaker with short circuit & overcurrent protection with current sensitivity of 30mA)	3	Each		
1.04	Supplying and fixing following rating single pole, 240 volts, Miniature Circuit Breaker (MCB) in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	i) 6-32 Amps	320	Each		
1.05	Supply and fixing following rating, 415 volts, Four Pole MCB, in sheet metal enclosure on surface/recess including connection of incoming and outgoing cables with all civil works for fixing, and all accessories complete as required				
	i) 40 Amps, Four Pole	2	Each		
	ii) 63 Amps, Four Pole	2	Each		
1.06	Dismantling of MCCB in existing panel and Supply and fixing of required four pole MCCB in existing panel including connection of incoming and outgoing cables, and all accessories complete as required				
		1	each		
	<b>SubHead-1- Total</b>				

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>2.00</b>	<b>WIRING</b>				
2.01	<p>Wiring for light point/fanpoint/ exhaust fan point/call bell point with 1.5 sq.mm. PVC insulated, copper conductor cable (including 1.5 sqmm PVC insulated, copper conductor cable for earthing from switchboard to each point) in recessed MS conduit or PVC casing and Caping (including supply &amp; fixing of conduits or PVC Casing &amp; Caping, wires etc with all accessories, fan boxes etc) with modular type switches in suitable size modular metal boxes, base plate &amp; modular cover plates etc. and complete as required.</p> <p>Note:</p> <p>1. The wiring on ceiling is to be done in suitable size PVC Casing &amp; Caping (including supplying and fixing PVC Casing &amp; capping of ISI mak)</p> <p>2. The wiring on wall is to be done in recessed MS Conduit (including supplying and laying MS Conduit)</p>	705	Point		
2.02	<p>Rewiring for twin control light point with 1.5 sq.mm. PVC insulated, copper conductor cable (including 1.5 sq.mm. PVC insulated, copper conductor cable for earthing from switchboard to each point) in existing surface/recessed steel conduit with new 2 way 5/6A modular type switches in suitable size modular metal boxes, base plate &amp; modular cover plates etc. and complete as required.</p>	8	Point		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
2.03	Wiring for 5A light plugs with 1.5 sq.mm. PVC insulated, copper conductor cable including 1.5 sq.mm. PVC insulated, copper conductor cable for earthing in recessed steel conduit as per technical specifications and as required. (Location of 5A point shall be maximum 2M from 15A point from which it is looped)				
		62	Point		
2.04	Wiring for power plug with 2X4 sqmm PVC insulated, copper conductor, single core cable in existing MS conduit or PVC raceway/Casing & Caping along with 2.5 sqmm PVC insulated, copper conductor, single core cable for loop earthing complete as required.				
		1050.00	Metre		
2.05	Wiring for power plug with 2X6 sqmm PVC insulated, copper conductor, single core cable in existing MS conduit or PVC raceway/Casing & Caping along with 4 sqmm PVC insulated, copper conductor, single core cable for loop earthing complete as required.				
		345	Metre		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
2.06	Wiring for circuit wiring with following sizes PVC insulated, copper conductor, single core cable in surface/recessed in existing MS conduit or PVC raceway/Casing & Caping(including supply & fixing of conduits with all MS accessories) along with 1.5 sqmm PVC insulated, copper conductor, single core cable for loop earthing complete as required.				
	i) 2X1.5 Sqmm with 1 no. loop earth wire	285	Metre		
2.06	Supply and installation of 100mmX50mm double compartment PVC raceway system on surface including dividers, bends, tees, end covers and all accessories and all associated civil works complete as required.				
		350	Metre		
2.07	Supply and fixing of following sizes of steel conduit alongwith the accessories in recess including painting, or cutting the wall and making good the same in case of conduit as recessed required.				
	i) 20 mm dia	255	Metre		
	ii) 25 mm dia	210	Metre		
	iii) 32 mm dia	125	Metre		
2.08	Wiring for submain wiring with following sizes of PVC insulated, copper conductor single core cable in existing PVC raceway/MS Conduit complete as required.				
	i) 4X16 Sqmm	195	Metre		
	ii) 2 No. 10 sqmm wire for earthing for item mentioned above	195	Metre		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
	iii) 3X25 + 1X16 Sqmm		75 Metre		
	iv) 2 No. 16 sqmm wire for earthing for item mentioned above		75 Metre		
2.09	Supply and installation of 100mmX50mm double compartment PVC raceway system on surface including dividers, bends, tees, end covers and all accessories and all associated civil works complete as required.		100 Metre		
2.10	Supplying and fixing suitable Module metal box on surface or in recess including providing and fixing 5 pin 5/6 amps. modular socket outlet with shutters and 5/6 amps. modular type switch, base plate, modular cover plate, connections etc. and all civil works complete as required.		55 Each		
2.11	Supply, installation, testing & commissioning of suitable modular metal box on surface or in recess including providing and fixing 6 pin 15/16 A modular socket outlet with shutters and 15/16 A modular switch, base plate, modular cover plate, connections, etc. and all civil works complete as required.		85 Each		
2.12	Supply, installation, testing & commissioning of suitable module modular box on existing PVC raceway System with suitable size modular base plate & cover plate including providing and fixing 1 No.6 pin 15/16A and 1no. 5/6A modular socket outlets with shutters and 15/16 A modular switch, connections, etc. and all civil works complete as required. Switches and sockets shall be suitable for mounting on PVC raceway System		55 Each		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
2.13	Supply, installation, testing & commissioning of following 20 Amps, 240 volts, 2P+E, Industrial Socket Outlet (with plugs) in a metal box with 32 Amp SP MCB in a sheet steel cover on surface or recess complete with all accessories including connections, testing and commissioning etc. as required.	4	Each		

Note : Unless otherwise specified conduiting is to be done in recess.

**SubHead-2- Total**

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>3.00</b>	<b>LIGHT FIXTURES AND FANS</b>				
3.01	Supply of following light fixture with copper ballast, starter, capacitor, tubes/lamps, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories as required.				
	i) 2X36watt Surface mounted Mirror Optics fluorescent light (Crompton Greaves make CSBW 1124EB or approved equivalent).	42	Each		
	ii) 2X36watt Surface mounted Mirror Optics fluorescent light (Crompton Greaves make CSBE 236MLUB or approved equivalent).	18	Each		
	iii) 1X36watt Surface Ceiling/wall mounted box type fluorescent light	20	Each		
	iv) 2X36watt Surface Ceiling/wall mounted industrial type fluorescent light (Crompton Greaves make IGP1414EB or equivalent)	30	Each		
	v) 1X36watt Surface mounted Mirror Optics fluorescent light .	30	Each		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
3.02	Installation, testing and commissioning of prewired, fluorescent fittings of all types, complete with all accessories and tube etc. directly on ceiling/false ceiling, including connections with 1.5 sq.mm. PVC insulated, copper conductor, single core cable etc. as required.	50	Each		
3.03	Installation, testing and commissioning of prewired, fluorescent fittings of all types, complete with all accessories and tube etc. on ceiling with Down Rods of required length, including connections with 1.5 sq.mm. PVC insulated, stranded copper conductor, single core cable etc. as required. (Wiring is to be done with 3 core stranded copper conductor flexible cable in case of ceiling rose is to be provided)	80	Each		
3.04	Dismantling of existing all types of fluorescent/compact fluorescent light fixture with all accessories including switch and switchboard and handling over the same to the concerned officials complete as required.		Lump Sum		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
3.05	Supply of following compact fluorescent light fixture with copper ballast, starter, capacitor, lamps, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories complete as required.				
	i) 1X13watt surface mounted CFL Light	90	Each		
	ii) 1X11 watt surface mounted CFL Light (Crompton Greaves Make TLN 11 or approved equivalent).	42	Each		
	iii) 2X9 watt, Surface mounted compact fluorescent light	315	Each		
	iv) 1X9 watt Bulk head light fixture (Philips FXC101 or equivalent)	3	Each		
	v) 2X18 watt, Surface mounted compact fluorescent light (GE make GE CFL 2X18 DN AO S(LENTO) or equivalent)	9	Each		
	vi) 2X11 watt surface mounted mirror optics CFL Light (Philips TLE211 or approved equivalent).	14	Each		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
3.06	Installation, testing and commissioning of prewired, CFL light fittings of all types, complete with all accessories and tube etc. directly on ceiling/ wall/ false ceiling, including connections with 1.5 sq.mm. PVC insulated, copper conductor, single core cable etc. as required.	668	Each		
3.07	Supply and fixing of wall bracket 2x11w with MS body/housing holder etc. complete with all fixing accessories as required. MS body (Type-1 for living room)make- ankur -XLW-010/0009 or equivalent	4	Each		
3.08	Supply and fixing of hanging light MS body/housing holder etc. complete with all fixing accessories as required. (for Dinning room)make- ankur -XHL-IP/0057or equivalent	2	Each		
3.09	Supply and fixing of wall bracket 2x11w with MS body/housing holder etc. complete with all fixing accessories as required. MS body (Type-2 for bedroom)ankur -XLW-010/0012 equivalent	6	Each		
3.10	Supply and fixing of chandillier 6X11w with MS body/housing holder etc. complete with all fixing accessories as required. MS body (Type-1 for living room)	1	Each		
3.11	Supply and fixing of following light fixture with MS body/housing holder etc. complete with all fixing accessories as required.				
	i) Brass Batten Holder	5	Each		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
3.12	Supply, installation, testing & commissioning of following ceiling fans complete with double ball bearing, motor, blades, downrod, canopies, capacitor, modular type electronic fan regulator etc. wiring & providing the down rod of suitable length and connection with 1.5 sqmm PVC insulated, copper conductor single core cable as required. earthing of fan with suitable wire, suitable for operation on 230 volts, 50 Hz., 1 phase, AC supply complete as required.				
	i) 1200 mm sweep.	43	Each		
3.12	Dismantling of existing ceiling fans, exhaust fan and wall fan complete with double ball bearing, motor, blades, downrod, canopies, capacitor, with all accessories and handing over the material to the concerned officials complete as required				
			Lump Sum		
3.13	Supply of following sizes of heavy duty exhaust fan suitable for single phase 230 volts, 50 Hz., AC supply complete with motor, louvers/shutters etc. complete as required including Installation, testing & commissioning of exhaust fans in the opening, including making the hole to suit the size of the above fan, making good the damage, connections, earthing, testing, commissioning etc and fixing louvers/ shutters complete with frame complete as required.				
	i) 205mm (Director's Bangalow)	8	Each		
	ii) 300mm	55	Each		
	iii) 450mm (Kitchen)	12	Each		
	<b>SubHead-3- Total</b>				

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>4.00</b>	<b>TELEPHONE SYSTEM</b>				
4.01	Supply and fixing of following sizes of steel conduit alongwith the accessories in recess including painting, or cutting the wall and making good the same in case of conduit as recessed required.				
	i) 20 mm dia	125	Metre		
	ii) 25 mm dia	35	Metre		
4.02	Supply and installation of 100mmX50mm double compartment PVC raceway system on surface including dividers, bends, tees, end covers and all accessories and all associated civil works complete as required.				
		55	Metre		
4.03	Supplying and fixing 2 module modular metal box on surface or in recess including providing and fixing following no., following modular telephone socket outlet, base plate, modular connections, etc.complete as required.				
	i) 1 pair cord outlet (Jack Type)	22	Each		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
4.04	Supply, installation, testing & commissioning of suitable modular box on existing PVC raceway including providing and fixing jack type modular Telephone Outlet, base plate, modular cover plate, connections, etc. and all civil works complete as required.				
		15	Each		
4.05	Supply and drawing of following sizes of 0.61mm dia annealed tinned copper conductor PVC insulated and PVC sheathed unarmoured telephone cable in existing recess steel conduit or in existing PVC raceway System complete as required				
	i) 2 Pair	280	Meter		
4.06	Supplying, Installation, testing and commissioning of following sizes of telephone distribution board in M.S. hinged type box duly painted complete with Krone type tag block etc. including terminations of cable as required.				
	i) 10 Pair	5	Each		
4.07	Supply and laying (in ground including excavation, sand cushioning, protective covering and refilling the trench etc. or on surface or in existing RCC/GI pipe) of following sizes of 0.61mm dia annealed tinned copper conductor PVC insulated and PVC sheathed armoured telephone cable complete as required				
	i) 10 Pair	100	Metre		
4.07	Supply, installation, testing and commissioning of following telephone instruments as per technical specifications, connectors. wires and as required :				

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
	i) Electronic push button subscriber telephone instruments DOT approved		22 Nos		

**SubHead-4- Total**

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>5.00</b>	<b>CABLES &amp; CABLE TRAY</b>				
5.01	Supply of following sizes of 1.1 kV grade multicore aluminum conductor PVC sheathed cable as per relevant IS code including straight cable joints if required. i) 3.5 Core, 120 sqmm (Al Conductor, Armoured)		50 Metre		
5.02	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated & PVC sheathed/ XLPE aluminum conductor cable of 1.1 kV grade complete as required. i) 3.5 Core, 120 sqmm (Al Conductor, Armoured)		2 Each		
5.03	Laying of one number PVC insulated and PVC sheathed power cable 1.1kV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. with testing and commissioning of cables complete as required. The scope also includes cutting the hard rock if required.		30 Metre		
5.04	Laying of one number PVC insulated and PVC sheathed power cable 1.1kV grade on surface or on existing cable tray . with teting and commissioning of cables complete as required.		20 Metre		

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
5.05	Fabricating and installing following size of perforated M.S. cable trays including horizontal and vertical bends, reducers, tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders and including painting etc. as required :-  i) 100 mm. width x 50 mm. depth x 1.6 mm. thickness		20 Metre		
	<b>SubHead-5- Total</b>				

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>6.00</b>	<b>EARTHING, SAFETY EQUIPMENTS AND MISC. ITEMS</b>				
6.01	Earthing with GI plate 600mmX600mmX6mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required		2 Set		
6.02	Extra for using charcoal and salt for GI or copper plate earth electrode as required.		2 Set		
6.03	Supplying and laying 25mmX5mm GI strip at 0.5mm below ground level as strip earth electrode, including soldering etc. as required.		25 Metre		
6.04	Providing and fixing 25mmX5mm GI strip on surface/on existing cable trench/RCC pipe or in recess for earth electrode as required.		20 Metre		
6.05	Providing and laying of following sizes non pressure NP2 class (light duty) RCC pipe with colar joint with stiff mixture of cement (1 cement : 2 fine sand) including testing the joints etc. as required.				
	i) 100mm dia		12 Metre		
	ii) 150mm dia		15 Metre		
6.06	Providing & fixing G.I. pipe complete with G.I. fitting including trenching & refilling etc. (for cable entry)				
	i) 50 mm dia nominal bore		5 Metre		
6.07	Supplying and laying of 1.1kV grade 1 metre wide anti skid chequered type rubber mat.		4 Metre		
	<b>SubHead-6- Total</b>				

S.No.	Description.	Qty.	Unit.	Rate in Figures (in Rs.)	Amount in Figures ( in Rs.)
1	2	3	4	5	7
<b>7.00</b>	<b>PROVISION FOR CABLE TV</b>				
7.01	Supplying and fixing 2 module modular metal box on surface or in recess including providing and fixing 1 No., Coaxial TV Outlet, connections, etc.complete as required		10 Each		
7.02	Supply and drawing Coaxial TV Cable (LCG-21) in existing MS conduit complete as required.		50 Metre		
7.03	Supply and fixing of following sizes of steel conduit alongwith the accessories in recess including painting, or cutting the wall and making good the same in case of conduit as recessed required i) 20 mm dia		45 Metre		
	<b>SubHead-7- Total</b>				