

**TRIPURA SCHEDULE OF RATES  
(INTERNAL ELECTRIFICATION WORKS)  
2021**

**SCHEDULE OF RATES**

**PWD, Government of Tripura**

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>100</b>	<b>PVC Insulated Copper conductor wiring in PVC casing capping with piano type switch, socket etc.</b>		
<b>101</b>	Wiring for light / fan / exhaust fan / call bell point with 2 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc casing and capping complete with wooden switch board with bakelite cover and piano type switch including connection etc as required:-		
	a) Short Point :-	Each	354.00
	b) Medium Point :-	Each	514.00
	c) Long Point :-	Each	664.00
<b>102</b>	Wiring for 2 way controlling light point with 3 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc casing and capping complete with wooden switch board with bakelite cover and piano type 2 way switch including connection etc as required:-		
	a) Short Point :-	Each	466.00
	b) Medium Point :-	Each	687.00
	c) Long Point :-	Each	890.00
<b>103</b>	Providing and fixing of 3 pin 5/6 amps plug point with piano type 5/6 amps switch and socket including connection with 2x1.5 sq. mm PVC insulated Copper conductor cable (FR) on switch board, earthing the 3rd pin etc. as required:-	Each	152.00
<b>104</b>	Providing and fixing of 3/6 pin 15/16 amps plug point with piano type 15/16 amps switch and socket including connection with 2x2.5 sq. mm PVC insulated Copper conductor cable (FR) on switch board, earthing the 3rd pin etc. as required:-	Each	335.00
<b>105</b>	Wiring for light / fan / exhaust fan / call bell point with 2 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc casing and capping complete with PVC switch board and fancy type switch with cover plate including connection etc as required:-		
	a) Short Point :-	Each	383.00
	b) Medium Point :-	Each	543.00
	c) Long Point :-	Each	693.00
<b>106</b>	Wiring for 2 way controlling light point with 3 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc casing and capping complete with PVC switch board and fancy type 2 way switch with cover plate including connection etc as required:-		
	a) Short Point :-	Each	511.00
	b) Medium Point :-	Each	732.00
	c) Long Point :-	Each	935.00
<b>107</b>	Providing and fixing of 3 pin 5/6 amps plug point with fancy type 5/6 amps switch and socket with cover plate including connection with 2x1.5 sq. mm PVC insulated Copper conductor cable (FR) on PVC switch board, earthing the 3rd pin etc. as required:-	Each	197.00
<b>108</b>	Providing and fixing of 3/6 pin 15/16 amps plug point with fancy type 15/16 amps switch and socket with cover plate including connection with 2x2.5 sq. mm PVC insulated Copper conductor cable (FR) on PVC switch board, earthing the 3rd pin etc. as required:-	Each	423.00

Sl. No.	Description of item	Unit	Rate ( ` )
<b>200</b>	<b>PVC Insulated Copper conductor wiring in PVC casing capping with modular type switch, socket &amp; board.</b>		
<b>201</b>	Wiring for light / fan / exhaust fan / call bell point with 2 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc casing and capping complete with 6/10 amps modular type switch, cover plate, surface modular switch board including connection etc as required:-		
	a) Short Point :-	Each	401.00
	b) Medium Point :-	Each	593.00
	c) Long Point :-	Each	743.00
<b>202</b>	Wiring for 2 way controlling light point with 3 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc casing and capping complete with 6/10 amps modular type 2 way switch, cover plate, surface modular switch board including connection etc as required:-		
	a) Short Point :-	Each	824.00
	b) Medium Point :-	Each	1077.00
	c) Long Point :-	Each	1280.00
<b>203</b>	Providing and fixing of 3 pin 6/10 amps plug point with modular type 6/10 amps switch and socket including connection with 2x1.5 sq. mm PVC insulated Copper conductor cable (FR) on surface modular switch board, earthing the 3rd pin etc. as required:-	Each	329.00
<b>204</b>	Providing and fixing of 3/6 pin 16/20 amps plug point with modular type 16/20 amps switch and socket including connection with 2x2.5 sq. mm PVC insulated Copper conductor cable(FR) on surface modular switch board, earthing the 3rd pin etc. as required:-	Each	502.00
<b>205</b>	Wiring for circuit /Sub-main with following sizes PVC insulated copper conductor cable (FR) in PVC casing and capping etc. as required.		
	a) 2 X 1.5 sq mm	/mtr	61.00
	b) 2 X 2.5 sq mm	/mtr	81.00
	c) 2 X 4 sq mm	/mtr	112.00
	d) 2 X 6 sq mm	/mtr	162.00
	e) 2 X 10 sq mm	/mtr	253.00
	f) 2 X 16 sq mm	/mtr	373.00
	g) 3 X 1.5 sq mm	/mtr	88.00
	h) 3 X 2.5 sq mm	/mtr	118.00
	i) 3 X 4 sq mm	/mtr	165.00
	j) 3 X 6 sq mm	/mtr	245.00
	k) 3 X 10 sq mm	/mtr	367.00
	l) 3 X 16 sq mm	/mtr	533.00
	m) 4 X 1.5 sq mm	/mtr	107.00
	n) 4 X 2.5 sq mm	/mtr	146.00
	o) 4 X 4 sq mm	/mtr	209.00
	p) 4 X 6 sq mm	/mtr	295.00
	q) 4 X 10 sq mm	/mtr	465.00
	r) 4 X 16 sq mm	/mtr	715.00
	s) 4 X 25 sq mm	/mtr	1094.00
	t) 4 X 35 sq mm	/mtr	1514.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>300</b>	<b>PVC Insulated Copper conductor wiring in PVC conduit on surface with piano type switch, socket.</b>		
<b>301</b>	Wiring for light / fan / exhaust fan / call bell point with 2 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc conduit (medium gauge) complete with wooden switch board with bakelite cover and piano type switch including connection etc as required:-		
	a) Short Point :-	Each	384.00
	b) Medium Point :-	Each	561.00
	c) Long Point :-	Each	729.00
<b>302</b>	Wiring for 2 way controlling light point with 3 x 1.5 sq.mm pvc insulated Copper conductor cable (FR) in pvc conduit (medium gauge) complete with wooden switch board with bakelite cover and piano type 2 way switch including connection etc as required:-		
	a) Short Point :-	Each	489.00
	b) Medium Point :-	Each	713.00
	c) Long Point :-	Each	923.00
<b>303</b>	Wiring for light / fan / exhaust fan / call bell point with 2 x1.5 sq. mm pvc insulated Copper conductor cable (FR) in pvc conduit (medium gauge) complete with pvc switch board and fancy type switch with cover plate including connection etc as required.		
	a) Short Point :-	Each	414.00
	b) Medium Point :-	Each	590.00
	c) Long Point :-	Each	758.00
<b>304</b>	Wiring for 2 way controlling light point with 3 x 1.5 sq.mm pvc insulated Copper conductor cable (FR) in pvc conduit (medium gauge) complete with pvc switch board and fancy type 2 way switch with cover plate including connection etc as required.		
	a) Short Point :-	Each	517.00
	b) Medium Point :-	Each	741.00
	c) Long Point :-	Each	951.00
<b>305</b>	Wiring for Circuit/Sub-main with the following sizes PVC insulated Copper conductor cable (FR) in PVC conduit including connection etc. as required:-		
	a) 2 X 1.5 sq mm	/mtr	64.00
	b) 2 X 2.5 sq mm	/mtr	85.00
	c) 2 X 4 sq mm	/mtr	118.00
	d) 2 X 6 sq mm	/mtr	160.00
	e) 2 X 10 sq mm	/mtr	251.00
	f) 2 X 16 sq mm	/mtr	381.00
	g) 3 X 1.5 sq mm	/mtr	86.00
	h) 3 X 2.5 sq mm	/mtr	116.00
	i) 3 X 4 sq mm	/mtr	166.00
	j) 3 X 6 sq mm	/mtr	225.00
	k) 3 X 10 sq mm	/mtr	365.00
	l) 3 X 16 sq mm	/mtr	580.00
	m) 4 X 1.5 sq mm	/mtr	106.00
	n) 4 X 2.5 sq mm	/mtr	151.00
	o) 4 X 4 sq mm	/mtr	209.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
p)	4 X 6 sq mm	/mtr	297.00
q)	4 X 10 sq mm	/mtr	467.00
r)	4 X 16 sq mm	/mtr	740.00
s)	4 X 25 sq mm	/mtr	1192.00
t)	4 X 35 sq mm	/mtr	1657.00

<b>400</b>	<b>PVC Insulated Copper conductor wiring in concealed PVC conduit with modular type switch, socket etc.</b>		
<b>401</b>	Wiring for light/ fan/ exhaust fan/ call bell point with 2x1.5 sq. mm PVC insulated copper conductor cable (FR) in PVC conduit (medium gauge) recessed in slab/ wall complete with 6/10 amps modular type switch, cover plate, GI box including necessary connection etc. as required.	Each	955.00
<b>402</b>	Wiring for 2 way controlling light point with 3x1.5 sq. mm PVC insulated copper conductor cable (FR) in PVC conduit (medium gauge) recessed in slab/ wall complete with 6/10 amps modular type 2 way switch, cover plate, GI box including necessary connection etc. as required.	Each	1324.00
<b>403</b>	Providing and fixing of 3 pin 6/10 amps plug point with modular type 6/10 amps switch and socket including connection with 2 x 1.5 sq. mm PVC insulated Copper conductor cable (FR) on modular concealed switch board with cover plate earthing the 3rd pin etc. as required.	Each	412.00
<b>404</b>	Providing and fixing of 3/6 pin 16/20 amps plug point with modular type 16/20 amps switch and socket including connection with 2 x 2.5 sq. mm PVC insulated Copper conductor cable (FR) on modular concealed switch board with cover plate earthing the 3rd pin etc. as required.	Each	556.00
<b>405</b>	Wiring for Circuit/Sub-main with the following sizes PVC insulated Copper conductor cable (FR) in PVC conduit (medium gauge) recessed in slab/ wall etc. as required:-		
a)	2 X 1.5 + 1 X 1.5 sq mm	/mtr	98.00
b)	2 X 2.5 + 1 X 1.5 sq mm	/mtr	118.00
c)	2 X 4 + 1 X 1.5 sq mm	/mtr	166.00
d)	2 X 6 + 1 X 2.5 sq mm	/mtr	196.00
e)	2 X 10 + 1 X 4 sq mm	/mtr	319.00
f)	2 X 16 + 1 X 6 sq mm	/mtr	497.00
g)	4 X 4 + 2 X 1.5 sq mm	/mtr	268.00
h)	4 X 6 + 2 X 2.5 sq mm	/mtr	365.00
i)	4 X 10 + 2 X 4 sq mm	/mtr	607.00
j)	4 X 16 + 2 X 6 sq mm	/mtr	884.00
k)	4 X 25 + 2 X 10 sq mm	/mtr	1379.00
l)	4 X 35 + 2 X 10 sq mm	/mtr	1814.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>500</b>	<b>PVC Insulated Copper/Aluminium conductor wiring in existing PVC casing capping/conduit in recess/surface.</b>		
<b>501</b>	Wiring for light/ fan/ exhaust fan/ call bell point with 2x1.5 sq. mm PVC insulated copper conductor cable (FR) in existing PVC conduit (medium gauge) recessed in slab/ wall complete with 6/10 amps modular type switch, cover plate, GI box including necessary connection etc. as required.	Each	667.00
<b>502</b>	Wiring for 2 way controlling light point with 3x1.5 sq. mm PVC insulated copper conductor cable (FR) in PVC conduit (medium gauge) recessed in slab/ wall complete with 6/10 amps modular type 2 way switch, cover plate, GI box including necessary connection etc. as required.	Each	961.00
<b>503</b>	Wiring for Circuit/Sub-main with the following sizes of PVC insulated Copper conductor cable (FR) in existing PVC casing capping/ conduit in recess/surface including connection etc. as required:-		
	a) 1 X 1.5 sq mm	/mtr	21.00
	b) 1 X 2.5 sq mm	/mtr	31.00
	c) 1 X 4 sq mm	/mtr	45.00
	d) 1 X 6 sq mm	/mtr	64.00
	e) 1 X 10 sq mm	/mtr	107.00
	f) 1 X 16 sq mm	/mtr	165.00
	g) 2 X 1.5 sq mm	/mtr	38.00
	h) 2 X 2.5 sq mm	/mtr	58.00
	i) 2 X 4 sq mm	/mtr	87.00
	j) 2 X 6 sq mm	/mtr	125.00
	k) 2 X 10 sq mm	/mtr	209.00
	l) 2 X 16 sq mm	/mtr	326.00
	m) 4 X 4 sq mm	/mtr	171.00
	n) 4 X 6 sq mm	/mtr	247.00
	o) 4 X 10 sq mm	/mtr	416.00
	p) 4 X 16 sq mm	/mtr	650.00
	q) 4 X 25 sq mm	/mtr	1012.00
	r) 4 X 35 sq mm	/mtr	1399.00
	s) 4 X 50 sq mm	/mtr	1984.00
	t) 4 X 70 sq mm	/mtr	2879.00
	u) 4 X 95 sq mm	/mtr	3791.00
	v) 4 X 120 sq mm	/mtr	4864.00
<b>504</b>	Wiring for Circuit/Sub-main with the following sizes of PVC insulated Aluminium conductor cable in existing PVC casing capping/ conduit including connection etc. as required:-		
	a) 2 X 1.5 sq mm	/mtr	14.00
	b) 2 X 2.5 sq mm	/mtr	19.00
	c) 2 X 4 sq mm	/mtr	24.00
	d) 2 X 6 sq mm	/mtr	32.00
	e) 2 X 10 sq mm	/mtr	48.00
	f) 4 X 6 sq mm	/mtr	62.00
	g) 4 X 10 sq mm	/mtr	94.00
	h) 4 X 16 sq mm	/mtr	138.00

<i>Sl. No.</i>	<i>Description of item</i>	<i>Unit</i>	<i>Rate ( ` )</i>
<b>600</b>	<b><i>Wiring accessories (surface/recessed)</i></b>		
<b>601</b>	Supplying and fixing of the following PVC casing capping with all accessories etc. as required.		
	a) 20mm x 12mm	/mtr	39.00
	b) 25mm x 12mm	/mtr	45.00
	c) 32mm x 12mm	/mtr	54.00
	d) 38mm x 16mm	/mtr	80.00
	e) 50mm x 16mm	/mtr	116.00
<b>602</b>	Supplying and fixing of the following sizes PVC conduit (medium gauge) on surface with all accessories etc. as required.		
	a) 19/20 mm dia	/mtr	43.00
	b) 25 mm dia	/mtr	59.00
	c) 32 mm dia	/mtr	100.00
	d) 40 mm dia	/mtr	149.00
	e) 50 mm dia	/mtr	218.00
<b>603</b>	Supplying and fixing of the following PVC conduit (medium gauge) with all accessories on slab/recessed on wall etc as required.		
	a) 19/20 mm dia	/mtr	66.00
	b) 25 mm dia	/mtr	81.00
	c) 32 mm dia	/mtr	121.00
	d) 40 mm dia	/mtr	172.00
	e) 50 mm dia	/mtr	242.00
<b>604</b>	Supplying and fixing of the following electrical accessories including necessary connection etc. as required.		
	a) 5/6 amps piano type switch	Each	33.00
	b) 5/6 amps piano type 2-way switch	Each	51.00
	c) 5/6 amps fancy type switch with cover plate	Each	58.00
	d) 5/6 amps fancy type 2-way switch with cover plate	Each	70.00
	e) 16/20 amps piano type switch	Each	126.00
	f) 16/20 amps fancy type switch with cover plate	Each	173.00
	g) 5/6 amps piano type call bell push	Each	51.00
	h) 5/6 amps fancy type call bell push with cover plate	Each	70.00
	i) 3 pin 5/6 amps piano type socket	Each	73.00
	j) 3 pin 5/6 amps fancy type socket with cover plate	Each	94.00
	k) 3/6 pin 16/20 amps piano type socket	Each	132.00
	l) 3/6 pin 16/20 amps fancy type socket with cover plate	Each	173.00
	m) Electronic 4 step mini fan regulator	Each	290.00
	n) Electronic 5 step fan regulator	Each	322.00
	o) Electronic fancy type 4 step mini fan regulator with cover plate	Each	332.00
	p) Electronic fancy type 5 step fan regulator with cover plate	Each	366.00
	q) Pandent holder	Each	49.00
	r) Angle/batten holder	Each	51.00
	s) Ceiling rose	Each	39.00
	t) Buzzer Call bell	Each	104.00
	u) Ding dong call bell	Each	170.00
	v) Musical call bell	Each	250.00
	w) Remote controlled call bell	Each	640.00
	x) 2.5 mfd fan capacitor	Each	53.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	y) Side holder for FTL/T5	Each	27.00
	z) Side holder for pin type CFL	Each	60.00
	aa) Holder for 70/150 w HPSV/MH lamp	Each	160.00
	ab) Holder for 250/400 w HPSV/MH lamp	Each	173.00
	ac) 3mm thick bakelite sheet	/sq inch	2.00
	ad) 5 amps power top:-	Each	72.00
	ae) 15 amps power top:-	Each	106.00
	af) 32 amps DP kit kat switch:-	Each	146.00
	ag) Gong bell	Each	145.00
<b>605</b>	Supplying and fixing of the following sizes wooden switch boards with 3mm thick bakelite cover etc. as required.		
	a) 102mm x 102mm (4" X 4") :-	Each	35.00
	b) 102mm x 178mm (4" X 7") :-	Each	46.00
	c) 152mm x 203mm (6" X 8") :-	Each	58.00
	d) 203mm x 254mm (8" X 10") :-	Each	82.00
	e) 203mm x 300mm (8" X 12") :-	Each	99.00
	f) 254mm x 300mm (10" X 12") :-	Each	140.00
	g) 300mm x 380mm (12" X 15") :-	Each	199.00
<b>606</b>	Supplying and fixing of the following sizes PVC switch boards with cover etc. as required.		
	a) 75mm x 75mm (3" X 3") :-	Each	14.00
	b) 102mm x 102mm (4" X 4")	Each	58.00
	c) 102mm x 178mm (4" X 7") :-	Each	76.00
	d) 152mm x 203mm (6" X 8") :-	Each	105.00
	e) 203mm x 254mm (8" X 10") :-	Each	129.00
<b>607</b>	Supplying and fixing of the following sizes GI (in recess) and plastic (on surface) modular switch boards etc. as required.		
	a) 1-2 module GI switch board:-	Each	179.00
	b) 3 module GI switch board:-	Each	191.00
	c) 4 module GI switch board:-	Each	201.00
	d) 6 module GI switch board:-	Each	242.00
	e) 8 module GI switch board:-	Each	264.00
	f) 12 module GI switch board:-	Each	302.00
	g) 16 module GI switch board:-	Each	320.00
	h) 18 module GI switch board:-	Each	345.00
	i) 1-2 module plastic switch board:-	Each	74.00
	j) 3 module plastic switch board:-	Each	85.00
	k) 4 module plastic switch board:-	Each	95.00
	l) 6 module plastic switch board:-	Each	120.00
	m) 8 module plastic switch board:-	Each	134.00
	n) 12 module plastic switch board:-	Each	179.00
<b>608</b>	Supplying and fixing of the following sizes modular type cover plates for GI/plastic modular switch boards etc. as required.		
	a) 1-2 module :-	Each	88.00
	b) 3 module :-	Each	104.00
	c) 4 module :-	Each	122.00
	d) 6 module :-	Each	162.00



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	e) 8 module :-	Each	209.00
	f) 12 module :-	Each	263.00
	g) 16 module :-	Each	320.00
	h) 18 module :-	Each	337.00
<b>609</b>	Supplying and fixing of the following modular accessories including necessary connection etc. as required.		
	a) 6/10 amps one way SP switch (1M) :-	Each	73.00
	b) 6/10 amps two way SP switch (1M) :-	Each	122.00
	c) 16/20 amps one way SP switch (1M) :-	Each	145.00
	d) Bell push SP (1M) :-	Each	144.00
	e) 32 amps one way DP switch (2M):-	Each	390.00
	f) 3 pin 6/10 amps socket outlet (2M):-	Each	139.00
	g) 3/6 pin 16/20 amps socket outlet (2M):-	Each	204.00
	h) 3/6 pin 25 amps socket outlet (2M):-	Each	255.00
	i) 4 step fan regulator (1M):-	Each	388.00
	j) 5 step fan regulator (2M):-	Each	440.00
	k) RJ11 telephone socket outlet (1M):-	Each	118.00
	l) RJ45 LAN socket outlet (1M):-	Each	396.00
	m) TV socket outlet (1M):-	Each	118.00
	n) Switch board indicator lamp (1M):-	Each	93.00
	o) Buzzer call bell (1M):-	Each	242.00
	p) Blank plate (1M):-	Each	32.00
	q) Louvers/opaque type LED foot lamp (4M):-	Each	553.00
	r) 20/25 amps single phase motor starter switch (2M):-	Each	401.00

<b>700</b>	<b>Earthing</b>		
<b>701</b>	Earthing with 40 mm dia G.I. Earth pipe (medium gauge) 4.5 m. long complete with masonry enclosure on top CI cover plate size 12"x 12" having locking arrangement including CC work, holes on earth pipe etc. as required.	Each	3829.00
<b>702</b>	Extra for using salt (5 kg) and charcoal (46kg) for pipe earth electrode as required.	Each	780.00
<b>703</b>	Earthing with Copper earth plate 600 mm x 600 mm x 3 mm thick i/c accessories and providing masonry enclosure with CI cover plate Size 12"x 12" having locking arrangement, along with 20 mm dia (medium gauge) watering pipe including CC work etc as required:-	Each	14532.00
<b>704</b>	Earthing with G.I. earth plate 600 mm x 600 mm x 6 mm thick i/c accessories and providing masonry enclosure with CI cover plate Size 12"x 12" having locking arrangement, along with 20 mm dia (medium gauge) watering pipe including CC work etc as required:-	Each	7538.00
<b>705</b>	Extra for using salt (12 kg) and charcoal (96kg) for plate earth electrode as required.	Each	1590.00
<b>706</b>	Proving and fixing / drawing of 4.06 mm dia (8 SWG) G.I. wire on surface or in existing G.I./ PVC/ Polythene pipe for loop earthing as required.	/mtr	24.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
707	Proving and fixing / Drawing 4.06 mm dia (8 SWG) Copper wire on surface or in existing G.I / PVC / Polythene pipe for loop earthing as required.	/mtr	137.00
708	Supplying and drawing 2.5 sq. mm Copper conductor wire along with other wire for loop earthing including connection etc. as required.	/mtr	22.00
709	Supplying and drawing 4 sq. mm Copper conductor wire along with other wire for loop earthing including connection etc. as required.	/mtr	32.00
710	Providng and laying 15mm dia(medium gauge) G.I. pipe for drawing of 4.06mm (8SWG) dia G.I./ Copper wire for earth connection from earth electrodes etc as required.	/mtr	193.00
711	Earthing with 40 mm dia G.I earth pipe (medium gauge) ( above 4.5m long normal size) i/c necessary hole etc as required.	/mtr	528.00
712	Supply and fixing of 25mm x 5mm GI strip on wall/ floor of the building for horizontal/ vertical run including necessary spacers and porcelain insulators at regular intervals.	/mtr	291.00
713	Supply and fixing of 32mm x 6 mm GI strip on walls/ floor of the building for horizontal/ vertical run including necessary spacers and porcelain insulators at regular intervals.	/mtr	374.00
714	Supply and fixing of 25mm x 3mm Copper on walls/ floor of the building for horizontal/ vertical network including necessary spacers and porcelain insulators at regular intervals.	/mtr	859.00
715	Supply and fixing of 32mm x 6 mm Copper strip on walls/ floor of the building for hoizontal/ vertical network including necessary spacers and porcelain insulators at regular intervals.	/mtr	2041.00
716	Supply and fixing of the following sizes GI prong with necessary nuts & bolts etc as required grouted on roof for Lightning protection.		
	a) G.I Prong 450 mm long	Each	764.00
	b) G.I Prong 1000 mm long	Each	1099.00
	c) Copper. Prong 450 mm long	Each	1433.00
	d) Copper. Prong 1000 mm long	Each	2169.00
717	Providing earthing system with maintenance free earthing electrode of 50 mm dia & 3 mtr long of dual electrode technology filled with highly conductive compound and back fill compound of 2 nos. 25 kg bag, terminal size 32mmx 6mm including accessories with masonry enclosure of CI cover plate size 12"x 12" having locking arrangement including CC works etc as required:-	Each	8727.00

<b>800</b>	<b>Ceiling fan/Exhaust fan/Padestal fan/ Air circulator.</b>		
801	Supplying & fixing of 900 mm sweep white color AC ceiling fan capacitor type double ball bearing complete with 300 mm down rod,canopies,shackles, 3nos blades, including wiring the down rod with 2x1.5 sqmm PVC insulated Copper conductor cable(FR) :-	Each	1866.00
802	Supplying & fixing of 1200 mm sweep white color AC ceiling fan capacitor type double ball bearing complete with 300 mm down rod,canopies,shackles, 3nos blades, including wiring the down rod with 2x1.5 sqmm PVC insulated Copper conductor cable(FR) (ISI marked, BEE 1 star/minimum service value 4.0 m <sup>3</sup> /min/W) :-	Each	2234.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
803	Supplying & fixing of 1200 mm sweep white color AC ceiling fan with brush less direct current (BLDC) motor having class B insulation, power factor not less than 0.9 complete with 300 mm down rod, canopies, shackle kit, 3nos blades, safety rope including wiring the down rod with 2x1.5 sqmm PVC insulated copper conductor cable(FR) (BEE 5 star/minimum service value 6.0 m <sup>3</sup> /min/W & tolerance as per IS:374-2019) :-	Each	3827.00
804	Supplying & fixing of 1400 mm sweep white color AC ceiling fan capacitor type double ball bearing complete with 300 mm down rod, canopies, shackles, 3nos blades, including wiring the down rod with 2x1.5 sqmm PVC insulated Copper conductor cable(FR) (ISI marked) :-	Each	2223.00
805	Supplying of 1200 mm sweep white color AC ceiling fan capacitor type double ball bearing complete with 300 mm down rod, canopies, shackles, 3nos blades (Without regulator) (ISI marked, BEE 1 star/minimum service value 4.0m <sup>3</sup> /min/W) :-	Each	2092.00
806	Installation, testing and commissioning of ceiling fan including wiring the down rod of standard length (up to 30 cm) by 2 x 1.5 Sq.mm PVC insulated copper conductor cable(FR) etc as required.	Each	99.00
807	Carriage of ceiling fan from store to work site.	Each	19.00
808	Supplying & installation of 400 mm sweep AC pedestal fan with plastic blade including connection etc as required:-	Each	2965.00
809	Supplying & installation of 400 mm sweep AC pedestal fan with metal blade including connection etc as required:-	Each	3827.00
810	Supplying & installation of 400 mm sweep AC wall mounting fan with metal blade including connection etc as required:-	Each	3460.00
811	Supplying & installation of 400 mm sweep AC wall mounting fan with plastic blade including connection etc as required:-	Each	2465.00
812	Supplying & installation of 450 mm sweep wall mounting air circulator including connection etc as required:-	Each	6983.00
813	Supplying & installation of 450 mm sweep AC pedestal air circulator including connection etc as required:-	Each	7718.00
814	Supplying & installation of 600 mm sweep AC wall mounting air circulator including connection etc as required:-	Each	8218.00
815	Supplying & installation of 600 mm sweep AC pedestal air circulator including connection etc as required:-	Each	9555.00
816	Supplying & installation of 225/230 mm sweep metallic body exhaust fan including connection etc as required:-	Each	1617.00
817	Supplying & installation of 300 mm sweep metallic body exhaust fan including connection etc as required:-	Each	1790.00
818	Supplying & installation of 300 mm sweep 900 rpm metallic body exhaust fan including connection etc as required (ISI marked) :-	Each	3760.00
819	Supplying & installation of 380 mm sweep 900 rpm metallic body exhaust fan including connection etc as required (ISI marked) :-	Each	4198.00
820	Supplying & installation of 450 mm sweep 1400 rpm metallic body exhaust fan including connection etc as required (ISI marked) :-	Each	5555.00
821	Supplying & installation of shutter for 225/230/300 mm sweep metallic body exhaust fan in the existing hole as required:-	Each	359.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
822	Supplying & installation of shutter for 380/450 mm sweep metallic body exhaust fan in the existing hole as required:-	Each	506.00
823	Supplying & installation of metallic fan clamp box of standard size with 3mm thick bakelite/plastic cover as required:-	Each	160.00
824	Supplying of 400 mm sweep AC padestal fan with metal blade etc as required:-	Each	3801.00
825	Supplying of 400 mm sweep AC wall mounting fan with metal blade etc as required:-	Each	3434.00
826	Supplying of 400 mm sweep AC padestal fan with plastic blade etc as required:-	Each	2939.00
827	Supplying of 400 mm sweep AC wall mounting fan with plastic blade etc as required:-	Each	2439.00
828	Supplying and fixing of Guarder for protection of 1200/ 1400 mm sweep ceiling fan made with MS flat, 6 SWG GI wire i/c painting etc as required.	Each	3407.00
829	Dismantling the existing ceiling fan and making winding by (34/35/36 S.W.G) Copper wire, varnish, oiling, greasing and re-fixing the same including wiring the down rod of standard length ( up to 30 cm ) etc. as required :-	each	750.00
830	Supplying and fixing of 20 mm dia extra down rod (GI Pipe Medium Guage) with necessary hole for installation of ceiling fan as required.	/mtr	187.00
831	Making different sizes of hole in the wall for fixing of exhaust fan including finishing the same with cement plastering and painting etc as required:	each	240.00

<b>900</b>	<b>Room heater/ Storage water heater &amp; accessories</b>		
901	Supplying and fixing of following room heater complete with 15 amps top including necessary connection etc as required.		
	a) 1000 watt fixed type room heater:-	each	1589.00
	b) 1000/1500/2000/2500 watt blower type room heater:-	each	3164.00
902	Supplying and fixing of following vertical storage water heater 5 star catagory complete with 15 amps top, connection pipes including necessary connection etc as required.		
	a) 10 litre storage capacity:-	each	10303.00
	b) 15 litre storage capacity:-	each	11658.00
	c) 25 litre storage capacity:-	each	13214.00
903	Supplying and fixing of following accessories for water heater including connection etc as required as per direction of site Engineer.		
	a) Heating element / Coil	each	998.00
	b) Thermostat/ Thermal cutout.	each	865.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1000</b>	<b>Conventional Luminaries (indoor/outdoor) &amp; accessories</b>		
<b>1001</b>	Supplying and fixing of following luminaries complete with necessary accessories and connection etc. as required (Commercial lighting fixtures with 50,000 burning hours):-		
	a) Box type single FTL fittings of CRCA steel sheet housing complete with 36/40 W FTL, electronic ballast and high quality reflector cover :-	Each	961.00
	b) Box type double FTL fittings of CRCA steel sheet housing complete with 2 nos. 36/40 W FTL, electronic ballast and high quality reflector cover: -	Each	1496.00
	c) Bulk head fittings with frosted/clear glass suitable for GLS or retrofit CFL/LED (without lamp) :-	Each	709.00
	d) Decorative wall mounting fancy bracket light fixture suitable for GLS or retrofit CFL/LED (without lamp) :-	Each	722.00
<b>1002</b>	Supplying and fixing of the following Lamps & accessories including connection etc. as required.		
	a) 15 watt GLS lamp:-	Each	25.00
	b) 25/40/60/100 watt GLS lamp:-	Each	20.00
	c) 200 watt GLS lamp:-	Each	31.00
	d) 18/20 watt T-8/T-12 FTL lamp:-	Each	57.00
	e) 36/40 watt T-8/T-12 FTL lamp:-	Each	63.00
	f) 14/28 watt T-5 lamp:-	Each	143.00
	g) 54 watt T-5 lamp:-	Each	233.00
	h) 14/15 watt retrofit CFL:-	Each	176.00
	i) 18/20 watt retrofit CFL:-	Each	233.00
	j) 23/25 watt retrofit CFL:-	Each	256.00
	k) 35 watt retrofit CFL:-	Each	369.00
	l) 45 watt retrofit CFL:-	Each	528.00
	m) 65 watt retrofit CFL:-	Each	687.00
	n) 85 watt retrofit CFL:-	Each	755.00
	o) 9 watt CFL 2 pin/4pin PL lamp :-	Each	122.00
	p) 11 watt CFL 2 pin/4pin PL lamp :-	Each	128.00
	q) 13 watt CFL 2 pin/4pin PL lamp :-	Each	150.00
	r) 18 watt CFL 2 pin/4pin PL lamp :-	Each	162.00
	s) 36 watt CFL 4pin PL lamp :-	Each	173.00
	t) 70 watt HPSV lamp:-	Each	421.00
	u) 150 watt HPSV lamp:-	Each	580.00
	v) 250 watt HPSV lamp:-	Each	636.00
	w) 400 watt HPSV lamp:-	Each	750.00
	x) 70/150 watt HPMH lamp:-	Each	920.00
	y) 250/400 watt HPMH lamp:-	Each	1147.00
	z) 70/150 watt HPMH lamp:-(double ended)	Each	693.00
	aa) 500 watt halogen lamp:-	Each	104.00
	ab) 1000 watt halogen lamp:-	Each	126.00
	ac) 36/40 watt VPIT Copper ballast:-	Each	251.00
	ad) 36/40 watt electronic ballast:-	Each	262.00
	ae) 70 watt ballast for HPSV/MH lamp:-	Each	1301.00
	af) 150 watt ballast for HPSV/MH lamp:-	Each	1936.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	ag) 250 watt ballast for HPSV/MH lamp:-	Each	2963.00
	ah) 400 watt ballast for HPSV/MH lamp:-	Each	4272.00
	ai) Ignitor for HPSV/MH lamp:-	Each	292.00
	aj) FTL starter:-	Each	18.00

<b>1100</b>	<b>LED luminaries (indoor/ outdoor), Lamps &amp; accessories</b>		
<b>1101</b>	Supplying and fixing of following surface/recess mounted LED luminaries in powder coated die cast housing complete with high efficiency polycarbonate diffuser and necessary connection etc. as required (with 50000 burning hours and minimum lumen output of 100 lm/watt):-		
	a) Surface mounted integrated 10 watt LED batten with polycarbonate diffuser:-	each	672.00
	b) Surface mounted integrated 20 watt LED batten with polycarbonate diffuser:-	each	953.00
	c) Surface mounted box type batten suitable for single 18/20 watt integrated LED tube lamp (without lamp):-	each	602.00
	d) Surface mounted box type batten suitable for double 18/20 watt integrated LED tube lamp (without lamp):-	each	703.00
	e) Recessed/Surface mounted 4ft x 1ft decorative 30/36 watt LED panel light with integral driver and high quality polycarbonate diffuser:-	each	5620.00
	f) Recessed/Surface mounted 2ft x 2ft decorative 36 watt LED panel light with integral driver and high quality polycarbonate diffuser:-	each	5620.00
	g) Recessed/Surface mounted 1ft x 1ft decorative 16/18 watt LED panel light with integral driver and high quality polycarbonate diffuser:-	each	3211.00
	h) Recessed round/Square shaped 6 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	675.00
	i) Recessed round/Square shaped 12 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	901.00
	j) Recessed round/Square shaped 15 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	1001.00
	k) Recessed round/Square shaped 18 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	1252.00
	l) Surface mounted round/Square shaped 6/7 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	1204.00
	m) Surface mounted round/Square shaped 12 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	1305.00
	n) Surface mounted round/Square shaped 18/20 watt LED downlight with integral driver and high quality polycarbonate diffuser:-	each	2057.00
<b>1102</b>	Supplying and fixing of following outdoor LED luminaries in powder coated die cast housing complete with heat resistant tempered glass/diffuser including necessary connection etc. as required (50000 burning hours and minimum lumen output of 100 lm/watt):-		
	a) 25 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	3098.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
b)	36 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	5452.00
c)	45 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	5987.00
d)	60 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	7058.00
e)	90 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	10269.00
f)	120 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	12945.00
g)	150 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	15085.00
h)	180 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	19367.00
i)	200 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	25789.00
j)	250 watt LED street light fixture with integral driver and secondary lens (IP 66):-	each	31141.00
k)	50 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	6309.00
l)	60 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	6737.00
m)	80 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	9734.00
n)	120 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	13801.00
o)	150 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	16156.00
p)	180 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	20972.00
q)	200 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	22043.00
r)	250 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	34352.00
s)	300 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	37606.00
t)	350 watt LED flood light fixture with integral driver and secondary lens (IP 66):-	each	40817.00
u)	9 watt/10 watt LED Bollard light with high quality polycarbonate diffuser (IP 65):-	each	4896.00
v)	4 watt/6 watt LED Steplight with integral driver and high quality polycarbonate diffuser:-	each	2648.00
w)	40 watt LED post top light fixture with integral driver and high quality polycarbonate diffuser (IP 65):-	each	10269.00
x)	6 watt/10 watt LED Bulkhead light with high quality polycarbonate diffuser (IP 65):-	each	1832.00
y)	LED aviation obstruction light with integral driver and high quality polycarbonate diffuser (IP 66):-	each	4776.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1103</b>	Supplying and fixing of following LED Tubes, retrofit bulbs/lamps for LED luminaries including necessary connection etc. as required:-		
a)	18/20 watt LED tube with integral driver and polycarbonate diffuser (50000 burning hours and minimum lumen output of 100lm/watt):-	each	816.00
b)	3 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	133.00
c)	5 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	141.00
d)	7 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	143.00
e)	9 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	158.00
f)	12 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	289.00
g)	14 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	314.00
h)	18 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	404.00
i)	20 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	429.00
j)	23 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	464.00
k)	30 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	765.00
l)	40 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	1067.00
m)	50 watt LED retrofit lamp with polycarbonate body and aluminium heatsink :-	each	1368.00
n)	18 watt LED PL-Lamp with integral driver and high quality polycarbonate diffuser :-	each	614.00

<b>1200</b>	<b>Switch gears</b>		
<b>1201</b>	Supplying and installation of Bus bar chamber of the following ratings and sizes made of steel sheet enclosure with all accessories including necessary connection etc. as required:-		
a)	32 amps 415 volts four strip Copper busbar chamber 4 ways of size (300mmx240mmx80mm):-	Each	1996.00
b)	63 amps 415 volts four strip Copper busbar chamber 4 ways of size (330mmx280mmx100mm):-	Each	3323.00
c)	63 amps 415 volts four strip Copper busbar chamber 6 ways of size (455mmx330mmx120mm):-	Each	4831.00
d)	100 amps 415 volts four strip Copper busbar chamber 4 ways of size (455mmx330mmx120mm):-	Each	5421.00
e)	100 amps 415 volts four strip Copper busbar chamber 6 ways of size (610mmx410mmx120mm):-	Each	7609.00



<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
f)	200 amps 415 volts four strip Copper busbar chamber 4 ways of size (455mmx330mmx120mm):-	Each	7668.00
g)	200 amps 415 volts four strip Copper busbar chamber 6 ways of size (610mmx410mmx120mm):-	Each	9720.00
h)	300 amps 415 volts four strip Copper busbar chamber 4 ways of size (455mmx330mmx120mm):-	Each	12712.00
i)	300 amps 415 volts four strip Copper busbar chamber 6 ways of size (610mmx410mmx150mm):-	Each	16578.00
j)	400 amps 415 volts four strip Copper busbar chamber 4 ways of size (455mmx330mmx120mm):-	Each	14984.00
k)	400 amps 415 volts four strip Copper busbar chamber 6 ways of size (610mmx410mmx150mm):-	Each	19474.00
l)	500 amps 415 volts four strip Copper busbar chamber 6 ways of size (610mmx410mmx150mm):-	Each	22619.00
m)	600 amps 415 volts four strip Copper busbar chamber 6 ways of size (610mmx410mmx150mm):-	Each	25986.00
<b>1202</b>	Supplying and installation of Switch disconnecter fuse unit (main switch) of the following ratings with all accessories including necessary connection etc. as required:-		
a)	16 amps 240 volts DP main switch (rewireable):-	Each	768.00
b)	32 amps 240 volts DP main switch (rewireable):-	Each	1353.00
c)	63 amps 240 volts DP main switch (rewireable):-	Each	4224.00
d)	16 amps 415 volts TPN main switch (rewireable):-	Each	1980.00
e)	32 amps 415 volts TPN main switch (rewireable):-	Each	2510.00
f)	63 amps 415 volts TPN main switch (rewireable):-	Each	4879.00
g)	100 amps 415 volts TPN main switch (rewireable):-	Each	8934.00
h)	200 amps 415 volts TPN main switch (rewireable):-	Each	14664.00
i)	32 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	4571.00
j)	63 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	5824.00
k)	100 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	9318.00
l)	125 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	11008.00
m)	160 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	11832.00
n)	200 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	15662.00
o)	250 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	18105.00
p)	315/320 amps TPN 415 volts front handle cubical main switch (HRC):-	Each	21531.00
<b>1203</b>	Supplying and installation of fuse unit kitkat/HRC/HBC of the following ratings in existing main switch/panel board including necessary connection etc as required:-		
a)	32 amps kitkat porcelain fuse unit with base(rewireable):-	Each	205.00
b)	63 amps kitkat porcelain fuse unit with base(rewireable):-	Each	397.00
c)	100 amps kitkat porcelain fuse unit with base(rewireable):-	Each	704.00
d)	200/250 amps kitkat porcelain fuse unit with base(rewireable):-	Each	1403.00
e)	300/320 amps kitkat porcelain fuse unit with base(rewireable) with extended strip:-	Each	2044.00
f)	32 amps (HRC/HBC) porcelain fuse unit with base :-	Each	249.00
g)	63 amps (HRC/HBC) porcelain fuse unit with base :-	Each	426.00
h)	100 amps (HRC/HBC) porcelain fuse unit with base:-	Each	775.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1204</b>	Supplying and installation of change over switch of following ratings with enclosure including necessary connection etc. as required:-		
	a) 32 amps DP on load change over switch (Side handle with enclosure):-	Each	1924.00
	b) 63 amps DP on load change over switch (Side handle with enclosure):-	Each	3549.00
	c) 32 amps FP on load change over switch (Side handle with enclosure):-	Each	3296.00
	d) 63 amps FP on load change over switch (Front handle with enclosure):-	Each	6169.00
	e) 100 amps FP on load change over switch (Front handle with enclosure):-	Each	7984.00
	f) 125 amps FP on load change over switch (Front handle with enclosure):-	Each	11579.00
	g) 160 amps FP on load change over switch (Front handle with enclosure):-	Each	12771.00
	h) 200 amps FP on load change over switch (Front handle with enclosure):-	Each	14917.00
	i) 250 amps FP on load change over switch (Front handle with enclosure):-	Each	20666.00
	j) 315/320 amps FP on load change over switch (Front handle with enclosure):-	Each	21746.00
	k) 400 amps FP on load change over switch (Front handle with enclosure):-	Each	31551.00
	l) 630 amps FP on load change over switch (Front handle with enclosure):-	Each	36605.00
	m) 800 amps FP on load change over switch (Front handle with enclosure):-	Each	54407.00
<b>1205</b>	Supplying and installation of change over switch of following ratings in existing enclosure/panel including necessary connection etc. as required :-		
	a) 63 amps FP on load change over switch (Front handle without enclosure):-	Each	4397.00
	b) 100 amps FP on load change over switch (Front handle without enclosure):-	Each	5736.00
	c) 125 amps FP on load change over switch (Front handle without enclosure):-	Each	8657.00
	d) 160 amps FP on load change over switch (Front handle without enclosure):-	Each	9340.00
	e) 200 amps FP on load change over switch (Front handle without enclosure):-	Each	11330.00
	f) 250 amps FP on load change over switch (Front handle without enclosure):-	Each	16311.00
	g) 315/320 amps FP on load change over switch (Front handle without enclosure):-	Each	17260.00
	h) 400 amps FP on load change over switch (Front handle without enclosure):-	Each	25294.00
	i) 630 amps FP on load change over switch (Front handle without enclosure):-	Each	29675.00
	j) 800 amps FP on load change over switch (Front handle without enclosure):-	Each	43936.00
	k) 25 amps MCB-DP change over switch (without enclosure):-	Each	1374.00
	l) 40 amps MCB-DP change over switch (without enclosure):-	Each	1629.00
	m) 40 amps MCB-FP change over switch (without enclosure):-	Each	2863.00
	n) 63 amps MCB-FP change over switch (without enclosure):-	Each	3260.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1206</b>	Supplying and installation of Automatic Transfer Switch (ATS) of following the ratings with enclosure along with UV/OV protection controller including necessary connections etc. as required:-		
	a) 125 amps Four Pole ATS : -	Each	54529.00
	b) 160 amps Four Pole ATS : -	Each	59034.00
	c) 200 amps Four Pole ATS : -	Each	61736.00
	d) 250 amps Four Pole ATS : -	Each	75080.00
	e) 315 amps Four Pole ATS : -	Each	78267.00
	f) 400 amps Four Pole ATS : -	Each	92417.00
	g) 630 amps Four Pole ATS : -	Each	101641.00
<b>1207</b>	Supplying and installation of industrial plug & socket complete with metal enclosure including necessary connection etc. as required of the following ratings (without MCB):-		
	a) 20 amps 230/240 volts single phase suitable for SP/SPN/DP MCB:-	Each	1513.00
	b) 30 amps 415 volts three phase suitable for TP/TPN/FP MCB:-	Each	3157.00
<b>1208</b>	Supplying and installation of powder coated steel sheet enclosure (MCB DB) suitable for 240/415 volts MCB/Isolator/RCCB (SP/SPN/DP/TP/TPN/FP) complete with necessary bus bar, neutral link, din rail, earth bar etc i/c connection as required.		
	a) 2 way SPN MCB DB (single door):-	Each	597.00
	b) 4 way SPN MCB DB (single door):-	Each	1060.00
	c) 4 way SPN MCB DB (double door):-	Each	1426.00
	d) (2+4) / 6 way SPN MCB DB (single door):-	Each	1149.00
	e) (2+4) / 6 way SPN MCB DB (double door):-	Each	1627.00
	f) (2+6) / 8 way SPN MCB DB (single door):-	Each	1313.00
	g) (2+6) / 8 way SPN MCB DB (double door):-	Each	1739.00
	h) (2+10) / 12 way SPN MCB DB (single door):-	Each	1538.00
	i) (2+10) / 12 way SPN MCB DB (double door):-	Each	2081.00
	j) 4 way horizontal TPN MCB DB (Single door):-	Each	2697.00
	k) 4 way horizontal TPN MCB DB (Double door):-	Each	3254.00
	l) 6 way horizontal TPN MCB DB (Single door):-	Each	3273.00
	m) 6 way horizontal TPN MCB DB (Double door):-	Each	3971.00
	n) 8 way horizontal TPN MCB DB (Single door):-	Each	4129.00
	o) 8 way horizontal TPN MCB DB (Double door):-	Each	5047.00
	p) 12 way horizontal TPN MCB DB (Single door):-	Each	6065.00
	q) 12 way horizontal TPN MCB DB (Double door):-	Each	7508.00
	r) 4 way vertical TPN MCB DB suitable for FP MCB incomer (Double door):-	Each	7995.00
	s) 4 way vertical TPN MCB DB suitable for FP MCCB incomer upto 125 amps (Double door):-	Each	9944.00
	t) 4 way vertical TPN MCB DB suitable for FP MCCB incomer upto 250 amps (Double door):-	Each	12285.00
	u) 6 way vertical TPN MCB DB suitable for FP MCB incomer (Double door):-	Each	9517.00
	v) 6 way vertical TPN MCB DB suitable for FP MCCB incomer upto 125 amps (Double door):-	Each	11367.00
	w) 6 way vertical TPN MCB DB suitable for FP MCCB incomer upto 250 amps (Double door):-	Each	13915.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	x) 8 way vertical TPN MCB DB suitable for FP MCB incomer (Double door):-	Each	10608.00
	y) 8 way vertical TPN MCB DB suitable for FP MCCB incomer upto 125 amps (Double door):-	Each	12421.00
	z) 8 way vertical TPN MCB DB suitable for FP MCCB incomer upto 250 amps (Double door):-	Each	15268.00
	aa) 12 way vertical TPN MCB DB suitable for FP MCB incomer (Double door):-	Each	14270.00
	ab) 12 way vertical TPN MCB DB suitable for FP MCCB incomer upto 125 amps (Double door):-	Each	16424.00
	ac) 12 way vertical TPN MCB DB suitable for FP MCCB incomer upto 250 amps (Double door):-	Each	20330.00
<b>1209</b>	Supplying and installation of powder coated steel sheet enclosure for 415 volts MCCB (TP/FP) complete with necessary connection etc as required:-		
	a) Enclosure suitable for MCCB upto 100 amps:-	Each	1743.00
	b) Enclosure suitable for MCCB above 100 amps upto 250 amps:-	Each	1855.00
	c) Enclosure suitable for MCCB above 250 amps upto 400 amps:-	Each	6158.00
	d) Enclosure suitable for MCCB above 400 amps upto 800 amps:-	Each	7498.00
<b>1210</b>	Supplying, installation, testing & commissioning of powder coated prewired panel board suitable for 415 volts TP MCCB as incomer & outgoing including busbar & connection as required of the following ratings & sizes:-		
	a) 4 way TP MCCB outgoing & TP MCCB incomer upto 400 amps:-	Each	41935.00
	b) 6 way TP MCCB outgoing & TP MCCB incomer upto 400 amps:-	Each	46793.00
	c) 8 way TP MCCB outgoing & TP MCCB incomer upto 400 amps:-	Each	47774.00
	d) 12 way TP MCCB outgoing & TP MCCB incomer upto 400 amps:-	Each	61148.00
	e) 16 way TP MCCB outgoing & TP MCCB incomer upto 400 amps:-	Each	71909.00
	f) 8 way TP MCCB outgoing & TP MCCB incomer above 400 amps upto 800 amps:-	Each	77388.00
	g) 12 way TP MCCB outgoing & TP MCCB incomer above 400 amps upto 800 amps:-	Each	102225.00
	h) 16 way TP MCCB outgoing & TP MCCB incomer above 400 amps upto 800 amps:-	Each	112734.00
<b>1211</b>	Supplying, installation, testing & commissioning of powder coated prewired analog meter module complete with ammeter, voltmeter, phase indicator lamp, control fuses, CTs, in the existing panel board including connection etc. as required:-	Each	14424.00
<b>1212</b>	digital meter module complete with ammeter, voltmeter, phase indicator lamp, control fuses, CTs, in the existing panel board including connection etc. as required:-	Each	17646.00
<b>1213</b>	Supplying, installation, testing & commissioning of powder coated side cable module (1 pair) in the existing panel board including connection etc. as required suitable for the following sizes and ratings:-		
	a) 4/6 way outgoing and incomer upto 400 amps :-	Each	17823.00
	b) 8 way outgoing and incomer upto 400 amps :-	Each	20633.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	c) 12 way outgoing and incomer upto 400 amps/8 way outgoing and incomer above 400 amps upto 800 amps :-	Each	22506.00
	d) above 400 amps upto 800 amps :-	Each	25315.00
	e)	Each	28312.00
<b>1214</b>	Supplying, installation, testing & commissioning of powder coated add on module suitable for mounting change over switch of the following ratings on the existing panel board including connection etc. as required :-		
	a) 250 amps change over switch :-	Each	10669.00
	b)	Each	15815.00
	c)	Each	18377.00
<b>1215</b>	Supplying & installation of 10 KA breaking capacity, B/C curve MCB of following ratings in the existing MCB DB including connection as required:-		
	a) 6 to 32 amps SP MCB:-	Each	218.00
	b) 6 to 32 amps DP MCB:-	Each	664.00
	c) 6 to 32 amps TP MCB:-	Each	1076.00
	d) 6 to 32 amps TPN MCB:-	Each	1268.00
	e) 6 to 32 amps FP MCB:-	Each	1441.00
	f) 40 amps DP MCB:-	Each	1067.00
	g) 40/50/63 amps TP MCB:-	Each	1647.00
	h) 40/50/63 amps TPN MCB:-	Each	1699.00
	i) 40/50/63 amps FP MCB:-	Each	2055.00
	j) MCB Module RYB indicator light:-	Each	954.00
	k) Automatic Changeover with Current Limiter (ACCL) of 30 amps as main incomer and 1.5A - 30A as DG Incomer: -	Each	1872.00
<b>1216</b>	Supplying & installation of Surge Protection Device (SPD) of following ratings in the existing Panels/MCB DBs including necessary connections etc as required:-		
	a) Surge Protection Device (SPD, withdrawable) (Type-2) with $I_{max}$ 15 KA (1P+N) :-	Each	3397.00
	b) Surge Protection Device (SPD, withdrawable) (Type-2) with $I_{max}$ 15 KA (3P+N) :-	Each	6657.00
	c) Surge Protection Device (SPD, withdrawable) (Type-2) with $I_{max}$ 40 KA (1P+N) :-	Each	4240.00
	d) Surge Protection Device (SPD, withdrawable) (Type-2) with $I_{max}$ 40 KA (3P+N) :-	Each	8455.00
	e) Surge Protection Device (SPD, withdrawable) (Type-2) with $I_{max}$ 70 KA (1P+N) :-	Each	6769.00
	f) Surge Protection Device (SPD, withdrawable) (Type-2) with $I_{max}$ 70 KA (3P+N) :-	Each	11264.00
	g) Cartridge for Surge Protection Device (SPD) (Type-2) with $I_{max}$ 15 KA (1P+N) :-	Each	1699.00
	h) Cartridge for Surge Protection Device (SPD) (Type-2) with $I_{max}$ 15 KA (3P+N) :-	Each	2223.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	i) Cartridge for Surge Protection Device (SPD) (Type-2) with I <sub>max</sub> 40 KA (1P+N) :-	Each	2120.00
	j) Cartridge for Surge Protection Device (SPD) (Type-2) with I <sub>max</sub> 40 KA (3P+N) :-	Each	2823.00
	k) Cartridge for Surge Protection Device (SPD) (Type-2) with I <sub>max</sub> 70 KA (1P+N/3P+N) :-	Each	2261.00
<b>1217</b>	Supplying & installation of isolators of following ratings in the existing MCB DB including connection etc as required:-		
	a) 40 amps DP isolator:-	Each	406.00
	b) 63 amps DP isolator:-	Each	519.00
	c) 40 amps TP isolator:-	Each	706.00
	d) 63 amps TP isolator:-	Each	814.00
	e) 80/100 amps TP isolator:-	Each	903.00
	f) 125 amps TP isolator:-	Each	1115.00
	g) 40 amps FP isolator:-	Each	917.00
	h) 63 amps FP isolator:-	Each	931.00
	i) 80/100 amps FP isolator:-	Each	1090.00
	j) 125 amps FP isolator:-	Each	1314.00
<b>1218</b>	ratings in the existing MCB DB including connection etc as required:-		
	a) 16 to 40 amps DP RCCB:-	Each	2354.00
	b) 63 amps DP RCCB:-	Each	3314.00
	c) 25 to 40 amps FP RCCB:-	Each	3113.00
	d) 63 amps FP RCCB:-	Each	3586.00
	e) 80 amps FP RCCB:-	Each	5786.00
	f) 100 amps FP RCCB:-	Each	6189.00
<b>1219</b>	MCCB enclosure/ panel board including connection etc as required (Ics=100% of Icu with adjustable settings):-		
	a) 16 to 100 amps TP MCCB, Breaking capacity 16/18KA (Thermal Magnetic):-	Each	3720.00
	b) 16 to 100 amps FP MCCB, Breaking capacity 16/18KA (Thermal Magnetic):-	Each	4750.00
	c) 125 amps TP MCCB, Breaking capacity 25KA (Thermal Magnetic):-	Each	8440.00
	d) 125 amps FP MCCB, Breaking capacity 25KA (Thermal Magnetic) :-	Each	10201.00
	e) 160 amps TP MCCB, Breaking capacity 25KA (Thermal Magnetic) :-	Each	11034.00
	f) 160 amps FP MCCB, Breaking capacity 25KA (Thermal Magnetic) :-	Each	13067.00
	g) 200 amps TP MCCB, Breaking capacity 25KA (Thermal Magnetic) :-	Each	14396.00
	h) 200 amps FP MCCB, Breaking capacity 25KA (Thermal Magnetic) :-	Each	17918.00
	i) 200 amps TP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	16316.00
	j) 200 amps FP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	20053.00
	k) 250 amps TP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	18049.00
	l) 250 amps FP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	22029.00
	m) 320 amps TP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	21430.00
	n) 320 amps FP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	26103.00
	o) 400 amps TP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	21492.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	p) 400 amps FP MCCB, Breaking capacity 36KA (Thermal Magnetic) :-	Each	26577.00
	q) 630 amps TP MCCB, Breaking capacity 50KA (Thermal Magnetic) :-	Each	30068.00
	r) 630 amps FP MCCB, Breaking capacity 50KA (Thermal Magnetic) :-	Each	37148.00
	s) 800 amps TP MCCB, Breaking capacity 50KA (Microprocessor based) :-	Each	47931.00
	t) 800 amps FP MCCB, Breaking capacity 50KA (Microprocessor based) :-	Each	57174.00
<b>1220</b>	Supplying & installation of following switchgear accessories including connection etc as required:-		
	a) Copper Spreader links/terminals (Set of 6) for 16A-125A TP MCCB:-	Each	358.00
	b) Copper Spreader links/terminals (Set of 8) for 16A-125A FP MCCB:-	Each	494.00
	c) Copper Spreader links/terminals (Set of 6) for 160A-250A TP MCCB:-	Each	1188.00
	d) Copper Spreader links/terminals (Set of 8) for 160A-250A FP MCCB:-	Each	1488.00
	e) Copper Spreader links/terminals (Set of 6) for 320A-400A TP MCCB:-	Each	2207.00
	f) Copper Spreader links/terminals (Set of 8) for 320A-400A FP MCCB:-	Each	3125.00
	g) Copper Spreader links/terminals (Set of 6) for 500A-630A TP MCCB:-	Each	2559.00
	h) Copper Spreader links/terminals (Set of 8) for 500A-630A FP MCCB:-	Each	3402.00
	i) Copper Spreader links/terminals (Set of 6) for 800A TP MCCB:-	Each	5107.00
	j) Copper Spreader links/terminals (Set of 8) for 800A FP MCCB:-	Each	6474.00

<b>1300</b>	<b>Armoured/unarmoured cable</b>		
<b>1301</b>	aluminium conductor armoured cable with necessary connection etc as required		
	a) 2 core 4 Sq mm	/mtr	94.00
	b) 2 core 6 Sq mm	/mtr	109.00
	c) 2 core 10 Sq mm	/mtr	128.00
	d) 2 core 16 Sq mm	/mtr	146.00
	e) 3 core 4 Sq mm	/mtr	103.00
	f) 3 core 6 Sq mm	/mtr	119.00
	g) 3 core 10 Sq mm	/mtr	148.00
	h) 3.5 core 25 Sq mm	/mtr	235.00
	i) 3.5 core 35 Sq mm	/mtr	281.00
	j) 3.5 core 50 Sq mm	/mtr	361.00
	k) 3.5 core 70 Sq mm	/mtr	488.00
	l) 3.5 core 95 Sq mm	/mtr	587.00
	m) 3.5 core 120 Sq mm	/mtr	732.00
	n) 3.5 core 150 Sq mm	/mtr	869.00
	o) 3.5 core 185 Sq mm	/mtr	1082.00
	p) 3.5 core 240 Sq mm	/mtr	1358.00
	q) 3.5 core 300 Sq mm	/mtr	1662.00
	r) 3.5 core 400 Sq mm	/mtr	2112.00
	s) 4 core 4 Sq mm	/mtr	118.00
	t) 4 core 6 Sq mm	/mtr	133.00
	u) 4 core 10 Sq mm	/mtr	165.00
	v) 4 core 16 Sq mm	/mtr	187.00
	w) 4 core 25 Sq mm	/mtr	254.00
	x) 4 core 35 Sq mm	/mtr	311.00
	y) 4 core 50 Sq mm	/mtr	399.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	z) 4 core 70 Sq mm	/mtr	537.00
	aa) 4 core 95 Sq mm	/mtr	653.00
	ab) 4 core 120 Sq mm	/mtr	802.00
	ac) 4 core 150 Sq mm	/mtr	985.00
	ad) 4 core 185 Sq mm	/mtr	1220.00
	ae) 4 core 240 Sq mm	/mtr	1554.00
	af) 4 core 300 Sq mm	/mtr	1871.00
<b>1302</b>	Supplying and laying of following sizes XLPE insulated PVC sheathed Aluminium conductor Un-armoured cable including necessary connection etc as required.		
	a) 2 core 4 Sq mm	/mtr	62.00
	b) 2 core 6 Sq mm	/mtr	69.00
	c) 2 core 10 Sq mm	/mtr	82.00
	d) 2 core 16 Sq mm	/mtr	96.00
	e) 3 core 4 Sq mm	/mtr	68.00
	f) 3 core 6 Sq mm	/mtr	79.00
	g) 3 core 10 Sq mm	/mtr	101.00
	h) 3.5 core 25 Sq mm	/mtr	206.00
	i) 3.5 core 35 Sq mm	/mtr	246.00
<b>1303</b>	Supplying and laying of following sizes XLPE insulated PVC sheathed copper conductor Un-armoured cable including necessary connection etc as required.		
	a) 3 core 1.5 Sq mm	/mtr	86.00
	b) 3 core 2.5 Sq mm	/mtr	123.00
	c) 3 core 4 Sq mm	/mtr	182.00
	d) 4 core 2.5 Sq mm	/mtr	156.00
	e) 4 core 4 Sq mm	/mtr	232.00
	f) 4 core 6 Sq mm	/mtr	332.00
	g) 4 core 10 Sq mm	/mtr	546.00
	h) 4 core 16 Sq mm	/mtr	810.00
	i) 3.5 core 25 Sq mm	/mtr	1161.00
	j) 3.5 core 35 Sq mm	/mtr	1529.00
	k) 4 core 25 Sq mm	/mtr	1271.00
	l) 4 core 35 Sq mm	/mtr	1759.00

<b>1400</b>	<b>Cable terminal ends/Heat shrinkable Joint/Junction box</b>		
<b>1401</b>	Supplying and fixing of aluminium terminal ends (LUGS) - long barrel of following sizes :-		
	a) 47.5 sq mm	each	6.00
	b) 10 sq mm	each	8.00
	c) 16 sq mm	each	9.00
	d) 25 sq mm	each	10.00
	e) 35 sq mm	each	14.00
	f) 50 sq mm	each	20.00
	g) 70 sq mm	each	29.00
	h) 95 sq mm	each	31.00
	i) 120 sq mm	each	42.00



<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	j) 150 sq mm	each	53.00
	k) 185 sq mm	each	65.00
	l) 240 sq mm	each	107.00
	m) 300 sq mm	each	151.00
	n) 400 sq mm	each	217.00
	o) 500 sq mm	each	301.00
	p) 650 sq mm	each	388.00
<b>1402</b>	Supplying and fixing of Copper terminal ends (LUGS) - long barrel of following sizes: -		
	a) 2.5 sq mm	each	11.00
	b) 4 sq mm	each	14.00
	c) 6 sq mm	each	15.00
	d) 10 sq mm	each	19.00
	e) 16 sq mm	each	25.00
	f) 25 sq mm	each	40.00
	g) 35 sq mm	each	42.00
	h) 50 sq mm	each	53.00
	i) 70 sq mm	each	85.00
	j) 95 sq mm	each	109.00
	k) 120 sq mm	each	149.00
	l) 150 sq mm	each	207.00
	m) 185 sq mm	each	307.00
	n) 240 sq mm	each	425.00
	o) 300 sq mm	each	581.00
<b>1403</b>	Supplying and fixing of heat shrinkable cable end termination kits of following sizes : -		
	a) 2 core or 3 core 6/10 sq mm size:-	each	1164.00
	b) 2 core 16 sq mm or 4 core 10/16 sqmm size:-	each	1305.00
	c) 3.5 core or 4 core 25/35/50 sqmm size:-	each	1480.00
	d) 3.5 core or 4 core 70/95/120/150 sqmm size:-	each	1606.00
	e) 3.5 core or 4 core 185 sqmm size:-	each	2158.00
	f) 3.5 core or 4 core 240/300 sqmm size:-	each	2496.00
	g) 3.5 core or 4 core 400 sqmm size:-	each	2844.00
<b>1404</b>	Supplying and fixing of heat shrinkable straight through cable jointing kits of following sizes : -		
	a) 2 core or 3 core 6/10 sq mm size:-	each	1285.00
	b) 2 core 16 sqmm or 4 core 10/16 sq mm size:-	each	1565.00
	c) 3.5 core or 4 core 25/35 sq mm size:-	each	1848.00
	d) 3.5 core or 4 core 50 sq mm size:-	each	1928.00
	e) 3.5 core or 4 core 70 sq mm size:-	each	2107.00
	f) 3.5 core or 4 core 95 sq mm size:-	each	2315.00
	g) 3.5 core or 4 core 120/150 sq mm size:-	each	3191.00
	h) 3.5 core or 4 core 185 sq mm size:-	each	3596.00
	i) 3.5 core or 4 core 240 sq mm size:-	each	4617.00
	j) 3.5 core or 4 core 300 sq mm size:-	each	5105.00
	k) 3.5 core or 4 core 400 sq mm size:-	each	6496.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1405</b>	Supplying and fixing of thermoplastic cable junction box with connectors suitable for following sizes cable : -		
	a) 1.5 sqmm - 4 sqmm Cable:-	each	828.00
	b) 4 sqmm - 10 sqmm Cable:-	each	1866.00
	c) 10 sqmm - 16 sqmm Cable:-	each	2425.00
	d) 16 sqmm - 50 sqmm Cable:-	each	13321.00

<b>1500</b>	<b>Miscellaneous Items</b>		
<b>1501</b>	Supplying & fixing of G.I. pipe (medium gauge) bracket fabricated at suitable angle for fixing of outdoor light on wall/ RCC base with necessary MS clamp, nut, bolt etc as required:-		
	a) 25 mm dia	/mtr	437.00
	b) 40 mm dia	/mtr	589.00
	c) 50 mm dia	/mtr	673.00
<b>1502</b>	Supplying and fixing of MS frame made of (25mm x 25mm x 5mm) MS angle with necessary support by (40mm x 6mm) MS flat and 12 mm thick marine plywood on top, grouted on wall with 4 nos legs (25mmx25mmx5mm MS angle 20 cm long) finished with red oxide and 2 coat synthetic enamel paint including necessary cc work, mending the damages & painting etc as required:-	/sqmtr	4057.00
<b>1503</b>	Supplying and fixing of 20 mm MS pipe as down rod for installation of luminaries with necessary accessories etc as required.	/mtr	180.00
<b>1504</b>	Supplying and fixing of full thread ball socket for fixing of down rod for installation of luminaries with necessary accessories etc as required.	Each	40.00
<b>1505</b>	Supplying & fixing of 40 mm dia G.I pipe (medium gauge) cross bar for fixing of ceiling fan/luminaries including painting & necessary accessories etc as required.	/mtr	426.00
<b>1506</b>	Supplying & fixing of 40mmx6mm MS clamp for installation of ceiling fan/luminaries on cross bar including necessary accessories etc as required:-	Each	414.00
<b>1507</b>	Supplying of 'U' clamp made with 40mm x 6 mm MS flat and fixing with necessary fasten nuts including painting etc as required.	/mtr	542.00
<b>1508</b>	Supplying of 25 cm long 'L' hook made with 40mm x 6mm MS flat and fixing with necessary fasten nuts including finishing, painting etc as required.	each	126.00
<b>1509</b>	Supplying & fixing of 12mm thick marine plywood conforming to IS: 710 with necessary painting etc as required:-	/sqmtr	1069.00
<b>1510</b>	Excavation of earth for cable trench of 800mm depth & 300mm width in all kinds of soil including back filling of cable trench with the excavated soil with 20cm layer of sand, 3.5 nos bricks per metre for protection including ramming, consolidating to the original shape as per direction of Site Engineer :-	/mtr	150.00
<b>1511</b>	Drawing of armoured/un-armoured cable with proper saddling etc as required:-	/mtr	23.00
<b>1512</b>	Supplying & installation of Digital timer Switch including necessary connection etc as required:-	each	2832.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1513</b>	Supplying & installation of Astronomical timer Switch including necessary connection etc as required:-	each	4714.00
<b>1514</b>	Supplying & installation of following power contactors including necessary connection etc as required:-		
	a) 3 pole 9 amps (AC3) power contactors with 1NO+1NC Aux. Contact.	each	1141.00
	b) 3 pole 12 amps (AC3) power contactors with 1NO+1NC Aux. Contact.	each	1282.00
	c) 3 pole 18 amps (AC3) power contactors with 1NO+1NC Aux. Contact.	each	1432.00
<b>1515</b>	Supplying & installation of recess mounted PIR movement Sensor including necessary connection etc as required:-	each	3061.00
<b>1516</b>	Supplying & installation of surface mounted PIR movement Sensor including necessary connection etc as required:-	each	2636.00
<b>1517</b>	Cleaning of existing ceiling fan/luminaries.	each	43.00
<b>1518</b>	Supplying and fixing of following Cable tray made of hot dip galvanised iron:-		
	a) 30 mm x 50mm:-	/mtr	993.00
	b) 54 mm x 100 mm	/mtr	1454.00
	c) 105mm x 150mm	/mtr	1702.00
<b>1509</b>	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement- 1:2:4 ( 1 Cement: 2 fine sand : 4 graded well burnt brick aggregate 20 mm nominal size):-	/cum	9306.10
<b>1520</b>	Centering shuttering including struttings, propping etc. and removal of form work for: Foundations, footings, bases for columns etc. for mass concrete with timber plank:-	/sqmtr	238.60
<b>1521</b>	6 mm cement plaster in single layer including cost of materials required and finishing even and smooth and curing complete. In cement mortar 1 : 4 ( 1 cement : 4 fine sand ):-	/sqmtr	136.90
<b>1522</b>	neat cement punning:-	/sqmtr	45.10

<i>Sl. No.</i>	<i>Description of item</i>	<i>Unit</i>	<i>Rate ( ` )</i>
<b>1600</b>	<b>UPS, Inverters &amp; Batteries</b>		
<b>1601</b>	Supplying, installation, testing and commissioning of following ratings online UPS with inbuilt isolation transformer, 50/60Hz (Auto sensing) frequency, P.F range 0.95-0.99, voltage regulation +/-1%, Pure sine wave form, total harmonic distortion < 5% with full load, Noise level 50db at 1m, LED indication for Normal mode/Load on battery/Load on bypass/System fault, Audible alarm for Mains failure, low battery, Overload, fault and Bypass mode complete with M. S Rack for mounting battery bank, Battery inter link cables and all other necessary accessories including connections etc. as required:-		
	a) 1 kVA, 1 Ph input/1 Ph output Online UPS with 1512 VAH battery bank for minimum 1hour Backup:-	each	42898.00
	b) 1 kVA, 1 Ph input/1 Ph output Online UPS with 3024 VAH battery bank for minimum 2 hours Backup:-	each	48300.00
	c) 2 kVA, 1 Ph input/1 Ph output Online UPS with 3024 VAH battery bank for minimum 1hour Backup:-	each	67361.00
	d) 2 kVA, 1 Ph input/1 Ph output Online UPS with 7200 VAH battery bank for minimum 2 hours Backup:-	each	78442.00
	e) 3 kVA, 1 Ph input/1 Ph output Online UPS with 4032 VAH battery bank for minimum 1hour Backup:-	each	82536.00
	f) 3 kVA, 1 Ph input/1 Ph output Online UPS with 9600 VAH battery bank for minimum 2 hours Backup:-	each	97115.00
	g) 5 kVA, 1 Ph input/1 Ph output Online UPS with 8064 VAH battery bank for minimum 1hour Backup:-	each	142203.00
	h) 5 kVA, 1 Ph input/1 Ph output Online UPS with 12480 VAH battery bank for minimum 2 hours Backup:-	each	170771.00
	i) 7.5 kVA, 3 Ph input/1 Ph output Online UPS with 12480 VAH battery bank for minimum 1 hour Backup:-	each	240598.00
	j) 7.5 kVA, 3 Ph input/1 Ph output Online UPS with 19200 VAH battery bank for minimum 2 hours Backup:-	each	296480.00
	k) 10 kVA, 3 Ph input/1 Ph output Online UPS with 19200 VAH battery bank for minimum 1 hour Backup:-	each	303760.00
	l) 10 kVA, 3 Ph input/1 Ph output Online UPS with 28800 VAH battery bank for minimum 2 hours Backup:-	each	330562.00
	m) 10 kVA, 3 Ph input/3 Ph output Online UPS with 19200 VAH battery bank for minimum 1 hour Backup:-	each	385122.00
	n) 10 kVA, 3 Ph input/3 Ph output Online UPS with 28800 VAH battery bank for minimum 2 hours Backup:-	each	435793.00
	o) 20 kVA, 3 Ph input/3 Ph output Online UPS with 22880 VAH battery bank for minimum 1 hour Backup:-	each	537627.00
	p) 20 kVA, 3 Ph input/3 Ph output Online UPS with 48000 VAH battery bank for minimum 2 hours Backup:-	each	705090.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1602</b>	Supplying, installation, testing and commissioning of following ratings inverter with Square/ sine wave technology, noiseless operation, inbuilt advance PCB programming, microprocessor with all accessories including necessary connections etc. as required:-		
a)	300VA, 12V DC, 1 Ph input/1 Ph output inverter(Square wave technology):-	each	5357.00
b)	600VA, 12V DC, 1 Ph input/1 Ph output inverter(Square wave technology):-	each	5851.00
c)	700VA, 12V DC, 1 Ph input/1 Ph output inverter(Sine wave technology):-	each	7471.00
d)	850VA, 12V DC, 1 Ph input/1 Ph output inverter(Square wave technology):-	each	7136.00
e)	900VA, 12V DC, 1 Ph input/1 Ph output inverter(Sine wave technology):-	each	9564.00
f)	1100VA, 12V DC, 1 Ph input/1 Ph output inverter(Square wave technology):-	each	9456.00
g)	1500VA, 24V DC, 1 Ph input/1 Ph output inverter(Sine wave technology):-	each	11203.00
h)	900VA, 12V DC, 1 Ph input/1 Ph output WIFI enabled inverter(Sine wave technology):-	each	10986.00
<b>1603</b>	Supplying, installation, testing and commissioning of following ratings Valve regulated lead acid(VRLA) battery with all accessories including necessary connections etc. as required:-		
a)	12 V/ 120AH tall tubular/ flat plate Battery:-	each	12366.00
b)	12 V/ 150AH tall tubular/ flat plate Battery:-	each	15602.00
c)	12 V/ 160AH tall tubular/ flat plate Battery:-	each	18030.00
d)	12 V/ 180AH tall tubular/ flat plate Battery:-	each	22384.00
e)	12 V/ 200AH tall tubular/ flat plate Battery:-	each	18636.00
f)	12 V/ 28 AH sealed maintenance free (SMF) battery:-	each	3970.00
g)	12 V/ 42 AH sealed maintenance free (SMF) battery:-	each	5682.00
h)	12 V/ 65 AH sealed maintenance free (SMF) battery:-	each	7973.00
i)	12 V/ 75 AH sealed maintenance free (SMF) battery:-	each	9265.00
j)	16 V/ 100 AH sealed maintenance free (SMF) battery:-	each	12260.00

<i>Sl. No.</i>	<i>Description of item</i>	<i>Unit</i>	<i>Rate ( ` )</i>
<b>1700</b>	<b>Fire Alarm System</b>		
<b>Conventional Fire Alarm System</b>			
<b>1701</b>	Supplying, installation, testing & commissioning of heat detector operating at 54°C/57°C with rate of rise cum fixed temperature (dual thermistor) type with mounting base complete with all connection etc. as required.	each	1534.00
<b>1702</b>	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc. as required.	each	1654.00
<b>1703</b>	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required	each	670.00
<b>1704</b>	Supplying, installation, testing & commissioning of manual call box of ABS type in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required	each	573.00
<b>1705</b>	Supplying, installation, testing & commissioning response indicator on surface/recess MS box having two LEDs metallic cover complete with all connections etc. as required.	each	267.00
<b>1706</b>	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	each	790.00
<b>1707</b>	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in A.B.S. box with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	each	693.00
<b>1708</b>	Supplying, installation, testing & commissioning talk back slave station in surface/recess suitable for operation on simplex mode complete with P.T.T. knob & speaker/microphone enclosed in a M.S.(16 SWG)/ ABS box with break glass in front etc. complete as required.	each	1293.00
<b>1709</b>	Supplying, installation, testing & commissioning sector panel suitable for following zones, complete with visual indications for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS:2189 with mimic diagram for all area/zone covered, complete with all connections, interconnections as required.		
	a) 4 Zone	each	12279.00
	b) 6 Zone	each	17081.00
	c) 10 Zone	each	22809.00

Sl. No.	Description of item	Unit	Rate ( ` )
1710	<p>Supplying, installation, testing &amp; commissioning of main control and indicating panel made out of 16 SWG MS sheet to accommodate the following items duly powder coated in approved colour with louvers for ventilation, locking arrangement, audio and visual indication for fire alarm and public address system, monitoring system including connections, interconnections etc complete as required. 10 Zone panel for fire alarm system 250 Watt amplifier racks suitable for operation on 230V AC/24V DC supply conforming to IEC-268-3 complete with all accessories as required - 2 Nos.(one to act as standby) Talk back master station with LED PTT (press to talk) push button for operation on 230V AC/24 V DC supply conforming to IEC-268 for simplex mode of operation/communication suitable for 20 Nos. talk back unit -1 set. Annoucement control desk suitable for selection of different zones selectively and ON ALL CALL switch with visual indication etc. complete as required -1 set. Amplifier change over switch for inter changing amplifier -1 No. Monitor panel for loudspeaker complete with output selector, ON/OFF switch, fuse, visual indications etc. complete as required- 1 No. Gooseneck microphone with stand and ON/OFF switch- 1 No. Main ON/OFF switch, fuse indication lamps, DC and AC voltmeters &amp; ammeters, terminal blocks etc. complete as required -1 set. Battery charger trickle cum boost to take complete load of fire alarm &amp; PA system complete with all accessories including providing &amp; fixing of 2 nos.12 volt, 60 AH each sealed maintenance free batteries -1 set.</p>	each	100172.00
1711	<p>Supplying, installation, testing &amp; commissioning of main control and indicating panel made out of 16 SWG MS sheet to accommodate the following items duly powder coated in approved colour with louvers for ventilation, locking arrangement, audio and visual indication for fire alarm and public address system, monitoring system including connections, interconnections etc complete as required. 6 zone panel for fire alarm system 100 watt amplifier racks suitable for operation on 230V AC/24V DC supply conforming to IEC-268-3 complete with all Talk back master station with LED PTT (press to talk) push button for operation on 230V AC/24 V DC supply conforming to IEC-268 for simplex mode of operation/communication suitable for 20 Nos.talk back unit -1 set. Annoucement control desk suitable for selection of different zones selectively and ON ALL CALL switch with visual indication etc., complete as required- 1 set. Amplifier change over switch for inter changing amplifier- 1 No. Monitor panel for loudspeaker complete output selector ON/OFF switch, fuse visual indications etc. complete as required- 1 No. Gooseneck microphone with stand and ON/OFF switch -1 No. Mains ON/OFF switch, fuse indication lamps, DC and AC voltmeters &amp; ammeters terminal blocks etc. complete as required -1 set. Battery charger trickle cum boost to take complete load of fire alarm &amp; PA system complete with all accessories including providing &amp; fixing of 2 nos. 12 volt,30 AH each sealed maintenance free batteries -1 set.</p>	each	69211.00

<i>Sl. No.</i>	<i>Description of item</i>	<i>Unit</i>	<i>Rate ( ` )</i>
<b>Intelligent Fire Alarm System</b>			
<b>1712</b>	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.		
	a) Ten Loop Panel.	each	659599.00
	b) Two Loop Panel.	each	346415.00
<b>1713</b>	Supplying, installation, testing & commissioning of central graphical fire alarm management system to centrally monitor and operate the fire alarm system complete as required.	each	290215.00
<b>1714</b>	Supplying, installation, testing & commissioning of repeater panel wih 320 character/ Touch screen LCD display with inbuilt reset, acknowledge and silence switches complete as required.	each	157429.00
<b>1715</b>	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	each	4127.00
<b>1716</b>	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	each	381.00
<b>1717</b>	Supplying, installation, testing & commisssioning of intelligent addressable programmable sounder complete as required.	each	3825.00
<b>1718</b>	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	each	4723.00
<b>1719</b>	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed tempreature thermistor complete with base as required.	each	3934.00
<b>1721</b>	Supplying, installation, testing & commissioning of addressable beam detector with short circuit isolator (inbuilt or seperate) complete with emitter and receiver including connections with remote test features etc complete as required.	each	108428.00
<b>1722</b>	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	each	5596.00



<i>Sl. No.</i>	<i>Description of item</i>	<i>Unit</i>	<i>Rate ( ` )</i>
1723	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required.	each	5066.00
<b>Public Address System related to fire alarm</b>			
1724	Supplying, installation, testing & commissioning of 6 zone, voice alarm controller with USB, MP3 player (including 6 zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required.	each	183279.00
1725	Supplying, installation, testing & commissioning of 1.5/3/6W ceiling speaker complete as required.	each	1380.00
1726	Supplying, installation, testing & commissioning of 1.5/3/6W metal box ceiling/wall speakers complete as required.	each	2581.00
1727	Supplying, installation, testing & commissioning of digital audio amplifier 50 Watt, 25V rms operating at 240 volt AC supply complete as required.	each	140312.00
1728	Supplying, installation, testing & commissioning of digital audio amplifier 75 Watt, 25V rms operating at 240 Volt AC Supply complete as required.	each	211381.00
1729	Supplying, installation, testing & commissioning of exit point directional sound speaker with voice and integral audio amplifier with selectable sound pulse patterns complete as required.	each	14691.00
1730	Supplying, installation, testing & commissioning of Voice command keypad 6 zone, with microphone assembly complete as required.	each	118527.00
<b>Cabling &amp; Wiring related to fire alarm</b>			
1731	Supplying and drawing of cable Fire Retardant PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required.		
	a) Single pair 2-core 1.5 sqmm	/mtr	74.00
	b) Two pair 2-core 1.5 sqmm	/mtr	123.00
	c) Three pair 2-core 1.5 sqmm	/mtr	174.00
	d) Four pair 2-core 1.5 sqmm	/mtr	225.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1800</b>	<b>Providing Electrical installation on temporary manner</b>		
<b>1801</b>	Hire charges of the following PVC sheathed & PVC insulated aluminum conductor wire/cable for circuit/submain wiring etc. on temporary manner including necessary connection etc as required. (For 1st 3 days)		
	a) 2 x 4 mm <sup>2</sup>	/mtr	1.80
	b) 2 x 10 mm <sup>2</sup>	/mtr	3.10
	c) 4 x 10 mm <sup>2</sup>	/mtr	6.30
	d) 4 x 16 mm <sup>2</sup>	/mtr	9.90
	e) 4 x 25 mm <sup>2</sup>	/mtr	12.10
	f) 4 x 35 mm <sup>2</sup>	/mtr	15.00
	g) 4 x 50 mm <sup>2</sup>	/mtr	19.00
	h) 4 x 70 mm <sup>2</sup>	/mtr	22.00
	i) 4 x 90 mm <sup>2</sup>	/mtr	26.90
	j) 4 x 120 mm <sup>2</sup>	/mtr	31.90
<b>1802</b>	Hire charges of the following existing PVC sheathed & PVC insulated aluminum conductor wire/cable for circuit/submain wiring etc. on temporary manner as required.(From 4th day onwards upto 10 th day)		
	a) 2 x 4 mm <sup>2</sup>	/mtr/day	0.60
	b) 2 x 10 mm <sup>2</sup>	/mtr/day	1.00
	c) 4 x 10 mm <sup>2</sup>	/mtr/day	2.10
	d) 4 x 16 mm <sup>2</sup>	/mtr/day	3.30
	e) 4 x 25 mm <sup>2</sup>	/mtr/day	4.00
	f) 4 x 35 mm <sup>2</sup>	/mtr/day	5.00
	g) 4 x 50 mm <sup>2</sup>	/mtr/day	6.30
	h) 4 x 70 mm <sup>2</sup>	/mtr/day	7.30
	i) 4 x 90 mm <sup>2</sup>	/mtr/day	9.00
	j) 4 x 120 mm <sup>2</sup>	/mtr/day	10.60
<b>1803</b>	Hire charges of the following existing PVC sheathed & PVC insulated aluminum conductor wire/cable for circuit/submain wiring etc. on temporary manner as required.(From 11th day onwards till the end)		
	a) 2 x 4 mm <sup>2</sup>	/mtr/day	0.10
	b) 2 x 10 mm <sup>2</sup>	/mtr/day	0.20
	c) 4 x 10 mm <sup>2</sup>	/mtr/day	0.40
	d) 4 x 16 mm <sup>2</sup>	/mtr/day	0.70
	e) 4 x 25 mm <sup>2</sup>	/mtr/day	0.80
	f) 4 x 35 mm <sup>2</sup>	/mtr/day	1.00
	g) 4 x 50 mm <sup>2</sup>	/mtr/day	1.30
	h) 4 x 70 mm <sup>2</sup>	/mtr/day	1.50
	i) 4 x 90 mm <sup>2</sup>	/mtr/day	1.80
	j) 4 x 120 mm <sup>2</sup>	/mtr/day	2.10
<b>1804</b>	Hire charges of the following electrical switch gears on temporary manner including necessary connection etc. as required.(For 1st 3 days)		
	a) 32 amps DP main switch	Each	37.50
	b) 63 amps DP main switch	Each	46.30
	c) 32 amps TPN main switch	Each	56.30

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	d) 63 amps TPN main switch	Each	77.50
	e) 100 amps TPN main switch	Each	137.50
	f) 200 amps TPN main switch	Each	187.50
	g) 315/400 amps TPN main switch	Each	225.00
	h) 32-63 amps 4-strip bus-bar chamber	Each	50.00
	i) 100-200 amps 4-strip bus-bar chamber	Each	81.30
	j) 300-600 amps 4-strip bus-bar chamber	Each	150.00
	k) Cut out set (3 nos) 63 to 300 amps:-	Each	31.30
	l) 4/6/8/10/12 way SP DB with isolator & MCB:-	Each	62.50
	m) 4/6/8/12 way TPN DB with isolator & MCB:-	Each	187.50
	n) 32-63 amps FP change over switch	Each	115.00
	o) 100-200 amps FP change over switch	Each	172.00
	p) 320-400 amps FP change over switch	Each	220.00
<b>1805</b>	Hire charges of the following existing electrical switch gears on temporary manner etc. as required.(From 4th day onwards upto 10th day)		
	a) 32 amps. DP	Each/day	12.50
	b) 63 amps. DP	Each/day	15.40
	c) 32 amps. TPN	Each/day	18.80
	d) 63 amps. TPN	Each/day	25.80
	e) 100 amps. TPN	Each/day	45.80
	f) 200 amps. TPN	Each/day	62.50
	g) 315/400 amps TPN	Each/day	75.00
	h) 32-63 amps. 4-strip bus-bar chamber	Each/day	16.70
	i) 100-200 amps. 4-strip bus-bar chamber	Each/day	27.10
	j) 300-600 amps. 4-strip bus-bar chamber	Each/day	50.00
	k) Cut out set(3 nos) 63 to 300 amps:-	Each/day	10.40
	l) 4/6/8/10/12 way SP DB with isolator & MCB:-	Each/day	20.80
	m) 4/6/8/12 way TPN DB with isolator & MCB:-	Each/day	62.50
	n) 32-63 amps FP change over switch	Each/day	38.30
	o) 100-200 amps FP change over switch	Each/day	57.30
	p) 320-400 amps FP change over switch	Each/day	73.30
<b>1806</b>	Hire charges of the following existing electrical switch gears on temporary manner etc. as required.(From 11th day onwards till the end)		
	a) 32 amps. DP	Each/day	2.50
	b) 63 amps. DP	Each/day	3.10
	c) 32 amps. TPN	Each/day	3.80
	d) 63 amps. TPN	Each/day	5.20
	e) 100 amps. TPN	Each/day	9.20
	f) 200 amps. TPN	Each/day	12.50
	g) 315/400 amps TPN	Each/day	15.00
	h) 32-63 amps. 4-strip bus-bar chamber	Each/day	3.30
	i) 100-200 amps. 4-strip bus-bar chamber	Each/day	5.40

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	j) 300-600 amps. 4-strip bus-bar chamber	Each/day	10.00
	k) Cut out set(3 Pole) 63 to 300 amps:-	Each/day	2.10
	l) 4/6/8/10/12 way SP DB with isolator & MCB:-	Each/day	4.20
	m) 4/6/8/12 way TPN DB with isolator & MCB:-	Each/day	12.50
	n) 32-63 amps FP change over switch	Each/day	7.70
	o) 100-200 amps FP change over switch	Each/day	11.50
	p) 320-400 amps FP change over switch	Each/day	14.70
<b>1807</b>	Hire charges of the following electrical fittings including necessary connection etc. with 2 x1.5/4 sq.mm. PVC sheathed/insulated alluminium/copper cond. cable on temporary manner etc. as required.(For 1st 3 days)		
	a) 15/25/40/60/100 watt clear lamp GLS with necessary holder	Each	2.50
	b) 20-45 watt CFL with necessary holder	Each	8.80
	c) 9-11 watt LED bulb with necessary holder	Each	10.00
	d) 18-20 watt LED bulb with necessary holder	Each	20.00
	e) 40-50 watt LED bulb with necessary holder	Each	30.00
	f) 20 watt LED TL/40 watt FTL fittings complete with lamp & accessories	Each	28.80
	g) 500/1000 watt Halogen fittings complete with lamp & accessories	Each	66.30
	h) 250 watt HPSV street light fittings complete with lamp & accessories	Each	250.00
	i) 400 watt HPMH flood light fittings complete with lamp & accessories	Each	350.00
	j) 35-65 watt LED street light fittings	Each	110.00
	k) 90-120 watt LED street light fittings	Each	200.00
	l) 120-180 watt LED flood light fittings	Each	250.00
	m) 200-250 watt LED flood light fittings	Each	300.00
	n) 20-35 watt outdoor CFL light fittings complete with lamp & accessories	Each	25.00
	o) 45-85 watt outdoor CFL light fittings complete with lamp & accessories	Each	43.80
	p) 20/25 watt CFL/LED post top fittings complete with lamp & accessories	Each	37.50
	q) Coloured tuni lamp(10 mtr long)	Each	20.00
	r) Flexible LED strip (5 mtr long)	Each	30.00
	s) A.C. pedestal fan	Each	67.50
	t) A.C. ceiling fan	Each	28.80
	u) 5/15 amps power plug point	Each	8.00
<b>1808</b>	Hire charges of the following existing electrical fittings on temporary manner etc as required.(From 4th day onwards upto 10th day)		
	a) 15/25/40/60/100 watt clear lamp GLS with necessary holder	Each/day	0.80
	b) 20-45 watt CFL with necessary holder	Each/day	2.90
	c) 9-11 watt LED bulb with necessary holder	Each/day	3.30
	d) 18-20 watt LED bulb with necessary holder	Each/day	7.00
	e) 40-50 watt LED bulb with necessary holder	Each/day	10.00
	f) 20 watt LED TL/40 watt FTL fittings complete with lamp & accessories	Each/day	9.60
	g) 500/1000 watt Halogen fittings complete with lamp & accessories	Each/day	22.10
	h) 250 watt HPSV street light fittings complete with lamp & accessories	Each/day	83.30
	i) 400 watt HPMH flood light fittings complete with lamp & accessories	Each/day	116.70

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
	j) 35-65 watt LED street light fittings	Each/day	36.70
	k) 90-120 watt LED street light fittings	Each/day	66.70
	l) 120-180 watt LED flood light fittings	Each/day	83.30
	m) 200-250 watt LED flood light fittings	Each/day	100.00
	n) 20-35 watt outdoor CFL light fittings complete with lamp & accessories	Each/day	8.30
	o) 45-85 watt outdoor CFL light fittings complete with lamp & accessories	Each/day	14.60
	p) 20/25 watt CFL/LED post top fittings complete with lamp & accessories	Each/day	12.50
	q) Coloured tuni lamp(10 mtr long)	Each/day	5.00
	r) Flexible LED strip (5 mtr long)	Each/day	10.00
	s) A.C. pedestal fan	Each/day	22.50
	t) A.C. ceiling fan	Each/day	9.60
	u) 5/15 amps power plug point	Each/day	2.70
<b>1809</b>	Hire charges of the following existing electrical fittings on temporary manner etc as required. (From 11th day onwards till the end)		
	a) 15/25/40/60/100 watt clear lamp GLS with necessary holder	Each/day	0.10
	b) 20-45 watt CFL with necessary holder	Each/day	0.60
	c) 9-11 watt LED bulb with necessary holder	Each/day	0.70
	d) 18-20 watt LED bulb with necessary holder	Each/day	1.00
	e) 40-50 watt LED bulb with necessary holder	Each/day	2.00
	f) 20 watt LED TL/40 watt FTL fittings complete with lamp & accessories	Each/day	1.90
	g) 500/1000 watt Halogen fittings complete with lamp & accessories	Each/day	4.40
	h) 250 watt HPSV street light fittings complete with lamp & accessories	Each/day	16.70
	i) 400 watt HPMH flood light fittings complete with lamp & accessories	Each/day	23.30
	j) 35-65 watt LED street light fittings	Each/day	7.30
	k) 90-120 watt LED street light fittings	Each/day	13.30
	l) 120-180 watt LED flood light fittings	Each/day	16.70
	m) 200-250 watt LED flood light fittings	Each/day	20.00
	n) 20-35 watt outdoor CFL light fittings complete with lamp & accessories	Each/day	1.70
	o) 45-85 watt outdoor CFL light fittings complete with lamp & accessories	Each/day	2.90
	p) 20/25 watt CFL/LED post top fittings complete with lamp & accessories	Each/day	2.50
	q) Coloured tuni lamp(10 mtr long)	Each/day	1.00
	r) Flexible LED strip (5 mtr long)	Each/day	2.00
	s) A.C. pedestal fan	Each/day	4.50
	t) A.C. ceiling fan	Each/day	1.90
	u) 5/15 amps power plug point	Each/day	0.50
<b>1810</b>	Earthing with G.I. Earth pipe 4.5 m. long and 40mm dia with necessary 4.06mm dia G.I wire including connection on temporary manner etc as required. (From 1st day till the end)	Each	495.00
<b>1811</b>	Extra for using salt and charcoal for pipe earth electrode as required	Each	159.00
<b>1812</b>	Hire charge of 650 to 850 VA digital inverter & battery having backup capacity of at least 2 hrs on temporary manner including necessary connection etc as required (For 1st 3 days)	Each	583.00

<b>Sl. No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Rate ( ` )</b>
<b>1813</b>	Hire charge of the existing 650 to 850 VA digital inverter & battery having backup capacity of at least 2 hrs on temporary manner etc as required (From 4th day onwards upto 10th day)	Each/day	194.00
<b>1814</b>	Hire charge of the existing 650 to 850 VA digital inverter & battery having backup capacity of at least 2 hrs on temporary manner etc as required (From 11th day onwards till the end)	Each/day	28.00
<b>1815</b>	Hire charges of portable Diesel Generator set of following ratings on temporary manner including necessary connection, operator, fuel etc. as required. (For 1st 3 days)		
	(a) 5 KVA DG set	Each	2062.00
	(b) 7.5 to 10 KVA DG set	Each	3093.00
<b>1816</b>	Hire charge of existing portable Diesel Generator set of following ratings on temporary manner including necessary operator, fuel etc. as required (From 4th day onwards till the end)		
	(a) 5 KVA DG set	Each/day	515.00
	(b) 7.5 to 10 KVA DG set	Each/day	773.00

**Note:- Upkeeping charge(s) for temporary electrical installations shall be considered @ 5% (five percent) of the total estimated cost.**