

BILL OF MATERIALS							
SCHEDULE-A: ELECTRICAL PETTY WORKS (ANNUAL CONTRACT)							
SL. NO.	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
				Rs.	P	Rs.	P
1	Supply and fixing of weather proof MS box with one coat of red oxide and 2 coat of alu. paint for street light with 1 No of 15A fuse carrier and 6 way 15A connector.	1	No.				
2	Supply and fixing of Best & Crompton / Sakthi Crown make 3 phase 20A , 4 pin 415V switched metal clad socket on wall suitable MS box with necessary fixtures etc., on wall / column.	1	No.				
3	Supply and laying of aluminium conductor PVC insulated armored cable on wall/trench/rack with necessary fixtures etc.Make: Any ISI approved.						
	(A) 2x4 / 2x6 Sq mm	1	Mtr.				
	(B) 3x4 / 3x6 Sq mm	1	Mtr.				
4	Fixing of 63A GEC Alsthom make combination fuse switch unit on stand/column with necessary fixtures etc (The 63A Fuse switch alone will be supplied by BHEL free of cost at BHEL stores)	1	No.				
5	Removing of 125 /250 / 400W HPMV /HPSV / MH lamp from bay roof.	1	No.				
6	Fixing of 1x40W/2x40W/2x65W/4x20W XRP 18W flu. lamp patty/box/decorative/industrial/ PSV fitting with lamps on wall/ceiling/truss with necessary fixtures etc.,(the fitting with lamp will be supplied by BHEL free of cost from stores)	1	No.				
7	Fixing of 125 / 250 / 400 HPMV / HPSV / MH lamp fitting with lamp and suitable pipe bracket with necessary clamps fixtures etc., (the lamp and fitting will be supplied by BHEL free of cost from BHEL stores)	1	No.				

8	Supply and fixing of calling bell/buzzer on suitable teak wood/MS box with necessary fixtures etc.,	1	No.		
9	Supply and fixing of 12" 1420 rpm single phase AC exhaust fan with suitable mounting rings, brackets and resilient rubber cushions and with necessary fixtures and with self closing louvers.Make:(Almonard / Havells / Crompton / Orient / Khaithan)	1	No.		
10	Fixing of 1200 mm sweep double ball bearing single phase AC ceiling fan and regulator with necessary fixtures etc., (the fan and regulator will be supplied by BHEL free of cost from stores)	1	No.		
11	Supply and fixing of 5A 3 / 5 pin flush type switched socket of ANCHOR make on suitable teak wood box/MS box with necessary fixtures etc on the wall/concealed with wall.	1	No.		
12	Supply and fixing of 15A 3 / 5 pin flush type switched wall socket of ANCHOR make on suitable teak wood box/MS box on the wall/concealed in wall with necessary fixtures etc.	1	No.		
13	Supply and fixing of 10A / 20A 3 pin 250V metal clad socket of Best & Crompton / Sakthi Crown make with plug top with necessary fixtures etc., on MS box on wall/column.	1	No.		
14	Supply and wiring/concealed wiring with 1.5 sq.mm. cu.conductor PVC insulated unsheathed cable on suitable PVC FLAT conduit with 1 No of 5A flush type switch (ANCHOR make with LIGHT/FAN/ BELL symbol)on suitable teak wood box/MS box with necessary fixtures etc on wall for light/ceiling fan/exhaust fan /calling bell/buzzer.	1	Pnt.		
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15	Supply and fixing of 10A / 20A metal clad 4 pin 440V socket of Best & Crompton / Sakthi Crown make with suitable plug pin top with necessary fixtures on MS box on wall/column.	1	No.		
16	Supply and wiring with 1.5 sq.mm.Copper conductor PVC insulated unsheathed cable on suitable PVC FLAT conduit with 1 No of 5A flush type switch (ANCHOR make with LIGHT/FAN/BELL symbol) on suitable MS weather proof box with hinged door and locking arrangement with necessary fixture etc., on wall.	1	Pnt.		
17	Supply and wiring/concealed wiring with 1.5 sq.mm Cu. conductor PVC insulated unsheathed cable in suitable rigid PVC FLAT conduit pipe with continuous running of 14SWG copper wire for earthing with necessary fixtures etc., on wall for 5A wall socket.	1	Pnt.		
18	Supply and wiring/concealed wiring with 2.5 sq.mm Cu. conductor PVC insulated unsheathed cable in suitable rigid PVC FLAT conduit pipe with continuous running of 14SWG copper wire for earthing with necessary fixtures etc., on wall for 15A wall socket.	1	Pnt.		
19	Supply and fixing of 63A ICTPN switch fuse unit of GE make with 3 no of 63 A HRC fuses - on suitable iron frame work with necessary fixtures etc on wall/column/stand.	1	No.		
20	Supply and fixing of 63A TP metal clad switch fuse unit of GE make with 3 no of 63 A HRC fuses - on suitable iron frame work with necessary fixtures etc on wall/column/stand.	1	No.		
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21	Supply and fixing of MCB distribution board with 1 No of 30A TPN MCB as incomer& with 3 Nos of 30A DP MCB as out going within suitable MS box, with necessary bus bar and interconnections arrangement - in the wall concealed/ open and covered with suitable MS sheet cover/perspex sheet cover and necessary fixture etc.,(make:GE/Siemens / MDS / legarnd /	1	No.		
22	Supply and fixing of MCB distribution board with 1 No of 30A TPN MCB as incomer with 3 Nos of 30A DP MCB as out going within suitable MS BOX, with necessary bus bar and interconnections arrangements - in the wall concealed/open and covered with suitable MS sheet cover/perspex sheet cover and necessary fixture etc.,(make:GE/Siemens / MDS / legarnd /	1	No.		
23	Supply and fixing of MCB distribution board with 1 No of 60A DP MCB as incomer and 12 Nos of 15A SP MCB as out going within suitable MS BOX, with necessary bus bar and interconnections arrangements - in the wall concealed/open and covered with suitable MS sheet cover/perspex sheet cover and necessary fixture etc.,(make:GE/Siemens / MDS / legarnd / Hovelle)	1 No.	No.		
24	Supply and fixing of 60A DP / TP / TPN / MCB with necessary fixtures, interconnections etc.,				
	(A) On the existing MCB distribution board	1	No.		
	(B) With suitable MS BOX	1	No.		
25	Supply and fixing of 30A DP / TP / TPN / MCB with neutral link with necessary fixtures, interconnections etc.,				
	(A) On the existing MCB distribution board	1	No.		
	(B) With suitable MS BOX	1	No.		
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26	Supply and fixing of 30A DP / TP / TPN / MCB with necessary fixtures, interconnections etc.,				
	(A) On the existing MCB distribution board.	1	No.		
	(B) With suitable MS BOX	1	No.		
27	Supply and laying of 2 runs of 4 Sq.mm Cu. Conductor PVC insulated unsheathed cable in suitable PVC rigid conduit concealed in wall/open with necessary fixtures etc.,	1	Mtr.		
28	Laying of 2x2.5/2x4/2x6/2x10/2x16/3x4/3x6/ 3x10/3x16 sq.mm.alu. conductor PVC insulated armoured cable in ground as per our Special instructions to tenderers (the cable will be supplied by BHEL free of cost from stores)				
	(A) In ground of ordinary earth / soft rock.	1	Mtr.		
	(B) In ground of hard rock.	1	Mtr.		
29	Laying of 2x2.5/2x4/2x6/2x10/2x16/3x4/3x6/ 3x10/3x16sq.mm.alu.conductor PVC insulated armoured cable on wall/trench/racks with necessary fixtures etc.,(the cable will be supplied by BHEL free of cost from stores)	1	Mtr.		
30	Laying of 2x25 / 4x6 / 4x10 / 4x16sq.mm alu. Conductor PVC insulated armoured cable in ground as per our Special instructions to tenderers(the cable will be supplied by BHEL free of cost from stores)				
	(A) In ground of ordinary earth / soft rock.	1	Mtr.		
	(B) In ground of hard rock.	1	Mtr.		
31	Laying of 2x25 / 4x6 / 4x10 / 4x16sq.mm alu. Conductor PVC insulated armoured cable on wall/trench/racks with necessary fixtures etc.,(the cable will be supplied by BHEL free of cost from stores)	1	Mtr.		
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32	Laying of 3x25 / 3x50 / 3x95 / 3½x25 / 3½x50 / 3½x95 sq.mm.alu. conductor PVC insulated armoured cable in ground as per our Special instructions to tenderers (the cable will be supplied by BHEL free of cost from stores)				
	(A) In ground of ordinary earth / soft rock.	1	Mtr.		
	(B) In ground of hard rock.	1	Mtr.		
33	Laying of 3x25 / 3x50 / 3½ x70 / 3x95 / 3½x25 / 3½x50/ 3½x95 sq.mm. alu.conductor PVC insulated armoured cable on wall/trench/racks with necessary fixtures etc.,(the cable will be supplied by BHEL free of cost from stores)	1	Mtr.		
34	Laying of 3x185 / 3x300 / 3½x185 / 3½x300 sq.mm. alu. Conductor PVC insulated armoured cable in ground as per our Special instructions to tenderers (the cable will be supplied by BHEL free of cost from stores).				
	(A) In ground of ordinary earth / soft rock.	1	Mtr.		
	(B) In ground of hard rock.	1	Mtr.		
35	Laying of 3x185 / 3x300 / 3½x185 / 3½x300 sq.mm.alu.conductor PVC insulated armoured cable on wall/trench/racks with necessary fixtures etc.,(the cable will be supplied by BHEL free of cost from stores)	1	Mtr.		
36	Laying of 2 runs of 3x185 / 3½x185 / 3½x300 sq. mm. Alu. Conductor PVC insulated armoured cable in ground as per our Special instructions to tenderers (the cable will be Supplied by BHEL free of cost from stores)				
	(A) In ground of ordinary earth / soft rock.	1	Mtr.		
	(B) In ground of hard rock.	1	Mtr.		
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37	Laying of 2 runs of 3x185 / 3½x185 / 3½x300 sq.mm alu.conductor PVC insulated armoured cable on wall/trench/racks with necessary fixtures etc.,(the cable will be supplied by BHEL free of cost from stores).	1	Mtr.		
38	Removing of 2x6 / 2x10 / 2x16 / 3x4 / 3x6 / 3x16 sq.mm. PVCA cable from ground.	1	Mtr.		
39	Removing of 2x6 / 2x10 / 2x16 / 3x4 / 3x6 / 3x16 sq.mm PVCA cable from wall/trench/rack/ floor.	1	Mtr.		
40	Removing of 4x6 / 4x10 / 4x16 / 2x25 sq.mm. PVCA cable from ground.	1	Mtr.		
41	Removing of 4x6 / 4x10 / 4x16 / 2x25 sq.mm PVCA cable from wall/ trench/ rack/ floor.	1	Mtr.		
42	Removing of 3x25 / 3x50 / 3x95 / 3½x25 / 3½x50 / 3 ½ x 70 / 3½ x95 sq.mm.PVCA cable from ground.	1	Mtr.		
43	Removing of 3x25 / 3x50 / 3x95 / 3½x25 / 3½x50 / 3½x70 / 3½x95 sq.mm PVCA cable from wall/trench/ rack floor.	1	Mtr.		
44	Removing of 3x185 / 3½x185 / 3½x300 sq.mm. PVCA cable from ground.	1	Mtr.		
45	Removing of 3x185 / 3½x185 / 3½x300 sq.mm. PVCA cable from wall/ trench/ rack/floor.	1	Mtr.		
46	Removing of 2 runs of 3x25 / 3x50 / 3x95 / 3½x25 / 3½x50 / 3½x70 / 3½x95 sq.mm. alu. Conductor PVCA cable from ground.	1	Mtr.		
47	Removing of 2 runs of 3x25 / 3x50 / 3x95 / 3½x25 / 3½x50 / 3½x70 / 3½x95 sq.mm.alu. conductor PVCA cable from wall / trench / rack / floor.	1	Mtr.		
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48	Removing of 2 runs of 3x185 / 3½x185 / 3½x300 sq.mm. alu. Conductor PVCA cable from ground.	1	Mtr.		
49	Removing of 2 runs of 3x185 / 3½x185 / 3½x300 sq.mm alu. Conductor PVCA cable from wall/trench/rack/floor.	1	Mtr.		
50	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2x2.5/2x4/2x6 sq.mm. alu. Conductor PVCA cable.	1	No.		
51	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2x10/2x16/2x25 sq.mm. alu. Conductor PVCA cable.	1	No.		
52	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 3x2.5/3x4/3x6 sq.mm. alu. Conductor PVCA cable.	1	No.		
53	Making end termination with supply of suitable size of cable glands, lugs etc.using anti corrosive paste for 3x10/3x16 sq.mm. alu. Conductor PVCA cable.	1	No.		
54	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 4x2.5/4x4/4x6 sq.mm. alu. Conductor PVCA cable.	1	No.		
55	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 4x10/4x16 sq.mm. alu. Conductor PVCA cable.	1	No.		
56	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 3x25 sq.mm. alu. Conductor PVCA cable.	1	No.		
57	Making end termination with supply of suitable size of cable glands,lugs etc. using anti corrosive paste for single run of 3x50 sq.mm. alu. Conductor PVCA cable.	1	No.		
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58	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for single run of 3x95 sq.mm. alu. Conductor PVCA cable.	1	No.		
59	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for single run of 3x185 sq.mm. alu conductor PVCA cable.	1	No.		
60	Making end termination with supply of suitable size of cable glands, lugs etc.using anti corrosive paste for single run of 3½x25 sq.mm. alu. Conductor PVCA cable.	1	No.		
61	Making end termination with supply of suitable size of cable glands .lugs etc using anti corrosive paste for single run of 3½x50 /3½x70 sq.mm. alu. Conductor PVCA cable.	1	No.		
62	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for single run of 3½x95 sq.mm. alu. Conductor PVCA cable.	1	No.		
63	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for single run of 3½x185 sq.mm.alu. conductor PVCA cable.	1	No.		
64	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2runs of 3½x95 sq.mm. alu. Conductor PVCA cable.	1	No.		
65	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2runs of 3x95 sq.mm. alu. Conductor PVCA cable.	1	No.		
66	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2run of 3x185 sq.mm. alu. Conductor PVCA cable.	1	No.		
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67	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2runs of 3½ x185 sq.mm. alu. Conductor PVCA cable.	1	No.		
68	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2runs of 3½ x300 sq.mm. alu. Conductor PVCA cable.	1	No.		
69	Removing end termination of 2x6/2x10/2x16/3x4/3x6/3x10/3x16/4x10/4x6/4x16/2x25 sq.mm. PVCA cable.	1	No.		
70	Removing of end termination for 3x25/3x50/ 3x95 / 3x185 / 3x300 / 3½x25 / 3½x50 / 3½x70 / 3½x95 /3½x 185 / 3½ x300 sq.mm. PVCA cable.	1	No.		
71	Supply and laying of 50x6mm GI flat for earthing.	1	Mtr.		
72	Supply and laying of 25x6mm GI flat for earthing.	1	Mtr.		
73	Supply and laying of 25x3mm GI flat for earthing.	1	Mtr.		
74	Supply and laying of earthing wire.				
	(A) 8 SWG GI wire	1	Mtr.		
	(B) 14 SWG Bare Copper wire	1	Mtr.		
75	Laying of 25x6mm GI flat (the GI flat will be supplied by BHEL free cost)	1	Mtr.		
76	Laying of 25x3mm GI flat (the GI flat will be supplied by BHEL free of cost)	1	Mtr.		
77	Laying of 8 / 14SWG GI / Copper wire(the 8 / 14 SWG GI / Copper wire will be supplied by BHEL free of cost)	1	Mtr.		
78	Supply and providing 19mm dia 2mm thick MS down rod for lights and fans.	1	Mtr.		
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79	Supply and laying of 19mm dia. 2mm thick PVC rigid conduit pipe with necessary fixtures.	1	Mtr.		
80	Fixing of 200A or 300A GEC ALSTHOM make combination fuse switch unit in the existing industrial type panel with MS cable entry adoptor box (top/bottom) with necessary fixtures etc., (the 200A/300A switch only will be supplied by BHEL free of	1	No.		
81	Fixing of 100A GEC ALSTHOM make combination fuse switch unit in the existing industrial type panel with MS cable entry adoptor box (top/bottom) with necessary fixtures etc., (the 100A switch only will be supplied by BHEL free of cost)	1	No.		
82	Fixing of 32A switch fuse unit with suitable iron frame work on floor/wall/column with necessary fixtures etc., (The 32A switch fuse unit will be supplied by BHEL free of cost)	1	No.		
83	Fixing of 63A GEC ALSTHOM make combination fuse switch unit in the existing industrial type panel with necessary fixtures etc., (The 63A switch only will be supplied by BHEL free of cost)	1	No.		
84	Fixing of 8 way 63A per way TPN HRC fuse distribution board with 1 No of 200A combination fuse switch unit as incomer with top entry MS cable adoptor box on suitable iron frame work or iron frame stand to be fixed on the concrete floor with necessary inter-connection and fixture etc.,(the 8 way 63A & 200A,switch only will be supplied by the BHEL free of cost).	1	No.		
85	Supply & Making straight through joints using of M-Seal kit for LT 3x95 / 3½ x95 sq.mm PVCA cable.	1	No.		
86	Supply & Making straight through joints using of M-Seal kit for LT 3x185 / 3½ x185sq.mm PVCA cable.	1	No.		
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87	Supply & Making straight through joints using of M-Seal kit for LT 3x50/3½x50 / 3½x70 sq.mm PVCA cable.	1	No.		
88	Supply & Making straight through joints using of M-Seal kit for LT 3x25/3½x25 sq.mm PVCA cable.	1	No.		
89	Supply & Making straight through joints using of M-Seal kit for LT 2x6 / 2x10 / 2x16 / 3x6 / 3x10 / 3x 6 sq.mm. PVCA cable.	1	No.		
90	Fixing of 1x400W / 2x400W HPMV / HPSV / MH with lamp - light fitting with lamp neces-sary fixtures etc., on the column/wall/post/tower. (the fitting and lamp will be supplied by BHEL free of cost)	1	No.		
91	Fixing of 250W HPSV/HPMV street light fitting with 1 No of 250W HPSV/HPMV lamp with necessary clamps, fixtures etc., on the existing pipe bracket / roof / pole (the fitting and lamp will be supplied by BHEL free of cost).	1	No.		
92	Erection of steel tubular 10.5 mtrs/12 mtrs street light pole with pipe bracket, coil earthing, 2 Nos of each 1.5 mtrs long GI pipe embedded on concrete suitable for taking out 2 core 16 sq.mm. PVCA Al. cable with necessary concreting coping etc., (the pole with pipe bracket alone will be supplied by BHEL free of cost)	1	No.		
93	Fixing of 125 / 250 / 400 / W HPMV/HPSV, MH lamp / Choke / Ignitor etc - on the existing fitting on wall / column / tower / roof / pole (the lamp and mobile ladder will be supplied by BHEL free of cost).	1	No.		
94	Removing of street light 250W HPSV/ HPMV MH / lamp fitting and lamp.	1	No.		
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95	Supply and wiring with 2 runs Copper Conductor PVC insulated sheathed cable on existing MS conduit pipe.				
	(A) 1.5 Sq mm Copper wire	1	Mtr.		
	(B) 2.5 Sq mm Copper wire	1	Mtr.		
96	Supply and fixing of 6" x 4" MS box.	1	No.		
97	Supply and fixing of 8" x 6" MS box.	1	No.		
98	Supply and fixing of 12"x8" MS box.	1	No.		
99	Removing of 63A 5 pin metal clad socket.	1	No.		
100	Supply and laying of 19mm dia 2mm thick MS rigid conduit with necessary fixtures etc.,	1	Mtr.		
101	Supply and fixing of speed regulator for AC, single phase, 220V ceiling fan				
	(A) Electronic type (RIDER or Equivalent make) / ANCHOR step regulator	1	No.		
	(B) Conventional resistance control type	1	No.		
102	Fixing of 100A GEC ALSTHOM make TPN combination fuse switch unit on stand/column with necessary fixtures etc.,(the 100 A switch alone will be supplied by BHEL free of cost).	1	No.		
103	Fixing of 200A GEC ALSTHOM make TPN combination fuse switch unit on stand/column with necessary fixtures etc.,(the 200 A switch alone will be supplied by BHEL free of cost)	1	No.		
104	Fixing of 400A GEC ALSTHOM make TPN combination fuse switch unit on stand/column with necessary fixtures etc., (the 400A switch alone will be supplied by BHEL free of cost)	1	No.		
105	Removing of 1x40W, 2x40W box / patti type fitting from wall/ceiling and handing over the same to the department.	1	No.		
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106	Supply and wiring with 2.5 sq.mm.Copper conductor PVC insulated unsheathed cable in suitable PVC rigid conduit pipe with continuous running of 14 SWG GI wire for earthing with necessary fixtures etc., on wall.	1	Pnt.		
107	Removing of ceiling fans with regulator and handing over the same to the department.	1	No.		
108	Supply of extension board with 1No 15A flush type switch with indication and 4 Nos of 5A socket with switches as out going with necessary inter connections etc., all fixed in 12"x8" teak wood box with 5 Mtrs long 3 core 2.5 Sq.mm sheathed copper wire with 15A plug top.(Switches,sockets and plug top shall be of ANCHOR make)	1	No.		
109	Supply and fixing of 18W compact flu.lamp of Havels / Philips / Wipro make with fitting and necessary fixtures etc., on wall/ceiling.	1	No.		
110	Replacing lamp/holder/choke in 125W HPMV / MH street light/flame proof fitting and attending fault in the above fitting (The lamp/holder/choke will be supplied by BHEL	1	No.		
111	Servicing of 1200 mm sweep ceiling fan by checking the ball bearing, condenser etc., if required replace the same, checking the rubber bush, check nut, clamp and all other fixtures etc., (All material will be supplied by BHEL free of cost)	1	No.		
112	Replacing of defective components and proving the performance of fittings at the location of the fitting without removal.				
	(A) 1x40W flu. Fitting	1	No.		
	(B) 2x40W (or) 2x65W flu. Fitting	1	No.		
	(C) 2x20 / 3x20 / 4x20 FL / CFL	1	No.		
	(D) Flame proof flu. Fitting	1	No.		
	(All the spares components will be supplied by BHEL free of				
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113	Removing the fittings from the location, replacing of defective components and refixing the same after proving their performance.				
	(A) 1x40W flu. Fitting	1	No.		
	(B) 2x40W(or)2x65W flu. Fitting	1	No.		
	(C)2x20 / 3x20 / 4x20 FL / CFL.	1	No.		
	(D) Flame proof flu. Fitting	1	No.		
	(All the spares components will be supplied by BHEL at free of cost)				
114	Replacing the defective components and proving the performance of the following items without removal from their locations.				
	(A) 300 mm Exhaust fan single phase , AC	1	No.		
	(B) 450 mm Exhaust fan single phase , AC	1	No.		
	(C) 600 mm Exhaust fan 3 phase ,AC	1	No.		
	(D) 1200 mm ceiling fan	1	No.		
	(Exhaust fan & ceiling fan will be supplied by BHEL at free of				
115	Removal, replacing the defective components and re fixing the same at the original location after proving their performance.				
	(A) 300 mm Exhaust fan single phase , AC	1	No.		
	(B) 450 mm Exhaust fan single phase , AC	1	No.		
	(C) 600 mm Exhaust fan 3 phase, AC	1	No.		
	(D) 1200 mm ceiling fan	1	No.		
	(Exhaust fan & ceiling fan will be supplied by BHEL at free of cost)				
116	Supply and wiring with 1.5sq.mm Cu. Conductor PVC insulated unsheathed cable in suitable rigid PVC conduit with 1 No of 5A flush type switch (ANCHOR make with LIGHT/FAN/BELL symbol) on suitable teakwood box/MS box with necessary fixtures etc., on wall for light/ ceiling fan/ exhaust fan/ calling bell/buzzer.				
	(A) Open wiring with conduit clamps.	1	Pnt.		
	(B) Concealed wiring	1	Pnt.		
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117	Supply and wiring with 1.5 sq.mm Cu. Conductor PVC insulated unsheathed cable in suitable rigid PVC conduit with 1 No of 5A flush type switch (ANCHOR make with LIGHT FAN/BELL symbol) on suitable MS weather proof box with hinged door and locking arrangement with necessary fixtures etc., on wall.	1	Pnt.		
118	Supply and wiring with 1.5 sq.mm. Cu. Conductor PVC insulated unsheathed cable in suitable rigid PVC conduit pipe with continuous running of 14 SWG copper wire for earthing with necessary fixtures etc., on wall for 5A wall socket.				
	(A) Open wiring with conduit clamps.	1	Pnt.		
	(B) Concealed wiring	1	Pnt.		
119	Supply and wiring with 2.5 sq.mm. Cu. Conductor PVC insulated unsheathed cable in suitable rigid PVC conduit pipe with continuous running of 14 SWG copper wire for earthing with necessary fixtures etc., on wall for 15 A wall socket.				
	(A) Open wiring with conduit clamps.	1	Pnt.		
	(B) Concealed wiring	1	Pnt.		
120	Supply and fixing of 63A DS plug, LS 6D socket (BCH Make) and TP 63A rotary switch fixed on a suitable MS box. The MS box has to be fixed on the column with necessary fixtures etc.,(MS box supplied by the supplier) (or) the assembly has to be fixed on ground with suitable MS angle frame stand.	1	No.		
121	Fixing of 63A DS Plug, LS 6D socket and TP 63A rotary switch fixed on a suitable MS box. The MS box has to be fixed on the column with necessary fixtures etc (or) on ground with suitable MS angle frame stand.	1	No.		
122	Fixing of 300 / 450 / 600mm Sweep, 3 Phase 415V Man cooler along with suitable DOL starter on iron frame work, the iron frame to be fixed on column/wall with necessary fixtures etc.	1	No.		
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123	Removing of 300 / 450 / 600mm Sweep, 3 Phase, 415V Man cooler along with DOL starter and handing over the same to the Maintenance Incharge.	1	No.		
124	Fixing of 600mm Sweep, 3 phase , 415V Man cooler along with DOL Starter in the existing iron frame.	1	No.		
125	Fixing of 8 Way 32A per way TPN HRC fuse distribution board with 1 No. of 100A combination fuse switch unit as incomer with top entry MS cable adopter box on suitable iron frame work or iron frame stand to be fixed on the concrete floor with necessary inter connection and fixtures etc(The 8 way 32A DB and 100A switch only will be supplied by BHEL free of cost)	1	No.		
126	Fixing of 8 way 16A per way TPN HRC fuse distribution board with 1 No. of 32 Amps combination fuse switch unit as incomer with top entry MS cable adopter box on suitable iron frame work or iron frame stand to be fixed on the concrete floor with necessary inter connection and fixtures etc(The 8 way 16A DB and 100A switch only will be supplied by BHEL free of cost)	1	No.		
127	Fixing of 250W , HPMV / HPSV / MH suspension type lamp fitting in the medium bay roof with suitable down rod and necessary fixtures etc.,	1	No.		
128	Removing of worn out DSL Insulators and replacing of new DSL Insulators with necessary accessories. (DSL Insulators will be supplied by BHEL).	1	No.		
129	(A) Servicing of 10 A / 20 A - 2/3/4 pins, Single / Three phase power plug sockets, plug tops etc., (All spares will be supplied by BHEL)	1	No.		
	(B) Servicing of 63 Amps, 3 phase welding sockets and plug tops etc.(All spares will be supplied by BHEL)	1	No.		

130	Removing of MCB-DBs of 4/8/12ways 16A/32A/63A,from wall/steel structure	1	No.		
131	Removing of FDBs of 4/8/12ways 16A/32A/63A,from wall/steel structure etc.,	1	No.		
132	Removing of Isolators/Fuse Switch Units of 32/63/100/200/315 and 400A from wall/steel structure etc.,	1	No.		
133	Removing the defective 5A/15A switched socket and fixing a new 5A/15A switched socket to existing switch box (switched socket will be supplied by BHEL).	1	No.		
134	Removing of old PVC conduit wirings and wires from wall/trench and handing over to the section.	1	Mtr.		
135	Fixing of 300/450/600 mm single phase Exhaust fans by making holes on the wall with necessary fixture etc., (Exhaust fan will be supplied by BHEL)	1	No.		
136	Fixing of 600mm/1200 mm three phase Exhaust fans by making holes on the wall with necessary fixture etc., (Exhaust fan will be supplied by BHEL)	1	No.		
137	General cleaning of three phase column mounted /tubular man cooler in production shop floors	1	No.		
138	Providing steel wire mesh for three phase column mounted/ tabular man cooler s with necessary binding wires etc., in production shop floors	1	No.		
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SCHEDULE-B: Annual contract for Earth pit maintenance(Two years)

139	Pouring 60 litres of water(approximately) in the funnel of every earth pit once in a month (The required hose pipe and bucket shall be arranged by the contractor)	225 pits x 24 month =5400	Pits		
140	Writing legibly the details of the reading on the earth pit cover. The details will be given by the concerned supervisor. The details shall be written once in six months . Nerolac paint shall be used for background and white colour paint for lettering.(Paint and brush in contractor's scope)	225 pits x 2 times = 450	Pits		
141	Measurement of earth electrode resistance, Grid earth resistance and soil resistance values once in a year . The contractor shall bring the required Earth Tester with leads, spikes, tools etc as per relevant IS.	225 pits x 2 times = 450	Pits		
142	Corroded worn out damaged fasteners should be replaced with GI fasteners of not less than 8 mm by the contractor . If drilling is needed, the contractor shall bring their own drilling machine.	50	Pits		
143	Earth pits and its surrounding shall be cleaned by the contractor once in a month using their own tools.	225 pits x 24 month =5400	Pits		

144	Corroded / worn out funnels shall be replaced by the contractor wherever necessary.	50	No.		
145	Supply and erection of earth electrode as per the Drawing No BAP:M&S:EL:PLNG:001-08 enclosed.				
	(A) The Earth pit excavation may have to be done in ordinary earth / soft rock.	10	No.		
	(B) The Earth pit excavation may have to be done in hard rock land.	20	No.		
	TOTAL AMOUNT in Rs.				
	Service Tax				
	VAT				
	Any other Tax				
	GROSS TOTAL AMOUNT in Rs.				
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