



ELECTRIC CELL

SPECIAL CONDITION OF TENDER No.7/2

(1)

- (a) Name of work:- Maintenance of Electric work of Non Residential and Residential Buildings Rate Contract.
- (b) Name of Contractor:-
- (c) Estimated Cost:- Rs. 4.90 Lacs.
- (d) Amount of Earnest Money @2% Rs.: - 9,800/-
- (e) Time and Date of Receipt : Time 2.00 P.M. Date 26-09-2017
- (f) Time and Date of Opening : Time 2.30 P.M. Date 27-09-2017
- (g) Site of work:- M.L.S.U.
- (h) Period of completion:- 12 Months
- (i) Rate of Cement:- To be arrange by the Contractor

- (2) Sealed tenders are invited on percentage basis/item rates for the above work from the registered contractors of various departments which will be received & opened by the COMPTROLLER & the Tender Committee at the time & date shown respectively at para 1 (e) & (f) in the presence of those contractors who wish to be present.
- (3) E.M. as shown in para 1(d) above shall be deposited in Cash/Bank draft payable to the undersigned at Udaipur. No tender will be considered without E.M. Outstation Drafts will not be accepted.
- (4) Rates/tender premium quoted should be inclusive of all taxes and charges. No extra payment wil be made for any tax Duty/Royalty/or other charge.
- (5) For the item of the works shown in 'G' schedule which have a reference to the B.S.R. of Rajasthan P.W.D. (B & R) in force on the date of opening of the tender of the relevant circle of P.W.D. shall be considered correct and applicable in the case of any discrepancy.
- (6) The contractor shall bind himself/themselves to carry out quantity upto 50% excess of each item the quantity mentioned in the 'G'/H' schedule & 20% total contract value at the rate quoted by him/them in this tender according to the site requirement.
- (7) The contractor shall bind himself/themselves to carry out extra item of the G-Schedule as per clause 12& 12 A of agreement and total quantum 20% of the total contract value at the rate quoted by him/them in the tender according to the site requirement.
- (8) Work shall be done as per P.W.D. (B&R) Rajasthan Standard Specifications which may have been in force from time to time and measurements will be done accordingly.
- (9) Decision of the Vice-Chancellor, M.L.S.U.in matters of dispute shall be conclusive binding & final.

- (10) Contractors are supposed to see the site conditions and quarries and no claim for any lead other than the included in the rates of various items of works shall be entertained by University. The rate as shown against various items are complete and final.
- (11) Work shall be completed in all respects within the period of completion shown in para 1(h) from the date of written order to commence the work.
- (12) For reasons beyond the control of the contractor, the University authorities may grant extension of the time for the time period as considered reasonable.
- (13) If the contractor fails to commence the work within a week of the receipt of the works order it shall rest, with the University to forfeit his earnest money.
- (14) Condition of any short except as provided in the printed form P.W.D. MF-54, amended upto date will be entertained. The condition in lieu with from P.W.D. MF-64, will be binding on the contractor.
- (15) Steel will not be supplied by the University.
- (16) Supply of cement, if available in the store, will be made at the rate shown in para 1(i) above.
- (17) The connection for water shall be obtained by the contractor from water works if the water is supplied by the University 1% of the gross amount of the bill will be recovered from all the bills.
- (18) The connection of electricity shall be obtained by the contractor from the AVVNL if electricity supplied by the University actual charges shall be recovered from all the bills.
- (19) Any conditional tender will be not excepted.
- (20) The offer shall remain valid for a period of Two months reckoned from the date of receipt of tender.
- (21) The tenders before submitting their terms and conditions (to executed the works must carefully go through the prescribed Contract Agreement) of the University successful tender shall be required to enter into an agreement with the University as per general conditions laid there in.
- (22) Contractors should sign on and put his seal each page of the tender document including terms and conditions incomplete tenders will be rejected.
- (23) The University reserves full rights to reject any or all tenders without assigning any reasons.
- (24) Disputes if any one subject of jurisdiction of the court at Udaipur only.
- (25) If there is any variations in general terms and conditions of the tender conditions of contract and special terms and conditions, then the provision in special terms and conditions shall prevail.
- (26) Annexure A to D Rajasthan transparency in Public procurement Act12 (see 7) Memorandum of Appeal are applicable.
- (27) Defect liabilities period as per P.W.D. Circular No. 980 dated 12-10-2012 (two years).

SIGNATURE OF CONTRACTOR

**COMPTROLLER
M.L.S.U. Udaipur**

**I/We accept the above conditions and beg to tender.....% Above/Below
on the 'G' Schedule and as per 'H' Schedule attached.**

SIGNATURE OF CONTRACTOR

**COMPTROLLER
M.L.S.U. Udaipur**

"G" SCHEDULE

Name of work:- Maintenance of Electric work of Non Residential and Residential Buildings Rate Contract.

Name of Contractor:- _____

(B.S.R.Electrical 2013)

S.No.	Particulars	Rate @	Unit
1	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make on surface ISI marked (IS:14927 P - II) PVC casing capping & it's accessories, round tiles,18 SWG M.S. box with earth terminal, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required. Short point (upto 3 mtr.) Group-1	194.00	P.Point
2	---do – Medium point (upto 6 mtr.)Group –1	293.00	P.Point
3	...do... Long point (upto 10 mtr.)Group –1	415.00	P.Point
4	Wiring of twin control light / fan / call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make on surface ISI marked (IS:14927 P - II) PVC casing capping & it's accessories, round tiles,18 SWG M.S. box with earth terminal, 6 A two way switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required. Short point (upto 3 mtr.) Group-1	197.00	P.Point
5	---do – Medium point (upto 6 mtr.) Group-1	297.00	P.Point
6	Wiring of 3 Pin 6 amp. Light plug point with 1.5 sq.mm. nominal size FR PVC insulated unsheathed 1.1 KV grade flexible copper conductor and 1.5 nominal size sq.mm. FR PVC insulated unsheathed 1.1 Kv grade copper earth conductor (IS: 694) of approved make on surface ISI marked PVC casing capping & it's 100accessories, 18 S.W.G. M.S. box with earth terminal, screwless cage connectors for neutral looping in switch Board & false ceiling point, 6A switch, 6 A socket, 3.0 mm thick phenolic laminated sheet, zinc plated/ brass screws, cup washers making connections, testing etc. as required On Board Group-1	91.00	P.Point
7	...do... Medium point (upto 6 mtr.) Group –1	326.00	P.Point
8	---do – Long point (upto 10 mtr.) Group-1	442.00	P.Point

9	P&F following size ISI (IS:14927 P-II) marked PVC casing capping & It's accessories like coupler, inner, outer, elbow square box, tee etc. with screws, PVC expansion fasteners as required 25mmx12mm. Group-1	28.00	P.Mtr.
10	---do--- 32mmx12mm Group-1	34.00	P.Mtr.
11	Wiring of light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm. nominal size FR PVC insulated unsheathed grade flexible copper conductor 1.1 KV grade and 1.5 sq.mm. nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 KV grade (IS: 694) of approved make in surface/recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, 18 S.W.G. M.S. box with earth terminal screwless cage connectors of neutral looping in switch board & falce ceiling point, 6A switch 3.0 mm thick phenolic laminated sheet, zinc plated/ brass screws, cup washers making connections, testing etc. as required short point (up to 3 mtr.) Group-1	215.00	P.Point
12	---do – Medium point (upto 6 mtr.)Group –1	338.00	P.Point
13	---do – Long point (upto 10 mtr.) Group-1	474.00	P.Point
14	Wiring of twin control light point with 1.5 sq.mm. nominal size FR PVC insulated unsheathed grade flexible copper conductor 1.1 KV grade and 1.5 sq.mm. nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 KV grade (IS: 694) of approved make in surface/recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, 18 S.W.G. M.S. box with earth terminal screwless cage connectors of neutral looping in switch board & falce ceiling point, 6A 2 way switch 3.0 mm thick phenolic laminated sheet, zinc plated/ brass screws, cup washers making connections, testing etc. as required short point (upto 3 mtr.) Group-1	219.00	P.Point
15	...do... Medium point (upto 6 mtr.)Group –1	340.00	P.Point
16	---do – Long point (upto 10 mtr.) Group-1	475.00	P.Point
17	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq.mm. nominal size FR PVC insulated unsheathed grade flexible copper conductor 1.1 KV grade and 1.5 sq.mm. nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 KV grade (IS: 694) of approved make in surface/recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, 18 S.W.G. M.S. box with earth terminal screwless cage connectors of neutral looping in switch board & falce ceiling point, 6A switch, 6 A socket 3.0 mm thick phenolic laminated sheet, zinc plated/ brass screws, cup washers making connections, testing etc. as required on board.Group-1	251.00	P.Point
18	---do – Medium point (upto 6 mtr.) Group –2	368.00	P.Point
19	---do – Long point (upto 10 mtr.) Group-1	498.00	P.Point

20	S&F following sized (dia.) of ISI marked medium duty PVC conduit along with accessories in surface/ recessed using saddles, clamps, fastener as required including cutting the wall and making good the same as required 25mm Group-1	42.00	P.Mtr.
21	---do--- 32mm Group-1	65.00	P.Mtr.
22	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 KV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required 2x1.5 sq.mm. Group-1	26.00	P.Mtr.
23	...do... 2x2.5sq. mm. + 1x1.5 sq.mm. Group-1	53.00	P.Mtr.
24	...do... 2x4.0 sq. mm. + 1x2.5 sq.mm. Group-1	77.00	P.Mtr.
25	---do--- 4x6.0 sq. mm. Group-1	176.00	P.Mtr.
26	---do--- 2x2.5 sq. mm. Group-1	41.00	P.Mtr.
27	---do--- 4x10 sq. mm. Group-1	305.00	P.Mtr.
28	---do--- 4x16 sq. mm. Group-1	513.00	P.Mtr.
29	Supplying and drawing PVC/Polythene insulated and PVC sheathed unarmoured /armoured telephone cable with 0.5 mm. dia Tinned/annealed copper conductor taped & confirming to ITD specification S/WT-129 C of approved make in existing surface or recessed conduit/casing capping unarmoured 4 Pair. Group-1	21.00	P.Mtr.
30	Wiring for sub mains ISI marked (IS:694) 1100 volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. support wire duly clipped etc. as required 10 sq.mm. Group-1	56.00	P.Mtr.
31	Supplying and fixing of Power plug point accessories on 18 SWG metal box of size 175x100x60mm on surface or in recessed with suitable size phenolic laminated sheet cover including cost of 6 Pin 16 amp. Switch and socket outlet making connection, testing etc. as required Group-1	235.00	Each
32	P/Laying ISI marked PVC insulated submersible cable confirming to IS: 694 with flexible copper conductor incld. Making connection etc. as required 4.00 sq.mm. 3 core flat/rouled Group-1	128.00	P.Mtr.
33	P/Laying ISI marked PVC insulated submersible cable confirming to IS: 694 with flexible copper conductor incld. Making connection etc. as required 6.00 sq.mm. 3 core flat/rouled Group-1	188.00	P.Mtr.

34	P&F paper phenolic resin bounded laminates confirming to IS: 2036-1995 for boxes/frames including making holes for switches etc. with brass screws, washers/ Zinc plated nut and bolts as required Bakelite sheet 9.00 mm thick.	1720.00	P.Sqm.
35	...do... 6.4mm thick.	891.00	P.Sqm.
36	..do...- as required Synthetic phenolic resin bonded laminates confirming to IS:2046 of Group-1 3.00 mm thick	680.00	P.Sqm.
37	P&F in position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and enamel paint of following sizes as required 25mmx25mmx3 mm	77.00	P.Mtr.
38	P&F in position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and enamel paint of following sizes as required 35mmx35mmx5 mm	180.00	P.Mtr.
39	P&F surface/recessed type 10mm thick Teak wood board duly antitermite treated, varnished and fixed by using gutties/PVC fasteners of following size as required 100mmx175mm.	17.00	Each
40	--- do -- 250mmx300mm	36.00	Each
41	P&F Phenolic laminated Sheet 2.00 mm thick of size 75mm dia including screws,cup washers as required.	7.00	Each
42	P&F 240/415 V AC with positive isolation MCB of breaking capacity not less than 10 KA (B/C/D tripping characteristic) ISI marked IS 8828(1996)/Conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required Single Pole MCB 6 A to 32 A rating Group-1	151.00	Each
43	P&F 240/415 V AC with positive isolation MCB of breaking capacity not less than 10 KA (B/C/D tripping characteristic) ISI marked IS 8828(1996)/Conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required Double Pole MCB 40 A to 63 A rating Group-1	689.00	Each
44	---do--- Four Pole M.C.B. 40 A to 63 A rating Group-1	1378.00	Each

45	P&F 240/415 V Isolator Conforming to IS: 13947-III/IEC 60947-3 on existing board/sheets including making connections with lugs, testing etc. as required Four Pole Isolator 100 A rating Group-1	746.00	Each
46	---do--- Double Pole Isolator 63 A Group-1	367.00	Each
47	---do--- Double Pole Isolator 30/40 A Group-1	298.00	Each
48	P&F Recessed/Surface mounting heavy duty horizontal type sheet steel Distribution board Phophatised/Powder painted complete with suitable size copper bus bar, shorting link, neutral link, earth link and din bar conforming to IS 13032 & IS 8623 including making internal DB terminations with copper lugs, testing etc. as required double door (single phase) 12 way Group-1	662.00	Each
49	--do— double door (single phase) 6 way Group-1	860.00	Each
50	...do... Single door (three phase) 4 way Group-1	1565.00	Each
51	--do— double door (three phase) 8 way Group-1	2480.00	Each
52	P&F flush/surface type enclosure for housing MCB/Isolator with Din rail including making connections with lugs, repairs etc. as required with sheet steel enclosure four way Group-1	315.00	Each
53	--do—with Plastic enclosure Four way Group-1	160.00	Each
54	P&F metal clad industrial plug top & socket with pin and sleeve type contacts on porcelain/bakelite box in sheet steel enclosure (without MCB) making connections with lugs, testing etc. as required Three pin/Four pin 32 A Group-1	850.00	Each
55	P&F ISI marked (IS: 3854) 6 amp. Flush type switch including cutting hole in tile and making connection testing etc. as required. Group-1	19.00	Each
56	---do--- 16 amp. Group-1	47.00	Each
57	P&F ISI marked (IS: 3854) bell push surface type including making connection testing etc. as required. Group-1	20.00	Each
58	P&F ISI marked 6 amp. bakelite batten/angle holder including making connection testing etc. as required. Group-1	20.00	Each
59	P&F ISI marked (IS: 1293) 3 pin 6 amp. Flush type socket including cutting hole in tile and making connection testing etc. as required. Group-1	20.00	Each

60	--do—3/6 pin 16 amp. –do--	52.00	Each
61	P&F IS: 371 6 amp. surface type ceiling rose including making connection testing etc. as required. Group-1	18.00	Each
62	P&F ISI marked 6 amp. Bakelite unbreakable 3 pin plug top including making connection testing etc. as required. Group-1	30.00	Each
63	---do--- 16 amp.---do--- Group-1	45.00	Each
64	P&F ISI marked flush type 120/280 watt rotary 5 step fan regulator including making connection testing etc. as required. Group-1 socket size	210.00	Each
65	P&F ISI marked 32 A D.P. Switch with fuse and indicating lamp including making connection testing etc. as required. Group-1	95.00	Each
66	P&F ISI marked flush/ surface type buzzer including making connection testing etc. as required. Group-1	50.00	Each
67	P&F ISI marked single tone electronic call bell including call bell including making connection testing etc. as required. Group-1	225.00	Each
68	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 13947-2 / IEC 60947-2 with front face and centralized adjustable , line load interchangeability, having positive isolation capability, provision for UVR, Shunt trip, earth fault trip, push (test) to trip, including making connections with lugs/spreaders etc. as required with thermal magnetic release 250 Amp., 35 kA, adjustable O/L & adjustable S/C setting lccs = 100% lcu. Group-1	18989.00	Each
69	...do... 125 Amp., 25 kA, adjustable O/L & adjustable S/C setting lccs = 100% lcu. Group-1	7800.00	Each
70	...do... 100 Amp., 25 kA, adjustable O/L & adjustable S/C setting lccs = 100% lcu. Group-1	6341.00	Each
71	P&F TP&N 415 V Sheet steel powder coated HBC cum rewireable switch fuse unit with porcelain Kit-Kat & neutral link and confirming to IS13947 P-I&III and making connections with lugs testing etc. as required 100 Amp. Rating group-1	5432.00	Each
72	P&F TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure confirming to IS13947 P-I&III and IS4064 (W/O HBC fuse) including making connections with suitable lugs testing etc. as required.300/320 Amp. Rating group-1	11130.00	Each

73	P&F bolted type/ Din type HBC (High breaking capacity) fuse links of 80 KA breaking capacity, confirming to IS:13703 in the existing fuse base, fuse switch unit etc. of the Din (Knife type) type 200 A to 400 A group-1	632.00	Each
75	P&F 240/415 V porcelain KitKat fuse (Rewireable/HBC type) confirming to IS: 2086, 1983 on existing board/sheet including making connections with lugs, testing etc. as required 200 A , 415 V group-1	832.00	Each
76	P&F on load change over switch, front handle operated, four pole 415 V confirming to IS: 13947 P-III including connections, testing etc. as required in the following rating with sheet steel enclosure 250 A group-1	14284.00	Each
77	SITC of Four Pole By pass Change Over Switch conforming to IS:13947(Part 3) : IEC:60947-3-1 and IEC:60947-6-1, Open execution type in the following ratings 250 A Gr.I	17440.00	Each
78	Supplying and making end termination with heavy Copper lugs (Pin / ring type) duly crimped with crimping tool, PVC tape etc of following size 10 sq.mm.	12.00	Each
79	...do.. 16 sq.mm.	14.00	Each
80	...do.. 70 sq.mm.	45.00	Each
81	...do.. 120 sq.mm.	68.00	Each
82	...do.. 240 sq.mm.	190.00	Each
83	P/Laying XLPE/ PVC insulated & PVC sheathed cable of 1.1 KV grade with aluminium conductor of IS:7098-1/1554 P-I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IIInd class bricks covering, refilling earth, compaction of earth, making necessary connection of earth, making necessary connection testing etc. as required of size 16 sq. mm. 4 core (unarmoured) Group-1	141.00	P.Mtr.
84	--do-- 95 sq. mm. 3.5 core(armoured) group 1	523.00	P.Mtr.
85	...do....120 sq.mm. 3.5 core (armoured) group-1	636.00	P.Mtr.
86	...do....25 sq.mm. 4 core (armoured) group-1	222.00	P.Mtr.

87	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, copper lugs duly crimped with crimping tool, PVC tape etc. for following size of Armoured PVC insulated & PVC sheathed/XLPE copper conductor cable of 1100 volt grade as required of size 3.5x 185.0 sq. mm. Brass compression gland.	690.00	P.Set
88	P&F bus bar chamber made out of aluminium or wrought aluminium alloy suitable for 100 amp. capacity housed in sheet metal box made out from 1.2mm MS sheet front openable, bus bar fixed on insulators at approved spacing including making connections etc. as required 1500mm long 4 strip Group-1	1480.00	Each
89	P&F following size copper bus bar on insulators at approved spacing in existing panel/bus bar chamber including making hole etc. as required 25x5mm	670.00	P.Mtr.
90	Plate earthing as per IS: 3043 with copper earth plate of size 600mmx600mmx3.0mm by embodying 3 to 4 mtr. Below the ground level with 20mm dia. G.I. 'B' class watering pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel and C.C. finished chamber covered with hinged type with locking arrangement C.I. cover, C.I. frame of size 300mmx300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	9200.00	Each
91	S & laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required 8 SWG copper wire.	79.00	P.Mtr.
92	...do... 20mmx3 mm Copper Strip	402.00	P.Mtr.
93	S & laying following size "A" class G.I. pipe with accessories for laying earth conductor/strip in ground/surface/recess as required 50mm dia..	358.00	P.Mtr.
94	P&F 1.6mm thick M.S. Recessed fan box, hexagonal/round of size 130mm dia, depth 75mm, 12mm dia rod fan hook with 100mm length extended on each side group-1	95.00	Each
95	P&F of Resistance type regulator of approved make including cutting, threading, drilling, fixing quarter pin etc. as reqd.	73.00	Each
96	P&F of capacitor start single phase double ball bearing metallic blade fresh air fan, in existing opening including cost of hardware, flexible copper conductor making connections, testing etc. as required 300mm sweep	1856.00	Each

97	P&F extra down rod of 15mm dia, B class steel pipe including cutting, threading, drilling, fixing quarter pin etc. as reqd. Group-1	89.00	P.Mtr.
98	P&F strip type fluorescent tube fitting fabricated from (CRCA sheet and finished with powder coating/stove enameled paint) (extruded non corrosive UV resist EP Channel) complete with accessories (Low Loss copper choke, starter, starter seat)/Electronic choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required (without tube) 1x36 Watts with EB Group-1	377.00	Each
99	P&F box type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating/stove enameled paint complete with accessories (Low Loss copper choke, starter, starter seat)/Electronic choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required (without tube) 1x36 Watts with EB Group-1	855.00	Each
100	P&F mirror optics type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating, aluminium mirror reflector standard cross louvers complete with accessories like (Low Loss copper choke, starter, starter seat)/Electronic choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required (without tube) 2x36 Watts with EB surface mounting Group-1	2734.00	Each
101	P & F of IP20 LED Recessed / Surface Mounted, Round / Sqaure Non-Dimmable Downlight with die-cast aluminum housing & Heat Sink for heat dissipation, high purity reflector with external driver having efficiency > 85% and in compliance to IEC standards. Power Consumption of ≤ 7W/ 10W / 15W / 18W with ~ 500 / 750 / 1100 / 1250 lumens, System Lumen efficacy of 70 lm / watt output suitable to replace 1x18W / 2x18W / 2x 26W CFL Downlights, life time of 50000 Burning Hours with 70% of intial Lumen maintained. CCT 3000°K , 4000°K & 6000°K. Fixture shall be CE compliance.Surface Mounting LED Downlight 18/20W	2000.00	Each
102	P&F IP-65 protected street light luminaire on existing bracket suitable for HPSV/MH lamp made out from powder coated single piece die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, UV stabilized acrylic bowl cover/toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired upto terminal block etc. as required including making connection testing etc. as required (without lamp) 1x70 watt. Group-1	4370.00	Each
103	P&F energy efficient direct fit (Retrofit) composite compact flourescent lamp PF 0.8 in existing holder/fixture as required 15 watt. Group-1	180.00	Each
104	---do--- 20 watt. Group-1	236.00	Each

105	P&F Fluorescent tube rod in existing fixtures as required fluorescent powder coated 36/40 watts group-1.	63.00	Each
106	P&F Ballast for existing FTL/CFL fixture as required Polyester copper ballast 18/36 watts suitable for FTL group-1	270.00	Each
107	P&F Electronic Ballast for existing FTL/CFL fixture as required Electronic ballast 18/36 watts suitable for FTL group-1	575.00	Each
108	P&F High pressure sodium vapour HPSV Tubular lamp normal output 70 watt 6600 lumens Group-1	420.00	Each
109	---do--- 150 watt 15000 lumens Group-1	465.00	Each
110	---do--- 250 watt 28000 lumens Group-1	550.00	Each
111	P&F Electronic ignitor suitable for HPSV/ Metal Halide lamp upto 30.0 mtr. Distance as required group-1	270.00	Each
112	P&F low loss electromagnetic polyester copper ballast suitable for HPSV Metal halide lamp 70 watt Group-1	880.00	Each
113	---do--- 150 watt Group-1	1530.00	Each
114	P&F of recess mounting CFL luminaire made from powder coated CRCA sheet with perforations on the body with metalised polystyrene louvers, complete with accessories extra low watt loss copper ballast, starter, holder, condenser, terminal block duly prewired with copper conductor including making connections testing etc. as required (without lamp) 2xPL-36 watt Group-1	4376.00	Each
115	Labour charges for dismantling of surface PVC/steel conduit including wiring in conduit, conduit fittings and depositing the same with listing of material in store.	8.00	P.Mtr.
116	Labour charges for dismantling of surface recessed switch board of any size and depositing the same with listing of material in store.	5.00	Each
117	Labour charges for dismantling of switch accessories like switch, socket, ceiling rose, holder and depositing the same with listing of material in store.	3.00	Each
118	Labour charges for dismantling of wiring in existing conduit of following size and depositing the same with listing of material in store. upto 10.00 sq.mm. wire	4.00	P.Mtr.

119	SITC of wall free standing floor mounted dust and vermin proof compartmentalised, cubical panel made out of CRCA sheet, required hardware, duly painted by either two coats of zinc/ red oxide primer followed by two coats of synthetic enamel paint or powder coating in grey or required shade after rising. The panel having PU/Neoprene rubber gasket of not less than 3mm thickness, separate detachable gland plate M.S. base channel, hinged floor with locking arrangements for equipment/ switchgear Thickness of sheet shall not be less than 1.6mm upto 600mm length/ width of any compartment and be of 2.00 mm thick sheet supported by base M.S. channel if required. Side walls and cable alley compartments having bolted type doors with detachable extension type structure. (only outer area on all sides shall be measured & panel to be fabricated from CPRI approved fabricator) Enamel painted with phosphatation Group-1	2752.00	P.Sqm.
120	P&F Star rated double ball bearing capacitor star, aluminium body & blade ceiling fan with down rod upto 30 cm with 3x1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required 1200mm sweep 5 star rated. (Make Orient/C.G./ Havells)	1896.00	Each
121	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.Analog type (96 mm x 96 mm)	570.00	Each
122	...do... Digital type	1100.00	Each
123	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.Analog type (96 mm x 96 mm)Below 500 A	375.00	Each
124	...do... Digital type Below 500 A	1100.00	Each
125	P / L of Double wall corrugated HDPE pipe confirming to IS : 14930 P - 1 & 2 with HDPE Coupler at 1 mtr. Depth below the ground for laying cable including making the trench and back filling , compaction of earth as required of Gemini or IS:14930 marked make. Outer Dia. / Inner dia. 90 / 76 mm	150.00	Mtr.
126	P , Laying &Jointing R.C.C. class NP-2 (Non pressure) pipes (IS:458) with collars. Jointed with cement mortar of ratio 1:2 including excavation etc. as required. 200 mm dia internal.	400.00	Mtr.
127	P&F bus bar chamber housed in sheet metal box made out from 1.2 mm thick powder coated CRCA sheet front openable bus bar made out of Copper suitable for 200 amp. Capacity , bus bar fixed on porcelain insulators at approved spacing including making connections etc. as required.450 mm long , 4 strip	1670.00	Nos.

128	Supply and erection of P.C.C./R.C.C. pole as per REC manual no 15/1979 conforming to IS: 2905/1966 including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect. 9.0 Mtr long (200 Kg) as per Discom specification	3859.20	Nos.
129	Supply and erection of GI stay set as per Discom specification complete with long stay rod with anchor plate including stay clamps turn buckle and G.I stay wire tightened through strain insulator, in cement concrete 1:3:6 including excavation of pit-re-filling etc as reqd.Stay set of dia 20mm,2.4m long stay rod and anchor plate 380x380x6.4mm	1319.00	Nos.
130	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications.LT cross arm 600 mm long with clamp	280.00	Nos.
131	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 suitable for working voltage 1100 volts including all accessories like hot dip GI forged spindle of 260mm long and nuts etc as reqd as per Discom specification.105mm x 80mm	65.00	Nos.
132	Supply and fixing of porcelain shackle insulator as per IS:1443 1979 suitable for working on 1100 volts including hot dipped GI accessories and heavy duty hardwares etc as required as per Discom specification. 100mm x 110mm	120.00	Nos.
133	Supplying and drawing overhead steel core Aluminium conductor (ACSR) ISI marked(IS 398 part II-1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required as per Discom specification.50 Sqmm of (6+1) 3.35 mm (Insulated Rabbit)	62.00	Mtr.
134	SF of selector switch of 10 A for voltmeter (4 position) including making connection etc. as required .	228.00	Each
135	SF of CT linked selector switch of 10 A for Ampere meter (4 position) including making connection etc. as required .	286.00	Each
136	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, including connection etc. as required.Red/yellow/Green colour	150.00	Each

137	P & Laying XLPE insulated IS:7098/II/85 of Group1 and approved make H.T.cable for working voltage 11 K.V.Earthed direct in ground including excavation of 30cmx100cm size trench, 25cm layer of river sand, IIInd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size. 3 core 50.0 Sq.mm	664.00	P.Mtr.
138	Providing & making heat shrinkable type indoor/outdoor/straigh through terminations/ joint kit of Group1 and approved make suitable for XLPE insulated 11 KV / 33 KV cable, with required components, preparation of cable ends,testing etc. as required of following sizes .11 KV End Termination Kit Outdoor type 3 core 35/50 Sq.mm	5200.00	P.Set

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I/We beg to tender tender for the above work @-----% Above/Below the “G” Schedule as per terms and conditions above.

Signature of contractor

Name of contactor:.....

Address:.....

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Phone No. (O).....

(R).....

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