

## BOQ for Internal Electrification Work in Existing Building, RDPL ,Jaipur

Project Name : - RDPL, Jaipur

Annx.-3

S. No.	Description	Unit	Quantity	Rate	Amount
<b>Distribution Boxes</b>					
1	P&F recessed mounting heavy duty sheet steel End Box for distribution board duly phosphatised powder coated complete as required.				
a	For TPN 12 way DB / all VTPN DB	Each	4		
2	SITC of quick make and quick break 3 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 60947-2 / IEC 60947-2 with front face and centralised 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.				
a	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	Each	4		
3	P&F 240/415 V AC MCB with positive isolation 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.				
<b>Triple pole &amp; neutral MCB</b>					
a	6 A to 32 A rating	Each	30		
b	40 A 63 A rating	Each	16		
4	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 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, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.				
<b>25.0 Sq.mm</b>					
a	3.5 core	Mtr.	100		
5	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with Copper conductor of IS:1554 P-I / IS :7098 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, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.				
<b>10.0 Sq.mm (Armoured)</b>					
b	4 core	Mtr.	100		
6	Supplying and making end termination with heavy Copper lugs ( Pin / ring type ) duly crimped with crimping tool, PVC tape etc of following size.				
b	10.0 Sq.mm	Set	50		
7	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. group-1				
a	2 x 2.5 sq. mm. + 1x1.5sqmm	Mtr.	1000		
b	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.	Mtr.	800		
8	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit with Wire mesh and making good the same as required.				
a	50 mm	R. mtr.	200		
9	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit with Wire mesh and making good the same as required.				
a	20 mm	R. mtr.	500		
c	25 mm	R. mtr.	800		

S. No.	Description	Unit	Quantity	Rate	Amount
<b>Sub Total ( Distribution Boxes)</b>					
<b>Point Wiring &amp; Fixtures</b>					
10	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 in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, Hot Dipped Galvanized Modular Box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required.				
a	Short point (up to 3 mtr.)	P. point	80		
b	Medium point (up to 6 mtr.)	P. point	140		
c	Long point (up to 10 mtr..)	P. point	302		
11	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in sheet steel enclosure (without MCB) including making connections, testing etc.as required				
<b>Three / Four pole (Five pin)</b>					
	20 A	Each	5		
	30A-32A	Each	5		
<b>Sub Total (Point Wiring &amp; Fixtures)</b>					
<b>Dismantling &amp; Shifting of Existing DB &amp; other accessories</b>					
12	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.	R. Mtr.	200		
13	Labour charges for dismantling of Recessed/ Surface mounting Distribution Box of any size and depositing the same with listing of material in store.	Each	10		
14	Labour charges for dismantling of Recessed/ Surface mounting switch accessories like switch, socket, ceiling rose, holder and depositing the same with listing of material in store.	Each	50		
15	Labour charges for Fixing of Recessed/ Surface mounting Distribution Box of any size as per direction of engineer-in-charge.	Each	50		
<b>Sub Total (Point Wiring &amp; Fixtures)</b>					
<b>Grand Total</b>					