

**FORMAT –B (Annexure-III)**

**Bill of Quantities AR&M works (Electrical) Residential buildings**  
**Part-I (Schedule items)**

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate in figure</b>	<b>Rate in words</b>	<b>Amount</b>
01	Point Wiring in PVC Conduit with piano type switch: Wiring for light point/fan point/ Exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed steel/PVC conduit with piano type switch, phynolic laminated switch, suitable size MS box and earthing the point with 1.5 Sq mm FR PVC insulated copper conductor single core cable etc. as required.					
	Group A	Point	100			
	Group B	Point	40			
02	Point Re-wiring: Rewiring for light point/fan point/ Exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core and 1.5 sq mm FR PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required.					
	Group A	Point	15			
	Group B	Point	8			
03.	Wiring in existing conduit: Supplying and drawing following sizes of FR PVC insulated copper conductor single core cable in the existing surface/recessed steel/PVC conduit as required					
	2x 1.5sq.mm	Mtr	50			
	2x 4 sq mm	Mtr	200			

04	S/ F PVC Conduit: Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including cutting the wall and making good the same as the case of recessed conduit as required.					
	20 mm	Mtr	50			
05	S/F Piano Type Switch socket: Supplying and fixing of following piano type switch/socket on the existing switch box/cover i/c connections as required.					
	5/6 amps switch	Each	100			
	15/16 Amps Switch	Each	30			
	3 pin 5/6 amp socket outlet	Each	40			
	6 pin 15/16 amp socket outlet	Each	30			
06	S/F Ceiling rose: S/F 3 pin, 5 amp ceiling rose on the existing junction box/wooden block i/c connection etc. as required.	Each	40			
07	S/F brass holder : S/F Brass batten/angle holder i/c connection etc. as required.	Each	30			
08	ITC Florescent fitting Directly on surface: Installation, testing and commissioning of pre wired florescent fitting/compact florescent fitting of all types, complete with accessories and tube etc, directly on ceiling/wall i/c connection with 1.5sq mm FR PVC insulated copper conductor single core cable and earthing etc as required.	Each	8			
09	ITC Ceiling Fan: Installation, testing and commissioning of ceiling fan i/c wiring the down rods of standard length (up to 30cm) with 1.5sq mm FR PVC insulated copper conductor single core cable and earthing etc as required.	Each	20			

10	Power plug wiring in PVC conduit (2x4 sq mm): Wiring for light/power plug with 2 x 4sq mm FR PVC insulator copper conductor single core cable in surface/recessed PVC conduit along with 1no. 4sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	50			
11	Circuit/sub-main wiring in PVC conduit: Wiring for circuit/sub-main wiring along with earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.					
	2x2.5 sq mm + 1x 2.5sq mm earth wire	Mtr	100			
	2 x 4sq mm + 1x4sq mm earth wire	Mtr	50			
	2 x 6sq mm + 1x6sq mm earth wire	Mtr	40			
12	S/F SPMCB DB : S/F following way single pole and neutral, sheet steel MCB distribution Box 240 holes on surface /recess, complete with tinned copper busbar, neutral busbar, earth bar, Din bar detachable gland plate interconnection, Phosphatized and powder painted i/c earthing etc as required (but with out MCB/RCCB/Isolator)					
	8 way, single door	Each	15			
13	S/F 'B' Series, SPMCB: Supplying and fixing 5amps to 32 amps rating, 240volts 'B' Series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc, as required					
	Single pole	Each	75			
14.	S/F DP MCB isolator: Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc, as required					
	40 amps	Each	15			

15.	Supplying and laying 8 SWG copper wire in ground: Supplying and laying 8 SWG copper wire at 0.50 meter below ground level for conductor earth electrode i/c soldering etc. as required	Mtr	100			
<b>Sub Total Schedule Items</b>						

**Rupees .....only**

**Part-II (Non- Schedule items), Residential buildings.**

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate in figures</b>	<b>Rate in words</b>	<b>Amount</b>
1.	Supplying and fixing of suitable capacitor to regulate the functioning of ceiling fan, having ISI work including all accessories.	Each	40			
2.	Supplying and fixing of 1x 40 watt starter of reputed make having ISI mark including all accessories, suitable for 1x40 watt fluorescent lamp fittings etc as required.	Each	40			
3.	Supplying and fixing of PVC flexible pipes including all accessories etc. of the following sizes as required.	Each	15			
	I) 20 Sq mm	Metre	20			
4.	Supplying and fixing of standard call bell having ISI mark including all accessories etc. as required.	Each	20			
5.	Supplying and fixing of PVC Box of 50 x 50 Sq mm size with all accessories on surface for fixing of ceiling rose / angle holder etc as required.	Each	30			
6.	Rewinding of old unserviceable ceiling fan with changing of bearing and capacitor, including vertex paper, varnish and fitment etc as required.	Each	8			
7.	Supplying and fixing of following sizes of PVC board on surface i/c all accessories etc as required.					
	i. 100 mm X 100 mm size	Each	10			
	ii. 150mm X 200mm size	Each	30			
	iii. 200mm X 250mm size	Each	20			
	iv. 250mm X 300mm size	Each	10			
8.	Supplying and fixing of electronic type ceiling fan regulator of reputed make having ISI mark including all accessories etc as required to regulate the fan speed.	Each	10			
<b>Sub Total Non Schedule Items</b>						
<b>B/F Sub Total Schedule Items</b>						
<b>Total</b>						

**Rupees .....only**

**FORMAT –B (Annexure-IV)**

**Bill of Quantities ARM works (Electrical) Non Residential Buildings  
Part-I (Schedule Items)**

Sl. No.	Description of Items	Unit	Qty.	Rate in figure	Rate in words	Amount
01	Point Re-wiring: in PVC conduit wiring for light point/fan point/ Exhaust fan point/call bell point with 1.5 sq mm FR PVC insulated copper conductor single core and 1.5 sq mm FR PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required.					
	Group A	Point	100			
	Group B	Point	40			
02	Wiring in existing conduit: Supplying and drawing following sizes of FR PVC insulated copper conductor single core cable in the existing surface/recessed steel/PVC conduit as required	Point	05			
	2x 2.5sq mm	Mtr	50			
	2x 4.0sq mm	Mtr	60			
	2x 6.0sq mm	Mtr	50			
03	S/ F PVC Conduit: Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including cutting the wall and making good the same as the case of recessed conduit as required.					
	20 mm	Mtr	80			
04	S/F Piano Type Switch socket: Supplying and fixing of following piano type switch/socket on the existing switch box/cover i/c connections as required.					

	5/6 amps switch	Each	60			
	15/16 Amps Switch	Each	20			
	3 pin 5/6 amp socket outlet	Each	30			
	6 pin 15/16 amp socket outlet	Each	20			
05	S/F Ceiling rose: S/F 3 pin, 5 amp ceiling rose on the existing junction box/wooden block i/c connection etc. as required.	Each	30			
06	S/F brass holder : S/F Brass batten/angle holder i/c connection etc. as required.	Each	30			
07	ITC Florescent fitting Directly on surface: Installation, testing and commissioning of pre wired florescent fitting/compact florescent fitting of all types, complete with accessories and tube etc, directly on ceiling/wall i/c connection with 1.5sq mm FR PVC insulated copper conductor single core cable and earthing etc as required.	Each	6			
08	ITC Ceiling Fan: Installation, testing and commissioning of ceiling fan i/c wiring the down rods of standard length (up to 30cm) with 1.5sq mm FR PVC insulated copper conductor single core cable and earthing etc as required.	Each	15			
09	ITC Exhaust Fan up to 450 mm sweep: Installation of exhaust Fan up to 450mm sweep in the existing opening i/c making the hole to suit the size of the above fan, making good the damage, connection, testing, commissioning etc.	Each	5			

10	Power plug wiring in PVC conduit (2x4 sq mm): Wiring for light/power plug with 2 x 4sq mm FR PVC insulator copper conductor single core cable in surface/recessed PVC conduit along with 1no. 4sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	100			
11	Circuit/sub-main wiring in PVC conduit: Wiring for circuit/sub-main wiring along with earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.					
	2x2.5 sq mm + 1x 2.5sq mm earth wire	Mtr	100			
	2 x 4sq mm + 1x4sq mm earth wire	Mtr	80			
	2 x 6sq mm + 1 x 6sq mm earth wire	Mtr	80			
12	S/F SPMCB DB : S/f following way single pole and neutral, sheet steel MCB distribution Box 240 holes on surface /recess, complete with tinned copper busbar, neutral busbar, earth bar, Din bar detachable gland plate interconnection, Phosphatized and powder painted i/c earthing etc as required (but with out MCB/RCCB/Isolator)					
	4 way, single door	Each	4			
	8 way, single door	Each	6			
13	S/F 'B' Series, SPMCB: Supplying and fixing 5amps to 32 amps rating, 240volts 'B' Series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc, as required					
	Single pole	Each	30			
	Triple pole and neutral.	Each	2			

14	S/F 'C' Series, SPMCB: Supplying and fixing 5amps to 32 amps rating, 240volts 'C' Series, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc, as required					
	Single pole	Each	12			
15	S/F DP MCB isolator: Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc, as required					
	40 amps	Each	10			
	63 amps	Each	2			
16.	S/F TP MCB isolator: Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc, as required					
	63 amps	Each	2			
17.	Supplying and laying 8 SWG copper wire in ground: Supplying and laying 8 SWG copper wire at 0.50 meter below ground level for conductor earth electrode i/c soldering etc. as required	Mtr	40			
<b>Sub Total of Schedule Items</b>						

Rupees .....only

**Part II, (Non Schedule items), Non Residential Buildings**

Sl. No.	Description of Items	Unit	Qty.	Rate in figures	Rate in words	Amount
1.	Supplying and fixing of 1x40watt , electronic choke / ballast of reputed make having ISI standard suitable for 1x 40 watt fluorescent lamp fittings etc as required.	Each	20			
2.	Supplying and fixing of suitable capacitor to regulate the functioning of ceiling fan,	Each	30			
3.	Supplying of multi 3 pin table top stripe of 6 Amps ratings havind ISI standard of reputed make etc as required.	Each	5			
4.	Supplying and fixing of 1x40watt starter of reputed make having ISI standard suitable for 1x40 watt fluorescent lamp fittings etc as required.	Each	30			
5.	Supplying and fixing of PVC flexible pipes of the following sizes as required.					
	i) 20 Sq mm	Metre	20			
	ii) 25 Sq mm	Metre	10			
6.	Supplying and fixing of musical call bell of following types having ISI standard etc as required.					
	i) Cordless	Each	5			
	ii) Standard	Each	5			

7.	Supplying and fixing of PVC Box of 50 x 50 Sq mm size on surface for fixing of ceiling rose / angle holder / button holder etc as required.	Each	25			
8.	Rewinding of old unserviceable ceiling fan with changing of bearing and capacitor, including vertex paper, varnish and fitment etc as required .	Each	20			
9.	Supplying and fixing of 40/39 flexible wire for connection etc as required.	Mtr	50			
10.	Supply and fixing of 2 ways MCB Distribution Board, 240 Volts on surface etc. as required. (But without MCB / Isolator)	Each	3			
11.	Supplying and fixing of following sizes of PVC board on surface i/c all accessories etc as required.					
	i. 100 mm X 100 mm size	Each	4			
	ii. 150mm X 200mm size	Each	5			
	iii. 200mm X 250mm size	Each	4			
	iv. 250mm X 300mm size	Each	6			
12.	Supplying and fixing of electronic type ceiling fan regulator of reputed make having ISI mark with all accessories etc as required to regulate the fan speed.	Each	20			
<b>Sub Total Non Schedule Items</b>						
<b>B/F Sub Total, Schedule Items</b>						
<b>Total</b>						

**(Rupees ..... Only**