

BOQ

**BOQ FOR SUPPLY & INSTALLATION OF AC MAIN POWER PANEL WITH 200 KVAR APFC PANEL
IN A.C. PLAT ROOM, BASEMENT AT MUMBAI MAIN BRANCH , FORT, MUMBAI.**

Sr.No.	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	1900mm x 4500mm x 600mm CRC Sheet 14/16swg Fabrication TPN Distribution Board with 800A TPN Tinned Copper Busbar Chamber with R Y B Colour Code Heating Sleeving with Power, Control, Meter, Capacitor Auto & Manual Wiring & RAL 7032 7 Tank Structured Siemens Grey Powder Coating -1 Set.				
<i>i) Incomer</i>					
1	800A 415V TPN Copper Busbar -	- 1 Set.			
2	630A 415V TP+N MCCB	- 1 Nos.			
3	630A 415V TP+N Spreader Link	- 2 Set.			
4	630A MCCB Extended Rotary Handle	- 1 Nos.			
5	96x96 0/600V Digital Voltmeter	- 1 Set.			
6	96x96 630/5A Digital Ammeter	- 1 Set.			
7	22.5 mm RYB LED indicator lamp	- 3 Nos.			
8	600/5A Current Transformer	- 6 Nos.			
9	400/5A Curren Transformer (Capacitor Panel Incomer)	- 1 Nos.			
10	16A HRC Fitting with Fuse Link	- 3 Nos.			
11	20A HRC Fuse with Fitting	- 3 Nos.			
12	4A HRC Fuselink	- 3 Nos.			
<i>ii) Outgoing (100 TR. Chillers)</i>					
1	320A 415V TP+N MCCB	- 2 Nos.			
2	320A 415V TP+N Spreader Link	- 2 Set.			
3	320A 415V Rotary Handle	- 2 Nos.			
4	22.5mm RYB LED Indicator Lamp	- 10 Nos.			
5	20A HRC Fuse with Fitting	- 6 Nos.			
6	72x72 300/5 Digital Ammeter	- 2 Nos.			
7	300/5 Current Transformer	- 2 Nos.			
8	22.5mm Push Button with Element	- 4 Nos.			
9	MNX 140A 2NO+2NC Power Contactor	- 4 Nos.			
10	MNX 110A 2NO+2NC Power Contactor	- 2 Nos.			
11	MN 12 90-150A Relay	- 2 Nos.			
12	6A SP MCB 10ka	- 2 Nos.			
13	Star Delta Timer	- 2 Nos.			
14	30A Disconnecter Neutral links	- 2 Nos.			
15	Wire Connector Terminal	- 24 Nos.			
<i>iii) Outgoing</i>					
1	63A 415V TP+N MCCB	- 12 Nos.			
2	63A 415V TP+N Spreader Link	- 12 Nos.			
3	22.5mm RYB LED Indicator Lamps	- 12 Nos.			
4	72x72 50/5 Digital Ammeter	- 12 Nos.			
5	50/5 Current Transformer	- 36 Nos.			
6	22.5mm Push Button with Element	- 24 Nos.			
7	MNX 18A 2NO+2NC Power Contactor	- 24 Nos.			
8	MNX 12A 2NO+2NC Power Contactor	- 12 Nos.			
9	MN 2 9-15A Relay	- 12 Nos.			
10	6A SP MCB 10ka	- 12 Nos.			
11	Star Delta Timer	- 12 Nos.			
12	30A Disconnecter Neutral Links	- 12 Nos.			
13	Wire Connector Terminals	- 72 Nos.			
14	10A Toggle Switch ON/OFF	- 12 Nos.			
Part A					

B		200 KVAR APFC PANEL			
i) Incomer					
1	400A 415V TP+N MCCB	- 1 Nos.			
2	400A 415V TP+N Spreader link	- 1 Nos.			
3	400A MCCB Extended Rotary Handle	- 1 Nos.			
4	22.5mm RYB LED Indicator Lamps	- 3 Nos.			
5	20A HRC Fitting with Fuselink	- 3 Nos.			
6	144x144 12 stage APFCR	- 1 Nos.			
ii) Outgoing					
1	63A 415V 3P MCB	- 12 Nos.			
2	22.5mm Push Button with Element	- 24 Nos.			
3	22.5mm RYB LED Indicator Lamps	- 12 Nos.			
4	20A HRC Fitting with Fuse Links	- 8 Nos.			
5	ON Delay Time Switch	-1 Nos.			
6	30A Disconnecter Neutral	- 3 Nos.			
7	Control Control Contactor 4NO	- 3 Nos.			
8	MOC 25Kvar Capacitor Duty Contactor	- 12 Nos.			
9	Auto & Manual Rotary Switch	- 1 Nos.			
10	25Kvar Heavy Duty Capacitor Power Bank Epcos	- 4 Nos.			
11	15Kvar Heavy Duty Capacitor Power Bank Epcos	- 4 Nos.			
12	10Kvar Heavy Duty Capacitor Power Bank Epcos	- 4 Nos.			
Part B					
Total (A+B)					
C					
Labour charges for Installation, Transpotation And Disconnection & Dismantling of old existing panel.& Exsiting Cable Termination With Double Compres Brass Glands & Hevy Duty Copper Lugs as Follows :					
1) 3.5 Core 400 sq.mm. Al - 12 Nos.					
2) 4 Core 70 sq.mm. Al - 10 Nos.					
3) 4 Core 35 sq.mm. Al - 8 Nos.					
4) 4 Core 16 sq.mm. Al - 4 Nos.					
5) 4 Core 10 sq.mm. Al - 24 Nos.					
6) 6 Core 1.5 sq.mm. Cu - 6 Nos.					
Full as Above.					
			1	Set.	
Sub Total(A+B+C)					
3	Dismantling of Exsting Panel & Taken away - Buy back (Less)		1	Job.	
Total after Buyback					
Grand Total					

GST 18% extra