

Bill of Quantity

Project :- HPC Building.

Requirement :- Temporary Arrangement of 200 KVA HPC UPS

No.	Description	Unit	Qty.	Supply		Instal
				Rate	Amount In Rs.	Rate
1.0	Supply, installation, testing & commissioning of UPS with having 15 minutes Battery back up for HPC Rack system with 3PH INPUT & 3PH Combined and shared OUTPUT with sealed maintenance free lead acid maintained in battery racks complete with interconnections. Cu Battery cables, Battery Breakers. The rack shall be sturdy M.S. section fabricated with powder coating (Paint Shed - RAL 7032). The scope shall include terminals & busbar shrouding for Battery terminals					
1.1	Supply & Installation of 1No. X 200 KVA UPS for New HPC rack as per given specifications & details.	Nos.	2			
2.0	Supply & Installation of Batteries (with reverse polarity protection MCCB, battery cables etc) as per specifications complete suitable for following UPS sizes (Bidder should furnish the battery calculations for 15 minutes backup with cable boxes along with the BOQ)					
2.1	200 KVA UPS (15 minutes).	Set	2			
3.0	Supply and Installation of battery rack floor mounting as per specifications with necessary fabrication complete for following sizes.					
3.1	200 KVA.(15 minits)	Set	2			
4.0	Supply, laying, testing & commissioning of 1100V grade PVC insulated Cu. conductor cables (As Per IS 1554) in trays as per the SLD with necessary cable tie please refer UPS room layout for cable lengths.(Including terminations)					
4.2	1C x 185 Sq.mm. YY cable.	Rmt.	300			
5.0	Supply & installation of readymade hot dip galvanized ladder / perforated trays. Perforated tray shall be of 50 mm depths unless otherwise specified. Ladder trays shall have 50 mm 'C' shaped side channels and rungs at 200 mm cc. All installation shall be with pre-fabricated tray accessories only.					
5.1	300mm perforated tray (16 SWG).	Rmtr	40			

7.0	Supply & Installation of readymade hot deep galvanized tray cover's fabricated from 18 SWG CRCA sheets with readymade shapes. E.g. bend, Tee's, rightangles etc. to suit trays with RAL 7032 shade for all vertical runs					
7.1	300mm wide tray.	Rmtr	UR			
8.0	Supply & fabrication of M.S. angle supports for trays, frames etc. including necessary painting with 2 coats of primer and 2 coats of enamel black paint .	Kg.	250			
9.0	Supply, installation, testing & commissioning of 400 Amps TP MCCB with wall mounted panel fabricated with 2 MM CRCA sheet comprising all as per SLD and suitable for the termination of the given cables (Please refer SLD attached herewith) Inclosure prtectio IP 52	No	2			
10.0	Supply, installation, testing & commissioning of PDU unit comprising of 5 Nos 63A TP MCCB,10 Nos 16A TP MCB with Floor mounted panel fabricated with 2 MM CRCA sheet comprising all as per SLD and suitable for the termination of the given cables (Please refer SLD attached herewith) Inclosure prtectio IP 54	No	2			
	TOTAL AMOUNT					
	Packing and Forwarding Charges.					
	Excise Duty					
	VAT					
	Actroi					
	Service Tax					
	Effective Total					