

BILL OF QUANTITIES						
ELECTRICAL WORKS PART-III						
S.No.	BSR 2011	DESCRIPTION	QTY	UNIT	RATE Rs.	AMOUNT Rs.
<b>(I) PVC CONDUIT :</b>						
		<b>S/F PVC Conduit</b>				
1		Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
	BSR No. 1.21.2	25 mm	150	Mtrs	52	7800
					<b>TOTAL [I]</b>	<b>7800</b>
<b>(II) EARTHING SYSTEM</b>						
		<b>Salt/coke for plate earth electrode :</b>				
2		Extra for using salt and coke for G.I or copper plate earth electrode as required.	8	Set	3286.00	26288.00
		G.I earth plate electrode :				
3		Earthing with G.I earth plate 600mm x 600mm x 6mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with out charcoal or coke and salt) as required.	4	Set	2255.00	9020.00
	BSR No. 3.5					
		Copper earth plate electrode :				
4		Earthing with Copper earth plate 600mm x 600mm x 6mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with out charcoal or coke and salt) as required.	4	Set	5578	22312.00
	BSR No. 3.6					
		S/L 25 mm x 5 mm G.I earth strip in ground :				
5		Supplying and Laying of 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including soldering etc. as required.	80	Mtrs	52.00	4160.00
	BSR No. 3.11					

S.No.	BSR 2011	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
6	BSR No. 3.14	P/F 25mm x 5mm G.I earth strip in pipe : Providing and fixing of 25mm x 5mm G.I strip in 40mm dia G.I Pipe from earth electrode as required.	80	Mtrs	295.00	23600.00
7	BSR No. 3.13	P/F 25mm x 5mm copper earth strip in pipe : Providing and fixing of 25mm x 5mm copper strip in 40mm dia G.I Pipe from earth electrode as required.	80	Mtrs	846.00	67680.00
					<b>TOTAL [II]</b>	<b>153060.0</b>
<b>(III) UPS SYSTEM</b>						
8	N.S	Supply, installation, testing & commissioning of 1 No. 30 KVA / 24 KW UPS in stand alone configuration, UPS should be DSP(Digital Signal Processing), controlled true on line double conversion 3 phase input & 3 phase output UPS system with each UPS module having IGBT based Rectifier. THD(I) shall be less than 5% at 100% linear load. input power factor should be 0.99 across the load spectrum DSP (Digital Signal Processing) technology inverter fully digital direct control, sealed maintenance free batteries.(26AH X 32 Nos.) for UPS for total 10 minutes back up time. external 30KVA/24KW three phase output isolation transformer. also including Batteries, Batteries Rack, cable from UPS to Batteries, MCCB, Connectors and including all accessories.(85% Loading shall be considered.)	1	Nos.	541650	541650
					<b>TOTAL [III]</b>	<b>541650</b>
<b>(IV) FIRE ALARM AND DETECTION SYSTEM</b>						
<b>Supplying, installation testing and commissioning of Conventional Type Fire Detection and Alarm System</b>						
9	N.S	Supplying, installation testing and commissioning of Conventional, Microprocessor Fire alarm and Detection Control Panel-1 Zone.	1	Nos.	14501	14501
10	N.S	Supply, Installation, Testing and Commissioning of Manual Call Point.	1	Nos.	870	870
11	N.S	Supply, Installation, Testing and Commissioning of Hooter.	1	Nos.	1160	1160
12	N.S	Supply, Installation, Testing and Commissioning of End Resistance Box.	1	Nos.	181	181

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13	N.S	Supply, Installation, Testing and Commissioning of Smoke Detector.	8	Nos.	943	7544
14	N.S	Supplying, and Laying of 2 core 1.5 sqmm flexible sheathed circular cable with electrolytic grade annealed bare copper conductor 1100 V grade.	150	Nos.	54	8100
					<b>TOTAL [IV]</b>	<b>32356</b>
		<b>TOTAL COST OF BSR ITEMS</b>				<b>160860.0</b>
		<b>TOTAL COST OF NON-BSR ITEMS</b>				<b>574006</b>