

DEPARTMENT OF ELECTRICITY (SUPPLY SERVICE SECTION), A.M.U., ALIGARH

**BILL OF QUANTITY FOR INSTALLATION AND DISTRIBUTION OF SUPPLY FOR THREE PHASE 40 KVA
SILENT D.G. SET IN BEGUM SULTAN JAHAN HALL A.M.U. ALIGARH**

*R.No. 1024/CC
29/03/17*

ESTIMAT COST

Rs. 1,60,000.00

DATE OF CLOSING / OPENING

30.03.2017 AT 10:00 AM

S. No.	DISCRIPTION	QTY.	UNIT	ESTIMATED COST	
				RATE	AMOUNT
1	Supplying of 3.5 core 35 Sq mm PVC Insulated PVC Sheathed Aluminium Conductor Havy duty armoured Cable 1.1 KV grade complete in all respects as required (Havells / Grandley make)	70	Mtrs.		
2	Supplying of 4 core 16 Sq mm PVC Insulated PVC Sheathed Aluminium Conductor Havy duty unarmoured Cable 1.1 KV grade complete in all respects as required (Havells / Grandley make)	125	Mtrs.		
3	Supplying of 4 core 10 Sq mm PVC Insulated PVC Sheathed Aluminium Conductor Havy duty unarmoured Cable 1.1 KV grade complete in all respects as required (Havells / Grandley make)	300	Mtrs.		
4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. (a) Upto 35 sq. mm	95	Mtrs.		
5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. (a) Upto 35 sq. mm	30			
6	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of the following size on the wall surface as required. (a) Upto 35 sq mm (clamped with 1mm thick saddle)	370	Mtrs.		
7	Providing and fixing ,testing and commisioning of four pole 63Amp , 25 KA , 415Volts MCCB on angle frame including drilling holes in frame , making connections etc as required (Havells , L&T , Legrand make) .	2			
8	Providing and Fixing 63A , 4 Pole . 415 Volts on load Changeover switch on the suitable size of Angle Iron frame (50mm X 50mm)including drilling holes in panel making connection etc as required make seimens,legrand,havells & L&T	4	Nos.		
9	Supplying , fixing , testing and commisioning of four pole 100 Amp 415 Volts wall mounted busbar chamber. (Havells , L&T , Legrand make)	1	Nos.		
10	Supplying and fixing (crimping) Aluminium lugs for PVC Insulated and PVC Sheathed / XLPE Power Aluminium Conductor cable of 1.1 KV grade of following size as required.				
(a)	3.5 core 35 Sq mm cable (Make Action /Dowells).	9	Set.		
(b)	4 core 16 Sq mm cable (Make Action /Dowells).	4	Set.		
(c)	4 core 10 Sq mm cable (Make Action /Dowells).	8	Set.		
11	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	4	Set.		
12	Providing and laying earth connection FRLSom earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I.pipe FRLSom earth electrode including connection with copper thimble excavation and re-filling as required.	20	Mtrs.		
13	Providing and fixing 4.00 mm dia copper wire on surface or inrecess for loop earthing as required.	40	Mtrs.		
14	Construction of plateform (3400mm X 1750mm X 450mm) for 40KVA generator set etc as required.	1	Nos.		
15	Installation,testing & commissioning of 40KVA generator Set including cartage loading /unloading of generator Set, Connection etc as required.	1	Job		
				TOTAL	

**Assistant Electrical Engineer
D/o Electricity (Supply)**

[Signature]
29/03/2017