

PONDICHERRY UNIVERSITY
ELECTRICAL WING

Schedule of Work

Name of Work: Shifting, Installation, Testing and Commissioning of 250KVA DG Set from Substation IV to Department of Electronic Media & Mass Communication at Silver Jubilee Campus in Pondicherry University.

Item No.	Description of Item	Qty.	Unit	Rate	Amount
1.	<p>Providing foundation for 250KVA Genset for reinstalling in the new location as per details given below.</p> <p>Foundation: Excavation, providing brick work (in width 225 mm) in cement mortar 1:4 of size 6mtr length x 3mtr breath x 0.6mtr height and refill with sand of 300mm height and providing 100mm PCC (1 cement:3coarse sand :6graded stone aggregate 40mm normal size) and than a PCC foundation (1:2:4, M-20 grade) of approximate depth of 300mm is required so as to provide leveled surface for placement of the acoustic enclosure. About the 300 mm foundation height should be above ground level. Cement plasting, painting around the brick work and refilling around the foundation as required. The length and breadth of foundation should be 6m x 3m.</p>	1 job			
2.	<p>Shifting, Installing, Testing and Commissioning of 'Silent Type' Diesel Generating set of 250KVA from Substation IV to Department of Electronic Media & Mass Communication at Silver Jubilee campus.</p> <p>Shifting: Dismantling the connection and lifting of Enclosure type 250KVA DG set by means of Crane and transport with suitable load carrier for a distance of 3Km and unloading in the foundation provided in the new location without any damage as required.</p>	1job.			
3.	<p>Dismantling, shifting and erection of change over panel of size 1.8mtr length x 1.3mtr height and 750ltr diesel tank from Substation IV to Department of Electronic Media & Mass Communication at Silver Jubilee campus power room in existing cable trench with suitable U angle supporting as required.</p>	1job.			

4.	Dismantling of existing M.S diesel pipe line (Heavy SWG) between generator and diesel tank and erection in new location without any leak as required.	50mtr			
5.	Supplying and fixing of M.S diesel pipe line (Heavy SWG).	20mtr			
6.	Supplying and fixing of 400A TPN/415/50HZ switch Disconnected fuse unit with Din type fuse in the existing AMF panel board. Make: GE. & L&T model. FGC 400.	2nos.			
7.	Supplying and fixing 12V SMF battery. Model:FGPO-GP110D31R. Make: EXIDE GENPLUS.	2nos.			
8.	Dismantling of existing Genset shed of size 6.5mtr length x 3mtr breadth without any damage and reinstall in the new location where the Genset to be installed.	1job.			
9.	Supply of 10 core Sensing cable of 2.5sq.mm multi strand copper armored cable including providing necessary gland and end termination.	35mtr			
10.	Laying of one number PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade of following size direct in ground including excavation, river sand cushioning, protective covering and refilling the trench etc as required. (Manual excavation.) Above 185sqmm and upto 400sq.mm	75mtr			
11.	Supplying and making end termination with double compression brass gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor UG cable of 1.1KV grade as required. a) 3.5 X 400sq.mm	4 Nos.			
12.	Earthing with copper earth plate 600mm x 600mm x 3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc., without coke or charcoal and salt complete as required.	2 set			
13.	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 2.7m long etc., without coke or charcoal and salt complete as required.	2set			

14.	Providing & Fixing 25mm x 6mm Copper strip in 40mm size medium class G.I. Pipe from earth electrode including connection with brass nut, bolt, spring washer excavation and refilling etc. as required.	15 mtr			
15.	Providing & Fixing 25mm x 6 mm Copper strips on surface or in recess including connection with brass nut, bolt, spring washer etc., as required.	15mtr			
16.	Providing & Fixing 25mm x 6mm G.I strip in 40mm dia size medium class G.I. Pipe from earth electrode including connection with brass nut, bolt, spring washer excavation and refilling as reqd.	15mtr			
17.	Providing & Fixing 25mm x 6 mm G.I strips on surface or in recess including connection with brass nut, bolt, spring washer etc., as required.	25mtr			
Total					

Terms & Conditions:

1. The work shall be carried out strictly in accordance with CPWD General Specifications for the Electrical works as amended up to date.
2. Prior approval of the Engineer in charge is required for all the materials to be used on works. Non- standard quality materials shall not be acceptable.
3. Bad workmanship shall not be accepted. Such work is liable for rejection and shall be rectified by the contractor at his own risk and cost.
4. Your quotation shall be accompanied with tender document Rs.520/- and EMD for an amount of Rs.4,300/- in the form of a DD drawn infavour of "Finance officer, Pondicherry University" payable at Pondicherry.
5. Payment will be arranged after satisfactory completion of the work.
6. Amount will be arrived on the actual works done basis.
7. The work should be carried out immediately on receipts of this work order.
8. The rate for each item of work to be quoted in the enclosed schedule of work format only otherwise, the quotation in any other format is considered as invalid quotation.
9. The work should be completed within two months from the date of issue of the work order.

Name and signature of the Firm/Agency
/Contractor with Seal.

ASSISTANT ENGINEER(E)