



**ESTATE MAINTENANCE DEPARTMENT / ELECTRICAL
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-15,
TAMIL NADU, GOVT OF INDIA (Deemed University)**

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TENDER NOTIFICATION

Ref No: NITT/COW/EMD/EE (E)/AE (P&D)/Enq.No:09/15-16.

Date:06.06.2015

The Chief of works, Estate Maintenance Department, NIT, Trichirappalli- 620 015 invites on behalf of The Director, NIT, Trichirappalli-620 015. Sealed item rate tenders from the approved and eligible contractors of NITT/CPWD and those in the appropriate list of Tamilnadu state PWD, Railways, MES and BSNL for the following work. Sealed tenders will be received by the **Registrar, National Institute of Technology** at his Office at National Institute of technology, Tiruchirappalli-15 up to **3.00 p.m on 26.06.2015.**

Details

Enq No	Name of works & Location	Period of Completion from the dt of receiving WO in days	Estimate cost put to tender (Rs)	Earnest Money (Rs)	Tender cost (Rs)	Last date and time of submission of Tender	Time and date of opening of Tender
9	Shifting of 250KVA Genset from Main power House and erection to Quarter power House.	60	698800	13976	525	At 3.00 PM on 26.06.2015	At 3.30 PM on 26.06.2015

The tender should accompany, Earnest Money Deposit and Tender cost as detailed above through two different Demand Drafts payable at Tiruchirappalli, Drawn in favor of **The Director, National Institute of Technology, Trichy-15**. This earnest money will be refunded to the unsuccessful tenderer or rejection of the tender or at the expiry of two months from date of tender, whichever is earlier. The earnest money will be retained in the case of the successful tenderer and will not carry any interest. Tender must be submitted in sealed covers and should be addressed to The Director, National Institute of Technology, Trichirappalli-15 and the name of the tenderer, name of the work and Ref .No. being noted on the cover. **The rates should be quoted inclusive of all taxes and duties. Submission of tender without EMD is liable to be rejected.**

**-Sd-
Chief of Works**

SCHEDULE OF WORK

State Tamilnadu

Branch Electrical

Name of Work : Shifting of 250KVA Genset from Main power House and erection to Quarter power House.

Division EMD

Sub-Division EMC

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	E A R T H I N G					
1.1	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4.00	Set			
1.2	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	40.00	Metre			
1.3	Supplying and fixing cosmos earthig electrode systems.					
	Sub-Total					
2	MV CABLE LAYING					
2.1	Supply and laying of following size Double walled Corrugated High Density Polyethylene pipe having corrugation on the outer wall and plain surface inner wall conforming to IS 14930 part- I and part -II complete with necessary HDPE fitting for protection of 1.1 KV grade under ground cable directly in ground at a depth 75cm including excavation and refilling the trench etc as required.					
2.1.1	77mm/63mm (Outer Nominal Dia / Inner Nominal Dia)	60.00	mtrs			
	Sub-Total					
3	MV CABLE JOINTING & END TERMINATION					
3.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
3.1.1	3½ X 240 sq. mm (62mm)	8.00	Each			
	Sub-Total					
4	CIVIL ITEMS					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
4.1	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.1 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	25.03	cum			
4.2	Sand Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 0.1m in depth, consolidating each deposited layer by ramming and watering, lead up to 50 metres.	2.27	cum			
4.3	Plain Cement Concrete in ratio of 1:5:10 etc. as required.	2.27	cum			
4.4	Plain Cement Concrete in ratio of 1:2:4 etc. as required.	15.13	cum			
4.5	Centring works	17.60	cum			
	Sub-Total					
5	SUB-STATION EQUIPMENT'S AND ERECTION WORKS					
5.1	Dismantling and Erection of DG sets.					
5.1.1	Removing of 250kVA DG sets from the working place and shifted to the opal hostel near power house and also assemble DG panel board & give connection DG set to panel board	1.00	each			
5.2	Testing and Commisining					
5.3	Erection of Control panels.					
	Sub-Total					
6	CUBICLE BOARDS (MARKET ITEM)					
6.1	Panel Boards shifting/dismantling					
6.1.1	Labour charges for removing capacitor panel.	1.00	each			
	Sub-Total					
7	SUPPLY (MARKET ITEM)					
7.1	Supply of Deisel spares for Kirloskar 250kVA DG sets.					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
7.1.1	Valve seat insert(inlet)-6nos, Valve seat insert(Exhaust)-6nos, Valve guide-12nos, Sealing cap-2nos, Stud-M10X1.5X45-8.8-1no Inlet Valve and Exhaust valve PR.(250kVA)-6nos, Washer-2nos, Washer-2nos, Valve seal-2nos, Valve spring(Inner)-12nos, Valve spring(Outer)-12nos, Valve spring cup-12nos, Valve collet (Pair) -12nos, Liner-6nos, Ring -6set, Head Gasket complete 1set, Cooland Oil radiator -5liter, Radiator hose set with clips-1set, Connecting rod bolt-12nos, Turbo charger repairing kit-1no, Fan belt-2nos, Nozzle-6nos, Diesel pump service spare kit-1no, Air filter inner & Outer -1set, Diesel filter-2nos, Diesel line flexible hose-4nos	1.00	each			
7.2	Services charges for Kirloskar 250kVA DG sets.					
7.2.1	Complete stand by overhauling ,commisioning and load testing-1no, Cylinder head complete dismantling ,cleaning, inside old damaged parts removed and crack checking, again removing all parts replacing new parts ,valve and valve seat lapping then valve leakage testing and re assembling & reconnecting charges-6nos, Nozzle calibration service charges-6nos, Diesel pump calibration charges-6nos, Turbo charger assembly dismantling, cleaning and damaged inner parts removing and new parts removing service charges including lathe works-1no	1.00	each			
	Sub-Total					
8	Supplying of Cables (MARKET ITEM)					
8.1	Supplying of following size ISI marked PVC insulated and PVC sheathed aluminium grade with armoured as required. (Make:Finolex, Gloster and Polycab)					
8.1.1	3½ X 240 Sq mm	90.00	Metre			
8.2	Supplying of following size ISI marked PVC insulated and PVC sheathed armoured copper conductor cable of 1.1 KV grade as required. (Make:Finolex, Gloster and Polycab)					
8.2.1	7x2.5sq mm	20.00	Metre			
8.2.2	10x2.5sq mm	20.00	Metre			
	Sub-Total					
9	MCCB, MCB & DB'S DSR 2012					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.(Make:Legrand/Siemens)					
9.1.1	4 Pole MCCB 400A , 36KA DPX Thermal & Microprocessor Release	1.00	each			
	Sub-Total					
	Total					

AE(P&D)