



TENDER NOTIFICATION

Ref No: NITT/COW/EMD/EE (E)/AE (P&D)/Enq.No:18&19/15-16.

Date:01.07.2015

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 31.07.2015.**

Details

Enq No	Name of works & Location	Period of completion 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
18	Providing New MV panel-Ito 500kVA Genset-I for load management system in Main power house.	90	696843	13937	525	At 3.00 PM on 31.07.2015	At 3.30 PM on 31.07.2015
19	Providing LED street lights to newly formed QIP quarters and Vinayagar temple compound	90	499933	9999	525	At 3.00 PM on 31.07.2015	At 3.30 PM on 31.07.2015

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.**

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Chief of Works

SCHEDULE OF WORK

State **Tamilnadu**
Branch **Electrical**

Division **EMD**
Sub-Division **EMC**

Name of Work : Providing New MV panel-I to 500kVA Genset-I for load management system in Main power house.

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	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	60.00	Metre			
1.2	Supplying and fixing cosmos earthig electrode					
1.2.1	COSMOS ROMA 40mm DIA 2 Mtrs LENGTH WITH MOISTURE ENHANCER 25 Kg.	2.00	each			
	Sub-Total					
2	CUBICLE BOARDS (MARKET ITEM)					
2.1	Manufacturing, Supplying, installation, testing and commissioning of Indoor cubicle flush type floor mounted compartmentalized main power cum control panel made out of not less than 2.2 mm thick MS sheet connection inter-connection etc. as per CPWD specifications (Part IV & V).Providing and fixing following switch gears with cable entry boxes for both incoming and outgoing cables termination, glands, interconnection, connections powder coated painting, earthings ,replacement of old panels by new panels, and including of all erection, Labelling of incoming and outgoing feeders, cable trench formation works, removing termination in old panel & transport charges etc., as required. The panel drawing should be submitted before execution of the works. (Make: L&T/Legrand)					

ITEM No.	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
2.1.1	Essential supply Panel size 2100 mm x2950 mm x (1000mm for ACB/450mm for MCCB) mm deep (Nominal)a) 4 strip copper bus bars suitable for 1000 A capacity ,b) Incomer 1000A U POWER OMEGA ACB 50kA EDO 4P WITH MICROPROCESSOR BASED 3.5MTX RELEASE WITH UV RELEASE AND OPERATION COUNDER UW110NFD12300-1No.with ON,OFF,Trip indications. c) Outgoing MCCB 400A,4P,36KA(CM930030000X1)MP based four pole with panel mounting type - 2Nos,d)outgoing MCCB 200A,4P,36KA(CM921090ON1OG)thermal magnetic four pole with panel mounting type-4Nos,e)400A MCCB Dummy compartment-4nos f)Intelligent panel meter flush mount 96X96 mm 3ph 4w IBM 240V (L-N)5A Class-0.5 FM with RS 485 - Quasar-1No,g)3ph Voltmeter class 1 (WDS301FEV00)-1No,h)3ph Ammeter class 1 (WDS301FCA00)-1No,i) CT'S-3Nos,j) 5A Back lite fuses-3Nos,k)R,Y,B indicators)Toggle switch-3Nos.M)Trench formation,erection of new panel,termination,transport charges etc. as required.	1.00	each			
	Sub-Total					
	Total					

/500kVA Genset panel-1

SCHEDULE OF WORK

State **Tamilnadu**

Branch **Electrical**

Division **EMD**

Sub-Division **EMC**

Name of Work : **Providing LED street lights to newly formed QIP quarters and Vinayagar temple compound**

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	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.	400.00	Metre			
	Sub-Total					
2	MV CABLE LAYING					
2.1	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.					
2.1.1	Supplying and making LT cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 30 cm with a thickness of 8cm including inscription duly engraved as required.	10.00	each			
2.2	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					
2.2.1	40mm/32mm (Outer Nominal Dia / Inner Nominal Dia)	315.00	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	2 X 16 sq. mm (22mm)	24.00	Each			
	Sub-Total					

ITEM No.	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
4	CIVIL ITEMS					
4.1	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required					
4.1.1	80 mm dia	10.00	metre			
	Sub-Total					
5	SUPPLY OF POLES					
5.1	Manufacturing, supplying & erection of street light pole made of 80 mm dia C class GI pipe 6 mtr long welded 300mmx 300mmx 10mm thick base plate at bottom and provided with earth stud, Providing 50 mm dia HDPE Pipe/bend for cable entry (to SMC Box) and Wire entry (from SMC Box to Street light pole), painting with one coat of Anti-corrosive Primer and two or more coats of automobile grade metallic paint of approved brand and shade, providing cement concrete foundation (1:3:6) pedestal of size 450 mm x 450mm x 1500 mm , with suitable layer of base concrete below the CC foundation pedestal , Providing 4 Nos 20 mm dia,1500mm long foundation bolt with double nut at top, making hole in the base plate etc as reqd.					
5.1.1	6.00 Mtrs G.I pole	11.00	each			
5.2	Supply of wall brackets.					
5.2.1	Manufacturing, Supply and Installation of Ornamental type MS street light bracket made of approved type and design with 500 mm overhanging from street light pole painting & not less than 9 Kg with one coat of Anti-corrosive Primer and two or more coats of automobile grade metallic paint of approved brand and shade, etc as reqd.	11.00	each			
	Sub-Total					
6	Supplying of Cables (MARKET ITEM)					
6.1	Supplying of following size ISI marked PVC insulated and PVC sheathed aluminium grade with armoured as required.(Make:Finolex,Gloster and Polycab)					
6.1.1	2x16sq mm	315.00	metre			

ITEM No.	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
6.2	Supplying and fixing of following size ISI marked PVC insulated and PVC unsheathed copper single core and multi-core sheathed bright annealed bare copper flexible cables for voltage grade 1.1 KV grade as required.(Make:Finolex,Gloster and Polycab)					
6.2.1	3x1.5 sqmm	110.00	metre			
	Sub-Total					
7	Supply of Light Fixtures with Lamps (MARKET ITEM)					
7.1	Supplying and fixing street light luminaire with die cast aluminum housing and toughened glass cover with min IP65 protection , with the LED Type fixtures of following Wattage complete with all accessories and drivers, LN6 heat sink minimum 5kVA surge protection low power LEDs with driving current less than 350mA etc. on existing brackets on street light poles including connection & loop earthing with 3 core 1.5 sqmm flexible PVC insulated PVC round sheathed copper conductor cable from street light box to fitting, testing and commissioning etc. as required. (with 5 years manufacturer's warranty) (Make: Bajaj,Crompton Greaves, & philips etc)					
7.1.1	LED 40W ST white colour lamp.	11.00	each			
	Sub-Total					
8	Adaptor box (MARKET ITEM)					
8.1	Cable adaptor box (MARKET ITEM)					
8.1.1	Supplying and fixing of SMC cable looping box of size not less than 250mm x 200mm x 100mm deep alongwith 4 way SMC terminal block and 2 Nos 6A SP MCB etc.,as required.	11.00	each			
	Sub-Total					
	Total					

/St.light-opal to TS