

Malaviya National Institute of Technology Jaipur

TENDER NOTICE

Tender Notice No.23/2011

Sealed Tenders are invited from contractors for following works-

Name of Work :- Electric wiring in workshop of Metallurgical Deptt.

Approximate Cost :- Rs. 3.18 Lac

Tender Cost :- Nil

Completion Period :- 02 Months

Tender document can be down loaded from Institute web site www.mnit.ac.in. Detailed terms & conditions are given in the Tender document. MNIT reserve the right to club or divide work and or accept or reject the Tender. Sealed Tenders should be dropped in sealed box in the office of the Executive Engineer before 2.00 PM on 12.12.2011 along with Earnest money amounting Rs. 6,360/- (2% of Approximate Cost) in form of D.D., in favor of Registrar, MNIT Jaipur and copy of the certificates. Date and timings of opening of the Tender is 12.12.2011 at 3.30 PM. Tenders would be opened in the office of Executive Engineers, MNIT Jaipur.

Executive Engineer

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

SCHEDULE AND SPECIFICATIONS

1	Name of Work	Electric wiring in workshop of Metallurgical Deptt	
2	Cost of Tender Document	NIL	
3	Earnest Money	Rs. 6,360/-	
4	Date & Time of receiving tenders Time up to	2.00 P.M.	Date: 12.12.2011
5	Date & Time of Opening tenders	3.30 P.M.	Date: 12.12.2011

EXECUTIVE ENGINEER

ESTATE DEPARTMENT

Terms and Conditions of contract

1. The tenderer shall have to clearly mention in bold letters the name of the work on the top of the sealed envelope containing tender document. The tender should preferably be submitted in the printed envelope of the tenderer otherwise he shall have to print his rubber seal stamp on the envelope. The tender document shall be submitted by the tenderer along with his printed covering letter of the firm.
2. The attested copies of the following documents must be submitted by the tenderer along with his tender document:
 - (A) Sales Tax clearance certificate upto 2010 with TIN number
 - (B) Income Tax return for last three years 2007-08, 2008-09 and 2009-10
 - (C) Firm should be preferably registered in CPWD / PWD / MES / RAILWAYS / SEMI - GOVERNMENT /PHED/ORGANIZATIONS. Valid registration certificate should be attached.
 - (D) Permanent Account Number of the Firm.
 - (E) List of major works of similar nature having completed satisfactorily during last three years with supporting documents.
3. Earnest money **Rs. 6,360/-**, in the form of D.D. in favour of Registrar, MNIT, Jaipur should be enclosed with tender submitted to the institute. Tenders submitted without earnest money shall not be entertained.
4. Sealed tenders shall have to be dropped in the locked tender box placed in the office of the Executive Engineer MNIT up to **2.00 PM on 12.12.2011**. Tenders received after the above date and time shall not be entertained.
5. Sealed tenders shall be opened in the office of Executive Engineer at **3.30 PM on 12.12.2011** in the presence of the contractors or their authorized representatives, those who remain present at that time.
6. Conditional tenders shall not be considered.
7. The tenderers are advised to first inspect the site of work and fully understand very carefully about the conditions of site so as to give superior quality work to institute before submitting tender & include all lead lift etc. for the materials / labour in his percentage to be quoted on the rates as given in the Schedule 'G' / the rates to be offered by him for the Non – DSR items. The work shall have to be carried out in accordance with the C.P.W.D. detailed specifications & measurements laid down thereon to the entire satisfaction of Engineer In-Charge of the work.
8. The work shall have to be started within seven days from the date of issue of work order. In case, if the work is not started within above period, the earnest money shall be forfeited.
9. If the pro-rata progress of the work is not found satisfactory, the work shall be got done from another agency / contractor at the risk & cost of the contractor.
10. The work shall have to be completed within the period as specified in the NIT.
11. The sample of the materials to be used by the contractor shall be deposited in advance with Engineer In-Charge & be got approved by him before use.
12. The Contractor shall adopt all safety measures, which are essential for the execution of the work. The Institute shall not be responsible for any mis-happening if occurred while executing the work; this may please be noted very carefully. The contractor is advised to have the insurance of his staff / workers against any mis-happening while attending the work at his own level.
13. The contractor or his authorized person shall submit weekly progress report of the work executed by him to the Engineer In-Charge of the work.

14. The MNIT reserves all rights to club or divide works and / or accept or reject any or all the tenders without assigning any reason.
15. The quantities of the items mentioned in the G- Schedule can be increased or decreased depending on the prevailing site conditions.
16. The running payments would not be made. Payment would be made after satisfactory completion of the entire work.
17. If the contractor fails to complete the work in the specified period, the compensation for the delay in the work shall be recovered as follows on pro-rata basis at each stage of the work expected to be completed keeping in view the time allowed to complete the work i.e., half work should be completed in half time like wise :

(1) Delay up to one week	1%
(2) Delay exceeding one week and up to two weeks	2%
(3) Delay exceeding two weeks and up to one month	5%
(4) Delay exceeding one month	5% for every delay of 15 days

But the penalty must not exceed to 10% of tendered value of the work (CPWD clause -2)

18. In Case the contractor is unable to complete the work due to unavoidable circumstances / justified reasons, he should apply to the Director well in time for extension of time with the request to waive the liquidated damage/ penalty charges which is at the discretion of the Director, MNIT, Jaipur.
19. The Firm should submit a bank guarantee of rupees equal to 10% of the total bill. If not submitted, the security deposit @ 10 % of total bill amount raised at different stages shall be deducted & will be released after 6 months from the date of actual completion of the total work allocated, only if the work is found satisfactory. If any deficiency is found with in the above period the same shall be made good by the contractor to the satisfaction of the Institute.
20. The Water & Electricity consumption charges for the work will be recovered @ 1% each of the billed amount from the contractor's bill, if it is supplied by the institute.
21. All taxes which are applicable will be bear by the contractor.
22. Security deposit of the work shall not be refunded till the contractor produces a clearance certificate from Labour officer.

Dean (P & D)

I / We have read the above mentioned Terms and conditions at S.No. 1 to 22 very carefully and hereby agree to execute the work on the percentage/rates offered by I/we in enclosed G-schedule and on the above terms & conditions in addition to the conditions of contract laid down by the CPWD.

Signature of the Contractor-----

Name of the Contractor -----

Address -----

Phone / Mobile No. -----

Seal of the Contractor

Malaviya National Institute of Technology Jaipur

Estate Section

G-Schedule

Sub: Electric wiring in workshop of Metallurgical Deptt.

Estimated cost Rs. 3.18 Lakhs

S.No.	BSR Code	Particulars	Unit	Qty	Rate in Rs	Amount in Rs
1	E020100	Wiring for light Point/fan point/exhaust fan point/call bell point with 1.5 Sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed Heavy Duty PVC conduit, with modular switch, modular plate, suitable size GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc as required. (Long Point up to 10 mtrs)				
1.1	E020103	(a) Group-1	Point	42.00		
2	E040100	Wiring for submain wiring/circuit wiring along with earth wire with the following sizes of FR PVC insulated flexible copper conductor, in surface / recessed conduits as required.				
2.1	E040103	2 x 1.5 Sq. mm + 1 x 1.5 Sq. mm earth wire.	Mtrs.	50.00		
2.2	E040117	2 x 4 Sq. mm + 1 x 2.5 Sq. mm earth wire.	Mtrs.	150.00		
2.3	E040122	2 x 6 Sq. mm + 1 x 4 Sq. mm earth wire.	Mtrs.	200.00		
3	E020400	Supply & fixing wherever medium Duty PVC conduits for surface/recessed mounted conduiting for submain wiring in electrical shaft inclusive of repair of chase to original finish and of following sizes :				
3.1	E020402	25 mm dia	Mtrs.	130.00		
4	E073300	P & F following size hot dip galvanized M.S. box with earthing terminal in recess/ surface suitable for modular accessories as required.				
4.1	E073302	3 Module	Each	20.00		
5	E073200	P & F following size mounting grid plates with cover plates				
5.1	E073202	3 Module	Each	20.00		
6	E073100	P & F following modular accessories made out of unbreakable and fire retardant poly carbonate with silver contacts including making connections testing etc. as required				

S.No.	BSR Code	Particulars	Unit	Qty	Rate in Rs	Amount in Rs
6.1	E073101	6 A one way switch	Each	10.00		
6.2	E073104	16 A one way switch	Each	10.00		
6.3	E073105	6 A 3 pin shuttered socket	Each	10.00		
6.4	E073106	16 A 6 pin shuttered socket	Each	10.00		
7	E110100	P/Laying P.V.C. insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I of Group2 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, 11nd class bricks covering, refilling earth, compaction of earth, making necessary connection with lugs, testing etc. as required of size. Group-1				
7.1	E110105C	16.0 Sq.mm 4 core Armoured	Mtr.	50.00		
7.2	E110107D	35.0 Sq.mm 3.5 core Armoured	Mtr.	70.00		
7.3	E110109D	70.0 Sq.mm 3.5 core Armoured	Mtr.	100.00		
8	E060500	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phosphatised/ powder painted complete with 100 A copper bus bar, shorting link , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required.				
8.1	E060542	Double Door (Three Phase) 6 Way	Each	4.00		
9	E060200	P&F 240/415 V isolator conforming to IS:13947-III/ IEC 60947-3 on existing board / sheet including making connections with lugs , testing etc. as required.				
9.1	E060230	Four pole Isolator				
	E060232	63 A rating	Each	4.00		
10	E060100	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required.(Make Legrand(Lexic), Merlin Gerin(Multi 9), Hager, Siemens, Moeller(HPL), GE(G2000))				
10.1	E060141	TP MCB 6 A to 32 A rating	Each	28.00		

S.No.	BSR Code	Particulars	Unit	Qty	Rate in Rs	Amount in Rs
10.2	E060112	Single pole MCB 6 A to 32 A rating	Each	52.00		
11	E150900	Gel Earthing with copper Electrode of size 50mm x 2m by embodying 2.5 mtr. below the ground level with 20 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer, nipple ,wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete with filling of Ash gel compound (Dharkan or equivalent approved make), testing of earth resistance as required.	Each	2.00		
12	E150500	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.				
12.1	E150505	8 SWG G.I. Wire	Mtr.	80.00		
13	E080100	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly painted by either two coats of zinc/ red oxide primer followed by two coats of synthetic enamel paint or powder coating in grey or required shade after rinsing . The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with detachable extension type structure. (only outer area on all sides shall be measured)				
13.1	E080101	Powder coated / epoxy / PU painted with phosphatisation	SQ.Mtr.	18.00		
14	E080200	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves.				
14.1	E080201	Electrolytic grade aluminium bus bar	Kg	12.00		
15	E080300	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.				
15.1	E080320	Digital type	Each	1.00		

S.No.	BSR Code	Particulars	Unit	Qty	Rate in Rs	Amount in Rs
16	E080400	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.				
16.1	E080420	Digital type	Each	1.00		
17	E080500	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required .				
17.1	E080502	from 200 / 5 to 400/5 Ratio , 10 VA , class 1 accuracy	Each	1.00		
18	E080600	SF of selector switch for voltmeter (4 position) including making connection etc. as required .	Each	1.00		
19	E080700	SF of CT linked selector switch of 10 A for Ampere meter (4 position) including making connection etc. as required	Each	1.00		
20	E080800	SF of 240/220 V, LED (22.5 mm dia) Pilot lamp with integral circuit, terminal block, including connection etc. as required.				
20.1	E080801	Red/yellow/Green colour	Each	3.00		
21	E090500	SITC of quick make and quick break 3 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 13947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip , earth fault trip, push (test) to trip, including making connections with lugs / spreaders etc. as required				
21.1	E090512	up to 100 Amp , 16/25 kA, adjustable O/L & fixed S/C setting	Each	5.00		
21.2	E090517	250 Amp , 35/50 kA, adjustable O/L & adjustable S/C setting	Each	1.00		
22	E060700	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in sheet steel enclosure (without MCB) including making connections with lugs, testing etc.as required				
22.1	E060710	Single phase (Three pin)				
	E060712	20 A	Each	16.00		
22.1	E060720	Three phase (Five pin)				
	E060722	32A	Each	16.00		
23	E171400	P & F extra down rod of 12mm dia, B class GI pipe including cutting, threading, drilling, fixing quarter pin etc as reqd	Mtr.	32.00		

S.No.	BSR Code	Particulars	Unit	Qty	Rate in Rs	Amount in Rs
24	E190300	P & F industrial fluorescent tube fitting with reflector fabricated from CRCA sheet and finished with powder coating / vitreous enamelled complete with accessories like (OCCB, starter, starter seat)/ EB, condensor, rotor holder, terminal block duly prewired with copper conductor including making connection, testing etc. as required.(without tube)				
	E190310	With powder coated reflector				
24.1	E190316	2 X 28 Watts with EB	Each	16.00		

Total Rs.

I / We hereby agree to execute the work on the above mentioned rates and term condition, total amounting to Rs _____ for the entire work and on the enclosed terms and conditions of contract of the Institute.

Signature of the contractor with seal

Address _____

Mobile No _____

Opened by us on _____

Tender Stands total amounting to Rs _____ for the entire work

Executive Engineer