

# Malaviya National Institute of Technology Jaipur

## TENDER NOTICE

Tender Notice No.25/2011-12

Sealed Tenders are invited from contractors for following works-

Name of Work	:-	Refurbishment of Metallurgical Engineering Department Workshop
Approximate Cost	:-	Rs. 5.46 Lakhs
Tender Cost	:-	Nil
Completion Period	:-	03 Months

Tender document can be down loaded from Institute web site [www.mnit.ac.in](http://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 Estate Engineer before 2.00 PM on 24.01.2012 along with Earnest money amounting Rs. 10,920/- (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 24.01.2012 at 3.30 PM. Tenders would be opened in the office of Estate Engineers, MNIT Jaipur.

**Estate Engineer**

# MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

## SCHEDULE AND SPECIFICATIONS

1	Name of Work	Refurbishment of Metallurgical Engineering Department Workshop	
3	Cost of Tender Document	NIL	
4	Earnest Money	Rs. 10,920/-	
5	Date & Time of receiving tenders	up to 2.00 P.M.	Date: 24.01.2012
6	Date & Time of Opening tenders	3.30 P.M.	Date: 24.01.2012

**ESTATE ENGINEER**

**ESTATE SECTION**

**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 2011 with TIN number
  - (B) Income Tax return for last three years 2008-09, 2009-10 and 2010-11
  - (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. 10,920/-**, 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 24.01.2012**. 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 24.01.2012** 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/BSR 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 with in 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** -----

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**Phone / Mobile No.** -----

**Seal of the Contractor**

# MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

## ESTATE SECTION

Subject: Refurbishment of Metallurgical Engineering Department Workshop

### G-Schedule

#### Part A: Civil work

S.N.	Description	Unit	Qty	Rates (in Rs.)	Amount (in Rs.)
1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.	sqm	235.00		
2	Providing non-asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (As per IS:14871) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses: corrugated sheets and including cutting to size and shape wherever required.	sqm	30.00		
3	Renewing glass panes, with putty and nails wherever necessary:				
	Float glass panes of thickness 4 mm	sqm	5.00		
4	White washing with lime to give an even shade:				
	New work (three or more coats)	sqm	400.00		
5	Painting with synthetic enamel paint of approved brand				
	Two or more coats on new work	sqm	102.00		
6	Applying priming coat :				
	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	50.00		
7	Providing and Fixing Thermocol Sheet without fixing of frame	sqm	220.00		
8	Providing and Fixing of Aluminium grid without Thermocol Sheet	sqm	360.00		
9	Removing of existing broken sheets	sqm	200.00		

S.N.	Description	Unit	Qty	Rates (in Rs.)	Amount (in Rs.)
10	Providing and Fixing 6 mm ply in existing frame of approved make by Engineer incharge	sqm	500.00		
11	Removing 6 mm ply in existing frame	sqm	40.00		
12	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :				
12.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	3.00		
13	12 mm cement plaster of mix :				
13.1	1:4 (1 cement : 4 fine sand)	sqm	5.00		
14	15 mm cement plaster on the rough side of single or half brick wall of mix :				
14.1	1:4 (1 cement : 4 fine sand)	sqm	6.00		
			<b>Total Rs.</b>		

**Part B: Electrical work**

1	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	(a) Group-1	Point	42		
2	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. (Make BSR Group-1)				
2.1	2 x 1.5 Sq. mm + 1 x 1.5 Sq. mm earth wire.	Mtrs.	50		
2.2	2 x 4 Sq. mm + 1 x 2.5 Sq. mm earth wire.	Mtrs.	150		
2.3	2 x 6 Sq. mm + 1 x 4 Sq. mm earth wire.	Mtrs.	200		
3	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 : (Make BSR Group-1)				
3.1	25 mm dia	Mtrs.	130		

S.N.	Description	Unit	Qty	Rates (in Rs.)	Amount (in Rs.)
4	P & F following size hot dip galvanized M.S. box with earthing terminal in recess/ surface suitable for modular accessories as required.(Make BSR Group-1)				
4.1	3 Module	Each	20		
5	P & F following size mounting grid plates with cover plates. (Make BSR Group-1)				
5.1	3 Module	Each	20		
6	P & F following modular accessories made out of unbreakable and fire retardant poly carbonate with silver contacts including making connections testing etc. as required (Make BSR Group-1)				
6.1	6 A one way switch	Each	10		
6.2	16 A one way switch	Each	10		
6.3	6 A 3 pin shuttered socket	Each	10		
6.4	16 A 6 pin shuttered socket	Each	10		
7	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, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection with lugs, testing etc. as required of size. (Make BSR Group-1)				
7.1	16.0 Sq.mm 4 core Armoured	Mtr.	50		
7.2	35.0 Sq.mm 3.5 core Armoured	Mtr.	70		
7.3	70.0 Sq.mm 3.5 core Armoured	Mtr.	100		
8	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ 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. (Make BSR Group-1)				
8.1	Double Door ( Three Phase ) 6 Way	Each	4		
9	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. (Make BSR Group-1)				
	Four pole Isolator				

S.N.	Description	Unit	Qty	Rates (in Rs.)	Amount (in Rs.)
9.1	63 A rating	Each	4		
10	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	TP MCB 6 A to 32 A rating	Each	28		
10.2	Single pole MCB 6 A to 32 A rating	Each	52		
11	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		
12	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. (Make BSR Group-1)				
12.1	8 SWG G.I. Wire	Mtr.	80		
13	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. (legrand, scheinder,ABB)				
13.1	up to 100 Amp, 16/25 kA, adjustable O/L & fixed S/C setting	Each	3		
13.2	250 Amp, 35/50 kA, adjustable O/L & adjustable S/C setting	Each	1		
14	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. (legrand, scheinder,ABB)				
14.1	Single phase (Three pin) 20 A	Each	16		

S.N.	Description	Unit	Qty	Rates (in Rs.)	Amount (in Rs.)
14.1	Three phase (Five pin)				
	30A-32A	Each	16		
15	P & F extra down rod of 12mm dia, B class GI pipe including cutting, threading, drilling, fixing quarter pin etc as reqd.	Mtr.	32		
16	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.( with tube) (make phillips, Havells)				
16.1	With powder coated reflector				
	2 X 28 Watts with EB	Each	16		
<b>Total Rs.</b>					

**Total A+B in 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

Estate Engineer