

# Malaviya National Institute of Technology Jaipur

## TENDER NOTICE

Sealed Tenders are invited from contractors for following works-

Name of Work :- Development of Chemistry Laboratory

Approximate Cost :- Rs.11.85 lac

Tender Cost :- Rs. 500.00

Completion Period :- 2 Month

Tender document can be obtained from the office of Executive Engineer, MNIT Jaipur during all working days/hours against D.D. drawn in favor of Registrar, MNIT Jaipur at a cost of Rs. 500.0 (Five hundred) up to 3.00 PM on 28<sup>th</sup> April, 2008. Earnest money amounting to Rs. 21700.00 (Twenty One Thousand Seven Hundred) in form of D.D. in favor of Registrar, MNIT Jaipur should be enclosed with Tender submitted to the Institute. 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 Registrar before 3.00 PM on 29.04-2008. Date and timings of opening of the Tender is 29-04-2008 at 3.30 PM. Tenders would be opened in the office of Executive Engineers, MNIT Jaipur.

**Executive Engineer**

# MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

## ESTATE DEPARTMENT

### SCHEDULE AND SPECIFICATIONS

1	Name of Work	Development of Chemistry Laboratory	
2	Estimated Cost of the Work	Rs. 10.85 lac	
3	Cost of Tender Document	Rs. 500.00	
4	Earnest Money	Rs. 21,700.00	
5	Last Date of Sale of Tender Document	Date: 28.04.2008	
6	Date & Time of Receiving Tenders Time up to	3.00 P.M.	Date: 29.04.2008
7	Date & Time of Opening of Financial Bids	3.30 P.M.	Date: 29.04.2008
8	Completion Period	2 Month	

**EXECUTIVE ENGINEER**

Malaviya National Institute of Technology Jaipur

Estate Section

Name of Work :- Development of Chemistry Laboratory

Approximate Cost :- Rs.10.85 lakh

Completion Period :- Two Months

**G - Schedule**

S. No.	Item	Unit	Quantity	Rate	Amount
1	<p><b>P&amp;F of Floor Mounted superior quality Godrej make Storage Units Ht. 675mm:</b> The floor units shall be of different size and of following specification. Material: The cabinet and steel shutters are made up of 0.8 mm thick CRCA M.S. sheet. Surface Treatment: The complete M.S. material of cabinet is pretreated (degreased, Zinc Phosphated) and epoxy powder coated (Ivory colour) for better corrosion resistance. The thickness of powder coat is 45-50 microns, which passes the test of Salt Spray for 1000 Hours and having the Scratch Hardness of 3 Kgs. The each storage unit is assembled with M6 Fasteners having Zinc-Cobalt coating for better corrosion resistance. The two adjacent units are connected together with Zinc-Cobalt coated. Cabinet Connectors. The shutters are fitted with Nickel-chrome plated self closing hinges which are further coated with cathodic electro-deposition (CED) paint to improve the resistance to corrosion. The drawer trays are mounted on Delryn roller bearing slides, which are made up of 1.6 mm thick M.S. sheet and epoxy powder coated. A pair of slide can carry a UDL of 15 Kgs.</p>				
1A	F-450-1S-1D- Length: 450mm, Depth: 550mm, Height: 675mm. The unit shall be consisting of 1 drawer and 1 shutter with 1 adjustable shelf.	No	9		
1B	F-600-2S-1D- Length: 600mm, Depth: 550mm, Height: 675mm. The unit shall be consisting of 1 drawer and 2 shutter with 1 adjustable shelf.	No	12		
1C	Sink Unit - F-SU-900-2S for SS Sink	No	4		

2	<b>P&amp;F of Sinks &amp; Accessories of superior quality</b>				
2A	SS Sink without drain board - Overall Size : 520 x 440 x 200mm	No	4		
2B	3 way brass faucet- Sink unit has 3-way (2 Straight + 1 Swan Neck) water tap made up of brass and with Epoxy powder coatings.	No	4		
3	<b>P&amp;F of Side Cover Panel for Floor Storage Units.</b> Ht 675mm of Godrej Make. The material is pretreated (degreased, Zinc Phosphated) and epoxy powder coated (Black colour) for better corrosion resistance. The thickness of powder coat is 45-50 microns, which passes Salt Spray test for 1000 Hours and has Scratch Hardness of 3 Kgs.	No	9		
4	<b>P&amp;F of Legs-pace Godrej Make-</b> 600mm with slim drawer, 675mm ht.	No	3		
5	<b>P&amp;F of Understructure Stand Godrej Make</b>				
	<b>Material:</b> The raw material used for Pedestal is 2mm thick 30mm x 30mm heavy duty ERW M.S. square tubes and 3 mm thick M.S. angle of 30 mm x 30 mm flange. <b>Surface Treatment:</b> The complete M.S. material of Pedestal is pretreated (degreased, Zinc Phosphated) and epoxy powder coated (Black colour) for better corrosion resistance. The thickness of powder coat is 45-50 microns, which passes Salt Spray test for 1000 Hours and has Scratch Hardness of 3 Kgs. Each Pedestal stand consists of 4 height adjusters that take care of all leveling aspects. The modular construction is fixed to units with high-tension Pan head M6 Zinc black-coated fasteners for better corrosion resistance. <b>Load Carrying Capacity:</b> The overall load carrying capacity of understructure stands is 250 kgs. UDL.				
5A	F-450 Width 450mm	No	9		
5B	F-600 Width 600mm	No	12		
5C	F-900- Width 900mm	No	4		

6	<b>P&amp;F of Godrej Make Reagent Shelf 2 tier, 300mm Depth (643mm Ht.):</b> Material: The raw material used for table is 2 mm. thick 30mm x 30mm Heavy Duty ERW M.S. square tubes. The end vertical support and horizontal shelves are made up of 1.2 mm thick CRCA M.S. sheet. Surface Treatment: The complete material of understructure table and M.S. panels are pretreated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance. The thickness of powder coat is 45-50 microns, which passes the test of Salt Spray for 1000 hours and having the scratch hardness of 3 Kgs. Each vertical panel is assembled with horizontal shelf with M6 fasteners having Zinc-Cobalt coating for better corrosion resistance. The two adjacent units are connected together with Zinc-Cobalt coated cabinet connector studs with nylon cap nuts. The horizontal shelf has provision for fixing the service panel to it. Complete in all respect as directed by the Engineer-In-Charge				
6A	<b>Main Modules of Godrej Make</b>				
	1. Reagent Shelf unit - L-1500mm	No	1		
	2. Reagent Shelf Unit - L-1200mm	No	1		
6B	<b>Add-on Modules all Godrej Make</b>				
	1. Reagent Shelf unit - L-1500mm	No	1		
	2. Reagent Shelf Unit - L-1200mm	No	1		
6C	<b>Reagent Support Table, Godrej Make</b>				
	Each understructure table consists of 4 height adjusters, which take care of all leveling aspects. The modular construction is joined together with high tension Pan head M6 Zinc black coated fasteners for better corrosion resistance.				
	1. L-1500mm, D-300mm	No	2		
	2. L-1200mm, D-300mm	No	2		
7	<b>P&amp;F of Granite Support Table of superior quality as per the approved drawing</b>				
	L-1200mm, D-300mm	No	2		
8	<b>P&amp;F of Side Cover Panel of Godrej Make for Granite / Reagent Support Table</b>	No	4		
9	<b>P&amp;F of Electric Connections and Fittings of superior quality</b>				
	6 Module Plate with 2 No. 16A Plug and 2 No. 6/16A Socket -Norhwest Make	No	12		

10	<b>P&amp;F of Wall (Top) Storage Unit of Godrej Make</b> - 643mm Ht. with Steel Shutter: For top storage unit the cabinet and steel shutters are made up of 0.8 mm thick CRCA M.S. sheet. Surface Treatment: The complete M.S. material of cabinet is pretreated (degreased, Zinc Phosphated) and epoxy powder coated (Ivory colour) for better corrosion resistance. The thickness of powder coat is 45-50 microns, which passes the test of Salt Spray for 1000 Hours and having the Scratch Hardness of 3 Kgs. The each storage unit is assembled with M6 Fasteners having Zinc-Cobalt coating for better corrosion resistance.				
10A	T-600-2S	No	10		
10B	Side Cover Panel for Wall (Top) Storage Unit - 643mm Ht.	No	10		
11	<b>P&amp; F of Work surface complete in all respect and Godrej Make</b>				
	18 (±1) mm thk. Granite (sq. mt.), plain worktop	Sq m	14.8		
	Edge moulding and V-Groove (running meter)	RM	23.25		
	Sink Cut	No	3		
	Column cut	No	1		
12	<b>P&amp;F of 4 ft. Bench type Autobypass Fumehood of approved Godrej quality:</b> Superstructure shall be made of MS electrogalvanised and powder coated outer casing Liner: Phenol Based Industrial laminate, 6" Thick. Vertical Type Sash with toughened glass. Granite worktop with oval shaped 100X200mm PP cupsink. A soft touch button panel with main switch, switch for blower and tube light and spare switch is provided. LED indicators to show the ON & OFF positions of switches are provided. Six no. (230V, 5/16A, 50Hz) electrical sockets and switches 'NorthWest' make. Apparatus storage base cabinet shall be MS powder coated with shelf and double skinned door. Centrifugal Blower shall be PP + FRP lined blower with FRP-vinylester impeller and a motor, 1000CFM, 1400RPM, 0.75H.P. KEC/CGL Make motor, 50mm W.G (ACLB 350). Including fumehood ducting of appropriate size and length.	No.	01		

13	P&F of 600mmx600mm of Asian/Varmora/NITCO/Naveen, premium quality marble series mat finishing vitrified tiles in floor, tops laid in pidilite tiling adhesive and jointed with white cement slurry @ 3.3 kg/sqm including pointing in white cement mixed with matching pigments, laid in approved pattern as detailed in drawing including curing, cleaning, material, labour, plant & machinery etc. complete as directed over the existing flooring with roff grout, tiles laid in proper line and level.	Sqm	60		
14	Wall painting with plastic Emulsion paint of ICI/BERGER/NEROLAC/ASIAN make to give an even shade: Two or more coats on old work including preparation of base with primer, putty, complete in all respect to give smooth superior quality surface	Sqm	130		
15	Supply of Air-Cooled HI-WALL MOUNTED SPLIT ACs (HWS ) complete with cordless remote control, safety feature as per the design & specifications and approval / instruction of the Engineer In Charge (a) Nominal CAPACITY– 1.5 TR.( outdoor and indoor unit )	No.	2		
15A	Providing & fixing of Interconnected Refrigerant piping circuit of required sizes with imported copper tubes duly insulated with Close cell Elastometric foam, complete with supports & properly clamped as per design, specifications and approval / instruction of the Engineer Incharge: Nominal capacity is 1.5 Tonnes	RM	20		
15B	Providing & fixing of Interconnected Electrical wiring with 2x6 sqmm. (Havell's/Finolex) With earth wire 1x4 sqmm. /with 4x6 sqmm + 2x4 sqmm earth wire(for three phase) between Room and condensing units including Power cables from Power supply switch/socket to condensing units, conduit setia/AKG/Polypack, Fittings etc. as required complete as per design and specifications of the manufacturer and approval / instruction of Engineer-In-charge	RM	25		
15C	Supply, Fabrication & fixing of floor standing MS angle iron stands for Condensing units with painting complete as per design, specifications and approval / instruction of the consultant: Nominal capacity is 1.5 Tonnes	No.	2		

15D	Providing & fixing of PVC Drain piping - 20 Kg Density with fittings & valves, insulated with Close cell Electrometric foam complete as per design and specifications of the manufacturer and approval / instruction of the consultant (a) 25 MM	RM	20		
15E	Providing and fixing triple step 4 k.v.a Stabilizer. ( blue bird /logictch/micel make )	No.	2		
16	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections (1.5" x 2.5") of approved make conforming to IS: 733 and IS: 1285, anodised transparent (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing of partition with 5.0 mm thick glass of Saint Gobain/Modi make. Design of the work would be as decided by the Engineer-In-charge.	Sqm	18		
<b>17</b>	<b>Electrical Wiring</b>				
17A	Wiring for light poin/fan poin/exhaust fan/cabin fan point with 1.5 sq.mm PVC insulated copper conductor wires in surface/recessed PVC conduits including circuit wiring along with 1.5 sqmm. PVC insulated copper conductor earth wire & complete with modular switch modular plate along with wiring accessories etc. as required as per drawings & specification.	Point	20		
17B	Wiring for 3 pin. 6A light plug point with 1.5 sq.mm PVC insulated PVC copper conductor wires in surface/recessed PVC conduit including providing and fixing 3 pin 6A modular type socket outlet and switch. earthing the 3rd pin with 1.5 sqmm PVC insulated copper conductor earth wire etc. as required	Point	20		

17C	Wiring for 6 pin 16A plug point with 4.00 sq.mm PVC insulated copper conductor wires in surface/ recessed PVC conduit including providing and fixing 6 pin 16/6A modular combined socket outlet and switch, earthing the 3rd pin with 2.5 sqmm PVC insulated copper conductor earth wire etc. as required (maximum two points per circuit).	Point	14		
17D	Wiring for 6 pin 16 plug point with 6.00 sq.mm PVC insulated copper conductor wires in surface/ recessed PVC conduit including providing and fixing 3 pin 25 A Industrial Plug socket and plug outlet and 25 A SP MCB, earthing the 3rd pin with 4.0 sqmm PVC insulated copper conductor earth wire etc. as required.	Point	2		
17E	Wiring for submain wiring with following sizes of PVC insulated copper conductor in existing surface/ recessed PVC conduit along with PVC insulated copper conductor earth wire as required complete with connections, testing and commissioning etc, as per specifications and drawings.				
	4 x 10 sq.mm with 1 x 6 sq.mm earth wire	RM	25		
	2 x 6 sq.mm with 1 x 4 sq.mm earth wire	RM	40		
	2 x 4 sq.mm with 1 x 2.5 sq.mm earth wire	RM	250		
17F	2 x 2.5 sq.mm with 1 x 1.5 sq.mm earth wire	RM	100		
	Supply and fixing of following size of PVC conduit along with the accessories in surface/recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required.				
	32 mm. Dia	RM	40		
	25 mm.Dia	RM	200		
17G	P&F Recessed/ Surface mounting heavy duty horizontal Double door (Three phase) sheet steel Distribution board phophatised/ powder painted complete with 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. 4WayTPN HORIZONTAL with 12 Nos. (6-32A) 10 kA SP MCB Outgoing & 1 No. 63 A 4P MCB Incomer	Each	2		

18	Light Fitting and Fixtures				
	Supply of following light fixtures complete with energy efficient lamps, lamp holder. etc. duly wired complete for use on 240V single phase 50 Hz AC supply including all fixing accessories such as suspension rods/mounting brackets etc. as required.				
18A	2 x 36 W fluorescent box type tube light fixture. (Cat No. Philips - TMC 55/136 HPF or approved equivalent).	No.	4		
18B	2. x 36 W CFL Tube decorative mirror optics light fixture (Cal No. Philips FBS 450/236 D6 or approved equivalent).	No.	6		
18C	Supply and fixing Ceiling Fans, 1200mm sweep. Double ball bearing with Modular type fan regulator.	No.	4		
18D	Supply and fixing heavy duty exhaust fan 300mm sweep complete as required.	No.	1		
19	Providing and fixing vertical blinds VISTA/equivalent 100mm, the fabric to be scotchguard and sanitised(satin repellent) average thickness 0.8 mm, 100% polyester non woven, with PVC coating handrail as per specifications of the manufacturer	Sqm	20		
Total Cost in Rs.					
In words (.....)					

**EXECUTIVE ENGINEER**

I /We hereby agree to execute the work on the rates as mentioned above by me/us in the G - Schedule and on the enclosed Terms and conditions of contract of the Institute.

**Signature of the contractor with seal**  
**Address.....**  
.....  
**Phone/Mobile .....**

Opened by us on .....  
Tender stands at the total amount of Rupees .....

**K. D. Gupta**

**Ragini Gupta**

**Mahesh K. Jat**

**C. M. Saini**

Schedule – H  
**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR**

**ESTATE DEPARTMENT**

**Terms and Conditions of contract**

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.

1. 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.

The attested copies of the following documents must be submitted by the tenderer along with his tender document:

- (A) Sales Tax clearance certificate upto 2007 with TIN number
- (B) Income Tax return for last three years 2004-05, 2005-06 and 2006-07.
2. (C) Preferably valid registration certificate from CPWD / PWD / MES / RAILWAYS / SEMI - GOVERNMENT ORGANIZATIONS/ REPUTED MNC.
- (D) List of major works of similar nature having completed satisfactorily during last three years with supporting documents.

Earnest money @ 2 % as mentioned in the tender form, 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.

3. MNIT, Jaipur should be enclosed with tender submitted to the institute. Tenders submitted without earnest money shall not be entertained.

Sealed tenders shall have to be dropped in the locked tender box placed in the office of the Registrar MNIT up to **3.00 PM on 29.04.2008**. Tenders received after the above date and time shall not be entertained.

4. Registrar MNIT up to **3.00 PM on 29.04.2008**. Tenders received after the above date and time shall not be entertained.

Sealed tenders shall be opened in the Board Room at **3.30 PM on 29.04.2008** in the presence of the contractors or their authorized representatives, those who remain present at that time.

5. Sealed tenders shall be opened in the Board Room at **3.30 PM on 29.04.2008** in the presence of the contractors or their authorized representatives, those who remain present at that time.

6. Conditional tenders shall not be considered.

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.

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.

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.

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.

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.

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.

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.

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. Water & electricity consumption charges for the work will be recovered @ 2 % (1% for each water and electricity) of the billed amount from the contractor's bill, if these are supplied by the institute.

15. The MNIT reserves all rights to club or divide works and / or accept or reject any or all the tenders without assigning any reason.

16. The quantities of the items mentioned in the G- Schedule can be increased or decreased depending on the prevailing site conditions.

The running payments as per the actual measurements shall be made only on the satisfactory completion of 35 % and 70 % of the work and remaining final payment 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 :

- 18.
- |  |                               |
|--|-------------------------------|
| (1) Delay upto one week                          | 1%                            |
| (2) Delay exceeding one week and upto two weeks  | 2%                            |
| (3) Delay exceeding two weeks and upto one month | 5%                            |
| (4) Delay exceeding one month                    | 5% for every delay of 15 days |

19. 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.

20. 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 within the above period the same shall be made good by the contractor to the satisfaction of the Institute.

## REGISTRAR

I / We have read the above mentioned Terms and conditions at s.no. 1 to 20 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

Dated:

To

.....  
.....  
.....

Subject: Tender Notice

Sir,

I am enclosing herewith a tender notice for the works noted therein. You are therefore requested to submit your offer as per the terms and conditions of the tender notice within specified time

Executive Engineer

Encl...

1. As above