



**NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015**  
**ESTATE MAINTENANCE DEPARTMENT**

**TENDER NOTIFICATION**

**Ref: NITT/EMD/EO/Civil works/Enq. No. 43/15-16**

**Date.09.02.2016**

The **Estate Officer** of NIT on behalf of The Director, NIT invites sealed item rate tenders from the appropriate list of Tamil Nadu state PWD, Railways, CPWD, MES and BSNL for the following work. Sealed tenders will be received by the Registrar, National Institute of Technology, Tiruchirappalli-15 up to **3.00 p.m. on 22.02.2016**. The tender will be **opened at 3.30 p.m. on 22.02.2016** at Registrar Office, in the presence of tenderers who choose to present.

<b>Enq No.</b>	<b>Est Id. No</b>	<b>Name of work</b>	<b>Estimate cost Rs.</b>	<b>Earnest Money Rs.</b>	<b>Last date for Submission of the tenders</b>	<b>Tender cost</b>
43	110	Repairs and painting works for vacant Qrs. No.9 & 10 in 6 <sup>th</sup> Street.	1,77,900/-	3,600/-	22.02.2016	Rs.150/-

Tender details in this regard may also be seen in the Notice board of office of the Estate office, Estate Maintenance Dept, NIT, Trichy-15 during office hours on any working days.

The tender document can be downloaded from this institute web site [www.nitt.edu/home/others/tenders/](http://www.nitt.edu/home/others/tenders/). The tender cost and the Earnest money should be enclosed along with tender schedule in the form of separate **Demand Draft** from any Nationalized Bank drawn in favor of “**The Director, NIT, Trichy-15**”

Sd...

**Estate Officer**

## SCHEDULE OF WORK

**Name of Work: Repairs and Painting works for Vacant Qts.No.9 & 10 in 6th street**

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	WOOD AND P. V. C. WORK					
1.1	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.					
1.1.1	Second class teak wood					
1.1.1.1	30 mm thick shutters	2	sqm			
1.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :					
1.2.1	250x10 mm	8	each			
1.2.2	150x10 mm	8	each			
1.3	Providing and fixing to existing door frames.					
1.3.1	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a	4	sqm			

	<p>uPVC hollow section of size 60x30 mm and wall thickness 2 mm (<math>\pm</math> 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (<math>\pm</math> 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (<math>\pm</math> 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (<math>\pm</math> 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.</p>					
2	<b>FLOORING</b>					
2.1	<p>Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.</p>	<b>10</b>	<b>Sqm</b>			
3	<b>FINISHING</b>					
3.1	<p>Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :</p>					

3.1.1	Water thinnable cement primer	<b>600</b>	<b>sqm</b>			
4	<b>REPAIRS TO BUILDINGS</b>					
4.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead :					
4.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	<b>15</b>	<b>sqm</b>			
4.2	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:					
4.2.1	Float glass panes of thickness 4 mm	<b>5</b>	<b>sqm</b>			
4.3	White washing with lime to give an even shade :					
4.3.1	Old work (one or more coats)	<b>240</b>	<b>sqm</b>			
4.4	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	<b>600</b>	<b>sqm</b>			
4.5	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					

4.5.1	One or more coats on old work	<b>160</b>	<b>sqm</b>			
4.6	Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.					
4.6.1	One or more coats on old work	<b>600</b>	<b>sqm</b>			
<b>5</b>	<b>DISMANTLING &amp; DEMOLISHING</b>					
5.1	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	<b>10</b>	<b>cum</b>			
<b>6</b>	<b>SANITARY INSTALLATIONS</b>					
6.1	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :					
6.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	<b>1</b>	<b>each</b>			
6.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and					

	fixtures complete, including cutting and making good the walls and floors wherever required :					
6.2.1	W.C. pan with ISI marked black solid plastic seat and lid	<b>1</b>	<b>each</b>			
6.3	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.					
6.3.1	10 litre capacity – White	<b>2</b>	<b>each</b>			
6.4	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :					
6.4.1	White solid plastic seat with lid	<b>2</b>	<b>each</b>			
6.5	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
6.5.1	Semi rigid pipe					
6.5.1.1	32 mm dia	<b>4</b>	<b>each</b>			
6.6	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :					
6.6.1	Rectangular shape 453x357 mm	<b>4</b>	<b>each</b>			
6.7	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement					

	of approved quality and colour.					
6.7.1	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	<b>4</b>	<b>each</b>			
7	<b>WATER SUPPLY</b>					
7.1	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :					
7.1.1	100 mm diameter	<b>2</b>	<b>each</b>			
7.2	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.					
7.2.1	15 mm nominal bore	<b>8</b>	<b>each</b>			
7.3	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.					
7.3.1	15 mm nominal bore	<b>2</b>	<b>each</b>			
7.4	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore					
7.4.1	15mm nominal bore	<b>4</b>	<b>each</b>			
7.5	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.					
7.5.1	15 mm nominal bore with 45 cm length	<b>4</b>	<b>each</b>			

8	<b>DRAINAGE</b>					
8.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :					
8.1.1	100x100 mm size P type					
8.1.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	<b>2</b>	<b>each</b>			
9	<b>ALUMINIUM WORK</b>					
9.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):					
9.1.1	With float glass panes of 4.0 mm thickness	<b>1.5</b>	<b>sqm</b>			
10	<b>NIT MARKET RATE</b>					
10.1	Providing and fixing of 75mm dia (Finolex or Avonplast- 6kg/cm <sup>2</sup> ) Unplasticised Rigid PVC soil pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes	<b>30</b>	<b>Mtr</b>			
10.2	Providing and fixing of 110mm dia (Finolex or Avonplast- 6kg/cm <sup>2</sup> )Unplasticised Rigid PVC soil pipes conforming to IS : 13592 Type A	<b>20</b>	<b>Mtr</b>			



	including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes					
10.3	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 75 mm dia PVC plain elbow (Finolex or equivalent make)	<b>3</b>	<b>Each</b>			
10.4	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 75 mm dia PVC Door elbow (Finolex or equivalent make)	<b>3</b>	<b>Each</b>			
10.5	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 110 mm dia PVC plain elbow (Finolex or equivalent make)	<b>4</b>	<b>Each</b>			
10.6	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 110 mm dia PVC Door elow (Finolex or equivalent make)	<b>4</b>	<b>Each</b>			

10.7	<p>Repolishing of old Mosaic floors,Dado,skirting etc., in grey and all colours and finishing the surfaces smooth including filling the joints and voids by matching pigments, chips etc complete all as per standard specifications.Rate including cost of materials hire and running charges of materials,Labours etc complete as directed by the Engineer incharge:</p>	240	Sqm			
10.8	<p>Diluting and injecting chemical emulsion for POST CONSTRUCTIONAL Anti termite treatment (including the cost of chemical emulsion): With Chloropyiphos/ Lindane EC 20% with 1% concentration or ISI marked equivalent chemical .  Treatment of soil under existing floors using chemical @1litre per hole 300mm apart including drilling 12mm dia holes and plugging with cement mortar 1:2(one cement ;two coarse sand) to match the existing floor.( Cost includes all taxes and minimum 3 year Warranty)   Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole :</p>	120	Sq.m			
<b>TOTAL</b>						

**Signature of Contractor**