



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015

ESTATE MAINTENANCE DEPARTMENT

NOTICE INVITING TENDERS

Ref: NITT/EO/EMD/Civil Works/En. No.10/ 2015 -16

Date: 25.01.2016

The **Estate Officer**, Estate Maintenance Department, NIT-Trichy - 620 015 invites on behalf of The Director, NIT-Trichy - 620 015 sealed item rate tenders from the approved and eligible contractors of NITT/CPWD and those in the appropriate list of Tamil Nadu state PWD, Railways, 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 12.02.2016**. The tender will be **opened at 3.30 p.m. on 12.02.2016** at **Registrar Office**, in the presence of tenders who choose to present.

En. No	Est. Id No	Name of work	Estimate Cost Rs.	E.M.D Rs.	Last Date for submission of tenders	Tender cost Rs.
10.1	105	Laying of Vitrified floor tiles for Heat Transfer, Refrigeration, A/c, Composite labs and corridor for Mech. Engg. Dept. at Main Building	7,69,599/-	15,400/-	12.02.2016	150/-
10.2	106	Renovation & Modification of Old Physics Dept. for Mechanical Engg. Department.	9,77,248/-	19,600/-	12.02.2016	150/-
10.3	107	Providing Aluminum sliding windows for SJB Building	9,36,828/-	18,800/-	12.02.2016	150/-
10.4	108	Providing grill arrangement for Silver Jubilee Building windows	5,23,601/-	10,500/-	12.02.2016	150/-

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

The tender document can be downloaded from the Institute Web Site www.nitt.edu/home/others/tenders/. The tender cost and Earnest money should be enclosed along with tender schedule in the form of separate **Demand Draft** of any Nationalized bank Drawn in favour of “**The Director, NIT, Trichy – 15.**”

**-Sd-
Estate Officer**

NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620015
DEPARTMENT OF ESTATE MAINTRNANCE

TENDER DOCUMENT

N/W: Laying of Vitrified floor tiles for Heat Transfer, Refrigeration, A/c, Composite labs and corridor for Mech. Engg. Dept. at Main Building

Ref : NITT/EMD/EO/Civil Works/Eq. No. 10.1(105)/15-16,dated 25.01.2016

Due On – 12.02.2016

Name of the Agency :

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1.1	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make, in all colours, shades, except 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 pigments etc., complete.	310.00	Sqm			
1.2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	11.00	Sqm			
1.2.1	Size of Tile 600x600 mm					

1.3	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge	195.00	Sqm			
1.3.1	Size of Tile 600x600 mm					
1.4	Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	210.00	Sqm			
1.4.1	Size of Tile 600x600 mm					
Total						

SIGNATURE OF CONTRACTOR

NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620015
DEPARTMENT OF ESTATE MAINTRNANCE
TENDER DOCUMENT

N/W : Renovation & Modification of Old Physics Dept for Mechanical Engg. Department

Ref : NITT/EMD/EO/Civil Works/En. No.10.2(106)/15-16,dated 25.01.2016

Due On – 12.02.2016

Name of the Agency :

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :	900.00	Sqm			
1.1.1	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :					
1.1.1.1	With Chlorpyriphos / Lindane E.C. 20% with 1% concentration					
2	Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.50	Cum			
2.2	Centering and shuttering including strutting, propping etc. and removal of form for :	17.00	Sqm			
2.2.1	Suspended floors, roofs, landings, balconies and access platform					

2.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	70.00	Kg			
2.3.1	Thermo-Mechanically Treated bars					
3.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in superstructure above plinth level up to floor V level in all shapes and sizes in	3.50	Cum			
3.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)					
3.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in superstructure above plinth level up to floor V level.	13.00	Sqm			
3.2.1	Cement mortar 1:4 (1 cement : 4 coarse sand)					
4.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.	14.00	Sqm			
4.1.1	Granite of any colour and shade					
4.1.1.1	Area of slab upto 0.50 sqm					
4.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	24.00	Meter			
4.2.1	Granite work					

5.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).	0.60	Cum			
5.1.1	Second class country wood					
	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	8.00	Each			
5.3	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 :	14.00	Each			
5.3.1	150x10 mm					
5.4	Providing and fixing aluminium handles, 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 :	14.00	Each			
5.4.1	100 mm					
5.5	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete	8.00	Each			
5.5.1	Single rubber stopper					

5.6	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	7.00	Each			
5.7	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.	24.00	Each			
5.7.1	Providing and fixing magnetic catcher of approved quality in cupboard /					
5.8	Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.	16.00	Sqm			
5.8.1	With non decorative veneering on both sides					
6.1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	260.00	Kg			
6.1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works					
7.1	12 mm cement plaster of mix :	70.00	Sqm			
7.1.1	1:6 (1 cement: 6 fine sand)					

8.1	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 :	5.00	Sqm			
8.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)					
8.2	White washing with lime to give an even shade :	500.00	Sqm			
8.2.1	Old work (one or more coats)					
8.3	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	760.00	Sqm			
8.4	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:	210.00	Sqm			
8.4.1	One or more coats on old work					
9.1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	4.00	Cum			
9.1.1	In cement mortar					
9.2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :	1.00	Each			
9.2.1	Of area 3 sq. metres and below					
9.3	Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead :	3.00	Sqm			
9.3.1	Thickness up to 40 mm					

9.4	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	65.00	Sqm			
9.5	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.	7.00	Cum			
10.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :	3.00	Each			
10.1.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps					
10.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	3.00	Each			
10.2.1	Flexible pipe					
10.2.1.1.	32 mm dia					
10.3	Providing and fixing 100 mm sand cast Iron grating for gully trap.	3.00	Each			

10.4	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 :	3.00	Each			
10.4.1	Rectangular shape 453x357 mm					
10.5	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.	3.00	Each			
10.5.1	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					
11.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.					
11.1.1	20 mm nominal outer dia Pipes	32.00	Meter			
11.1.2	50 mm nominal outer dia Pipes	49.00	Meter			
11.2	Providing and fixing brass stop cock of approved quality :	3.00	Each			
11.2.1	20 mm nominal bore					
11.3	Providing and fixing gun metal gate valve with C.I. wheel	3.00	Each			

	of approved quality (screwed end) :					
11.3.1	25 mm nominal bore					
11.4	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :	3.00	Each			
11.4.1	20 mm nominal bore					
12.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :	830.00	Kg			
12.1.1	For fixed portion					
12.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)					
12.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	120.00	Kg			
12.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)					

12.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade 1 Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.	80.00	Sqm			
12.2.1	Pre-laminated particle board with decorative lamination on both sides					
12.3	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):	30.00	Sqm			
12.3.1	With float glass panes of 5.50 mm thickness					
12.4	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	6.00	Each			

12.4.1	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	20.00	Kg			
Total						

SIGNATURE OF CONTRACTOR

NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620015
DEPARTMENT OF ESTATE MAINTRNANCE

TENDER DOCUMENT

N/W: Providing Aluminium sliding windows for for SJB Building

Ref : NITT/EMD/EO/Civil Works/Eq. No. 10.3(107)/15-16,dated 25.01.2016

Due On – 12.02.2016

Name of the Agency :

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :	1220.00	Kg			
1.1.1	For fixed portion					
1.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)					

1.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	650.00	Kg			
1.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)					
1.2	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):	110.00	Sqm			
1.2.1	Size of Tile 600x600 mm With float glass panes of 5.50 mm thickness					
Total						

SIGNATURE OF CONTRACTOR

**NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620015
DEPARTMENT OF ESTATE MAINTRNANCE**

TENDER DOCUMENT

N/W: Providing grill arrangement for Silver Jubilee Building windows

Ref : NITT/EMD/EO/Civil Works/Eq. No. 10.4(108)/15-16,dated 25.01.2016

Due On – 12.02.2016

Name of the Agency :

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1.1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	5250.00	Kg			
1.1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works					
2.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	180.00	Sqm			
2.1.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture					
3.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :	18.00	Each			
3.1.1	Of area 3 sq. metres and below					
Total						

SIGNATURE OF COTRACTOR