



NOTICE INVITING TENDERS

Ref: NIT-T/EO/EMD/En. No 9/ 2015 -16

Date.11.01.2016

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 28.01.2016**. The tender will be **opened at 3.30.p.m on 28.01.2016** 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.	Extended Date for submission of tenders	Tender cost
9.1	98	Laying floor tiles in FF Class rooms, Corridor and HoD room in Chemical Engineering Department	9,46,614/-	18,950/-	28.01.2016	150/-
9.2	99	Providing false ceiling, flooring and polishing in HoD, Smart class room and lab in DEE.	6,63,275/-	13,300/-	28.01.2016	150/-
9.3	100	Providing aluminum partition wall for Dean Academic office and SAC first floor	5,49,445/-	11,000/-	28.01.2016	150/-
9.4	101	Providing Cycle shed in front of Opal-C Block	6,01,942/-	12,100/-	28.01.2016	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 Vitrified Floor Tiles in Chemical Engineering Department class rooms and corridor.

Ref : NITT/EMD/EO/Civil Works/En. No.9.1(98) /15-16,dated 11.01.2016

Due On: 28.01.2016

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 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).	27.00	Sqm			
1.1.1	Size of Tile 600x600 mm					
1.2	Providing and laying Vitrified tiles in floor with 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, 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).	450.00	Sqm			
1.2.1	Size of Tile 600x600 mm					

2.1	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p>	65.00	Sqm			
2.1.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I					
3.1	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	65.00	Sqm			
3.1.1	Water thinnable cement primer					

3.2	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :	65.00	Sqm			
3.2.1	Two or more coats on new work					
4.1	White washing with lime to give an even shade :	510.00	Sqm			
4.1.1	Old work (one or more coats)					
4.2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade	1050.00	Sqm			
4.2.1	One or more coats on old work					
4.3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	90.00	Sqm			
4.3.1	One or more coats on old work					
5.1	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.	3.10	Cum			
5.1.1	In cement mortar					

SIGNATURE OF CONTRACTOR

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

TENDER DOCUMENT

N/W: Providing false ceiling, flooring and polishing in HoD, Smart class room and lab in DEE.

Ref : NITT/EMD/EO/Civil Works/En. No.9.2(99) /15-16,dated 11.01.2016

Due On: 28.01.2016

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 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).	10.00	Sqm			
1.1.1	Size of Tile 600x600 mm					
1.2	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.	205.00	Sqm			
1.2.1	Size of Tile 600x600 mm					
1.3	Providing and laying Vitrified tiles in floor with 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, 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).	205.00	Sqm			
1.3.1	Size of Tile 600x600 mm					

2.1	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p>	130.00	Sqm			
2.1.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I					
3.1	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	130.00	Sqm			
3.1.1	Water thinnable cement primer					

3.2	Finishing walls with Acrylic Smooth exterior paint of required shade :	200.00	Sqm			
3.2.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)					
3.3	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :	300.00	Sqm			
3.3.1	Two or more coats on new work					
3.4	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.	830.00	Sqm			
4.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.	11.00	Sqm			
4.1.1	For thickness of tiles 10 mm to 25 mm					
4.2	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.	65.60	Sqm			
4.3	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.	12.00	Cum			
5.1	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 :	4.00	Each			
5.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests					

5.2	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	1.00	Each			
5.2.1	W.C. pan with ISI marked white solid plastic seat and lid					
5.3	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :	4.00	Each			
5.3.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern					
5.4	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 :	1.00	Each			
5.4.1	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap					

SIGNATURE OF CONTRACTOR

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

TENDER DOCUMENT

N/W: Providing Aluminum Partition wall for Dean Academic Office and SAC First Floor

Ref : NITT/EMD/EO/Civil Works/En. No.9.3(100) /15-16,dated 11.01.2016

Due On: 28.01.2016

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 die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	7.00	Each			
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 :	12.00	Each			
1.2.1	150x10 mm					
1.3	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 :	12.00	Each			
1.3.1	100 mm					
1.4	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.	6.00	Each			
1.4.1	Single rubber stopper					
1.5	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.	6.00	Each			

2.1	White washing with lime to give an even shade :	380.00	Sqm			
2.1.1	Old work (one or more coats)					
2.2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade	620.00	Sqm			
2.2.1	One or more coats on old work					
2.3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	100.00	Sqm			
2.3.1	One or more coats on old work					
2.4	French spirit polishing :	60.00	Sqm			
2.4.1	One or more coats on old work					
3.1	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) :	650.00	Kg			
3.1.1	For fixed portion					
3.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)					

3.1.2	Finishing walls with Acrylic Smooth exterior paint of required shade : 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)	110.00	Kg			
3.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)					
3.2	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I 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.	85.00	Sqm			
3.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side					
3.3	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):	50.00	Sqm			
3.3.1	With float glass panes of 5.00 mm thickness					
4.1	Providing and fixing 6mm thick mirror of superior glass of required shape and size of brand Pilco,warrior, Saint gobain with 6 mm thick hard board backing :	10.00	Sqm			

SIGNATURE OF CONTRACTOR

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

TENDER DOCUMENT

N/W: Providing Cycle shed in front of Opal-C Block

Ref : NITT/EMD/EO/Civil Works/En. No.9.4(101) /15-16,dated 11.01.2016

Due On: 28.01.2016

Name of the Agency :

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1.	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	16.00	Cum			
1.1	All kinds of soil.					
2.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	20.00	Cum			
3.	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	9.00	Cum			
4.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :	5.00	Cum			
4.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)					
4.2	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	1.00	Cum			

5.1	Centering and shuttering including strutting, propping etc. and removal of form for :	38.00	Sqm			
5.1.1	Foundations, footings, bases of columns, etc. for mass concrete					
6.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	1700.00	Kg			
6.1.1	Hot finished welded type tubes					
7.1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	225.00	Sqm			
8..1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :	70.00	Sqm			
8.1.1	Two or more coats on new work					
9.1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of :	75.00	Sqm			
9.1.1	Asbestos sheet					

10	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	260.00	Sqm			
11	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	7.00	Cum			
12.1	Extra for depth for manholes	0.40	Metre			
12.1.1	Size 120x90 cm					
12.1.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 3.5					
13.1	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) :	2.00	Each			
13.1	Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5					

SIGNATURE OF CONTRACTOR _____