



NOTICE INVITING TENDERS NO: NITT/EMD//Civil / 2014

**TENDER NOTIFICATION**

Ref: NIT-T/EMD/ COW/Civil Works / 2015

Date.14.05.2015

The **Chief of works**, 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 25.05.2015**. The tender will be opened at 3.30. p.m of Registrar **office**.

<b>Enq No.</b>	<b>Est Id. No</b>	<b>Name of work</b>	<b>Estimate cost Rs.</b>	<b>Earnes t Money Rs</b>	<b>Last date for Submissio n of the tenders</b>	<b>Tender cost</b>
1.1	3	Laying Vitrified floor tiles in faculty rooms in SJB GF,FF,& SF for ECE Department	8,40,708/-	16,820/ -	25.05.2015	Rs.150/-
1.2	4	Modification of faculty rooms in SJB for ECE Department	9,41,284 /-	18,830/ -	25.05.2015	Rs.150/-
1.3	5	Providing Shelves arrangement for faculty rooms in Civil Engineering Department	6,83,130/-	13,670/ -	25.05.2015	Rs.150/-
1.4	6	Providing Cycle & Two wheeler parking facilities to Quarters gate Entrance	9,47,485/-	18,950/ --	25.05.2015	Rs.150/-
1.5	7	Providing weld mesh fencing at the front side of Helipad premise.	8,64,866/-	17,300/ -	25.05.2015	Rs.150/-
1.6	12	Annual maintenance of lawns and gardens at Mechanical inner quadrangle, OPAL E Block, Lyceum building, Guest House, Jasper Hostel In front of physical Director Officer, GYM, In front of Civil Engineering Department, EEE and Chemical Engineering Department.	8,53,718/-	17,080	25.05.2015	Rs.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/](http://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 – Chief of Works**

## SCHEDULE OF WORK

State Tamil Nadu

Branch NIT-T

Name of Work : Laying a Vitrified floor tiles in Faculty rooms in SJB GF,FF & SF for ECE Department

Division Estate Maintenance  
Sub-Division Institute

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	FLOORING					
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).					
1.1.1	Size of Tile 600x600 mm	50.00	sqm			
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).					
1.2.1	Size of Tile 600x600 mm	440.00	sqm			
	Sub-Total					
	Total					

SIGNATURE OF CONTRACTOR

## SCHEDULE OF WORK

State Tamil Nadu

Branch NIT-T

Name of Work : Modification of faculty rooms in SJB Ground floor & FF for ECE Department

Division Estate Maintenance  
Sub-Division Institute

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	REINFORCED CEMENT CONCRETE					
1.1	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, 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).	5.00	cum			
1.2	Centering and shuttering including strutting, propping etc. and removal of form for :					
1.2.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	60.00	sqm			
1.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
1.3.1	Thermo-Mechanically Treated bars	210.00	kilogram			
	Sub-Total					
2	BRICK WORK					
2.1	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					
2.1.1	Cement mortar 1:4 (1 cement :4 coarse sand)	85.00	sqm			
	Sub-Total					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
3	MARBLE WORK					
3.1	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.					
3.1.1	Granite of any colour and shade					
3.1.1.1	Area of slab upto 0.50 sqm	40.00	sqm			
	Sub-Total					
4	WOOD AND P. V. C. WORK					
4.1	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).					
4.1.1	Second class teak wood	1.50	cum			
4.2	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 :					
4.2.1	150x10 mm	60.00	each			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
4.3	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.					
4.3.1	With decorative veneering on one side and commercial veneering on other side	54.00	sqm			
	Sub-Total					
5	<b>FINISHING</b>					
5.1	12 mm cement plaster of mix :					
5.1.1	1:6 (1 cement: 6 fine sand)	260.00	sqm			
5.2	15 mm cement plaster on the rough side of single or half brick wall of mix :					
5.2.1	1:6 (1 cement: 6 fine sand)	150.00	sqm			
5.3	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :					
5.3.1	Two or more coats on new work	770.00	sqm			
	Sub-Total					
6	<b>REPAIRS TO BUILDINGS</b>					
6.1	White washing with lime to give an even shade :					
6.1.1	Old work (one or more coats)	535.00	sqm			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
6.2	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	770.00	sqm			
6.3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					
6.3.1	One or more coats on old work	415.00	sqm			
6.4	Finishing walls with water proofing cement paint of required shade :					
6.4.1	Old work (one or more coats @ 2.20 kg/10 sqm) complete.	730.00	sqm			
	Sub-Total					
7	DISMANTLING & DEMOLISHING					
7.1	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.					
7.1.1	In cement mortar	15.00	cum			
7.2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :					
7.2.1	Of area beyond 3 sq. metres	35.00	each			
7.3	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.	15.00	cum			
	Sub-Total					
8	NIT-T Local Items					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
8.1	Brick work with common burnt clay modular bricks of class designation 3.5 in superstructure above plinth level up to floor V level in all shapes and sizes in Cement Mortar 1:6	32.00	Cum			
8.2	Providing and fixing the 38 mm thick cuddapa slab including the cost of all materials and labour charges, conveyance etc.	38.00	Sqm			
	Sub-Total					
	Total					

SIGNATURE OF CONTRACTOR

## SCHEDULE OF WORK

State Tamil Nadu

Branch NITT

Name of Work : Providing shelves arrangement for faculty room in Civil Eng.Dept.

Division EMD

Sub-Division INS

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	<b>EARTH WORK</b>					
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.					
1.1.1	All kinds of soil	3.50	cum			
	Sub-Total					
2	<b>CONCRETE WORK</b>					
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
2.1.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	3.00	cum			
	Sub-Total					
3	<b>BRICK WORK</b>					
3.1	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.					
3.1.1	Cement mortar 1:4 (1 cement :4 coarse sand)	100.00	sqm			
	Sub-Total					



ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
4	WOOD AND P. V. C. WORK					
4.1	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).					
4.1.1	Second class teak wood	1.50	cum			
4.2	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.					
4.2.1	1.0 mm thick	30.00	sqm			
4.3	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	30.00	sqm			
	Sub-Total					
5	FLOORING					
5.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.					
5.1.1	40 mm thick with 20 mm nominal size stone aggregate	20.00	sqm			
	Sub-Total					
6	FINISHING					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
6.1	12 mm cement plaster of mix :					
6.1.1	1:6 (1 cement: 6 fine sand)	150.00	sqm			
6.2	15 mm cement plaster on the rough side of single or half brick wall of mix :					
6.2.1	1:6 (1 cement: 6 fine sand)	210.00	sqm			
6.3	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :					
6.3.1	Water thinnable cement primer	500.00	sqm			
6.4	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :					
6.4.1	Two or more coats on new work	500.00	sqm			
	Sub-Total					
7	REPAIRS TO BUILDINGS					
7.1	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground.					
7.1.1	For door/ window/ clerestory window	2.50	sqm			
7.2	White washing with lime to give an even shade :					
7.2.1	Old work (one or more coats)	590.00	sqm			
7.3	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
7.3.1	One or more coats on old work	950.00	sqm			
7.4	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					
7.4.1	One or more coats on old work	220.00	sqm			
7.5	French spirit polishing :					
7.5.1	One or more coats on old work	40.00	sqm			
	Sub-Total					
8	DISMANTLING & DEMOLISHING					
8.1	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.					
8.1.1	In cement mortar	0.50	cum			
	Sub-Total					
9	ALUMINIUM WORK					
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 5.0 mm thickness	30.00	sqm			
	Sub-Total					
10	NIT-T Local Items					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
10.1	Brick work with common burnt clay modular bricks of class designation 3.5 in superstructure above plinth level up to floor V level in all shapes and sizes in Cement Mortar 1:6	17.00	Cum			
10.2	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 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.	70.00	Sqm			
	Sub-Total					
	Total					

SIGNATURE OF CONTRACTOR

## SCHEDULE OF WORK

State Tamil Nadu

Branch NITT

Name of Work : Providing cycle and two wheeler parking facilities to Quarters gate entrance.

Division NITT

Sub-Division NITT

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.					
1.1	All kinds of soil.	17.00	cum			
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.	245.00	cum			
3	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	70.00	cum			
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
4.1	Two or more coats on new work	110.00	sqm			
5	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.	1,120.00	sqm			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
6	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).	13.00	cum			
7	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	245.00	cum			
	Total					

SIGNATURE OF CONTRACTOR

## SCHEDULE OF WORK

State Tamil Nadu

Branch NITT

Name of Work : Providing weldmesh fencing at the front side of Helipad premise.

Division NITT

Sub-Division NITT

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.					
1.1	All kinds of soil.	75.00	cum			
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
2.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	4.00	cum			
2.2	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	12.00	cum			
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
3.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	34.00	cum			
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					
4.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	9.00	cum			
5	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :					
5.1	cement mortar 1:4 (1 cement : 4 coarse sand)	70.00	sqm			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
6	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.					
6.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1,400.00	kg			
7	12 mm cement plaster of mix :					
7.1	1:6 (1 cement: 6 fine sand)	150.00	sqm			
8	15 mm cement plaster on the rough side of single or half brick wall of mix :					
8.1	1:6 (1 cement: 6 fine sand)	250.00	sqm			
9	Finishing walls with Acrylic Smooth exterior paint of required shade :					
9.1	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)	400.00	sqm			
10	Applying priming coat :					
10.1	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	300.00	sqm			
11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
11.1	Two or more coats on new work	335.00	sqm			
12	Providing and fixing weldmesh shutter with MS angle frame of size 25mm x 25mm x 6mm and MS weld mesh size 4" x 4" with necessary bolts and nuts etc complete.	300.00	sqm			
	Total					



## SCHEDULE OF WORK

Name of Work : Annual maintenance of lawns and gardens at Mechanical inner quadrangle, OPAL E Block, Lyceum Building, Guest House, Jasper Hostel  
In front of Physical Director Officer, GYM, In front of Civil Engineering Department, EEE and Chemical Engineering Department.

Name of the Agency :

Sl.No	Sub-Heads and Item of Work	Quantity	Unit	Rate (Rs)	Rate (In words)	Amount (Rs)
1.	Maintenance of Lawns and Plants in open court yard and frontage which includes watering, weeding, trimming of lawns, applications of fertilizers, pesticides, chemicals, nematicides, replacement of causalities and disposal of garden waste etc complete (water required for work will be arranged at designated point by the department at free of coat) Total Area of Lawns and plants is to be maintained 1,06,714.80 Sq.Mtrs for <b>One year period</b> as directed by the Engineer-in-charge.	1,06,714.80	Sq.Mtr's			

**Signature of Contractor**