

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015

ESTATE MAINTENANCE DEPARTMENT

NOTICE INVITING TENDERS NO: NITT/EMD//Civi works / 2014

**TENDER NOTIFICATION**

Ref: NITT/EMD/ CoW/Civil works / 14-15

Date.24.02.2015

The **Chief of works**, Estate Maintenance Department, NIT on behalf of The Director, NIT invites 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 10.03.2015**. The tender will be **opened at 3.30. P.M** on 10.03.2015 at Registrar Office, in the presence of tenders 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>
141	170	Providing kerb stones, rising of existing drains and providing roofing for balcony at 23 <sup>rd</sup> street.	4,91,484.50/-	9,900/-	10.03.2015	Rs.150/-
142	171	Major repair works to water tank at terrace in LAPIS Hostel (Total: 4 No's).	3,92,624.10/-	7,900/-	10.03.2015	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 of Rs 150/-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- /Chief of Works**

## SCHEDULE OF WORK

Name of Work: Providing Kerb stones, rising of existing drains and providing roofing for balcony at 23rd street

Sl.No	Sub-Heads and Item of Work	Quantity	Unit	Rate (Rs)	Rate (In words)	Amount (Rs)
1.	EARTH WORK					
1.1	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.					
1.1.1.	All kinds of soil.	20.00	Cum			
1.2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	2.00	Cum			
1.3	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.					
1.3.1	Single rubber stopper	320.00	100 Sqm			

2	CONCRETE WORK					
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)	3.50	Cum			
3	REINFORCED CEMENT CONCRETE					
3.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
3.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1.00	Cum			
3.2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
3.2.1	Mild steel and Medium Tensile steel bars	100.00	Kilogram			
4	BRICK WORK					
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					

4.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	21.00	Cum			
5	STEEL WORK					
5.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1680.00	kg			
6	FLOORING					
6.1	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.					
6.1.1	40 mm thick with 20 mm nominal size stone aggregate	26.00	sqm			
7	ROOFING					
7.1	Providing and fixing precoatedgalvanised 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	160.00	sqm			

	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.					
8	FINISHING					
8.1	12 mm cement plaster of mix :					
8.1.1	1:4 (1 cement: 4 fine sand)	145.00	sqm			
8.2	Finishing walls with Acrylic Smooth exterior paint of required shade :					
8.2.1	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)	140.00	sqm			
8.3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
8.3.1	Two or more coats on new work	51.00	Sqm			
9	DISMANTLING & DEMOLISHING					
9.1	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.	25.00	Cum			

10	ROAD WORK					
10.1	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).	10.00	Cum			
11.	NIT MARKET RATE					
11.1	Labour charges for removing and re-fixing the existing RCC Cover slabs for existing drains for an length of 160mtr etc., complete as directed by the engineer in charge.	1.00	Jib			
11.2	Providing and fixing of CI grating of size 15cmx15cm of approved quality as per the direction of the Engineer-in-charge	20.00	Each			
						TOTAL

Signature of Contractor

## SCHEDULE OF WORK

**Name of Work:** Major repair works to water tank at terrace in LAPIS Hostel (Total : 4 No's).

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
1.1	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	10.00	Cum			
2	Centering and shuttering including strutting, propping etc. and removal of form for :					
2.1	Suspended floors, roofs, landings, balconies and access platform	65.00	Sqm			
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
3.1	Cold twisted bars	1200.00	Kilogram			

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 1:4 (1 cement : 4 coarse sand)	21.00	Cum			
5.	12 mm cement plaster of mix :					
5.1	1:4 (1 cement: 4 fine sand)	55.00	Sqm			
6.	15 mm cement plaster on the rough side of single or half brick wall of mix :					
6.1	1:4 (1 cement: 4 fine sand)	80.00	Sqm			
7	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	7.00	Cum			
8.	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	In cement mortar	16.00	Cum			
9.	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.	23.00	Cum			
10.	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.					
10.1	40 mm nominal outer dia Pipes	15.00	Metre			
10.2	50 mm nominal outer dia Pipes	20.00	Metre			
11	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					

11.1	50 mm nominal bore	2.00	Each			
11.2	65 mm nominal bore	2.00	Each			
12	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality					
12.1	L D- 2.5					
12.1.1	Rectangular shape 600x450 mm internal dimensions	8.00	Each			
						<b>TOTAL</b>

Signature of Contractor.

