



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015
ESTATE MAINTENANCE DEPARTMENT

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

TENDER NOTIFICATION

Ref: NITT/EMD/ COW/Civil works / 14

Date.3.4..14

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 22.4.2014**. The tender will be opened at 3.00. p.m of Registrar **office**.

Enq No.	Est Id. No	Name of work	Estimate cost Rs.	Earnest Money Rs	Last date for issue of tender schedule	Last date for Submission of the tenders	Tender cost
1	1	Generating documents on Standard Measurements to Institute building, Hostels and Quarters in National Institute of Technology	--	---	21.4 .14	22.4.14	Rs.575/-
1a	1a	Construction of periphery wall for harvesting solar energy near Trec-Step boundary.	9,20,827/-	18,500/-	21.4 .14	22.4.14	Rs.575/-
2	2	Providing and fixing of mosquito net to windows in ruby and emerald Hostels.	7,07,940/-	14,200/-	21.4 .14	22.4.14	Rs.575/-
3	3	Providing weld mesh shutter and gate arrangements to periphery wall of harvesting solar Energy near Trec-step boundary.	6,21,525/--	12,500/--	21.4 .14	22.4.14	Rs.575/-

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 Earnest money should be deposited along tender schedule in the form of demand draft of any Nationalized bank / scheduled bank drawn in favor of "The Director, NIT, Trichy-15".

Chief of Works

SCHEDULE OF WORK

Name of Work: Construction of periphery wall for harvesting solar energy near TREC-STEP boundary.

Sl.No	Description 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.	170.00	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)	9.00	Cum			
2.2	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	28.00	Cum			

3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in foundation and plinth in:					
3.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	75.00	Cum			
4	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 :					
4.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	20.00	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)	150.00	Sqm			
6	12 mm cement plaster of mix :					
6.1	1:6 (1 cement: 6 fine sand)	330.00	Sqm			

7	15 mm cement plaster on the rough side of single or half brick wall of mix					
7.1	1:6 (1 cement: 6 fine sand)	590.00	Sqm			
8	Finishing walls with Acrylic Smooth exterior paint of required shade :					
8.1	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)	920.00	Sqm			
	Total					

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Chief of Works
Estate Maintenance Department

SCHEDULE OF WORK

Name of Work: Providing and Fixing of Mosquito Net to windows in RUBY and EMERALD Hostels.

Sl.No	Description of Work	Quantity	Unit	Rate (Rs)	Rate (In words)	Amount (Rs)
1	Providing and Fixing of Mosquito Net with 20mm width powder coated aluminum frame. The frame shall be two vertical and three horizontal. The mesh made of stainless steel materials and frame operated with mini plastics hinges and with plastics stopper for 3 sides etc complete. The rate including cost of all materials and labour charges etc complete.	540.00	Sqm			
	Total					

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Chief of Works
Estate Maintenance Department

SCHEDULE OF WORK

Name of Work: Providing weld mesh shutter and gate arrangements to periphery wall for harvesting solar energy near TREC-STEP boundary.

Sl.No	Description of Work	Quantity	Unit	Rate (Rs)	Rate (In words)	Amount (Rs)
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.					
1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	450.00	Kg			
2	Applying priming coat :					
2.1	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanized iron/ steel works	600.00	Sqm			
3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
3.1	Two or more coats on new work	600.00	Sqm			

4	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.	600.00	Sqm			
	Total					

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Chief of Works
Estate Maintenance Department

Standard measurement for buildings in NITT

National Institute of Technology, Tiruchirappalli (Formerly REC Trichy) is a premier engineering and management institute offering valuable education to nearly 6000 students.

The campus is in 780 acres with Institute buildings, Hostel buildings, Quarters and public utility and infrastructure buildings. Plinth area of each building is appended. The campus has an exclusive compound wall around.

Few core buildings have been constructed in the initial stages and more and more buildings have been added recently.

For each type of structure, **a standard measurement has to be generated** for record and future references.

The document is a prime basic input based on which payment to contractors for the work done will be recommended and hence the input should be accurate.

(a) The scope covers :

- 1.The agency shall have to identify the location of measurement without and ambiguity (Room.No, name of the room etc) and distinguish clearly the application exist viz distemper or emulsion or enamel.
- 2.The total plan of each floor shall have to be submitted indicating the location & size of doors/windows/ward robes and type of such facilities. (Aluminum/wood/PVC/steel etc).
- 3.The abstract statement for each building showing the quantum of specific application, doors/windows, sanitary fittings like water closet, wash basin, urinal etc – all floor wise.
- 4.Autocadd generated line sketch showing elevation of the building with measurements to correlate the measurements recorded for the external application.
- 5.The measurements shall be in PDF format as soft copy in CD and hard copy. Three sets in each need to be given to NITT.
- 6.The location drawing and its boundary with the water supply, sewerage lines and water holding tanks.

The contract period is 5 months. Time is the essence of contract and the contractor should ensure completion of work within the contract period. Failing, the balance work will be done at their risk and cost.

Periodical review of the progress will be monitored once in 15 days. The contractor shall demonstrate consistent progress at the end of each 15 days.

(b) Measurements

1.The contractor has to quote his cost of service on plinth area basis. The payment to be made shall be on the plinth area of each floor of particular building jointly measured and recorded.

2.The measurements for the recently constructed/completed building by CPWD recorded in their MB may be taken as the standard measurement and shall be formatted for ready reference. For such building the payment will be 50 percent of rate quoted.

(c) General

- 1.This being similar to consultancy service, no tender cost & EMD.
- 2.Security regulations and safety rules and norms prevailing in NITT have to be strictly followed.
- 3.Smooth and amicable coordination is essential during interaction and in the process of collecting details.
4. Inconvenience to inmates shall be minimum and prior permission has to be obtained from the building caretaker for entering the premises.
- 5.The rate quoted shall be firm till the completion of the contract in all respects. Any statutory payment made by the contractor for this contract will be reimbursed by NITT on production of valid document.

BILL OF MATERIALS.

Sl. No	Area (Approximately)	Description	Rate	Per Sqm (on plinth area)	Amount
1.	98208.61 Sqm	Collection of details from various buildings and generating document			
2.	152442.36 Sqm	Input collected from CPWD for the buildings constructed by them and generating document.			
Total					