

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.20.02.2015

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 27.02.2015**. The tender will be **opened at 3.30. P.M** on 27.02.2015 at Registrar Office, in the presence of tenders who choose to present.

Enq No.	Est Id. No	Name of work	Estimate cost Rs.	Earnest Money Rs	Last date for Submission of the tenders	Tender cost
24.1	167	Supplying and fixing of Door closer for Faculty and laboratory rooms in the Institute.	7,61,965/-	15,300/-	27.02.2015	Rs.150/-
24.2	168	Providing and fixing of Sintax water tanks (1000 litre capacity) and laying of PVC pipe lines with necessary fittings for each quarters at 18 th & 19 th street (Total – 36 qts).	5,11,212/-	10,300/-	27.02.2015	Rs.150/-
24.3	169	C/o storm water drain with culvert from Emerald hostel to Hospital drain.	9,49,986/-	19,000/-	27.02.2015	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/. 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: Supplying and fixing of Door closer for faculty and laboratory rooms in the Institute.

Sl.No	Sub-Heads and Item of Work	Quantity	Unit	Rate (Rs)	Rate (In words)	Amount (Rs)
1.	WOOD AND P.V.C. WORK					
1.1	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured)					
1.1.1.	Rectangular or square	10.00	Sqm			
1.2	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 up to 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 .	300.00	Each			
1.3	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.					
1.3.1	Single rubber stopper	300.00	Each			

2	ALUMINIUM WORK					
2.1	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) :					
2.1.1	For fixed portion					
2.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	280.00	Kg			
2.1.2	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)					

2.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	365.00	Kg			
2.2	Providing and fixing 12 mm thick prelaminated 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.					
2.2.1	Pre-laminated particle board with decorative lamination on both sides as required.	45.00	Sqm			
2.3	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):					
2.3.1	With float glass panes of 4.0 mm thickness	10.00	Sqm			

2.3.2	With float glass panes of 5.50 mm thickness	50.00	Sqm			
	TOTAL					

Signature of Contractor

SCHEDULE OF WORK

Name of Work: Providing and fixing of Sintax water tanks (1000litre capacity) and laying of PVC pipe lines with necessary fittings for each quarters at 18th & 19th street
(Total=36 qts)

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	FINISHING					
1.1	12 mm cement plaster of mix :					
1.1.1	1:4 (1 cement: 4 fine sand)	62	Sqm			
	WATER SUPPLY					
	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :					
2.1.1	25 to 40 mm nominal bore	5	each			
2.2	Providing and fixing brass stop cock of approved quality :					
2.2.1	20 mm nominal bore	36	each			

2.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
2.3.1	25 mm nominal bore	36	each			
2.4	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :					
2.4.1	20 mm nominal bore	36	each			
2.4.2	25 mm nominal bore	36	each			
2.5	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	36000	per litre			
2.6	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./					

	H.P.H.D. plastic ball.					
2.6.1	20 mm nominal bore, 120 mm long, weighing not less than 198 gms	36	each			
3	NIT MARKET RATE					
3.1	<p>Earth work excavation & depositing on bank with initial lead of 10m and lift of 2min all classes by soil in narrow trenches for pipe laying work including cost & conveyance of PVC rigid pipes (True Bore / Jain pipes) and specials and lowering in to trenches and laying to proper grade and alignment & jointing with PVC couplers with jointing materials and testing to the required pressure including conveyance of water for filling during testing and refilling the trenches with excavated earth on completion of work</p> <p>For depth up to 2m</p> <p>External work : 63mm OD PVC 6KSC Pipes</p>	200	Mtr			
3.2	<p>Providing and fixing of 32mm dia Unplasticised PVC pipes (Avonplast Make) including all fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step UPVC solvent cement and testing of joints complete as per the direction of Engineer - in- charge</p>	435	Mtr			
3.3	<p>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 :</p> <p>Cement mortar 1:4 (1 cement : 4 coarse sand)</p>	5.5	Cum			

3.4	Providing and fixing of 20mm OD PVC pipe (15kg/cm ²) with fittings and clamps, i/c cutting and making good the walls etc.	180	Mtr			
3.5	Providing and fixing of PVC Saddle piece including jointing etc complete a) 63 x 32 mm dia PVC Saddle piece	36	Each			
	TOTAL					

Signature of Contractor

. SCHEDULE OF WORK

Name of Work: C/o Storm water drain with culvert from Emerald Hostel to Hospital drain.

Sl.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.	910.00	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.	15.00	Cum			
3	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.					
3.1	All kinds of soil	435.00	100 Sqm			

4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level					
4.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	18.00	Cum			
5	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 :					
5.1	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	17.00	Cum			
6	Centering and shuttering including strutting, propping etc. and removal of form for :					
6.1	Suspended floors, roofs, landings, balconies and access platform	55.00	Sqm			

7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
7.1	Cold twisted bars	2000.00	Kg			
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
8.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	6.00	Cum			
9	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :					
9.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	29.00	Cum			

10	12 mm cement plaster of mix :					
10.1	1:6 (1 cement: 6 fine sand)	50.00	Sqm			
11	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) :					
11.1	Flush/ Ruled pointing	550.00	Sqm			
12	Finishing walls with Acrylic Smooth exterior paint of required shade :					
12.1	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)	50.00	Sqm			
13	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	550.00	Sqm			
TOTAL						