



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015
ESTATE MAINTENANCE DEPARTMENT

NOTICE INVITING TENDERS NO: NITT/EMD//Civil works / 2015

TENDER NOTIFICATION

Ref: NITT/EMD/ CoW/Civil Works /15-16

Date.28.05.2015.

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 11.06.2015**. The tender will be **opened at 3.30. P.M on 11.06.2015** 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
10	19	Erection of submersible pump sets, Laying of pipe lines and fixing of valves for STP in Hostels & Quarters site.	2,36,378/-	4800/-	11.06.2015	Rs.150/-
11	20	Providing and laying of 75mm & 50mm OD PVC line for distribution of STP (QUARTERS ZONE) water from Existing OHT to 21st 22 & 23rd Street.	4,93,687/-	9900	11.06.2015	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 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”**

Chief of Works

SCHEDULE OF WORK

Name of Work: Erection of submersible pump sets, laying of pipe lines and Fixing of valves for STP in Hostel & Quarters site.

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	WATER SUPPLY					
1.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
1.1.1	25 mm dia nominal bore	10	metre			
1.2	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.					
1.2.1	50 mm dia nominal bore	25	metre			
1.2.2	80 mm dia nominal bore	30	metre			
1.3	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 :					
1.3.1	50 to 80 mm nominal bore	2	each			

1.4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
1.4.1	50 mm nominal bore	5	each			
1.4.2	80 mm nominal bore	2	each			
1.5	Providing and fixing gun metal non- return valve of approved quality (screwed end) :					
1.5.1	50 mm nominal bore					
1.5.1.1	Horizontal	5	each			
1.5.2	80 mm nominal bore					
1.5.2.1	Horizontal	3	each			
1.6	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :					
1.6.1	100 mm diameter					
1.6.1.1	Class I	3	each			

1.7	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :					
1.7.1	25 mm nominal bore	2	each			
1.7.2	50 mm nominal bore	2	each			
1.7.3	80 mm nominal bore	2	each			
2	NIT MARKET RATE					
2.1	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 For depth up to 2m External work : 63mm OD PVC 6KSC Pipes	90	Mtr			

2.2	Cost and supply of 4.00 sq.mm PVC insulated and sheathed 3core flat type copper cable conforming to I.S.694/1990	125	Mtr			
2.3	Cost and supply of 20mm nylon rope for support to the HDPE Pipe for submersible pumpset etc., complete	75	Mtr			
2.4	Labour charges for erection & fixing of 3HP submersible motor including charges for disconnecting the power supply, lifting and removing the submersible pump set from the existing STP Sump etc., complete as directed by the Engineer in charge	3	each			
2.5	Labour charges for erection & fixing of 10 HP submersible motor including charges for disconnecting the power supply, lifting and removing the submersible pump set from the existing STP Sump etc., complete as directed by the Engineer in charge	3	each			
2.6	Towards the Labour charges for erection of 5 HP submersible motor including charges for disconnecting the power supply, removing and lifting the submersible pump set from the existing open well near Megamesh-II etc., complete as directed by the Engineer in charge	1	Each			
2.7	Towards the Labour charges for erection of 1.5 HP submersible motor including charges for disconnecting the power supply, lifting and removing the submersible pump set from the existing borewell up to depth of 200 feet etc., complete as directed by the Engineer in charge	1	Each			

2.8	Providing and fixing of hand pump including charges for erection of pipes with necessary fittings and conveyance etc., and laying of cement concrete platform around the bore well as directed by the Engineer-in charge	1	Job			
2.9	Supply and fixing of 18" x10" size Boards in on 5mm MS sheet with 12mm MS rod 3' height and enamel painting and lettering to board including supply, transporting and fixing in places as directed by the Engineer-in charge	100	Each			
2.10	Towards charges for fixing of Single Air valve of size 110mm dia to the pumping main at Quarters STP and including the labour charges for fixing the Air valve with necessary PVC fittings and conveyance etc complete as directed by the Engineer-in charge	3	Job			
	TOTAL					

Signature of Contractor

SCHEDULE OF WORK

Name of Work: Providing and laying of 75mm & 50mm OD PVC line for distribution of STP (QUARTERS ZONE) water from Existing OHT to 21st,22nd & 23rd street.

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	CONCRETE WORK					
1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
1.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	4	cum			
2	REINFORCED CEMENT CONCRETE					
2.1	Centering and shuttering including strutting, propping etc. and removal of form for :					
2.1.1	Foundations, footings, bases of columns, etc. for mass concrete	25	sqm			
2.2	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in vertical & horizontal fins, individually or forming box louvers, setting in cement mortar 1:2 (1 cement : 2 coarse sand), including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	0.6	cum			

2.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.					
2.3.1	Thermo-Mechanically Treated bars	60	kilogram			
3	ROAD WORK					
3.1	Supplying and stacking at site.					
3.1.1	Good earth	60	cum			
4	WATER SUPPLY					
4.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
4.1.1	25 mm dia nominal bore	20	metre			
4.2	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 :					
4.2.1	50 to 80 mm nominal bore	5	each			
4.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
4.3.1	50 mm nominal bore	10	each			

5	NIT MARKET RATE					
5.1	Hire charges for engaging earth moving equipment for uprooting the thorny bushes etc., complete	15	Hr			
5.2	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2m in 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 refilling the trenches with excavated earth on completion of work For depth up to 2m / External work : 75mm OD PVC 6KSC Pipes	935	Mtr			
5.3	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2m in 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 refilling the trenches with excavated earth on completion of work For depth up to 2m / External work : 50mm OD PVC 6KSC Pipes	300	Mtr			
5.4	Providing and fixing of PVC Saddle piece of size 75 x 32 mm dia including jointing etc complete as directed by the Engineer -in - charge	5	Each			

5.5	Supplying and fixing of PVC Saddle Piece of size 50mmx32mm including cost & conveyance as directed by the Engineer -in -charge	5	each			
5.6	Providing and fixing of 75mm dia PVC Tee including jointing etc complete as directed by the Engineer -in -charge	5	each			
5.7	Providing and fixing of 50mm dia PVC Tee including jointing etc complete as directed by the Engineer -in -charge	5	each			
5.8	Supplying and fixing 75 mm dia PVC Half Turn valve of approved quality: cost & conveyance as directed by the Engineer -in -charge	10	each			
5.9	Supplying and Fixing of 75mm x 110mm PVC Door 'Tee' including cost & conveyance of pipe to the site of work	4	each			
5.10	Supplying and Fixing of 110mm PVC bend including cost & conveyance of pipe to the site of work	3	each			
						TOTAL

Signature of Contractor