



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015
ESTATE MAINTENANCE DEPARTMENT

Web site : www.nitt.edu

Ref: NITT/EM//Civil Works /No- / 12-13

Date:19.11.2013

The Chief of works, Estate Maintenance Department , NIT,Trichirappalli- 620 015 invites on behalf of The Director, NIT,Trichirappalli--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** at his Office at National Institute of technology, Trichirappalli--15 up to **3.00 p.m on 26.11.2013**. The tender will be opened in the office of the Registrar.

Details

Enq No.	Est Id. No.	Name of work & Location	Estimate cost put to tender (Rs)	Earnest Money (Rs)	Tender cost (Rs)	Last date and time of submission of Tender	Time and date of opening of tender
79	87	Special renovation works to vacant quarters 14/5,15/3,4,6,7,10,18,28,49 in 16 th street, 17/13,18/4,19/1,18/N-2 and Hospital quarters.8 (Total =14 Quarters).	9,23,517/-	18,500 /-	575/-	Up to 2.00 PM on 26.11.2013	At 3.30 PM on 26.11.2013
80	88	Providing and fixing trilingual Alcopanel with titanium sheet letter name board to Civil,Mechanical,CSE,production,MME,ECE,Chemical,EEE departments,ADM Block and NIT main entrance.	9,16,032/-	18,400 /-	575/-	Up to 2.00 PM on 26.11.2013	At 3.30 PM on 26.11.2013
81	89	Providing Two wheeler & Four wheeler shed to staff quarters. (Qtrs.No.9/11, 16/2, 16/5, 16/35, 17/1,17/2,17/13-16, 16/35,17/17-20, 7/9, 13-A/8 Total : 16 Nos) and removing and re fixing new galvalume roof sheet 7/8,10/5 and 16/40.	9,40,016/-	18,800 /-	575/-	Up to 2.00 PM on 26.11.2013	At 3.30 PM on 26.11.2013

The tender should accompany, Earnest Money Deposit and Tender cost as detailed above through two different Demand Drafts payable at State Bank of India, NITT Branch in favor of The Director, National Institute of Technology, Trichy-15. This earnest money will be refunded to the unsuccessful tenderer or rejection of the tender or at the expiry of two months from date of tender, whichever is earlier. The earnest money will be retained in the case of the successful tenderer and will not carry any interest.

Tender must be submitted in sealed covers and should be addressed to The Director, National Institute of Technology, Trichirappalli-15 and the name of the tenderer, name of the work and Ref.No. being noted on the cover.

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Chief of Works/EMD

Copy submitted to : The Director, NIT for kind information
NITT web site Details of tender may be seen at web [http : www.nit.edu](http://www.nit.edu).
Estate maintenance Department Notice board

SCHEDULE

Name of Work : Providing and fixing Trilanguage Alcopannel with titanium sheet letter name board to Civil, Mechanical, CSE, production, MME, ECE, Chemical, EEE departments, ADM Block and NIT main entrance.

Sl.No	Description of Work	Quantity	Unit	Rate (Rs)	Rate (In Words)	Amount (Rs)
1.	providing and Fixing of trilanguage Alcho Panel name board of colour : Moderate Purple with Titanium sheet letter with Tamil letter height 6.25"(font type :Sentamil),Hindi letter height 6.75"(font type : Yogesh) and English letter height 6.75"(font type : swics). The leg of board consists anti corrosive oil pipe with ACP sheet folding (The number of leg is required as per site condition).The footing of pipe is 0.30m x 0.30m x0.60m with plain cement concrete.The rate including cost of all materials and labour charges etc as per the direction of Engineer-in-charge.					
1.1	(a) Civil Engineering board of size : 3.00m x 0.975m	2.92	Sqm			
1.2	(b) Mechanical Engineering board of size : 3.70m x 0.975m	3.60	Sqm			
1.3	(c) Computer Science Engineering board of size : 5.00m x 0.975m	4.87	Sqm			
1.4	(d) Production Engineering board of size : 4.00m x 0.975m	3.90	Sqm			
1.5	(e) Metallurgical & Materials Engineering board of size : 5.00m x 0.975m	4.87	Sqm			

1.6	(f) Electronic & Communication Engineering board of size : 5.00m x 0.975m	4.87	Sqm			
1.7	(g) Chemical Engineering board of size : 3.30m x 0.975m	3.21	Sqm			
1.8	(h) Administrative block board of size : 3.30m x 0.975m	3.21	Sqm			
1.9	(i) Electrical & Electronics Engineering board of size : 5.00m x 0.975m	4.87	Sqm			
2	Providing and Fixing of trilingual Alcho Panel name board of colour : Moderate Purple with Titanium sheet letter with Tamil letter height 6.25"(font type :Sentamil),Hindi letter height 6.75"(font type : Yogesh) and English letter height 6.75"(font type : swics).The rate including cost of all materials and labour charges etc as per the direction of Engineer-in-charge.	4.32	Sqm			

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Chief of Works

SCHEDULE

Name of Work : **Providing Two wheeler & Four wheeler shed to staff quarters. (Qtrs.No.9/11, 16/2, 16/5, 16/35, 17/1,17/2,17/13-16, 16/35,17/17-20, 7/9, 13-A/8 Total : 16 Nos) and removing and re fixing new galvalume roof sheet 7/8,10/5 and 16/40.**

Sl.No	Description of Work	Quantity	Unit	Rate (Rs)	Rate (In Words)	Amount (Rs)
1. 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. All kinds of soil.	40	Cum			
2	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	33	Cum			
3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :					
3.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	9	Cum			
3.2	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	30	Cum			
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
4.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	19	Cum			
5	Steel work in built up tubular (round, square or rectangular hollow tubes etc.)					

	trusses etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					
5.1	Hot finished welded type tubes	2800	Kg			
6	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	40 mm thick with 20 mm nominal size stone aggregate	420	Sqm			
7	Providing and fixing pre-coated galvanised 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 gsm 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 while 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 of size (5.5x 55mm) 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.	400	Sqm			

8	12 mm cement plaster of mix :					
8.1	1:6 (1 cement : 6 fine sand)	100	Sqm			
9 9.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	40	Sqm			

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Chief of Works

SCHEDULE

Name of Contractor :

Name of Work : Special renovation works to Vacant Qts.14/5,15/3,4,6,7,10,18,28,49 in 16th Street, 17/13, 18/4, 19/1,18N-2 & Hospital qts.8 (Total= 14 Quarters)

Sl.No	Description of Work	Quantity	Unit	Rate (Rs)	Rate (In Words)	Amount (Rs)
1.	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).	1.00	Sq.m			
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
2.1	Mild steel and Medium Tensile steel bars	78.00	Kg			
3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :					
3.1	cement mortar 1:4 (1 cement : 4 coarse sand)	20.00	Sq.m			
4	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	100.00	mtr			
5	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).					
5.1	Second class teak wood	0.20	cum			

6	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.					
6.1	Second class teak wood					
6.1.1	30 mm thick shutters	4.00	Sq.m			
7	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					
7.1	250x10 mm.	20.00	each			
7.1.1	150x10 mm	20.00	each			
8	Providing and fixing to existing door frames.					
8.1	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	15.00	sqm			

9	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.	50.00	mtr			
10	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.					
10.1	40 mm thick with 20 mm nominal size stone aggregate	130.00	sqm			
11	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	18.00	sqm			
12	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :					
12.1	Water thinnable cement primer	1600.00	sqm			
13	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and					

	under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead :					
13.1	With cement mortar 1:4 (1 cement : 4 fine sand)	50.00	sqm			
14	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:					
14.1	Float glass panes of thickness 4 mm	5.00	sqm			
15	White washing with lime to give an even shade :					
15.1	Old work (one or more coats)	335.00	sqm			
16	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					
16.1	One or more coats on old work	590.00	sqm			
17	Distempering with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.					
17.1	One or more coats on old work	3530.00	sqm			
18	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :					
18.1	Kitchen sink with drain board					
18.1.1	510x1040 mm bowl depth 178 mm	8.00	each			
19	Providing and fixing brass bib cock of approved quality :					
19.1	15 mm nominal bore	40.00	each			
20	Providing and fixing of single side polished cuddapah slabs for kitchen platforms over 20mm thick base in cm 1:4 (1cement : 4sand) with joints treated walls	8.00	Sqm			

	cement mortar mixing with pigment as per the direction of Engineer-in-charge. For 25mm to 40mm thick					
21	Providing and fixing of 75mm dia (Finolex or Avonplast- 6kg/cm ²) Unplasticised Rigid PVC soil pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes	20.00	Mtr			
22	Providing and fixing of 110mm dia (Finolex or Avonplast- 6kg/cm ²) Unplasticised Rigid PVC soil pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes	20.00	Mtr			
23	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 75 mm dia PVC plain elbow (Finolex or equivalent make)	3.00	each			
24	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 75 mm dia PVC Door elbow (Finolex or equivalent make)	3.00	each			
25	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 110 mm dia PVC plain elbow (Finolex or equivalent make)	3.00	each			
26	Providing and fixing on wall face Unplasticised - PVC moulded fittings/	3.00	each			

	accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion a) 110 mm dia PVC Door elbow (Finolex or equivalent make)					
27	Removing and refixing door shutters up to 0.90mx2.10m size including planing the top and bottom face up to 10mm including fixing with stainless steel screws etc., complete as directed by the Engineer -in -charge.(Cost of new hinges shall be paid separately wherever required)	15.00	each			
28	Providing and laying rectified Glazed Ceramic floor tiles of size 380x380 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622,Kajaria /NITCO or equivalent make, in all colours and shade,in skirting,riser of steps,laid on cement based high polymer modified quick-set tile adhesive (water based) conforming to IS:15477,USING 10Kg. adhesive per Sqm of tile area,in average 6mm thickness instead of 12mm thick Cement Mortar 1:3 (1 Cement : 3 Coarse sand), bedding in laying of wall Tiles etc., complete.	450.00	sqm			
	TOTAL					

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Chief of Works