



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 620 015

ESTATE MAINTENANCE DEPARTMENT

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

TENDER NOTIFICATION

Ref: NIT-T/EMD/ CoW/Civil Works / 2015

Date.27.07.2015

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 05.08.2015**. The tender will be opened at 3.30. p.m of Registrar Office.

| En.No | Est. Id No | Name of work | Estimate Cost Rs. | E.M.D Rs. | Last Date for submission of tenders | Tender cost |
|-------|------------|--|-------------------|-----------|-------------------------------------|-------------|
| 20 | 54 | Renovation of faculty rooms in ADM Block and gas room at OJAS for Mech Engg. Dept. | 1,73,897/- | 3,500/- | 05.08.2015 | 150/- |
| 21 | 55 | Providing brick wall with sand filling to new children park at 16 th street | 4,79,418/- | 9,600/- | 05.08.2015 | 150/- |

Tender details in this regard may also be seen in the Notice board of office of the Estate office, Estate Maintenance Department, NIT, Trichy -15 during office hours on any working days.

The tender document can be downloaded from the Institute Web Site www.nitt.edu/home/others/tenders/. The tender cost and Earnest money should be enclosed along with tender schedule in the form of separate Demand Draft of any Nationalized bank Drawn in favour of **“The Director, NIT,Trichy – 15**.

- Sd -
Chief of Works

NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620015
DEPARTMENT OF ESTATE MAINTRNANCE

TENDER DOCUMENT

N/W : Renovation of faculty rooms in ADM block and gas room at OJAS for Mech. Engineering Department

Ref : NITT/EMD/CoW/Civil Works/En. No.20(54)/dated 27.07.2015

Due On 05.08.2015

Name of the Agency :

| ITEM No | SUB-HEADS AND ITEM OF WORK | QUANTITY | UNIT | RATE (Rs) | RATE (In Words) | AMOUNT(Rs) |
|---------|---|----------|------|-----------|-----------------|------------|
| 1.1 | Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete. | 1.70 | cum | | | |
| 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 : | 1.70 | Cum | | | |
| 2.1.1 | 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) | | | | | |
| 3.1 | Half brick masonry 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. | 15.00 | Sqm | | | |
| 3.1.1 | Cement mortar 1:4 (1 cement :4 coarse sand) | | | | | |
| 4.1 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. | 190.00 | Kg | | | |

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|-------|--|--------------|------------|--|--|--|
| 5.1 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. | 4.00 | sqm | | | |
| 5.1.1 | Size of Tile 600x600 mm | | | | | |
| 5.2 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). | 41.00 | Sqm | | | |
| 5.2.1 | Size of Tile 600x600 mm | | | | | |
| 5.3 | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. | 41.00 | Sqm | | | |
| 5.3.1 | Size of Tile 600x600 mm | | | | | |

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|-------|--|--------------|------------|--|--|--|
| 6.1 | <p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p> | 16.00 | sqm | | | |
| 6.1.1 | 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I | | | | | |
| 6.2 | Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated | 16.00 | Sqm | | | |

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|-------|--|---------------|------------|--|--|--|
| | 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 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. | | | | | |
| 7.1 | 15 mm cement plaster on the rough side of single or half brick wall of mix : | 15.00 | sqm | | | |
| 7.1.1 | 1:6 (1 cement: 6 fine sand) | | | | | |
| 8.1 | White washing with lime to give an even shade : | 145.00 | sqm | | | |
| 8.1.1 | One or more coats on old work | | | | | |
| 8.2 | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : | 170.00 | sqm | | | |
| 8.2.1 | Two more coats on new work | | | | | |
| 8.3 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : | 320.00 | sqm | | | |
| 8.3.1 | One or more coats on old work | | | | | |

SIGNATURE OF CONTRACTOR

NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620015
DEPARTMENT OF ESTATE MAINTRNANCE

TENDER DOCUMENT

N/W : Providing brick wall with sand filling to new children park at 16th street

Ref : NITT/EMD/CoW/Civil Works/En. No.21(55)/dated 27.07.2015

Due On 05.08.2015

Name of the Agency :

| ITEM No | SUB-HEADS AND ITEM OF WORK | QUANTITY | UNIT | RATE (Rs) | RATE (In Words) | AMOUNT(Rs) |
|---------|--|----------|------|-----------|-----------------|------------|
| 1.0 | 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. | 22.00 | Cum | | | |
| 1.1 | All kinds of soil | | | | | |
| 2.0 | Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete. | 330.00 | cum | | | |
| 3.1 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: | 18.00 | Cum | | | |
| 3.1.1 | Cement mortar 1:6 (1 cement :6 coarse sand) | | | | | |
| | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy | 7.00 | Sqm | | | |

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|---------|--|---------------|--------------|--|--|--|
| | touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. | | | | | |
| 4.1.1 | Granite of any colour and shade | | | | | |
| 4.1.1.1 | Area of slab upto 0.50 sqm | | | | | |
| 5.1 | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. | 40.00 | Meter | | | |
| 5.1.1 | Granite work | | | | | |
| 6.1 | 12 mm cement plaster of mix : | 170.00 | Sqm | | | |
| 6.1.1 | 1:6 (1 cement: 6 fine sand) | | | | | |
| 7.1 | Finishing walls with Acrylic Smooth exterior paint of required shade : | 170.00 | Sqm | | | |
| 7.1.1 | 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) | | | | | |

SIGNATURE OF CONTRACTOR