

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY

SI. No.03 Short Tender Notice No.102 (C&E)/2016-17

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| Sl. No. | Name of the Work :- | Addition and Alteration Work for Establishment of TB Contain mental Lab in Existing C& DST Lab of Microbiology Department, at IGIMS, Patna (For C.W.) |
| 1 | Estimated Cost (In Rs.) :- | 9,12,800.00 |
| 2 | Earnest Money (In Rs.) :- | Rs.18,500/- |
| 3 | Cost of B.O.Q. (In Rs.) :- | 1,250.00 |
| 4 | Time of completion :- (In Days) | 30 Days |
| 5 | Last Date, time & place for submission of tender- | 15/ 11/2016 up to 3:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier. |
| 6 | Date and time for opening of tender-(Technical Bid)- | 16/ 11/2016 at 3.30 PM in Conference Hall of IGIMS, Patna |
| 7 | Date & Time for opening of Price Bid of technically Suitable bidders. | 18/ 11/2016 at 3:30 PM in conference hall, IGIMS, Patna. |

| Sl. No. | Item Description | Unit | Qty. | RATE (In Rs.) |
|----------------|--|-------------|-------------|--------------------------|
| | Schedule Item CIVIL WORK | | | |
| 1 | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 Motor 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete. | Sqm. | 103.00 | 754.20 |
| 2 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete. 600x 600 | sqm | 77.00 | 1,671.90 |
| 3 | Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete. | kg | 100.00 | 91.50 |

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| 4 | Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt 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 for fixed portion and paneling to be paid for separately) | kg | 400.00 | 354.80 |
| 5 | Providing and fixing 4mm thick a.c.p of approved brand and manufacture in paneling fixed in aluminium doors, window shutters and partition frames, with C.P. brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge | sqm | 70.00 | 1,646.05 |
| 6 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/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.) With glass panes of 5.50 mm thickness (weight not less than 13.75 kg/sqm) | sqm | 10.00 | 1,013.20 |
| 7 | Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing \angle wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to center, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring \angle with :12.54.1 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending | sqm | 77.00 | 1,682.60 |
| 8 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work | Sqm. | 100.00 | 50.90 |
| 9 | Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete. | Sqm. | 75.00 | 76.80 |
| 10 | Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade. Old work (one or more coats) | sqm | 40.00 | 20.20 |
| 11 | Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer | Sqm. | 75.00 | 26.10 |

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| 12 | Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete | Sqm | 75.00 | 5.40 |
| 13 | Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. coplete | Each | 4.00 | 756.10 |
| 14 | Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc.complete: | | | |
| a | 150x10 mm | Each | 5.00 | 66.00 |
| b | 300x10 mm | Each | 5.00 | 114.10 |
| 15 | Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc.complete: 250x 16 mm | Each | 7.00 | 184.90 |
| 16 | Providing and fixing alluminium handles 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. complete125mm | Each | 14.00 | 71.00 |
| 17 | Providing and fixing alluminium hanging floor door stopper 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:Twin rubber stopper | Each | 7.00 | 82.70 |
| 18 | Providing and fixing 20mm thick mirror polished, machine cut for kitchen platforms, vanity counters facials and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement :4 coarse sand) with joints treated with white cement, mixed with matching pigment-epoxy touch ups. including rubbing, curing etx. complete at all lbevels.Granite blcking 8.2.6.3 Area of each slab over 0.2 sqm but upto 0.5 sqm Granite of any colour and shade. | sqm | 18.00 | 3,319.10 |
| 19 | Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer -in -charge | | | |
| a | Granite work | mtr. | 75.00 | 239.10 |
| 20 | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead | | | |
| a | With cement mortar 1:4(1 cement:4 coarse sand | sqm | 25.00 | 150.10 |
| 21 | Dismantling tile work floor and roofs laid in cement mortar including stacking meterial within 50 metres lead. | Sqm | 83.00 | 16.10 |
| 22 | Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to I.S. 2202 (part I). | | | |
| a | On one side in item no.9.21 | sqm | 20.00 | 428.20 |
| 23 | Providing designation 100 A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I, | sqm | 15.00 | 365.10 |
| 24 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level: | | | |
| a | 1:2:4(1 Cement:3 coarse sand: 6 graded stone aggregate 20mm nominal size) | cum | 1.50 | 3,323.10 |
| 25 | Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required | Each | 2.00 | 2,158.20 |

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| | :Size 450x300x150 mm | | | |
| 26 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the | | | |
| a | 20 mm nominal outer dia Pipes | metre | 30.00 | 269.60 |
| 27 | Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia. nominal bore. | each | 2.00 | 497.00 |
| 28 | Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm dia. nominal bore. | each | 2.00 | 670.70 |
| 29 | Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. | Each | 2.00 | 79.30 |
| 30 | Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole. | each | 2.00 | 61.80 |
| 31 | Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms | each | 2.00 | 165.60 |
| 32 | Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. | each | 2.00 | 189.40 |
| 33 | Providing and fixing on wall face unplasticised-PVC (working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm dia | rmt | 50.00 | 214.20 |
| 34 | Providing and fixing on wall face unplasticised-PVC (working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 75 mm dia | rmt | 30.00 | 127.40 |
| 35 | Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar (1:4) 1 cement: 4 coarse sand and making good the wall etc complete | | | |
| a | 110 mm | Each | 20.00 | 138.65 |
| b | 75 mm | Each | 20.00 | 119.80 |
| 36 | Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. | | | |
| A | Single pushfit coupler | | | |
| | 110 mm dia PVC | each | 5.00 | 181.20 |
| B | Single tee with door | | | |
| | 110 x110 x110 mm dia PVC | each | 4.00 | 315.90 |
| C | Single tee without door | | | |
| | 110 x110 x110 mm dia PVC | each | 6.00 | 265.50 |
| D | Band 87.5 | | | |
| | 110 mm dia PVC | each | 8.00 | 173.70 |

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| 37 | Carrage of the following material | | | |
| b | Sone Sand (45 km from Koelwar) | Cum | 3.00 | 690.74 |
| c | Stone Aggregate ,(156 Km From Domchch, Koderma | Cum | 1.42 | 2,018.10 |
| d | Bricks (7P+ 1K) | %o | 0.90 | 601.67 |
| d | Difference of Cost of Bricks | %o | 0.90 | 1,473.55 |
| f | Difference of Cost of Cement | tonn | 1.00 | 798.89 |
| | Non Schedule Item Rate Quoted By bidder | | | |
| 01 NSI | Supply & Making of wall panelling on wall as per design or making Cub -Board / Almirah/ Shelve with 12 & 19 mm green ply/ centuryply wood/block wood inclusive of Pasting wooden laminate 1.0mm one side of all area and ,Fixing all required fittings inclusing Hinge, Magnetic Catcher, handle Lock etc As per direction of Engineer In-charge. Measurement taken only laminated area. | Sqm | 22.00 | |
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Quoted Rates:

a- í í í í í í % above

b- í í í í í í % below

c- í í í í at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item (01 of NSI)

1- Issued to :.....

2- Full postal address :-

3- Earnest money deposited :-

4- Registration No. :-

5- Time of completion :-

Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna