

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORTURGENTTENDER NOTICE NO.-06 (Civil Work)/2019-20

| | | | | |
|----------------|--|--|-------------|-------------|
| Sl. No. | Name of the Work :- | Development for parking space in front of 33 KV sub-station, E-Type and D-Type quarter at IGIMS, Patna. | | |
| 1 | Estimated Cost (In Rs.) :- | Rs. 5,80,979.00/- | | |
| 2 | Earnest Money (In Rs.) :- | Rs. 11,620/- | | |
| 3 | Cost of B.O.Q. (In Rs.) :- | Rs. 1250/- | | |
| 4 | Time of completion :- (In Days) | 15 Days | | |
| 5 | Date, time & place for submission of Complete tender- | As Per NIT | | |
| 6 | Date and time for opening of tender-(Technical Bid)- | As Per NIT | | |
| 7 | Date & Time for opening of Price Bid of Technically Suitable bidders. | As Per NIT | | |
| Sl. No. | Item Description Schedule | Unit | Qty. | Rate |
| 1 | Clearing jungle including uprooting of rank vegetation ,grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared. | sqm. | 497.00 | 5.79 |
| 2 | Excavation in dumped stones or malba including stacking of serviveable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed. | cum | 98.99 | 243.00 |
| 4 | Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete | cum | 111.83 | 238.60 |
| 6 | Providing and laying factory made chamfered edge Cement Concrete paver blocks of required strength,thickness & size/shape, made by table vibratory method , to attain superior smooth finish using PU or equivalent moulds, laid in required Grey colour & pattern over 50mm thick compacted bed of coarse sand,compacting and proper embedding / laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks,lawns, drive ways or light traffic parking etc. all complete as per manufacturer's | | | |
| a | (a) 80 mm thick c.c. paver block of M-35 grade with approved colour design and pattern. | sqm | 497.00 | 812.70 |

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|----|--|------|--------|----------|
| 32 | Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter completewith C.I. double flap surface box 400x200x200 mm (inside)with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10graded stone aggregate 40 mm nominal size) and inside plasteringwith cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick,finished with a floating coat of neat cement complete as per standard design : | | | |
| a | With common burnt clay F.P.S.(non modular) bricks of class designation 100A | each | 2.00 | 6,794.00 |
| 2 | Making plinth protection 50 mm thick of cement concrete 1:3:6 (1mcement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth. | sqm | 49.50 | 417.60 |
| 6 | Brick work with bricks of class designation 100A in foundations and plinth in : | | | |
| a | Cement mortar 1:6 (1 cement : 6 coarse sand) | cum | 2.65 | 4,799.20 |
| 7 | Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand) | Sqm. | 4.36 | 139.90 |
| 4 | 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. | | | |
| a | 110 mm diameter | rmt | 50.00 | 238.30 |
| 49 | Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. | | | |
| a | Single tee with door | | | |
| | 110 x110 x110 mm dia PVC | each | 4.00 | 183.10 |
| b | Single tee without door | | | |
| | 110 x110 x110 mm dia PVC | each | 4.00 | 183.10 |
| c | Band 87.5 | | | |
| | 110 mm dia PVC | each | 4.00 | 124.70 |
| 39 | Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever requireWhite Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap | Each | 1.00 | 2,307.10 |
| 8 | Carriage of Material | | | |
| a | Local Sand | Cum | 111.83 | 262.05 |

| | | | | |
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| b | Sone Sand (45 km from Koelwar) | Cum | 26.51 | 878.40 |
| c | Stone Aggregate ,(110 KMmanpur gaya) | Cum | 1.78 | 1,865.77 |
| d | Bricks (7P+ 1K) | %o | 1.30 | 767.08 |
| e | Difference of Cost of Bricks | %o | 1.30 | 1,470.46 |
| f | Difference of Cost of Cement | tonn | 1.35 | 636.50 |

Quoted Rates:for schedule item

- a- õ õ õ õ õ õ % above
b- õ õ õ õ õ õ % below
c- õ õ õ õ 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 as mention in above.

- 1- Issued to :õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..
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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-02

SHORTURGENTTENDER NOTICE NO.-06 (Civil Work)/2019-20

| | | | | |
|----------------|---|--|-------------|-------------|
| Sl. No. | Name of the Work :- | Miscellaneous work of cardio ward and Microbiology Dept. 2nd Floor in new medical college Building at IGIMS,patna. | | |
| 1 | Estimated Cost (In Rs.) :- | Rs. 2,50,000.00 | | |
| 2 | Earnest Money (In Rs.) :- | Rs. 5000/- | | |
| 3 | Cost of B.O.Q. (In Rs.) :- | Rs. 750/ | | |
| 4 | Time of completion :- (In Days) | 15 Days | | |
| 5 | Date, time & place for submission of Complete tender- | As Per NIT | | |
| 6 | Date and time for opening of tender-(Technical Bid)- | As Per NIT | | |
| 7 | Date & Time for opening of Price Bid of Technically Suitable bidders. | As Per NIT | | |
| Sl. No. | Item Description Schedule | Unit | Qty. | Rate |
| 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 / aneling, 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) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) | kg. | 230.88 | 369.20 |
| 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. | | | |
| a | Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side | sqm | 18.00 | 851.20 |

| | | | | |
|----|---|------|--------|----------|
| 3 | Providing and fixing 4mm thick ACP of approved brand and manufacture in panelling 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 | 16.56 | 1,198.89 |
| 4 | Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows and partition etc. EPDM Rubber / neoperen gasket etc. | | | |
| a | with float glass panes of 5.5 mm thick | sqm | 12.06 | 1,017.30 |
| 5 | Providing and fixing aluminium handles, 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: 100 mm each 54.60 | Each | 16.00 | 47.50 |
| 6 | Providing and fixing aluminium 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 | 13.00 | 195.50 |
| 7 | Providing and fixing aluminium 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 | 300x10 mm | Each | 13.00 | 105.20 |
| 8 | Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. Complete 10.16.1 Hot finished welded type tubes | Kg. | 319.07 | 88.60 |
| 9 | 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 touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. granite | | | |
| a | Area of slab over 0.50 sqm | sqm | 7.29 | 3,699.10 |
| 10 | 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. | | | |
| a | 25 mm nominal outer dia Pipes | mtr. | 48.00 | 308.00 |
| 11 | 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 : | | | |
| a | Size 600x450x200 mm | each | 7.00 | 3,314.40 |
| 12 | 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. | | | |
| a | 75 mm diameter | rmt | 48.00 | 147.40 |
| 13 | Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. | | | |
| a | Single tee without door | | | |
| | 75 x75x75 mm dia PVC | each | 5.00 | 115.60 |
| b | Band 87.5 | | | |
| | 75 mm dia PVC | each | 10.00 | 85.10 |
| 14 | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : | | | |
| a | 25 mm dia nominal bore. | Each | 2.00 | 461.80 |
| 15 | Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work upto plinth level | | | |
| a | 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size) | cum | 0.61 | 4,902.30 |
| 16 | Centring and shuttering including strutting,propping etc. and removal of form for. | | | |
| a | Lintels, beams, plinth bams, griders, bressumers and contilevers. | Sqm. | 8.10 | 335.30 |
| 17 | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. | | | |
| a | Thermo-Mechanically Treated bars TMTC-500-8mm dia | kg | 21.33 | 77.40 |
| b | Thermo-Mechanically Treated bars TMTC-500-10mm dia. | kg | 34.59 | 76.70 |

Quoted Rates:for schedule item

- a- ẽ ẽ ẽ ẽ ẽ ẽ % above
- b- ẽ ẽ ẽ ẽ ẽ ẽ % below
- c- ẽ ẽ ẽ ẽ at estimated cost.

NOTE:-

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- 1- Issued to :õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..
- 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