

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14**

**BILL OF QUANTITY-01**

**SHORT URGENT TENDER NOTICE NO. Engg./ 06(Civil) /2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Widening of Existing Road in West Side of New Administrative Block at IGIMS, Patna</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 14,90,000/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 29,800/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2,500/-</b>		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>30 Days</b>		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>		
<b>Sl. No.</b>	<b>Item Description Schedule</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>

<b>1</b>	Earth work in excavation over areas ( exceeding 30 cm in depth. 1.5 m in width as well es 10 sqm on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.			
	AH Kinds of soil	CUM	276.81	279.10
<b>2</b>	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.	480.00	5.79
<b>3</b>	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
<b>a</b>	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	12.00	4,033.00
<b>4</b>	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	72.00	238.60

5	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.			
	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	cum	90.00	1,106.10
	With material conforming to Grade-III (size range 26.5 mm to 0.075 mm ) having CBR Value-20	CUM	90.00	1,126.40
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 specifications & direction of Engineer -in-Charge:	sqm	660.00	769.90
	<b>((b) 80 mm thick c.c. paver block of M-35 grade with white colour design and pattern.</b>			
7	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).Kerb-Stone Block- M25 Grade (Size:375mm x 300mm x150mm )	CUM	6.75	5,180.80
g	<b>Carriage of material</b>			
a	Local Sand	Cum	72.00	262.05
b	Sone Sand (45 km from Koelwar)	Cum	41.10	878.40



**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14**

**BILL OF QUANTITY-02**

**SHORT URGENT TENDER NOTICE NO. Engg./ 06(Civil) /2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	Miscellaneous civil Repair Maintenance and Alteration work in Different Department in Hospital Building at IGIMS, Patna
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	Rs <b>4,24,400/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	Rs. 8,500/-
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	Rs. 750/
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>30 Days</b>
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	As Per NIT
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	As Per NIT
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	As Per NIT

<b>Sl. No.</b>	<b>Item Description Schedule items</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge.			
a	For door/ window/ clerestory window	<b>sqm</b>	<b>3.60</b>	<b>447.40</b>
2	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	<b>kg.</b>	<b>415.00</b>	<b>369.20</b>

	required shade according to IS: 1868, Minimum anodic coating of grade AC 15)			
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	<b>sqm</b>	<b>62.00</b>	<b>1,198.89</b>
4	Providing and fixing glazing in aluminium door, window, Ventilator shutter and partition etc. with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge. (cost of aluminium snap beading shall be paid in basic item.)			
a	Float glass panes. 5.5 mm thick glass pane.	<b>sqm</b>	<b>18.00</b>	<b>1,017.30</b>
5	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	75mm diameter	<b>rmt</b>	<b>60.00</b>	<b>147.40</b>
6	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			
i	75 x75 x75 mm dia PVC	<b>each</b>	<b>10.00</b>	<b>115.40</b>
b	Band 87.5			
i	75 mm dia PVC	<b>each</b>	<b>10.00</b>	<b>85.10</b>
7	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	<b>metre</b>	<b>95.19</b>	<b>255.70</b>
b	25 mm nominal outer dia Pipes	<b>metre</b>	<b>40.00</b>	<b>308.00</b>
8	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	<b>each</b>	<b>10.00</b>	<b>588.20</b>

9	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws,including excavation,refilling the earth or cutting of wall and making good the same complete wherever equired :			
a	20 mm nominal bore	<b>each</b>	<b>10.00</b>	<b>332.40</b>
b	25 mm nominal bore	<b>each</b>	<b>10.00</b>	<b>369.80</b>
10	Providing and fixing ball valve (brass) of approved quality,High or low pressure, with plastic floats complete :			
b	25 mm nominal bore	<b>each</b>	<b>4.00</b>	<b>364.10</b>
11	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	<b>each</b>	<b>10.00</b>	<b>49.90</b>
12	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	<b>each</b>	<b>10.00</b>	<b>122.10</b>
13	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.	<b>each</b>	<b>10.00</b>	<b>216.90</b>
14	Providing and fixing 600x450 mm beveled edge mirror of superior glass(of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	<b>each</b>	<b>10.00</b>	<b>741.90</b>
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	<b>Each</b>	<b>12.00</b>	<b>195.50</b>
16	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	300x10 mm	<b>Each</b>	<b>12.00</b>	<b>105.20</b>
b	150x10 mm	<b>Each</b>	<b>12.00</b>	<b>67.80</b>
17	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. complete100mm	<b>Each</b>	<b>12.00</b>	<b>47.50</b>
18	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	5.00	3,314.40
19	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass taps 32mm, C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wall and floor wherever required.			
a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	5.00	2,018.10
20	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	Sqm	253.00	8.10
21	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	253.00	27.20
22	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	253.00	31.70
23	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	20.00	82.80
24	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	125.00	45.20
25	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	8.00	429.50
26	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative typecore of block board 32 mm thick including anodised aluminium butt highest with necessary screws aluminium handle, I-drope, twoer bold etc as per specification of E/S.	Sqm.	2.88	2,750.92
27	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	10.50	2,959.00
28	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approve			
a	1.0 mm thick	sqm	10.00	541.20

**Quoted Rates:for schedule item**

- a-      0 0 0 0 0 0 % above
- b-      0 0 0 0 0 0 % below
- c-      0 0 0 0 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-03**

**SHORT URGENT TENDER NOTICE NO. Engg./ 06(Civil) /2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	Aluminium partition work for recovery room in IVF Department and renovation of OPD room No. ( Immunization Clinic at First Floor of OPD Building at IGIMS, Patna		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	Rs. 2,13,300/-		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	Rs. 4500/-		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	Rs. 500/		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>15 Days</b>		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	As Per NIT		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	As Per NIT		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	As Per NIT		
<b>Sl. No.</b>	<b>Item Description Schedule Items</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>
1	<i>Providing and fixing <b>1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, hades 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 Motar 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.</b></i>	Sqm.	21.60	739.80

2	Providing and laying <b>vitrified floor tiles</b> 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.Size of Tile 600x600 mm.	sqm	18.00	1,520.90
3	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	18.00	-429.30
4	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	sqm	18.00	380.60
5	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.	238.00	369.20
6	Providing and fixing <b>4mm thick ACP</b> 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-incharge	sqm	40.50	1,198.89

7	Providing and fixing glazing in aluminium door, window, Ventilator shutter and partition etc. with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge. (cost of aluminium snap beading shall be paid in basic item.)			
a	Float glass panes. 5.5 mm thick glass pane.	sqm	6.30	1,017.30
8	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	6.00	47.50
9	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	6.00	195.50
10	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	6.00	105.20
b	150x10 mm	Each	6.00	67.80
11	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screw set etc.			
a	Twin rubber stopper	each	6.00	40.40
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	75mm diameter	rmt	5.59	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			
i	75 x 75 x 75 mm dia PVC	each	2.00	115.40
b	Band 87.5			
i	75 mm dia PVC	each	2.00	85.10

14	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	6.00	255.70
15	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	1.00	588.20
16	Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole.	each	1.00	49.90
17	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	1.00	122.10
18	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	1.00	216.90
19	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	each	1.00	741.90
20	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass taps 32mm, C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wall and floor wherever required.			
a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	1.00	2,018.10
21	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	Sqm	86.40	8.10
22	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade. Old work (one or more coats)	Sqm	86.40	27.20

23	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	86.40	31.70
25	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	113.04	45.20
26	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	2.25	2,959.00
27	<b>Carrage of the following material</b>			
a	<i>Sone Sand (45 km from Koelwar)</i>	<i>Cum</i>	1.00	878.40
b	<i>Difference of Cost of Cement</i>	<i>tonn</i>	0.50	636.50

**Quoted Rates:for schedule item**

- a-     ō ō ō ō ō ō % above  
b-     ō ō ō ō ō ō % below  
c-     ō ō ō ō 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                                     :ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ..  
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