

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT URGENT TENDER NOTICE NO. Engg./ 11 (Civil) /2018-19

Sl. No.	Name of the Work :-	Tubular truss and flooring work of existing Gas Manifold Building North Side of Diagnostic Block including other miscellaneous work at IGIMS, PATNA.
1	Estimated Cost (In Rs.) :-	Rs. 12,44,320/-
2	Earnest Money (In Rs.) :-	Rs. 25,000/-
3	Cost of B.O.Q. (In Rs.) :-	Rs 2500/-
4	Time of completion :- (In Days)	30 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	Unit	Qty.	Rate
1	Earth work in excavation 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	cum	4.00	230.50
2	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a)	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	25.00	3,740.20
3	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 (1cement : 4coarse 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	48.00	3,573.70
4	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (1 lime : 1 surkhi: 1 coarse sand) / 1:4 (1 cement: 4 coarse sand)			
A	20 to 25 mm thick -	sqm	275.00	998.30
5	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. Complete 10.16.1 Hot finished welded type tubes	Kg.	1,970.56	92.30
6	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 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 Engineerin-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	Sqm.	108.00	550.40
7	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete : 12.51.1 Ridges plain (500 - 600mm)	Rmt	7.50	360.45
8	Providing and fixing 15 cm wide 45 cm over all semi circular plain G.S. sheet gutter with iron brackets 40x3 mm size bolts, nuts and washers etc. including making necessary connections with rain water pipes complete. 12.9.3 0.80 mm thick with zinc coating not less than 275 gm/m2	rmt	45.00	463.70
9	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	243.50	86.00
10	Reinforced cement concrete work in wall (any thickness), including attached plasters, uttresses, plinth and string			

	courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement			
a	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	4.00	5,139.70
11	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	250.00	54.70
12	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 ing 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	Sqm	20.00	171.00
13	Removing dry or oil bound distemper by Scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	295.00	5.90
14	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	295.00	28.10
15	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	295.00	22.00
16	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	77.40
17	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	622.80	34.80
18	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 trasparent 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 fastners 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 fre straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading tor glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (GlazingFor fixed portion and	kg	162.52	347.90

	panelling to be paid for separately			
19	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:			
a	Float glass panes.5.5 mm thick glass pane.	sqm	12.00	1,194.50
20	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	21.00	1,032.60
21	Extra for Providing and fixing 1.0 mm decorative laminate sheet with all complete as per direction of engineer-incharge.			
a	On one side only	sqm	24.00	623.23
22	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	40.00	212.40
23	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.			
i	Band 87.5			
a	110 mm dia PVC	each	8.00	168.30
25	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	195.00	253.80
26	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	22.00	204.40
27	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	22.00	181.48
b	Sone Sand (45 km from Koelwar)	Cum	20.96	607.62

c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	25.65	1,773.56
d	Bricks (7P+ 1K)	%o	6.33	531.02
e	Difference of Cost of Cement	tonn	14.50	767.25
f	Difference of Cost of Bricks	%o	6.33	1,643.99
	CIVIL NON SCHEDULE ITEM			
28	Providing and fixing 19 mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	48.12	-

Quoted Rates:for schedule item

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

SHORT URGENT TENDER NOTICE NO. Engg./ 11 (Civil) /2018-19

Sl. No.	Name of the Work :-	Repair, Renovation and internal Painting work of Old Boys Hostel at IGIMS, Patna.		
1	Estimated Cost (In Rs.) :-	Rs. 13,26,262/-		
2	Earnest Money (In Rs.) :-	Rs. 26,600/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs 2500/-		
4	Time of completion :- (In Days)	30 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	Unit	Qty.	Rate
	CIVIL SCHEDULE			
	<u>DISMANTLING ITEM WORK</u>	-	-	-
1	Dismantling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 m lead.,			
a	of area 3 Sq.m. and below	Each	10.00	90.30
2	Dismantling tile work floor and roofs laid in cement mortar including stacking material within 50 metres lead.	Sqm	405.48	18.40
3	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	31.00	240.90
	<u>PAINTING AND FINISHING WORK</u>	-	-	-
4	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	8.00	3,740.20

5	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 ing 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	Sqm	70.00	171.00
6	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	2,800.00	5.90
7	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	2,800.00	22.00
8	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	2,800.00	28.10
9	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	946.10	54.10
10	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.	150.00	77.40
11	Providing and fixing flush door shulter of century board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	15.00	2,750.92
12	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.Size of Tile 600x600 mm.	sqm	55.00	1,694.30
15	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	90.00	799.40

16	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 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.	sqm	350.00	766.30
17	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 an engineer-in-charge	sqm	27.90	1,646.05
18	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :			
a	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests each 3035.40	Each	31.00	3,049.30
19	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	369.40	212.40
20	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	32.00	306.10
b	Band 87.5			

	110 mm dia PVC	each	10.00	168.30
c	Shoe plain			
	110m Shoe	each	10.00	305.02
21	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: 4corsa sand and making good the wall etc complete			
b	110 mm	each	35.00	144.49
22	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	471.00	249.20
b	25 mm nominal outer dia Pipes	metre	48.00	306.90
c	32 mm nominal outer dia Pipes	metre	48.00	381.60
23	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	5.00	2,093.50
26	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	25 mm nominal bore	each	5.00	449.50
27	Providing and fixing PTMT stop cock of approved quality and colour.15 mm nominal bore, 86 mm long, weighing not less than 88 gms	each	65.00	138.70
a	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	65.00	138.70
b	Providing and fixing PTMT pillar cock of approved quality and colour.15 mm nominal bore, 107 mm long, weighing not less than 110	each	32.00	214.90

	gms			
c	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.			
d	15 mm nominal bore	each	31.00	650.10
	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.15 mm nominal bore with 45 cm length	each	62.00	76.80
28	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :150 mm diameter	each	31.00	89.90
29	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 required :			
a	40 mm nominal bore	each	7.00	407.70
30	supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	70.00	83.20
31	Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole.	each	33.00	59.90
32	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	33.00	160.40
33	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.			
a	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	each	31.00	419.10
34	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	35.00	182.00
35	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:			
b	150x10 mm	Each	35.00	64.70

36	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. complete 100mm	Each	35.00	54.60
37	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :			
a	Inside dimensions 455x610 mm and 45 cm deep for single pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	8.00	4,147.30
38	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :			
a	150 mm dia. R.C.C. pipe metre	Rmt.	48.39	329.40
39	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 :			
a	610x460 mm bowl depth 200 mm	Each	1.00	3,978.60
40	Extra cost for carriage of Materia			
a	Sone Sand (45 km from Koelwar)	Cum	13.80	607.62
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	7.12	1,773.56
c	Difference of Cost of Cement	tonn	8.48	767.25

Quoted Rates:for schedule item

a- 0 0 0 0 0 0 % above

b- 0 0 0 0 0 0 % below

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-03

SHORT URGENT TENDER NOTICE NO. Engg./ 11 (Civil) /2018-19

Sl. No.	Name of the Work :-	Laying of water supply pipe line on tarrace floor of hospital building at I.G.I.M.S PATNA -14		
1	Estimated Cost (In Rs.) :-	Rs. 7,39,917/-		
2	Earnest Money (In Rs.) :-	Rs. 14,800/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs1250/-		
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		
SI No	Item Descriptions	Unit	Qty.	Rate
	CIVIL SCHEDULE			
1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.			
a	50 mm diameter pipe	metre	86.52	391.10
3	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	40 mm nominal outer dia Pipes	metre	212.18	339.70
b	50 mm nominal outer dia Pipes	metre	216.30	522.20
c	25 mm nominal outer dia Pipes	metre	70.00	206.80
4	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and			

	threading the pipe etc. complete :			
a	50 to 80 mm nominal bore	each	50.00	637.80
5	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	50 mm nominal bore	each	5.00	811.40
b	80 mm nominal bore	each	2.00	2,016.50
6	Providing and fixing gun metal non- return valve of approved quality (screwed end) :			
a	25 mm nominal bore (Horizontal)	each	5.00	430.80
b	32 mm nominal bore (Horizontal)	each	5.00	579.90
7	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
a	25 mm nominal bore	each	10.00	170.60
b	32 mm nominal bore	each	15.00	213.30
c	40 mm nominal bore	each	10.00	292.70
d	50 mm nominal bore	each	10.00	358.40
e	80 mm nominal bore	each	10.00	712.40
8	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :			
a	25 mm nominal bore	each	30.00	469.40
9	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of ready mixed zinc chromatic yellow primer on new work.			
a	50 mm diameter pipes	metre	84.00	13.10
b	75 mm diameter pipes	metre	312.00	18.20
10	Painting (one more coats) on rain water soil, waste and vent pipes and filings with synthetic enamel paint of approved			

	brand and manufacture and required colour on old work:			
a	50 mm diameter pipes	metre	600.00	5.80
12	Excavating trenches of required width for pipes cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials , returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking serviceable material for measurements and disposed ' of unserviceable material as directed, within a lead of 50 m:			
a	Pipes, cables etc exceeding 80 mm dia but not exceeding 300 mm dia	rmt	105.0	523.30
14	Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :			
a	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead :200 mm diameter pipe	each	6.0	283.70
15	Supplying pig lead at site of work.	quintal	0.20	10,997.30
	CIVIL NSI ITEM			Rate Quoted by Bidder
01	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. Make TATA Class-B 80 mm dia nominal bore	metre	358.78

Quoted Rates:for schedule item

- d- ẽ ẽ ẽ ẽ ẽ ẽ % above
- e- ẽ ẽ ẽ ẽ ẽ ẽ % below
- f- ẽ ẽ ẽ ẽ 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-04

SHORT URGENT TENDER NOTICE NO. Engg./ 11 (Civil) /2018-19

Sl. No.	Name of the Work :-	Aliminium with ACP Fixing in ENT Waiting area South Side of ENT Department at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 3,55,412/-
2	Earnest Money (In Rs.) :-	Rs. 7,200/-
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	Unit	Qty.	Rate
	CIVIL SCHEDULE			
1	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	151.20	114.70
2	Distemping with oil bound washa ble distemper of approved brandand manufacture to give an even shade .			
a	New work (two or more coats) over and including priming	Sqm.	151.20	69.10
3	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.	151.20	77.40
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	75.67	54.10
5	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	146.80	86.00
6	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 perarchiectural drawings and directions oa engineer-incharge	Sqm.	81.77	1,646.05

7	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/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing for fixed portion and panelling to be paid for separately	kg	315.00	347.90
8	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 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	Sqm.	11.52	550.40
9	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 : 6 (1 cement: 6 coarse sand).	Cum	3.30	4,490.60
10	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:			
a	Float glass panes. 5.5 mm thick glass pane.	sqm	7.26	1,194.50
11	Carrage of the following material			
a	Sone Sand (45 km from Koelwar)	Cum	3.00	607.62
b	Bricks (7P+ 1K)	%o	1.60	531.02

c	Difference of Cost of Bricks	%o	1.65	1,643.99
d	Difference of Cost of Cement	tonn	1.00	767.25
	CIVIL NON SHEDULE ITEM			
12	Providing and fixing on wall face unplastidsed-PVC rain water pipes .leaving 10 mm gap for thermal expansion.			
a	150 mm diameter	rmt	20.00	772.46
13	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes. leaving 10 mm gap for thermal expansion.			
a	Band 87.5			
(i)	150 mm dia PVC	each	3.00	478.57
14	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: 4corsa sand and making good the wall etc complete			
a	150 mm	each	12.00	178.54

Quoted Rates:for schedule item

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