

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

**BILL OF QUANTITY-01**

**SI. No.01 SHORT URGENT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Construction of Boundary wall in front of Dhanvantri hostel at IGIMS Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 6,52,518/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs.13,100/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs.1250/-</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>27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier</b>		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.</b>		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>01/05/2017 at 03.30 PM</b>		
<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).			-
<b>a</b>	300 mm dia piles	Meter	84.00	884.70
<b>2</b>	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	6.00	230.50
<b>3</b>	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20 cm in epth:consolidating each deposited layer by ramming and watering lead	cum	8.00	74.50
<b>4</b>	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			
<b>a</b>	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone	cum	8.00	4,530.30

	aggregate 20 mm nominal size)			
5	Reinforced cement concrete work in wall (any thickness), including attached pilasters, utresses, 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	5.00	5,139.70
6	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	2	3740.2
7	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.6 (1 cement: 6 coarse sand ).	Cum	17.00	4,490.60
8	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	30.00	253.80
9	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	100.00	555.10
10	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	20.00	204.40
11	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	110.00	261.70
12	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	550.00	56.00
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	800.00	54.70
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia	kg	450.00	53.40
13	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	175.00	114.70
14	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand )	Sqm.	175.00	133.20
15	Finishing walls with Acrylic Smooth exterior paint of required shade :			
a	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)	sqm	370.00	71.10
16	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	20.00	22.80
17	Painting with ready mixed paint of approved brand	sqm	20.00	63.60

	and manufacture in all shades to give an even shade new steel work			
18	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	460.57	86.00
19	Providing and fixing concertina coil fencing with punched tape metre 289.50 concertina coil 600 mm dia 10 metre openable length ( total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	meter	65.00	289.50
20	<b>Extra cost for carriage of Material</b>			
a	Local Sand / Earth soil (3 Km)	Cum	20.00	181.48
b	Sone Sand (45 km from Koelwar)	Cum	18.90	607.62
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	12.75	1,773.56
d	Bricks (7P+ 1K)	%o	14.91	531.02
e	Difference of Cost of Bricks	%o	14.91	1,643.99
f	Difference of Cost of Cement	tonn	22.00	767.25

**Quoted Rates:for schedule item**

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 as mention in above.

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

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

**BILL OF QUANTITY-02**

**Sl. No.02 SHORT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair Maintenance and Cleaning of Drainage System Water Supply of Nursing College at IGIMS Patna.</b>		
1	Estimated Cost (In Rs.) :-	Rs.6,12,203/-		
2	Earnest Money (In Rs.) :-	Rs.12,300/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs.1250/-		
4	Time of completion :- ( In Days)	30 Days		
5	Date, time & place for submission of Complete tender-	27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier		
6	Date and time for opening of tender-(Technical Bid)	28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01 /05/2017 at 03.30 PM		
<b>Sl No</b>	<b>Schedule Item ( CIVIL)</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
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	60.00	230.50
2	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20 cm in depth:consolidating each deposited layer by ramming and watering lead	cum	60.00	74.50
3	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	1,960.00	4.14
4	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.	65.19	329.40
b	250 mm dia. R.C.C. Pipe	Rmt.	50.00	430.40
5	Constructing brick masonry manhole in cement mortar 1:4( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :			
a	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2.00	6,958.90
6	Extra for depth for manholes :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	meter	1.50	5,217.80
7	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.			
a	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2.00	28,775.50
9	Brick work with bricks of class designation 100A in foundations and plinth in			
a	Cement mortar 1 :4 (1 cement: 4 coarse sand )	cum	6.00	4,724.40
10	Reinforced cement concrete work in wall (any thickness), including attached pilasters, 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	3.00	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	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	KL	300.00	68.50
13	Supplying Labour and tools for cleaning filled up and choked manhole and services etc.	cum	80.00	855.00
14	12 mm cement plaster 1:3( 1 cement: 3 coarse sand) finished with a floating coat of near cement	sqm	18.36	159.00
15	15 mm cement plaster on rough side of single or half brick wall of mix.			
a	1:3 (1 cement :3 coarse sand)	sqm	35.64	149.20
16	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	2.00	3,740.20
17	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	50.00	5.90
18	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	50.00	22.00
19	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	50.00	28.10
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 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	15.00	171.00
21	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	sqm	19.44	766.30

	steps and dados over 12 mm thick bed of cement mortar 1:3 ( 1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.			
22	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming IS : 15622 of approved make in colours, such shades except white, Ivory, Grey, Fume, Red, Brown, Laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and pigment etc. complete.	sqm	6.48	812.20
23	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	1.00	3,049.30
24	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required			
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	1.00	2,859.90
25	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	20.00	212.40
b	75 mm diameter	rmt	5.00	127.30
26	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			
i	75x75x75 mm dia PVC	each	5.00	221.20
ii	110 x110 x110 mm dia PVC	each	5.00	306.10
b	Single tee without door			
i	75x75x75 mm dia PVC	each	4.00	196.86
ii	110 x110 x110 mm dia PVC	each	4.00	257.30
c	Band 87.5			
i	75 mm dia PVC	each	5.00	112.90
ii	110 mm dia PVC	each	5.00	168.30
27	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	110 mm	Each	5.00	144.49
b	75 mm	Each	5.00	126.20
28	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	20.00	249.20
29	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	2,093.50
30	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	2.00	481.60
31	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore	each	2.00	650.10



32	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	20 mm nominal bore	each	3.00	284.60
33	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.	metre	10.00	438.75
34	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm ( $\pm 0.3$ mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm ( $\pm 0.1$ mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.	sqm	3.15	2,154.75
2	Centring and shuttering including strutting, propping etc. and removal of form for.			
a	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	sqm	6.92	262.30
35	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) 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.			
a	Size of Tile 600x600 mm.	sqm	12.72	1,694.30
36	Cutting holes up to 30x30 cm in walls including making good the same:			
a	With common burnt clay F.P.S. (non modular) bricks	each	15.00	158.10
37	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.			
a	15 mm dia nominal bore metre	mtr.	20.00	167.90
c	25 mm dia nominal bore metre	mtr.	125.00	269.20
d	40 mm dia nominal bore metre	mtr.	45.00	294.10
38	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	15 mm nominal bore	each	10.00	260.20
c	25 mm nominal bore	each	5.00	296.80
d	40 mm nominal bore	each	2.00	407.70
39	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	25 mm nominal bore each	each	12.00	449.50
40	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :			
a	25 mm nominal bore	each	2.00	365.40
41	Providing and laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :			
a	200 mm dia C.I. Double Flanged Pipe	mtr.	18.50	4,214.80
42	Supplying and filling in plinth with local sand under floors including, watering, ramming consolidating and dressing complete.	cum	30.00	204.40
43	Extra cost for carriage of Material			
d	Local sand (lead 2km P+1km K)	cum	30.00	181.48
a	Sone Sand (45 km from Koelwar)	Cum	17.00	607.62
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	5.00	1,773.56
c	Bricks (7P+ 1K)	%o	7.00	531.02
d	Difference of Cost of Bricks	%o	7.00	1,643.99
e	Difference of Cost of Cement	tonn	10.00	767.25



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

**BILL OF QUANTITY-03**

**Sl. No.01 SHORT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Cleaning fill-up &amp; Chocked Manhole, Septic Tank &amp; Connecting R.c.c drains of Ward Block at IGIMS, Patna.</b>		
1	Estimated Cost (In Rs.) :-	Rs. 3,98,726/-		
2	Earnest Money (In Rs.) :-	Rs. 8,000/-		
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-	27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier		
6	Date and time for opening of tender-(Technical Bid)-	28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/05/2017 at 03.30 PM		
<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Supplying Labour and tools for cleaning filled up and choked manhole and services etc.	cum	408.88	855.00
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 aggreg 40 mm nominal size)	cum	1.50	3,740.20
3	Unskilled Labour for Cleanig of chember & Septic tank of ward Block.	Nos	30.00	218.00
4	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality			
	L D- 2.5 Rectangular shape 600x450 mm internal dimensions	Each	20.00	1,111.40
5	Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	0.67	607.62
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	1.34	1,773.56
c	Difference of Cost of Cement	tonn	0.48	767.25



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

**BILL OF QUANTITY-04**

**Sl. No.01 SHORT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Name of Work:- Repair, Renovation , Painting and Addition work of Dhanvantri Hostel At IGIMS, Patna -14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 9,21,431/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 18,500/-</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 1250/-</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>45 Days</b>
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier</b>
<b>6</b>	<b>Date and time for opening of tender- (Technical Bid)-</b>	<b>28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.</b>
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>01/05/2017 at 03.30 PM</b>

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>CIVIL WORK</b>				
<b>1</b>	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.			
<b>a</b>	With cement mortar 1:4	Sqm	100.00	171.00
<b>2</b>	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	3,200.00	5.90
<b>3</b>	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	3,200.00	22.00
<b>4</b>	Applying one coat of cement primer of approved brand and manufacture on wall surface:			
<b>a</b>	Distemper primer	sqm	3,200.00	28.10
<b>5</b>	Providing and applying white cement based	Sqm.	150.00	77.40

	putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete			
6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm.	350.00	34.80
7	Providing and fixing anodised aluminium work for doors,windows, ventilator and partitions with extruded built upstandard 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 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 panelling to be paid for separately	kg	1,100.00	347.90
8	Providing and fixing glazing in aluminium door, window,ventilator shutters and partitions etc. with PVC/ neoprenegasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.(Cost of aluminium snap bading shall be paid in basic item.) With glass panes of 5.50 mm thickness(weight not less thar 13.75 kg/sqm)	sqm	235.00	998.40
9	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	10.00	182.00
10	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	10.00	64.70
11	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required	Each	5.00	54.60

	colour and shade with necessary screws etc. complete 100mm			
12	Providing fixing aluminium 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	10.00	83.80
13	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms provide prayag or any brand	each	20.00	138.70
14	Providing and fixing PTMT pillar cock of approved quality and colour .prayag or any brand	each	10.00	214.90
15	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms prayag or any brand	each	10.00	175.30
16	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	25 mm nominal bore	each	1.00	449.50
17	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	20 mm nominal bore	each	2.00	284.60
b	25 mm nominal bore	each	2.00	296.80
c	32 mm nominal bore	each	2.00	328.30
18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :			
a	20 mm nominal bore	each	2.00	427.90
b	25 mm nominal bore	each	2.00	469.40
19	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			
a	32 mm dia	each	10.00	78.60
20	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS :7231, with all fittings and fixtures complete.			
a	10 litre capacity - White	each	12.00	859.40
23	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative type core 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.	11.55	2,750.92

**Quoted Rates:for schedule item**



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:-

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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

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

**BILL OF QUANTITY-05**

**Sl. No.01 SHORT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	Electrical wiring work of Proposed medical Gas manifold Building at IGIMS Patna.
1	Estimated Cost (In Rs.) :-	Rs. 6,11,081/-
2	Earnest Money (In Rs.) :-	Rs. 12,300/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1250/-
4	Time of completion :- ( In Days)	30 Days
5	Date, time & place for submission of Complete tender-	27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
6	Date and time for opening of tender-(Technical Bid)-	28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/05/2017 at 03.30 PM

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.			
a)	Group -C	Each	20.00	675.00
2	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required			
a)	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	95.00	150.00

b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	210.00	193.00
c)	4 x 10 sq.mm + 1 x10 sq.mm earth wire	Meter	125.00	684.00
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	Each	10.00	372.00
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	10.00	446.00
5	Supplying and fixing following way horizontal type three pole and neutral, sheet steel MCB distribution board 415 volts on surface / recess complete with tinned copper bus bar neutral bus bar , earth bar , din bar interconnections , powder painted including earthing etc as required. ( but without MCB/RCCB/Isolator)			
a)	8 way (4 + 24), Double door , horizontal type	Each	2.00	4655.00
6	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, %C+ curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	Single Pole	Each	48.00	208.00
b)	Triple pole and neutral	Each	8.00	1804.00
7	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	16.00	35.00

8	Supplying and fixing single wall mounted 20/22 watt LED type batten fitting complete with electronic driver and LED tube etc directly on wall /ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor and the earthing body etc as required	Each	8.00	2542.00
9	Supply and installation of 375 mm 230 v a.c exhaust fan in the existing opening including making good the damage connection testing commissioning etc as required.	Each	4.00	3491.00
10	Supply and installation of regulator /standard model A.C ceiling fan of 1400 mm sweep including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	8.00	2060.00
11	Supply installation testing & commissioning of iron sheet steel powder distribution panel board , fabricated with 16 SWG iron sheet suitable for drawable mounted switch gear including 600 Amps aluminium bus bar chamber ,insulator, volt meter, Ampire meter Selector switch ,indicator lamp(RYB) MCCB Ics=100% icu,confirms to IS/IEC 60947-2 containing following Incomer and Outgoing MCCB cubicles a) Incomer 1 no. 4 pole MCCB 400 Amps with thermal magnetic release breaking capacity 50 KA suitable for isolation ,manual rotary version,(Schneider Cat no.LV 540319 or equivalent) and b) Outgoing as per following (1) 4 Nos outgoing each having 4 pole 200 amp MCCB breaking capacity-36 KA suitable for isolation manual rotary version (Schneider cat no. LV 525342 or equivalent) (2) 8 Nos outgoing each having 4 pole 125 amp MCCB breaking capacity-36 KA suitable for isolation manual rotary version (Schneider cat no. LV 516342 or equivalent) Panel painting by 7 tank process only	Each	1.00	358005.00

**Quoted Rates:for schedule item**

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:-

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- 1- Issued to :.....
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- 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-06**

**Sl. No.01 SHORT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repairing &amp; renovation of Electrical wiring/Replacement of Damaged accessories in Boys hostel 01,02 &amp; 12 HP Motor pump near B-type quarter at IGIMS Patna</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 3,70,665/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 7,500/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</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>27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier</b>		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.</b>		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>01/05/2017 at 03.30 PM</b>		
<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.			
a)	25/100 Amps. 4 pole MCCB,16 KA	Each	2.00	5027.00
b)	160 Amps. 4 pole MCCB,35 KA	Each	1.00	11275.00
<b>2</b>	Wiring for light point/fan point /exhaust fan point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conductor single core cable in surface/recess P.V.C. conduit with piano type switch, phenolic laminated sheet, suitable size pvc / gi box etc. as required.			
a)	Group-c	Each	16.00	621.00
<b>3</b>	Rewiring for light point /fan point /exhaust point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conductor single core cable in existing surface/recessed P.V.C. conduit including dismantling as required.			
a)	Group-B	Nos	105.00	320.00
<b>4</b>	Wiring for circuit/sub-main wiring alongwith earth wire			

	with the following sizes of P.V.C. insulated copper conductor, single core cable in surface/recessed pvc conduit, as required.			
a)	2 x 2.5sq.mm + 1 x 2.5sq.mm. earth wire	Meter	95.00	150.00
b)	2 x 10 sq.mm + 1 x 10 sq.mm. earth wire	Meter	85.00	417.00
c)	4 x 10 sq.mm + 1 x 10 sq.mm. earth wire	Meter	10.00	684.00
5	Supplying and fixing following way horizontal type three pole and neutral, sheet steel MCB distribution board 415 volts on surface / recess complete with tinned copper bus bar neutral bus bar , earth bar , din bar interconnections , powder painted including earthing etc as required. ( but without MCB/RCCB/Isolator)			
a)	4 way (4 + 12), Single door , horizontal type	Each	2.00	2169.00
b)	6 way (4 + 18), Single door , horizontal type	Each	4.00	2536.00
6	Supplying and fixing suitable sizes GI / PVC box on surface or in recess with phenolic laminated sheet cover in-front including providing and fixing 5 pin 05/06 amps. Socket outlet and 05/06 amps. Piano type switch connection painting etc. as required.	Each	24.00	199.00
7	Supplying and fixing suitable sizes GI / PVC box on surface or in recess with phenolic laminated sheet cover in-front including providing and fixing 6pin 15/16 amps. Socket outlet and 15/16amps. Piano type switch connection painting etc. as required.	Each	10.00	313.00
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
a)	2+4 way single door	Each	1.00	744.00
9	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	Single Pole	Each	76.00	208.00
b)	40 Amps Single pole and neutral	Each	4.00	819.00
10	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connection etc. as required			
a)	5/6 amps.one way Switch	Each	165.00	32.00
b)	15/16 amps.one way Switch	Each	6.00	83.00
c)	5/6 amps.3 pin Socket out let	Each	52.00	44.00
d)	15/16 amps.6 pin Socket out let	Each	6.00	90.00
11	Supply fitting and fixing of metal of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.			
a)	75 mm X 75 mm X 50 mm deep	Each	10.00	90.00
b)	100 mm X 100 mm X 60 mm deep	Each	12.00	114.00
12	Supplying and drawing following of F.R. P.V.C.			

	insulated copper conductor single core cable in existing surface/recessed P.V.C. conduit, as required.			
a)	3 x 1.5 sq.mm	Meter	295.00	63.00
b)	3 x4 sq. mm	Meter	385.00	141.00
13	Supplying and fixing batten/angle holder including connection etc. as required()	Each	30.00	48.00
14	Supplying & fixing of 3 mm thick laminated hyleam sheet	Sq.cm	8000.00	0.15
15	Providing and fixing following capacity Bus bar chamber with 4 strips of suitable size made of copper heavy duty complete with all accessories including connection earthing the body etc. as required.			
a)	300 amps	Nos	1.00	7858.00
16	Supplying and fixing powder coated strip / patty type flurescent fittings of all type complete with all accessories etc.and lamp directly on ceiling/wall, including connection with 1.5 sq.mm. FR PVC insulated copper conductor single core and earthing the body etc. as required.			
a)	4' long with copper ballast	Each	71.00	527.00
17	Suppluing and fixing 90 watt LED type street light with die cast Aluminium housing for ingress protection of IP65 and complete with all accessories etc on pole /building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	4.00	17930.00

**Quoted Rates:for schedule item**

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:-**

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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-07**

**Sl. No.01 SHORT TENDER NOTICE NO. Engg./ 113 (C & E)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Supply and Fixing of LED Slim Panel Sky/Nature/Live/Wild Light in Main Operation Theatre 1<sup>st</sup> Floor Diagnostic Building at IGIMS, Patna</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 2,42,521/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 4,850/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>07 Days</b>		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>27/04/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier</b>		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>28/04/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.</b>		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>01/05/2017 at 03.30 PM</b>		
<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	Supply & fixing of LED Slim panel Sky/Nature/Live/Wild Light, 36 Watt/ 90-300 Volt AC 50 HZ power Factor 0.9 size 2'x2', suitable for recess mounting /Armstrong CEILING WITH Extruded aluminium /CRCA powder coated body and high transmittance PMMA Diffuser. Minimum lumens 3000. Operating temperature 20 degree census.	Each	36.00	6670.00

**Quoted Rates:for schedule item**

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:-**

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- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractor

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