

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

**BILL OF QUANTITY-01**

**SI. No.01 SHORT TENDER NOTICE NO. Engg./ 123 ( C )/2017-18**

Sl. No.	Name of the Work :-	Proposed Civil Work in Trauma Building Ground floor East Part at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 8,01,100/-
2	Earnest Money (In Rs.) :-	Rs.16,100/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1250
4	Time of completion :- ( In Days)	15 Days
5	Date, time & place for submission of Complete tender-	Up to 30/08/2017 till 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)-	31/08/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/09/2017. At 12.30 PM

Sl. No	Item Description	Unit	Qty.	Rate
	<b>CIVIL SCHEDULE</b>			
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	4.00	90.30
2	Making opening in brick masonry including dismantling, fixing chowk hats in floor or walls cutting masonry and fixing hold fasts in cement concrete 1:3:6(1 cement:3 coarse sand:6 stone aggregate 20 mm nominal size) painting two coats of coal tar io sides of choukhat and making good the damages to walls and floors complete to match the existing surface.			
a	For window	Each choukh at	1.00	452.10
3	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	100.00	5.90

4	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	100.00	22.00
5	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	100.00	28.10
6	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.	25.00	77.40
7	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing $\pm$ q wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring $\pm$ q with :12.54.1 GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height,made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending	sqm	236.00	1,329.65
8	Providing sal wood work in frame of doors(choukhats) and fixed in position.	Cum	0.35	73,465.50
9	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.	7.00	2,750.92
10	Providing and fixing glazing in aluminium door, window, ventilatorshutters and partitions etc. with EPDM rubber / neoprene gasket etc.complete as per the architectural drawings and the directions ofengineer-in-charge . (Cost of aluminium snap beading shall be paid inbasic item):			
a	With float glass panes of 8 mm thickness	sqm	2.00	1,194.50
11	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	4.00	760.10

12	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	8.00	83.20
13	Providing and fixing bright finished brass door latch with necessary screws etc. complete.			
a	300x16x5mm	Each	2.00	216.50
14	Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to I.S. 2202 (part I).			
a	On one side only	sqm	35.00	415.00
15	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	625.00	86.00
	<u>Non schedule item</u>	<u>Unit</u>	<u>Qty.</u>	<u>Rate Quotted By Bidder</u>
16	Providing and fixing 12mm 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	9.50	----- -
17	Providing and Fixing 30mm Thick Factory made internal PVC flush door shutter-wood free consisting of frame made out of M.S. tubes of 19 guage thickness and sixe of 20mm x 40mm for stiles as well as top, bottom & lock rail. M.S. frame shall have a coat of metal primer of approved make & manufacturer. The inside panel shall consist of 20mm thick multi-chamber hollow PVC section of 1mm wall thickness, bonded using solvent cement/cynoarcrylate adhesive with 5mm (+0.25) thick prelam PVC sheet of Density 600 Kg/Cbm manufactured by an ISO-9000 certified company, on both side of the inside palnet. All the four edge of the panel to be sealed with lipping of 10mm thick & 20mm wide PVC sheet baton (made by sticking 2 nos. PVC Sheets of 5mm (+0.25) thickness using PVC solvent cement adhesive. Door edge lipping to be painted with PVC ink of maching colour of prelam PVC sheet of door 20mm thick (500 x 4 nos.) thick PVC sheet to be given for lock provision at lock height. Door to be fixed with frame with 3nos. stainless steel butt hinges of size 100mm *25mm *2mm and 50mm long steel screws drilled suitable to pass through both the walls of the MS Tube. Other hardwares should be fixed with 25mm *8mm size steel screws etc, complete as per direction of Engineer-in-Charge, manufacturer's specification and drawing.	sqm	3.15	-----



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

**BILL OF QUANTITY-02**

**SI. No.02 SHORT TENDER NOTICE NO. Engg./ 123 ( C )/2017-18**

Sl. No.	Name of the Work :-	Water Proofing Work over Terrace Floor of Existing Medical College block at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs.8,00,481/-
2	Earnest Money (In Rs.) :-	Rs. 16,050/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1250
4	Time of completion :- ( In Days)	15 Days
5	Date, time & place for submission of Complete tender-	Up to 30/08/2017 till 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)-	31/08/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/09/2017. At 12.30 PM

Sl. No.	Schedule Item Description	Unit	Qty.	Rate
1	Providing and laying in situ seven course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40 Kg, per sqm . 2nd , 4th & 6th courses of bonding material @ 1.60 kg, per sqm , which shall consist of blown type bitumen of grade 55/25 conforming to IS : 702 , third and fifth layers of glass fibre tissue course as specified , seventh , the top pea-sized gravel spread @ 6 dm <sup>3</sup> per sqm , including preparation of surface excluding grading for slope etc. complete.	Sqm	1295.00	536.50
2	15 mm cement plaster 1:3 (1 cement: 3 coarse sand ) finished with a floating coat of neat cement on the rough side of single	Sqm.	100.00	180.10
3	Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	1.80	607.62
b	Difference of Cost of Cement	tonn	1.10	767.25



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

**BILL OF QUANTITY-03**

**SI. No.03 SHORT TENDER NOTICE NO. Engg./ 123 ( C )/2017-18**

Sl. No.	Name of the Work :-	Construction of Boundary Wall from Herbal Garden to Indira Gandhi Park at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 4,06,318/-
2	Earnest Money (In Rs.) :-	Rs. 8,200/-
3	Cost of B.O.Q. (In Rs.) :-	Rs.750/
4	Time of completion :- ( In Days)	30 Days
5	Date, time & place for submission of Complete tender-	Up to 30/08/2017 till 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)-	31/08/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/09/2017. At 12.30 PM

Sl. No.	Schedule Item Description	Unit	Qty.	Rate
1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work upto plinth level			
a	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	11.00	4,530.30
2	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :6 (1 cement: 6 coarse sand ).	Cum	3.00	4,490.60
3	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	78.00	555.10
4	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
5	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	Mild steel 6.00 mm dia	kg	225.00	54.30
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	390.00	54.70

6	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	175.00	114.70
7	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand )	Sqm.	300.00	133.20
8	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	170.00	22.80
9	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade new steel work	sqm	100.00	63.60
10	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	600.00	86.00
11	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats).	Sqm.	400	63.20
12	Extra cost for carriage of Material			
b	Sone Sand (45 km from Koelwar)	Cum	16.00	607.62
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	9.35	1,773.56
d	Bricks (7P+ 1K)	%o	6.20	531.02
e	Difference of Cost of Bricks	%o	6.20	1,643.99
f	Difference of Cost of Cement	tonn	9.00	767.25

**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 :0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ..

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**

**SI. No.04 SHORT TENDER NOTICE NO. Engg./ 123 ( C )/2017-18**

Sl. No.	Name of the Work :-	Construction of Boundary wall In front of Electric Sub Station at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 3,87,031/-
2	Earnest Money (In Rs.) :-	Rs.7,750/-
3	Cost of B.O.Q. (In Rs.) :-	Rs.750/
4	Time of completion :- ( In Days)	30 Days
5	Date, time & place for submission of Complete tender-	Up to 30/08/2017 till 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)-	31/08/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/09/2017. At 12.30 PM

Sl. No.	Schedule 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	14.00	230.50
2	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
3	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
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work puto plinth level			
a	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone	cum	10.00	4,530.30

	aggregate 20 mm nominal size)			
5	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.6 (1 cement: 6 coarse sand ).	Cum	7.00	4,490.60
5 (A)	Half brick masonry with bricks of class designation 100A in foundations and plinth in :			
	Cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	21.00	555.10
6	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	25.00	253.80
7	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	10.00	204.40
8	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	100.00	261.70
9	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	225.00	56.00
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	320.00	54.70
	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	150.00	53.40
10	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	60.00	114.70
11	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand )	Sqm.	60.00	133.20
12	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	120.00	71.10
13	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	100.00	22.80
14	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade new steel work	sqm	100.00	63.60
15	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	900.00	86.00
16	Providing and fixing concertina coil fencing with punched tape metre 289.50 concertina coil 600 mm dia 10 metre openable length (	meter	35.00	289.50

	total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron $\Delta$ 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)			
17	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	10.50	181.48
b	Sone Sand (45 km from Koelwar)	Cum	20.04	607.62
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	10.30	1,773.56
d	Bricks (7P+ 1K)	%o	5.50	531.02
e	Difference of Cost of Bricks	%o	5.50	1,643.99
f	Difference of Cost of Cement	tonn	12.12	767.25

**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 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

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

**BILL OF QUANTITY-05**

**SI. No.05 SHORT TENDER NOTICE NO. Engg./ 123 ( C )/2017-18**

Sl. No.	Name of the Work :-	Repair, renovation, painting and PHED work of toilet of RCC Deptt. at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 2,02,648/-
2	Earnest Money (In Rs.) :-	Rs. 4,100/-
3	Cost of B.O.Q. (In Rs.) :-	Rs.500/
4	Time of completion :- ( In Days)	15 Days
5	Date, time & place for submission of Complete tender-	Up to 30/08/2017 till 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)-	31/08/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/09/2017. At 12.30 PM

Sl. No	SCHEDULE 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	33.00	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	18.00	74.50
3	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	2.50	204.40
4	Providing designation 100 B one brick flat soling joints filled with localsand including cost of watering, taxes, royalty all complete as perbuilding specification and direction of E/I, but excluding carriage cost ofbricks & sand.	sqm	21.00	235.60
5	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	0.54	3,740.20
6	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	2.01	5,139.70
7	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	60.00	56.00
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	51.00	54.70
8	Brick work with bricks of class designation 100A in foundations and plinth in :			
a	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	11.70	4,490.60
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	5.00	555.10
10	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	75.00	114.70
11	Neat cement punning	Sqm.	75.00	32.30
12	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	70.00	5.90
13	Distempering with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	70.00	22.00
14	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	70.00	28.10
15	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.	15.00	77.40
16	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	15.00	54.10
17	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	Sqm.	3.70	799.40

	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.			
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	95.00	86.00
19	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
20	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
a	W.C. pan with ISI marked white solid plastic seat and lid	each	2.00	2,970.00
21	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 require White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	1.00	2,093.50
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	9.00	212.40
b	75 mm diameter	rmt	3.00	127.30
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.			
a	Single tee with door			
i	110 x110 x110 mm dia PVC	each	4.00	306.10
c	Band 87.5			
i	75 mm dia PVC	each	2.00	112.90
ii	110 mm dia PVC	each	11.00	168.30
24	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 ncludes 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	10.00	249.20
b	25 mm nominal outer dia Pipes	metre	5.00	306.90
25	Providing and fixing PTMT bib cock of approved quality and colour.			
a	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	each	9.00	212.00
26	Providing and fixing PTMT pillar cock of approved quality and colour .15 mm nominal bore, 107 mm long, weighing not less than 110 gms	each	1.00	214.90
27	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	5.00	284.60
b	25 mm nominal bore	each	2.00	296.80
28	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
29	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	sqm	3.15	2,154.75

	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.			
30	Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole.	each	4.00	59.90
31	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.	54.00	329.40
32	Renewing glass panes, with putty and nails wherever necessary:			
a	Float glass panes weighing 10 kg/m <sup>2</sup> (4mm thick glass)	sqm.	1.44	618.10
33	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.			
a	25 mm nominal bore, 152mm long, weighing not less than 440 gms	each	1.00	579.30
34	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	1.00	859.40
35	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	2.50	181.48
b	Sone Sand (45 km from Koelwar)	Cum	5.59	607.62
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	2.18	1,773.56
d	Bricks (7P+ 1K)	%o	6.70	531.02
e	Difference of Cost of Bricks	%o	6.70	1,643.99
f	Difference of Cost of Cement	tonn	2.37	767.25



**Quoted Rates:for schedule item**

- a-      ò ò ò ò ò ò % above
- b-      ò ò ò ò ò ò % below
- c-      ò ò ò ò 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                              :ò ò ò ò ò ò ò ò ò ò ò ò ò ò ò ..
- 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-06				
SI. No.06 SHORT TENDER NOTICE NO. Engg./ 123 ( C )/2017-18				
Sl. No.	Name of the Work :-	Making 3 nos. Prefabricated Security Cabin in different places, at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 2,95,050/-		
2	Earnest Money (In Rs.) :-	Rs. 5,900/-		
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-	Up to 30/08/2017 till 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)-	31/08/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	01/09/2017. At 12.30 PM		
Sl. No.	Non Schedule Item Description	Unit	Qty.	Rate Quoted by Bidder.
1	Supplying for Prepacricated Portable Security Cabin. Size of (1.2m x1.2m x 2.4 m)	Each	3.00	.....

**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 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