

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

**BILL OF QUANTITY**

**Sl. No.- 01 Tender Notice No.96 (C)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Development of Parking Area in East side of R.C.C. BLOCK. At IGIMS, Patna.</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>9,91,500.00</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>19,900.00</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>1,250.00</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>15.00</b>
<b>5</b>	<b>Last Date, time &amp; place for submission of tender-</b>	<b>27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.</b>
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>28/07/2016 at 3.30 PM in Conference Hall of IGIMS, Patna</b>
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of technically Suitable bidders.</b>	<b>01/08/2016 at 3:30 PM</b>

<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>CIVIL WORK</b>				
<b>1</b>	Providing designation 100 A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	1,500.00	365.10	5,47,650.00
<b>2</b>	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	554.00	192.50	1,06,645.00
<b>3</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 shape and preparing and lastering 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(1 cement:4 coarse sand	sqm	78	150.1	11,707.80
<b>4</b>	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers 12 mm cement plaster 1:3(1 cement :3 sand)	Sqm.	78	7.5	585.00
<b>5</b>	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:	sqm	8	70.4	563.20

6	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.	650	60.5	39,325.00
7	Extra cost for carriage of Material				-
A	Local Sand / Earth soil (3 Km)	Cum	554.00	205.29	1,13,730.66
B	Bricks (7P+ 1K)	%o	82.50	601.67	49,637.78
C	Difference of Cost of Bricks	%o	82.50	1,473.55	1,21,567.88
Total Amount ( Rs.):-					9,91,412.31
PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")					
	Quoted Rates:				
a	.....% above				
b	.....% below				
c	.....at estimated cost.				
	NOTE:-				
	Contractors are requested to quote their rates % above / % below / at estimated rate				
	In above format tenders quoting item wise rate will be rejected.				
1-	Issued to				
2-	Full postal address				
3-	Earnest money deposited				
4-	Registration No.				
5-	Time of completion				
Signature of Contractors			Superintending Engineer I.G.I.M.S., Patna		

## BILL OF QUANTITY

Sl. No.- 02 Tender Notice No.96 (C)/2016-17

Sl. No.	Name of the Work :-	Providing and installation of PVC Door Shutter with frame for Toilet and Bathrooms of 'B' Type quarter at IGIMS Patna.			
1	Estimated Cost (In Rs.) :-	9,88,345.00			
2	Earnest Money (In Rs.) :-	19,800.00			
3	Cost of B.O.Q. (In Rs.) :-	1,250.00			
4	Time of completion :- ( In Days)	45.00			
5	Last Date, time & place for submission of tender-	27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.			
6	Date and time for opening of tender- (Technical Bid)-	28/07/2016 at 3.30 PM in Conference Hall of IGIMS, Patna			
7	Date & Time for opening of Price Bid of technically Suitable bidders.	01/08/2016 at 3:30 PM			
Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	CIVIL WORK				

1	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	<b>sqm</b>	<b>242.00</b>	<b>2,718.60</b>	<b>6,57,901.20</b>
2	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.	<b>meter</b>	<b>720.00</b>	<b>458.95</b>	<b>3,30,444.00</b>
	<b>TOTAL AMOUNT(IN RS):-</b>				<b>9,88,345.20</b>
<b>PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")</b>					
	<b>Quoted Rates:</b>				
<b>a</b>	.....% above				
<b>b</b>	.....% below				
<b>c</b>	.....at estimated cost.				
	<b>NOTE:-</b>				

	<b>Contractors are requested to quote their rates % above / % below / at estimated rate</b>
	<b>In above format tenders quoting item wise rate will be rejected.</b>
<b>1-</b>	<b>Issued to</b>
<b>2-</b>	<b>Full postal address</b>
<b>3-</b>	<b>Earnest money deposited</b>
<b>4-</b>	<b>Registration No.</b>
<b>5-</b>	<b>Time of completion</b>
<p style="text-align: center;"><b>Signature of Contractors</b> <span style="float: right;"><b>Superintending Engineer</b> <b>I.G.I.M.S., Patna</b></span></p>	

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

**BILL OF QUANTITY**

**SI. No.- 03 Tender Notice No.96 (C)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Construction of Account Section Record room on Terrace floor of OPD Block at IGIMS Patna</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>9,82,536.00</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>19,700.00</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>1,250.00</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>30.00</b>
<b>5</b>	<b>Last Date, time &amp; place for submission of tender-</b>	<b>27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.</b>
<b>6</b>	<b>Date and time for opening of tender- (Technical Bid)-</b>	<b>28/07/2016 at 3.30 PM in Conference Hall of IGIMS, Patna</b>
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of technically Suitable bidders.</b>	<b>01/08/2016 at 3:30 PM</b>

<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>CIVIL WORK</b>				
1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ).	Cum	14.42	4,184.00	60,333.28
2	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Extra for half Brick masonry in superstructure above plinth level upto floor V level.	Sqm	120.00	538.30	64,596.00
3	12 mm cement plaster 1:3( 1 cement: 3 coarse sand) finished with a floating coat of near cement	Sqm.	175.00	138.00	24,150.00

4	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 or half brick wall.	sqm	250.00	156.20	39,050.00
5	Neat cement punning	Sqm.	125.00	27.90	3,487.50
6	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	60.00	21.30	1,278.00
7	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	60.00	50.90	3,054.00
8	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	350.00	20.20	7,070.00
9	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	350.00	26.10	9,135.00
10	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repairs scratches etc. Gmplete	Sqm	350.00	5.40	1,890.00
11	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				-
12	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	sqm	175.00	81.70	14,297.50
13	1:2:4(1 Cement:3 coarse sand: 6 graded stone aggregate 20mm nominal size)	cum	11.00	3,323.10	36,554.10
14	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	115.00	227.60	26,174.00
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	495.00	91.50	45,292.50
16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				-
17	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	150.00	74.40	11,160.00
18	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	96.00	73.10	7,017.60
19	Centring and shuttering including strutting, propping etc. and removal of form forCentring and shuttering including strutting, propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.	Sqm.	45.00	166.70	7,501.50

20	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	10.00	2,959.00	29,590.00
21	P/F Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete: Hot finished welded type tubes	KG.	570.00	92.90	52,953.00
22	Prefab roof made up of panels 100 mm thick sandwich panel of expanded polystyrene (EPS) in fills having One sides pre coated galvanised steel sheet of thickness 0.5 mm ( On side flat and other side corrugated) . Profiled roof [panel made up of 100 mm thick having both side pre coated galvanised steel sheet of thickness 0.5 mm polystyrene sandwich panel.	Sqm..	123.00	3,658.40	4,49,983.20
23	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. 110 mm dia	rmt	22.00	214.20	4,712.40
24	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	22.00	138.65	3,050.30
25	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)	Single tee with door				-
a	110 x110 x110 mm dia PVC	each	4.00	315.90	1,263.60
(ii)	Single tee without door				-
a	110 x110 x110 mm dia PVC	each	2.00	265.50	531.00
(iii)	Band 87.5				-
a	110 mm dia PVC	each	4.00	173.70	694.80
26	Extra cost for carriage of Material				-



b	Sone Sand (45 km from Koelwar)	Cum	19.50	690.74	13,469.43
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	10.00	2,018.12	20,181.20
d	Bricks (7P+ 1K)	%o	17.00	601.67	10,228.39
e	Difference of Cost of Bricks	%o	17.00	1,473.55	25,050.35
f	Difference of Cost of Cement	tonn	11.00	798.89	8,787.79
TOTAL AMOUNT					9,82,536.44

**PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")**

	Quoted Rates:
a	.....% above
b	.....% below
c	.....at estimated cost.
	NOTE:-
	Contractors are requested to quote their rates % above / % below / at estimated rate
	In above format tenders quoting item wise rate will be rejected.
1-	Issued to
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4-	Registration No.
5-	Time of completion
	Signature of Contractors
	Superintending Engineer
	I.G.I.M.S., Patna

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

**BILL OF QUANTITY**

**SI. No.- 04 Tender Notice No.96 (C)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Drilling of Deep Bore Tube well and installation of Submersible Motor for Supplying water to Proposed State Cancer building &amp; Existing Trauma, OPD &amp; Polyclinic building at IGIMS Patna.</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>9,42,860.00</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>18,900.00</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>1,250.00</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>30.00</b>
<b>5</b>	<b>Last Date, time &amp; place for submission of tender-</b>	<b>27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.</b>
<b>6</b>	<b>Date and time for opening of tender- (Technical Bid)-</b>	<b>28/07/2016 at 3.30 PM in Conference Hall of IGIMS, Patna</b>
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of technically Suitable bidders.</b>	<b>01/08/2016 at 3:30 PM</b>

<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>CIVIL WORK</b>				
	<b>Head -A NON SCHEDULE ITEM</b>				
Item no-01	Drilling of deep bore tube well & installation with following services.included all taxes.				
a	Transportation of boring eqpt M/s tools back af	complete job	1.00		
b	const of pit 15' x 15' x 6' for store water	each	1.00		
c	Lab charges for boring of 450mm dia bore	Meter	150.00		
d	Lab charges for lowering of tube well & grave	meter	146.45		
e	Lab charges of low tube well by air comp.	complete job	1.00		
f	Formation & sample Col for prepof aasy	per job	1.00		
g	Cost of earth filling from GL to 6M bel	per job	1.00		
h	instalation & commissioning charge of motor & all nec. Elect.	per job	1.00		
	Supply,insttallation & testing of following items.included all taxes.				

Item no-02	200mm dia CM gr pvc ISI pipe	meter	40.00		
Item no-03	150mm dia CM gr pvc ISI pipe	meter	85.00		
Item no-04	150mm dia CM gr pvc ISI pipe	meter	30.00		
Item no-05	small fittings like well cap,well plug etc	per job	1.00		
Item no-06	Koderma or gravrel	cum	37.00		
Item no-07	support clamp 75 mm dia	Each	2.00		
Item no-08	Extra cable size 1 x 3x 2.5 sqmm	meter	100.00		
Item no-09	75 mm dia GI B class pipe	meter	29.85		
Item no-10	75 mm dia GI bend	each	1.00		
Item no-11	75 mm dia gate valve	each	1.00		
	(B) Total Amount (in Rs):-				
	<b>Head-( B)</b>				
	No. of stages :- 03 Total Head :- 38 mtr on Discharge capacity 84,000 L/Hr to 59 mtr on Discharge capacity 48,000 L/Hr. Liquid to be handled :- Clear cold water free from sand and acid Well dia :- 200 mm or above Out let size:- 100 mm (4") or above Motor rating :- 15 KW / 20 HP Supply voltage:- 400 volt (+/- 10%) Cable size :- 2 x 3 x 4 sq mm.included all taxes.				
Item no -01	Pumpset with 3 mtr Cable	each	1.00		
Item no -02	L & T make control Panel	each	1.00		
Item no -03	supporting Clamp as required	each	2.00		
Item no -04	MS heavy duty column pipe in 3 mtrs. Extra cable size 1x3x4 sqmm as required	meter	24.00		
Item no -05	Extra cable size 1 x 3x 2.5 sqmm	Meter	80.00		
Item no -06	MS bend with both end Flanged as required	each	1.00		
Item no -07	IS mark Gate valve as required	each	1.00		
Item no -08	IS mark Non Return Valve as required	each	1.00		

Item no -09	Instalation & commissioning charge.	each	1.00		
	Total Amount (in Rs):-				
	<b>(B) Grand total:-</b>				
	<b>TOTAL (A+B):-</b>				
	Quoted Rates: for Schedule Item				
a	.....% above				
b	.....% below				
c	.....at estimated cost.				
	NOTE:- for Non Schedule Item.				
	Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item (Head -A From- 1 to 11 & Head- B From 1 to 09))				
	In above format tenders quoting item wise rate will be rejected.				
1-	Issued to				
2-	Full postal address				
3-	Earnest money deposited				

4-	Registration No.	
5-	Time of completion	
	Signature of Contractors	Superintending Engineer
		I.G.I.M.S., Patna

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

**BILL OF QUANTITY**

**Sl. No.- 05 Tender Notice No.96 (C)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Construction of waiting Area &amp; Connecting Passage in south side of Department of ENT. At IGIMS Patna</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>9,47,514.00</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>19,000.00</b>			
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>1,250.00</b>			
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>30.00</b>			
<b>5</b>	<b>Last Date, time &amp; place for submission of tender-</b>	<b>27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.</b>			
<b>6</b>	<b>Date and time for opening of tender- (Technical Bid)-</b>	<b>28/07/2016 at 3.30 PM in Conference Hall of IGIMS, Patna</b>			
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of technically Suitable bidders.</b>	<b>01/08/2016 at 3:30 PM</b>			
<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>CIVIL WORK</b>				
<b>1</b>	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ).	Cum	6.00	4,184.00	25,104.00

2	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	15.00	192.50	2,887.50
3	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	15.00	3,881.20	58,218.00
4	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-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	10.00	3,741.30	37,413.00
5	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	48.00	248.10	11,908.80
6	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	900.00	74.40	66,960.00
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	380.00	73.10	27,778.00
7	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	85.00	100.30	8,525.50
8	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	750.00	91.50	68,625.00
9	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.	1,800.00	92.90	1,67,220.00

10	Providing and fixing pre-coated galvanized 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.	145.00	622.00	90,190.00
11	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-tron 40x40x6 mm with 40 mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles including applying a priming coat of approved steel primer.	sqm	8.00	4,115.60	32,924.80
12	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade new steel work	sqm	85.00	60.70	5,159.50
13	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	85.00	21.30	1,810.50
14	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade. Old work (one or more coats)	sqm	45.00	20.20	909.00
15	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	45.00	26.10	1,174.50
16	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repairs scratches etc. Complete	Sqm	45.00	5.40	243.00



17	Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average thick cement mortar 1:3 (1 cement: 3 coarse sand ) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm	Sqm.	144.00	927.50	1,33,560.00
18	Providing and fixing 20mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias and similar locatins of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement :4 coarse sand) with joints treated with white cement, mixe* with matching pigament-epoxy touch ups. including rubbing, curing etx. complete at all lbevels.Area of each slab over 0.2 sqm but upto 0.5 sqm Granite of any colour and shade	sqm	26.00	3,319.10	86,296.60
19	Finishing walls with Acrylic Smooth exterior paint ofrequired shade :New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exteriorprimer applied @ 2.20 kg/ 10 sqm)	sqm	36.00	68.80	2,476.80
20	<b>Extra cost for carriage of Material</b>				-
a	Local Sand / Earth soil (3 Km)	Cum	15.00	205.29	3,079.35
b	Sone Sand (45 km from Koelwar)	Cum	45.00	690.74	31,083.30
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	35.00	2,018.12	70,634.20
d	Bricks (7P+ 1K)	%o	4.50	601.67	2,707.52
e	Difference of Cost of Bricks	%o	4.50	1,473.55	6,630.98
f	Difference of Cost of Cement	tonn	5.00	798.89	3,994.45
	<b>Total Amount ( Rs.):-</b>				<b>9,47,514.29</b>
<b>PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")</b>					
	<b>Quoted Rates:</b>				
a	.....% above				

<b>b</b>	.....% below
<b>c</b>	.....at estimated cost.
	<b>NOTE:-</b>
	<b>Contractors are requested to quote their rates % above / % below / at estimated rate</b>
	<b>In above format tenders quoting item wise rate will be rejected.</b>
<b>1-</b>	<b>Issued to</b>
<b>2-</b>	<b>Full postal address</b>
<b>3-</b>	<b>Earnest money deposited</b>
<b>4-</b>	<b>Registration No.</b>
<b>5-</b>	<b>Time of completion</b>
<b>Signature of Contractors</b>	<b>Superintending Engineer</b>  <b>I.G.I.M.S., Patna</b>

**BILL OF QUANTITY**

**Sl. No.- 06 Tender Notice No.96 (C)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>				
1	<b>Estimated Cost (In Rs.) :-</b>	<b>7,27,754.00</b>			
2	<b>Earnest Money (In Rs.) :-</b>	<b>14,600.00</b>			
3	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>1,250.00</b>			
4	<b>Time of completion :- ( In Days)</b>	<b>30.00</b>			
5	<b>Last Date, time &amp; place for submission of tender-</b>	<b>27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.</b>			
6	<b>Date and time for opening of tender- (Technical Bid)-</b>	<b>28/07/2016 at 3.30 PM in Conference Hall of IGIMS, Patna</b>			
7	<b>Date &amp; Time for opening of Price Bid of technically Suitable bidders.</b>	<b>01/08/2016 at 3:30 PM</b>			
<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>CIVIL WORK</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	23.00	718.00	16,514.00
2	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	24.00	303.00	7,272.00

3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	12.00	395.00	4,740.00
4	Wiring for circuit/ submain wiring alongwith 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 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	meter	97.00	106.00	10,282.00
b)	2 x 4 sq.mm. + 1x4 sq.mm. earth wire	meter	195.00	162.00	31,590.00
5	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	3.00	954.00	2,862.00
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	24.00	169.00	4,056.00
	<b>Total Schedule item Rs.</b>				<b>77,316.00</b>
	<b>Non Schedule item</b>				
6	Supply & fixing of LED Slim Panel 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	9.00		-
7	Supply & fixing of LED Tube Light 18 Watt/20 Watt/ 22Watt, with fixture, 1200 mm length along with integrated driver,perfect retrofit for traditional F. tube T-10, Bi pin cap G 13 , voltage-90-300,AC, 50 HZ, power factor greater than 0.95, colour temperature 4000 K-6500K , CRI more than 80, lumens more than 1882, Operating temperature- 20 degree Census to 60 Degree Census	Each	10.00		-
8	Supplying & Fixing remote Bell for surface Mounting all inclusive as per specification and directed by E/I (Make- Ancher, colors, cany, Bajaj)	Each	2.00		-
9	Supply and installation of Window Ac (2 tr,including of all other related cost i.e. Stabiliser, Switch, installation all complete)	Each	3.00		-

	<b>Total Non Schedule Rs.</b>				-
	<b>CIVIL WORK</b>				
1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand ).	Cum	2.00	4,184.00	8,368.00
2	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Extra for half Brick masonry in superstructure above plinth level upto floor V level.	Sqm	8.00	538.30	4,306.40
3	12 mm cement plaster 1:3( 1 cement: 3 coarse sand) finished with a floating coat of neat cement	Sqm.	45.00	138.00	6,210.00
4	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 or half brick wall.	sqm	10.00	156.20	1,562.00
5	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	325.00	5.40	1,755.00
6	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	410.50	26.10	10,714.05
7	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	325.00	20.20	6,565.00
8	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.	81.25	76.40	6,207.50
9	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade	sqm	85.00	50.90	4,326.50
10	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				-
a	With float glass panes of 8 mm thickness	sqm	2.50	1,293.50	3,233.75
11	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	sqm	72.00	1,136.90	81,856.80

12	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	10.00	2,959.00	29,590.00
13	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	sqm	75.00	184.50	13,837.50
14	Providing and fixing anodised aluminium work for doors,windows, ventilator and partitions with extruded built upstandard tubular and other sections of approved makeconforming 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 architecttural drawings and the directions of Engineer-in-charge.(GlazingFor fixed portion and panelling to be paid for separately	kg	67.00	354.80	23,771.60
15	Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaidhyde synthetic resin, 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. 24.2.1 Pre-laminated particle board with decorative lamination on one side and balancing lamination of other side	sqm	11.00	1,055.50	11,610.50
16	Providing and fixing vertical blind with rolling track etc all completed	sqft	98.00	235.73	23,101.54
17	25 mm thick (for cub-board) including nickel plated bright finished M.S.piano hinges with necessary screws	sqm	85.00	1,405.60	1,19,476.00
18	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 in item no.9.21	sqm	170.00	428.20	72,794.00
19	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. coplete	Each	2.00	756.10	1,512.20

20	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	4.00	66.00	264.00
b	300x10 mm	Each	4.00	114.10	456.40
21	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	6.00	184.90	1,109.40
22	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. complete125mm	Each	6.00	71.00	426.00
23	Providing and fixing alluminium 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	6.00	82.70	496.20
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 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	15 mm nominal outer dia Pipes	metre	20.00	241.00	4,820.00
25	Providing and fixing PTMT pillar cock of approved quality and colour				-
a	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	1.00	303.60	303.60
26	Providing and fixing PTMT stop cock of approved quality and colour..				-
a	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	each	1.00	143.10	143.10
27	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	2,120.30	2,120.30

28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	Each	1.00	81.10	81.10
<b>TOTAL CIVIL AMOUNT:-</b>					<b>4,33,550.34</b>
<b>PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")</b>					
	Quoted Rates:				
a	.....% above				
b	.....% below				
c	.....at estimated cost.				
	<b>NOTE:-</b>				
	Contractors are requested to quote their rates % above / % below / at estimated rate and Item wise rate for Non schedule item in Electrical work				
	In above format tenders quoting item wise rate will be rejected.				
1-	Issued to				
2-	Full postal address				
3-	Earnest money deposited				
4-	Registration No.				
5-	Time of completion				
<b>Signature of Contractors</b>			<b>Superintending Engineer</b>		
			<b>I.G.I.M.S., Patna</b>		



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

**BILL OF QUANTITY**

**Sl. No.- 07 Tender Notice No.96 (C)/2016-17**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Post-Constructional Anti-Termite Treatment in the Medical College Building at IGIMS, Patna.</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>163919.00</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>3300.00</b>			
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>550.00</b>			
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>7.00</b>			
<b>5</b>	<b>Last Date, time &amp; place for submission of tender-</b>	<b>27/07/2016 up to 1:30 PM at office of the Director, IGIMS, Patna-14 through Regt. /Speed Post/Courier.</b>			
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>28/07/16 at 3.30 PM in Conference Hall of IGIMS, Patna</b>			
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of technically Suitable bidders.</b>	<b>01/08/2016 at 3:30 PM</b>			
<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>CIVIL WORK</b>				
<b>1</b>	Treatment at points of contact of wood work by chemical emulsion chlordane. (in oil or kerosene based solution)@ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	rmt	718.00	228.30	1,63,919.40

		<b>Total Amount:-</b>	<b>1,63,919.00</b>
<b>PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")</b>			
	Quoted Rates:		
a	.....% above		
b	.....% below		
c	.....at estimated cost.		
	NOTE:-		
	Contractors are requested to quote their rates % above / % below / at estimated rate		
	In above format tenders quoting item wise rate will be rejected.		
1-	Issued to		
2-	Full postal address		
3-	Earnest money deposited		
4-	Registration No.		
5-	Time of completion		
	Signature of Contractors		Superintending Engineer I.G.I.M.S., Patna

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