

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14
BILL OF QUANTITY

<i>Name of the work</i>	Construction of waiting area south side of Deptt of radiology at IGIMS Patna-14
<i>Estimated cost</i>	Rs;- 659636/-
<i>Cost of BOQ</i>	Rs. 1250/-
<i>Earnest Money Deposited</i>	Rs. 13200/-
<i>Time of Completion</i>	60 Days
<i>Last date and time of receipt of tender</i>	08/09/2015 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier.
<i>Date and time of opening of Tender</i>	09/09/2015 at 3.30 PM in Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate
1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand).	Cum	6	4184
2	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/l.	Sqm.	72	227.6
3	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, 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 the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap)			
a	300 mm dia piles	Meter	36	1934.2

4	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	26	192.5
5	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work up to plinth level			
a	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	5	3881.2
6	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level,			
7	1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	11	3741.3
8	Centring and shuttering including strutting, propping etc. and removal of form for.			
a	Walls (any thickness) including attached pilasters. Buttresses, plinth and string courses etc.	sqm	25	248.1
9	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	280	73.1
b	Mild steel 6.0 mm dia.	kg	265	70.4
10	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	32	100.3
11	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers12 mm cement plaster 1:3(1 cement :3 sand)	Sqm.	32	7.5

12	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: 10.16.1 Hot finished welded type tubes	Kg.	1292.98	92.9
13	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	610	91.5
	Providing and fixing percolated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have			
14	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 Engineering-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.	87	622

15	Providing and fixing in position collapsible steel shutters with vertical channes 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 bots.nuts locking arrangement stoppers handies including applying a priming coat of approved steel primer.	sqm	9	4115.6
17	Providing and fixing on wall face unplastidsed-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	100 mm dia	rmt	40	214.2
18	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.			
	Single pushfit coupler			
a	110 mm dia PVC	each	6	181.2
	Single tee with door			
b	110 x110 x110 mm dia PVC	each	4	315.9
	Single tee without door			
c	110 x110 x110 mm dia PVC	each	4	265.5
	Band 87.5			
d	110 mm dia PVC	each	8	173.7
19	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade new steel work	sqm	45.36	60.7
20	Applying one coat of distemper primer of approved brand and manufacture on wall surface:	Sqm.	45.36	26.1

	Distemper primer			
21	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	72	927.5
22	Finishing walls with Acrylic Smooth exterior paint of required shade :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	30	68.8
23	Providing and fixing 15 cm wide 45 cm over all semi circular plain G.S. sheet gutter with iron brackets 40x3 mm size bolts, nuts and washers etc. including making necessary connections with rain water pipes complete. 12.9.3 0.80 mm thick with zinc coating not less than 275 gm/m2.	rmt	15	460.1
24	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams persqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using selfdrilling/ self tapping screws complete :12.51.1 Ridges plain (500 - 600mm)	Rmt	12	633.9
25	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	26	162.76

b	Sone Sand (45 km from Koelwar)	Cum	45.27	545.8
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	14.79	1593.64
d	Bricks (7P+ 1K)	%o	6.798	476.5
e	Difference of Cost of Bricks	%o	6.798	1088.9
f	Difference of Cost of Cement	tonn	4	818.35

NOTE:- Contractors are requested to quote their rates % above / % below / at estimated rate For Schedule Item .

- 1- Issued to :
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors
I.G.I.M.S., Patna

Superintending Engineer