

# INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

## FINANCIAL BID SHEET

Sl. No.-08 Tender Notice No.92 (C&E)/E-Tender/2016-17

Sl. No.	Name of the Work	-	Repair and Painting with water supply and Sanitary Installation work of New MNH at IGIMS, Patna
1	Estimated Cost (In Rs.)	-:	43,09,162.00
2	Earnest Money (In Rs.)	-:	86,200.00
3	Cost of B.O.Q. (In Rs.)	-:	5,000.00
4	E-tendering fee (Non Refundable) (In Rs.)		1,145.00
5	Time of completion	-:	120Days
6	1. Date/ time for obtaining BOQ (Only on www.eproc.bihar.gov.in)		11/04/2016 to 02/05/2016 till 3.00 PM
7	4. Last date/ time for submission of completed tender :-		02/05/2016 at 3.30 PM Documents (only on www.eproc.bihar.gov.in) ( Hard Copy must be submitted in the office of Director, Igims, Sheikhpura, Patna till 3:30 pm
8	5. Date/ place of opening of tender :-		04/05/2016 at 3.30 PM in Conference Hall of IGIMS, Patna
9	6. Date/ place of opening of tender (Financial bid only on www.eproc.bihar.gov.in)		Date of opening of price bid of technically viable tender shall be intimated only through www.eproc.bihar.gov.in and on Institute web site

### SUBHEAD:- (A)-REPAIR AND PAINTING WORK

1	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 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(1 cement:4 coarse sand)	sqm	900.00	150.10	1,35,090.00
2	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches etc. Complete.	Sqm.	5,882.00	5.40	31,762.80
3	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	5,882.00	20.20	1,18,816.40
4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motor 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM	50.00	754.20	37,710.00
5	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood)	sqm	693.00	25.20	17,463.60
6	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	591.00	21.30	12,588.30
7	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:				-
a	Old steel work (one or more coats)	sqm	591.00	38.70	22,871.70
b	Old wood work (one more coats)	sqm	693.00	38.70	26,819.10
8	Extra for washed grit plaster on exterior walls of height more than 10 m from ground level for every additional hight of 3 m or part there of	sqm	500.00	38.90	19,450.00
9	Providing and laying Ceramic glazed floor tiles 400x400 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755 of NITCO , ORIENT , SOMANY , KAJARIA or equivalent make in colours except white , Ivory , Grey , Fume , Red , Brown , laid on 20 mm thick cement motar 1:4 (1 cement: 4 Coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	sqm	120.00	1,229.00	1,47,480.00
10	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				-
a	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	sqm	2,460.00	81.70	2,00,982.00
11	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	1,221.00	76.80	93,772.80
12	Providing and fixing flush door shulter of century board or greenply or kitply have non decorative typecore 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.	25.00	2,750.00	68,750.00
13	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:				-
a	300x16 mm	each	60.00	222.70	13,362.00
14	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	300x10 mm	each	50.00	114.10	5,705.00

15	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except necessary hinges or pivots as required	sqm	26.00	2,928.10	76,130.60
16	Providing and fixing bright finished brass peg stays 300 mm long of minimum weight 330 gms.to side hung steel windows with necessary welding and machine screws etc. complete.	each	100.00	180.60	18,060.00
17	Providing and fixing bright finished brass casement window fastners of minimum weight 200 gms to side hung steel windows with necessary welding and machine screws etc. complete.	each	100.00	73.60	7,360.00
18	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. complete100mm	Each	100.00	71.00	7,100.00
19	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	56.00	82.70	4,631.20
20	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all completeFixed to steel windows by welding	kg	150.00	92.70	13,905.00
21	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	1,500.00	3.69	5,535.00
22	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	200.00	192.50	38,500.00
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 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 : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	5.00	3,035.40	15,177.00
24	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 :	each	5.00	2,120.30	10,601.50
25	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	rmt	20.00	166.90	3,338.00
b	20 mm dia nominal bore	rmt	20.00	207.30	4,146.00
c	25 mm dia nominal bore	rmt	30.00	270.20	8,106.00
d	32 mm dia nominal bore	rmt	30.00	320.60	9,618.00
e	40 mm dia nominal bore	rmt	30.00	395.50	11,865.00
f	50 mm dia nominal bore	rmt	30.00	491.10	14,733.00
26	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	110.00	241.00	26,510.00
b	20 mm nominal outer dia Pipes	metre	95.00	269.60	25,612.00
27	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				-
a	25 to 40 mm nominal bore	each	2.00	250.20	500.40
28	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	112.00	497.00	55,664.00
29	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	84.00	670.70	56,338.80
30	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				-
a	25 mm nominal bore	each	7.00	463.80	3,246.60
b	32 mm nominal bore	each	7.00	542.40	3,796.80
c	40 mm nominal bore	each	7.00	633.30	4,433.10
d	50 mm nominal bore	each	4.00	812.40	3,249.60
31	Providing and fixing gun metal non- return valve of approved quality (screwed end) :				-
32	40 mm nominal bore,Vertical	each	4.00	978.90	3,915.60
33	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	56.00	242.70	13,591.20
b	25 mm nominal bore	each	10.00	280.50	2,805.00
c	32 mm nominal bore	each	7.00	324.60	2,272.20

d	40 mm nominal bore	each	7.00	406.40	2,844.80
e	50 mm nominal bore	each	10.00	512.20	5,122.00
34	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	40 mm nominal bore, 206mm long, weighing not less than 690 gms	each	2.00	1,051.10	2,102.20
35	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	112.00	140.90	15,780.80
36	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	200.00	214.20	42,840.00
b	75 mm diameter	rmt	50.00	127.40	6,370.00
37	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	Coupler				-
	75mm	each	10.00	108.90	1,089.00
	110mm	each	20.00	144.70	2,894.00
b	Single pushfit coupler				-
	75mm dia PVC	each	10.00	129.10	1,291.00
	110 mm dia PVC	each	20.00	181.20	3,624.00
c	Single tee with door				-
	75x75x75 mm dia PVC	each	10.00	228.30	2,283.00
	110 x110 x110 mm dia PVC	each	20.00	315.90	6,318.00
d	Single tee without door				-
	75x75x75 mm dia PVC	each	10.00	203.10	2,031.00
	110 x110 x110 mm dia PVC	each	20.00	265.50	5,310.00
e	Band 87.5				-
	75 mm dia PVC	each	25.00	116.50	2,912.50
	110 mm dia PVC	each	25.00	173.70	4,342.50
f	Shoe plain				-
	75mm shoe	each	14.00	180.70	2,529.80
	110m Shoe	each	21.00	314.73	6,609.33
38	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	75 mm	each	170.00	119.80	20,366.00
b	110 mm	each	350.00	138.65	48,527.50
39	Demolishing cement concrete including disposal of material within 50 metre lead:				-
a	1:3:6 or richer mix	cum	11.20	511.00	5,723.20
40	Renewing glass panes, with putty and nails wherever necessary:Float glass panes weighing 10 kg/m2 (4mm thick glass)	Sqm.	90.00	621.60	55,944.00
41	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	Sqm.	1,500.00	184.50	2,76,750.00
42	Brick work with bricks of class designation 100A in foundations and plinth in :Extra for Brick work in superstructure above plinth level upto floor V cum	cum	5.00	4,525.40	22,627.00
43	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Cement mortar 1:4 (1 cement: 4 coarse sand),Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm	50.00	538.30	26,915.00
44	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:				-
a	1:1.5:3(1 Cement:1.5 coarse sand: 3 graded stone aggregate 20mm nominal size)	cum	5.00	3,741.30	18,706.50
45	Earth work in rough excavation , banking excavated earth in layer not exceeding 20 cm in depth , breaking clods watering , rolling each layer with 1/2 tonne roller or wooden or steel rammers and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks , marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m				-
a	All Kinds of soil	cum	50.00	222.00	11,100.00
46	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	rmt	50.00	337.10	16,855.00
b	250 mm dia. R.C.C. Pipe	rmt	60.00	438.70	26,322.00

47	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 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 :					-
48	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) :	each	10.00	6,641.80		66,418.00
49	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	cum	300.00	66.40		19,920.00
50	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)	cum	33.00	1,950.00		64,350.00
51	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, deboning strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing )	cum	66.00	4,882.00		3,22,212.00
52	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	105.60	365.10		38,554.56
	<b>Construction of 2 Nos, Septic tank of size- (5M X 2.5M X 2.1M ).</b>					-
53	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	340.2	205.20		69,811.09
54	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like	kl	500.0	61.70		30,850.00
55	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	145.4	192.50		27,981.42
56	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	49.6	227.60		11,284.41
57	Providing and laying in position cement concrete of specified grade excluding 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	10.0	3741.30		37,413.00
58	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	41.7	3881.20		1,61,799.47
59	Centring and shuttering including strutting,propping etc. and removal of form for.					-
a	Foundations, footings, bases of columns etc. for mass concrete.	sqm	20.3	166.70		3,380.68
b	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	sqm	276.8	248.10		68,661.68
c	Lintels, beams, plinth bams, griders, bressumers and cantilevers.	sqm	4.4	251.30		1,093.16
d	Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	12.6	344.40		4,339.44
e	Suspended floors, roofs, landings, balconies and access platform with water proofply 12 mm thick.	sqm	43.8	379.40		16,632.90
60	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	321.8	156.20		50,265.16
61	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:					-
a	15 mm cement plaster 1:3(1 cement :3 sand)	sqm	321.8	8.70		2,799.66
62	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	1419.8	74.40		1,05,634.61
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	3177.7	73.10		2,32,289.87
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia	kg	172.4	71.80		12,378.32
d	Thermo-Mechanically Treated bars TMTC-500-20mm dia	kg	143.4	72.20		10,356.37
63	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	13.0	66.40		860.54

64	Making connection of drain or sewer line with existion manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix cement platered on both sides and making necessary channels for the drain etc. complete.				-
a	for pipes 100 to 250 mm diameter	each	32.0	231.50	7,408.00
65	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	643.4	337.10	2,16,893.51
b	250 mm dia R.C.C. pipe	metre	100.0	438.70	43,870.00
66	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 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 :				-
67	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	10.0	6641.80	66,418.00
68	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ).	Cum	12.8	4184.00	53,638.88
69	12 mm cement plaster 1:3( 1 cement: 3 coarse sand) finished with a floating coat of near cement	sqm	102.6	138.00	14,158.80
70	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 aggregate 20 mm nominal size)	cum	4.3	3881.20	16,766.78
71	<b>Extra cost for carriage of Material</b>				-
a	Local Sand	Cum	445.36	205.29	91,427.54
b	Course Sand	Cum	40.00	690.74	27,629.60
c	Stone Aggreccate	Cum	139.10	2,018.12	2,80,720.49
d	Bricks	%	20.00	601.67	12,033.40
e	Diff. Cost of Bricks	%	20.00	1,473.55	29,471.00
f	Diff. Cost of Cement	Tonn	50.00	798.89	39,944.50
<b>TOTAL AMOUNT(IN Rs):-</b>					<b>43,09,162.25</b>
<b>say:-</b>					<b>43,09,162.00</b>
<b>PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")</b>					
1	Total Amount of Civil WORK			Rs. :-	<b>43,09,162.00</b>
2	Name of the Bidder			:-	
3	Address of the Bidder			:-	
4	For Civil Work= I/we offer in Figures..... in words..... % (Percentage) High / Less/Estimated rate are mentioned in the Bill of quantity.)			IN FIG.	
5				IN WORDS	
6				HIGH, Low, As per estimate rate	
					Director, IGIMS, Sheikhpura, Patna - 14