

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

FINANCIAL BID SHEET

Sl. No.- 01 Tender Notice No.100(C&E)/E-Tender/2016-17

Sl. No.	Name of the Work	:-	Construction of 'C'-Type Quarter at IGIMS Patna		
1	Estimated Cost (In Rs.)	:-	230,50,000.00		
2	Earnest Money (in Rs)	:-	4,61,000.00		
3	Cost of B.O.Q. (In RS)	:-	10,000.00		
4	E-tendering fee (Non Refundable) (In Rs)	:-	17,175.00		
5	Time of completion (In Days)	:-	270.00		
6	Date/ time for obtaining BOQ (Only on www.eproc.bihar.gov.in)	06/10/2016 to 27/10/16 till 3.00 PM			
7	Last date/ time for submission of completed tender (Online only):-	28/10/2016 at 2.00 PM Documents (only on www.eproc.bihar.gov.in) (Hard Copy must be submitted in the office of Director, Iqims,			
8	Last date/ time for submission of completed tender (in Hard Copy):- (Hard Copy must be submitted in the office of Director, Iqims, Sheikhpura, Patna	28/10/2016 till 4.00PM Documents (only on www.eproc.bihar.gov.in)			
9	Date/ place of opening of tender (Technical Bid Only on www.eproc.bihar.gov.in) :-	31/10/2016 at 3.30 PM in Conference Hall of IGIMS, Patna (Technical bid only on www.eproc.bihar.gov.in)			
10	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 www.igims.org.			
Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION TEN : PILE WORK				-
1	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				
a	300 mm dia piles	meter	850.00	1,934.20	16,44,070.00
2	Extra over item No. 23.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are				-
a	300mm dia piles	each	75.00	1,240.10	93,007.50
	SUB HEAD-I :- EARTH WORKS				-
3	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				-
a	All kinds of soil	cum	190.00	205.20	38,988.00
4	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	84.00	66.40	5,577.60
5	Supplying and filling in plinth with local sand under floors including, watering, ramming consolidating and dressing complete.	cum	260.00	192.50	50,050.00
6	Supplying chemical emulsion in sealed containers including delivery as specified				-
a	Chlorovrighos/Lindone emulsifiable concentrate of 20%	litre	28.00	201.60	5,644.80
7	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termites' treatment(including the cost of chemical emulsion)				-
8	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling and plugging 12 mm diameter holes with cement mortar 1:2 (1 cement: 2 coarse sand) to				-

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
a	With Chlorpyriphos EC 20% with 1% concentration	cum	245.00	183.00	44,835.00
	SUB HEAD-II :- CONCRETE WORKS				-
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.				-
a	1:4.8 (1 Cement :4 coarse sand :8 graded stone agregate 40 mm nominal size)	cum	25.00	2,346.90	58,672.50
10	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 graded stone aggregate 20 mm nominal size)	cum	70.00	4,455.00	3,11,850.00
11	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	sqm	35.00	319.30	11,175.50
	SUB HEAD-III :- RCC WORK				-
12	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced				-
a	All work upto plinth level	cum	130.00	3,910.80	5,08,404.00
13	All work from plinth level upto floor V level				-
a	Walls columns, pillars, posts and struts	cum	70.00	4,201.30	2,94,091.00
14	Beams, plinth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	cum	240.00	4,403.10	10,56,744.00
15	Add or deduct for providing richer or leaner mixes respectively at ail floor levels				-
a	Proiding M-25 grade R.C.C. instead of M-20 grade R.C.C.	cum	232.00	158.80	36,841.60
	FORM WORK				-
16	Centring and shuttering including strutting,propping etc. and removal of form for				-
a	Foundations, footings, bases of columns etc. for mass concrete.	sqm	350.00	166.70	58,345.00
b	Suspended floors, roots, landings, balconies and access platform.	sqm	840.00	275.60	2,31,504.00
c	Lintels, beams, plinth bams, grids, bressumers and cantilevers.	sqm	840.00	251.30	2,11,092.00
d	Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	735.00	344.40	2,53,134.00
e	Stairs,(excluding landings) except spiral staircases.	sqm	125.00	321.50	40,187.50
17	Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shutering and de centring at all levels over a height of 3.5 m ,for every additional height of 1 metre or part thereof (Plan area to be measured)				-
a	Suspended floors,roots,laning,beams and balconies(Plan area to be measured)	sqm	700.00	105.50	73,850.00
	STEEL REINFORCEMENT				-
18	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	5,250.00	74.40	3,90,600.00
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	13,597.50	73.10	9,93,977.25
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	12,600.00	71.80	9,04,680.00
d	Thermo-Mechanically Treated bars TMT Fe-500-16mrn dia.	kg	13,650.00	72.80	9,93,720.00
e	Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	ky	10,500.00	72.20	7,58,100.00
f	Thermo-Mechanically Treated bars TMT Fe-500-25rnm dia.	kg	8,400.00	72.20	6,06,480.00
	SUB HEAD-IV :- BRICK WORK				-
19	Brick work with bricks of class designation 100A in foundations and plinth in .				-
a	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	125.00	3,992.90	4,99,112.50
20	Extra for Brick work in superstructure above plinth level upto floor V level	cum	100.00	434.60	43,460.00
21	Brick work 7cm thick with brick of class designation 100A in cement mortar 1:3(1 cement :3 coarse sand) in superstructure	sqm	170.00	376.80	64,056.00
	HALF BRICK MASONRY				-
22	Half brick masonry with bricks of class designation 100A in foundations and plinth in .				-
23	Cement mortar 1:4 (1 cement :4 coarse send)	sqm	795.00	490.80	3,90,186.00

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
24	Extra for half Brick masonry in superstructure above pinth level upto floor V level	sqm	795.00	47.50	37,762.50
25	Extra for providing and placing in position 2 Nos, 6 mm dia , MS bars at every third course of half brick masonry (with F. P. S. bricks)	sqm	795.00	75.90	60,340.50
	SUB HEAD-V :- STRUCTURAL STEEL WORK				-
26	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel				-
a	In stringers, treads landings etc. of stair cases	kg	400.00	75.30	30,120.00
27	Providing and fixing hand rail by welding etc. to steel ladder railings & staircases railing including applying a priming coat of approved steel				-
a	MS tube (medium) 40mm nominal bore	kg	350.00	91.10	31,885.00
28	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				-
a	Fixed to steel windows by welding	Kg	4,500.00	91.50	4,11,750.00
	SUB HEAD-VI :- DOOR AND WINDOW WORK				-
29	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position				-
a	Sal wood	cum	5.50	74,774.30	4,11,258.65
30	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative type core of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, I-drope, twoer bold etc as per specification of E/S.	Sqm.	170.00	2,750.92	4,67,656.40
31	Providing and fixing flush door shutters conforming to IS : 2202 (Part-I) non-decorative type. core of block board construction with frame of 1st class tiard wood and well mathched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				-
a	25 mm thick (for cub-board) including nickel plated bright finished M.S.piano hinges with necessary	sqm	206.40	1,405.60	2,90,115.84
32	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	394.00	428.20	1,68,710.80
33	Providing 40x5 mm flat iron hold fast 40cm long including fixing to frame with 10mm diametre bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6(cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	each	448.00	80.80	36,198.40
34	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners 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 free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately) :				-
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber /neoprene gasket required (Fittings				-
a	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	2,000.00	433.00	8,66,000.00

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
35	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.(Cost of aluminium snap bading shall be paid in basic item.)				-
a	With glass panes of 5.50 mm thickness(weight not less than 13.75 kg/sqm)	sqm	120.00	1,013.20	1,21,584.00
	Providing and fixing hardwares for Door :				-
36	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				-
a	125 mm	each	56.00	71.00	3,976.00
b	100 mm	each	56.00	55.80	3,124.80
37	Providing and fixing aluminium 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	56.00	114.10	6,389.60
b	100x10 mm	each	56.00	52.10	2,917.60
38	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with	each	56.00	35.60	1,993.60
39	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc.				-
a	300x16 mm	each	56.00	222.70	12,471.20
b	250x16 mm	each	56.00	184.90	10,354.40
40	Providing and fixing bright finished brass 100mm mortice latch and lock with 6 lever handles with necessary screws etc. complete.(best make of approved quality)	each	16.00	519.00	8,304.00
41	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. complete.	each	16.00	756.10	12,097.60
42	Providing and fixing 50 cm long aluminium kicking plate 100x3.15 mm 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:	each	16.00	173.30	2,772.80
	SUB HEAD-VII :- FLOORING WORK				-
43	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete				-
a	25mm thick	sqm	110.00	968.00	1,06,480.00
44	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and 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 slabs, including rubbing and polishing complete.	sqm	114.00	927.50	1,05,735.00
45	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc.,				-
a	Size of Tile 60x60 cm	sqm	684.00	1,671.90	11,43,579.60
46	Cement concrete pavement with 1:2:4(1 cement:2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including finished complete.	cum	17.90	4,150.50	74,293.95
47	Extra for making cheques of approved pattern on cement concrete floors, steps landing pavements etc	sqm	174.00	20.10	3,497.40

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
48	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 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..	sqm	70.00	788.60	55,202.00
49	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 Motar 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	310.00	754.20	2,33,802.00
50	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, mix with matching pigament-epoxy touch ups. including rubbing, curing etc. complete at all lbevels.				-
a	Area of each slab over 0.2 sqm but upto 0.5 sqm Granite of any colour and shade	sqm	100.00	3,319.10	3,31,910.00
51	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer -in -				-
a	Granite work	m	150.00	239.10	35,865.00
52	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform. Vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc. including rubing and polishing of cut edges etc. complete.	opening	16.00	21.30	340.80
53	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/#	sqm	400.00	227.60	91,040.00
SUB HEAD-VIII :- PAINTING AND FINISHING WORK					
54	12mm cement plaster of mix :				-
a	1:6 (1 cement : 6 fine sand)	sqm	2,700.00	89.30	2,41,110.00
55	15 mm cement plaster on rough side of single or half brick wall of mix 1:4(1 cement: 4 coarse sand)	sqm	600.00	116.30	69,780.00
56	6 mm cement plaster to ceiling of mix :				-
a	1:3(1 cement: 3 coarse sand)	sqm	959.00	82.90	79,501.10
57	Distemping with oil bound washa ble distemper of approved brand and manufacture to give an even shade .New work (two or more coats) over and including	sqm	3,518.55	64.00	2,25,187.20
58	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				-
59	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	sqm	900.00	81.70	73,530.00
60	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	4,418.55	76.40	3,37,577.22
61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				-
a	New work (three or more coats)	sqm	300.00	10.30	3,090.00
62	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade				-

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
a	New wood work (two or more coats)	sqm	200.00	60.70	12,140.00
	SUB HEAD - IX - ROOFING AND WATER PROOFING WORK				-
63	Roof treatment with electrometric membranous bitumen and synthetically polymerized resin coating providing and laying in situ water proofing treatment with ENI roof EMB (Electrometric polymerized coating) in three coeres including priming the surface with ENI roof EMB primer 1:1 to seal the porosity of the substrate coating 1st layer of ENI roof EMB (Non-Commendation Coating) adding 15 % to 20% of water. Embedding non wove Geo synthetic Geo Membranes as reinforcement in 1st coating while the coating is steel green after an interval of 3 to 4 hours, coating primer ENI Roof SPR adding 15 % to 20% of water sprinkling sand to create key plaster curing the coating and plastering to be paid separately all complete job including cost of material and labour including all taxes royalty, charge of all equipment machinery etc, to carry out job as per specification and direction of E/I	Sqm	260.00	518.50	1,34,810.00
64	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	each	20.00	141.50	2,830.00
65	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams	each	20.00	40.40	808.00
66	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				-
a	In 75 x75 mm deep chase	sqm	50.00	83.80	4,190.00
	SUB HEAD-X :- MISCELLANEOUS WORK				-
65	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top	sqm	60.00	319.30	19,158.00
67	Carriage of cost of material				-
a	Local Sand / Earth soil (3 Km)	Cum	800.00	205.29	1,64,232.00
b	Sone Sand (45 km from Koelwar)	Cum	800.00	690.74	5,52,592.00
c	Stone Aggreagate ,(156 Km From Domchch, Koderma	Cum	700.00	2,018.12	14,12,684.00
d	Bricks (7P+ 1K)	%o	90.00	601.67	54,150.30
e	Difference of Cost of Bricks	%o	90.00	1,473.55	1,32,619.50
f	Difference of Cost of Cement	tonn	400.00	798.89	3,19,556.00
	Septic Tank size = 5m x 2.5m x 2.1m (deep) - finished size				-
68	Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well es 10 sqm on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and				-
a	All Kinds of soil	cum	30.00	200.70	6,021.00
69	Close timbering over areas including strutting, shoring and packing, cavities (wherever required) etc. complete (Measurements to be taken of the face and thickness)				-
a	Depth exceeding 1.5 m but not exceeding 3 m	sqm	30.00	102.60	3,078.00
70	Extra for every additional lift of 1.5 m or part thereof in :				-
a	All kinds of soil.	cum	30.00	26.10	783.00
71	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	2.50	192.50	481.25
72	Providing designation 100 B 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, but excluding carriage cost of bricks &	sqm	26.25	211.30	5,546.63
73	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	3.75	3,819.20	14,322.00

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
74	Brick work with bricks of class designation 100A in foundations and plinth in .				-
a	Cement mortar 1 :4 (1 cement: 4 coarse sand)	cum	12.50	4,184.00	52,300.00
75	Half brick masonry with bricks of class designation 100A in foundations and plinth in .				-
a	Cement mortar 1:4 (1 cement: 4 coarse send)	sqm	6.25	490.80	3,067.50
76	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, 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	1:2:4(1 cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	7.00	3,994.40	27,960.80
77	Reinforced cement conrete work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforce ment with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20 mm nominal	cum	5.00	4,052.00	20,260.00
78	Centring and shuttering including strutting,propping etc. and removal of form for				-
a	Foundations, footings, bases of columns etc. for mass concrete.	sqm	7.50	166.70	1,250.25
b	Lintels, beams, plinth bams, grids, bressumers and contilevers.	sqm	5.00	251.30	1,256.50
c	Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	3.75	344.40	1,291.50
79	15 mm cement plaster on rough side of single or half brick wall of mix.				-
a	1:4 (1 cement: 4 coarse sand)	sqm	15.00	116.30	1,744.50
80	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	58.75	156.20	9,176.75
81	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	600.00	74.40	44,640.00
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	Kg	600.00	73.10	43,860.00
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	Kg	300.00	71.80	21,540.00
82	Providing M.S. foot rests including fixing in manholes with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :				-
a	With 20x20 mm square bar	Each	15.00	275.50	4,132.50
83	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				-
	EHD - 35				-
a	Circular shape 560 mm internal dia	Each	5.00	1,714.50	8,572.50
84	Carriage of material				-
a	Local Sand / Earth soil (3 Km)	Cum	12.00	205.29	2,463.48
b	Sone Sand (45 km from Koelwar)	Cum	20.00	690.74	13,814.80
c	Stone Aqgregate .(156 Km From Domchch, Koderma	Cum	25.00	2,018.12	50,453.00
d	Bricks (7P+ 1K)	%o	8.00	601.67	4,813.36
e	Difference of Cost of Bricks	%o	8.00	1,473.55	11,788.40
f	Difference of Cost of Cement	tonn	10.00	798.89	7,988.90
	WATER SUPPLY & SANITATION				-
85	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast iron P or S trap. 10 liters low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fistures complete including cutting and making good they walls and floors wherever required.				-
a	White Vitreous china orissa pattern W.C. pan of size 580x440mm with integral tpene foot rests	Each	8.00	3,035.40	24,283.20
86	Providing and fixing white vitreous china pedestal type water closet (European Type) with seat lid. 10 litre low level white vitreous china flushing cistern & C.P. flush bend fittings & C.I. brackts, cutting and making good the walls and floors whwerver required. W.C. pan with ISI marked	Each	8.00	4,470.30	35,762.40

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
87	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass taps 32mm, C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wall and floor wherever				-
a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm C.P. brass pillar tap	Each	16.00	1,838.20	29,411.20
88	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete				-
	Semi rigid pipe				-
a	32 mm dia	Each	16.00	81.10	1,297.60
89	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting this includes jointing of pipes & fitting with one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)				-
a	32 mm nominal outer dia pipes(main Water Supply)	metre	80.00	251.10	20,088.00
b	25 mm nominal outer dia pipes	metre	100.00	193.80	19,380.00
c	20 mm nominal outer dia pipes	metre	200.00	146.40	29,280.00
d	15 mm nominal outer dia pipes	metre	60.00	125.10	7,506.00
90	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc				-
a	20 mm dia nominal bore	metre	155.00	207.30	32,131.50
b	25mm dia nominal bore	metre	155.00	270.20	41,881.00
c	32 mm dia nominal bore	metre	24.00	320.60	7,694.40
91	Providing and fixing C.P. brass bib cock of approved quality conforming to IS-8931	Each	51.00	497.00	25,347.00
a	Providing and fixing brass stop cock of approved quality.				-
	20 mm nominal bore	Each	70.00	372.90	26,103.00
92	Providing and fixing ball valve (brass)of approved quality High or Low Pressur with plastic floats complete				-
a	25 mm nominal bore (3 no. of floor)	Each	4.00	484.40	1,937.60
93	Providing and fixing C.P.brass shower with 15 or 20 mminlet.				-
a	150 mm diameter.	Each	16.00	92.80	1,484.80
94	Providing and Fixing stainless steel A ISI 304 (18/8) Kitchen sink as per IS: 13983 with C. I. brackets and stainless steel plug 40 mm , including painting of fitting and brackets, cutting and making good the walls wherever				-
	Kitchen sink without drain board				-
a	610 X 460 mm bowl depth 200mm	Each	8.00	4,069.70	32,557.60
95	Providing and fixing on wall face unplastidse -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal				-
	Kitchen , Toilet & Rain Water Drainage				-
a	75 mm diameter	metre	100.00	127.40	12,740.00
b	110 mm diameter	metre	350.00	214.20	74,970.00
					-
96	Providing and fixing on wall face unplastidse -PVC molded fitting/accessories for unplastidised PVC rain water pipes conforming to S: 4985 including jointing with seal ring conforing to IS:5382 leaving 10 mm				-
a	Coupler				-
	75 mm	each	32.00	129.10	4,131.20
	110 mm	each	48.00	181.20	8,697.60
b	Single tee with door				-
	75 mm	each	32.00	228.30	7,305.60
	110 mm	each	48.00	315.90	15,163.20
c	Band 87.5°				-
	75mm bend	each	46.00	116.50	5,359.00
	110mm bend	each	46.00	173.70	7,990.20
d	Shoe plain				-
	75 mm shoe	each	32.00	180.70	5,782.40
	110 mm shoe	each	48.00	314.73	15,107.04
97	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				-
a	150 mm dia. R.C.C. Pipe	rmt	100.00	337.10	33,710.00

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
b	250 mm dia. R.C.C. Pipe	rmt	50.00	438.70	21,935.00
98	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				-
a	for pipes 100 to 250 mm diameter	metre	150.00	231.50	34,725.00
99	Construction brick masonry chamber for underground C.I. inspection chamber and bends with brick in cement mortar 1:4 C.I. cover with frame 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg R.C.C. top slab with 1:2:4 mix foundation concrete 40 mm nominal size inside plastering 12 mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design				-
a	inside dimension 600x850 mm and 45 cm deep for pipe line with three or more inlets:	Each	12.00	5,195.00	62,340.00
100	Extra for depth beyond 45cm of brick masory chamber:				-
a	for 600 x 850 mm size				-
101	Providing and fixing PTMT liquid soap container 109mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the				-
a	Container	Each	30.00	197.00	5,910.00
102	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but	per litre	5,000.00	6.80	34,000.00
103	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long,200mm wide with minimum distances of 37 mm,weighing not less than 88 gms				-
a	Container	Each	32.00	189.40	6,060.80
104	Providing and fixing PTMT soap dish holder having length of 138mm, breadth 102 mm height of 75mm with concealed fitting arrangements,				-
a	soap dish holder	Each	32.00	165.00	5,280.00
105	Providing and fixing PTMT grating of approved quality and colour.				-
a	125mm nominal dia with 25 mm waste hole.	Each	32.00	61.80	1,977.60
Total Amount (Rs.) Civil Work (A)					207,53,447.07
Electrical work					
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	Point	300.00	718.00	2,15,400.00
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way 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.	Point	8.00	770.00	6,160.00
3	Wiring for light/power plug with 2x4sq.mm. FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1nos 4 sq.mm. FRLS PVC insulated copper conductor single core cable for loop earthing as required	metre	2,640.00	162.00	4,27,680.00
4	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				-
a)	2X1.5 sq.mm.+1x1.5 sq.mm.earth wire	metre	480.00	106.00	50,880.00
b)	2 X 2.5 sq.mm.+1x2.5 sq.mm.earth wire	metre	1,290.00	131.00	1,68,990.00
d)	4X10 sq.mm.+2x10 sq.mm.earth wire	metre	242.00	597.00	1,44,474.00
5	supplying and drawing following size of FRLS PVC insulated copper conductor single core cable in the existing surface / recess steel/PVC				-
a)	2X1.5 sq.mm	metre	1,060.00	36.00	38,160.00

SI. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface in recess including providing and fixing 5 pin, 5/6 amps modular socket outlet and 5/6 amps modular type switch connection,	Each	110.00	303.00	33,330.00
7	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,	Each	95.00	395.00	37,525.00
8	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, testing and commissioning etc. as required.				-
a)	400Amp,50KA,FPMCCB	Each	1.00	21,172.00	21,172.00
9	Supply and fixing following capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc.as required.				-
a)	400 Amps	Each	1.00	12,372.00	12,372.00
10	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required (But without MCB/ RCCB/ Isolator)				-
a)	8 way (4+24). double door.	Each	10.00	10,405.00	1,04,050.00
11	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				-
a)	Single Pole	Each	192.00	169.00	32,448.00
12	supply and fixing following rating 240 volts C series miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connection, testing and commissioning etc. as required				-
a)	50/63 amps, TPN	Each	24.00	1,460.00	35,040.00
13	Supply and fixing following way single pole and neutral, sheet steel, MCB distribution board 240 volts, on surface/recess complete with tinned copper busbar neutral busbar, earth bar, din bar, interconnections, phosphatised and powder painted including earthing etc.as required.(but without				-
a)	2 + 12 way. Double door	Each	8.00	1,344.00	10,752.00
14	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	32.00	954.00	30,528.00
15	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required				-
a)	2 pair	meter	748.00	18.00	13,464.00
16	Supplying and fixing following modular switch/socket on the existing modular plate and switch box including connection but excluding modular plate etc.as required.				-
a)	Telephone socket outlet	Each	24.00	95.00	2,280.00
b)	T V antenna socket outlet	Each	24.00	94.00	2,256.00
17	supplying and drawing co-axial TV cable RG-6 grade 0.7 mm solid copper conductor PE insulated shielded with fine tinned copper braid and protected with PVC sheath in the existing surface /recessed conduit as	meter	735.00	28.00	20,580.00
18	Supplying and fixing following size/modular G.I. box along with modular base and cover plate for modular switches in recess etc. as required.				-
a)	1 or 2 module (75mmx75mm)	Each	24.00	166.00	3,984.00
b)	12 module (200mm x150mm)	Each	1.00	334.00	334.00

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
19	supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				-
a)	25mm	metre	775.00	65.00	50,375.00
20	Supplying and fixing batten/angle holder including connectin etc.as required	Each	140.00	28.00	3,920.00
21	Supplying and fixing electronic musical call bell suitable for D.C./A.C.single phase 230 volts complete as required	Each	8.00	231.00	1,848.00
22	Installation, testing and commissioning of pre wired, flourescent fittings/compact flourescent fitting of all type, complete with all accessories and tube etc. directly on ceiling/wall, including connection with 1.5 sq.mm. FRLS PVC insulated, copper conductor, single core cable and earthing	Each	50.00	91.00	4,550.00
23	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto30cm) with 1.5sqmm. FRLS PVC insulated, copper conducotor, single core cable etc. as required.	Each	32.00	95.00	3,040.00
24	supplying and fixing stepped type electronic fan regulators on the existing modular plate switch box, including connections but excluding modular plate etc as required	Each	32.00	284.00	9,088.00
25	Installation of Exhaust fan in the existing opening, including making good the damage, connection, testing commissioning etc as required				-
a)	Upto 450 mm sweep	Each	24.00	204.00	4,896.00
26	Earthing with G.I. pipe 4.5m long 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as	Each	4.00	3,926.00	15,704.00
27	providing and fixing 25mmx5mm G.I. strip on surface or in recess for connections etc as required	Meter	48.00	142.00	6,816.00
28	supplying and fixing following types lamp in existing electrical fitting/fixures etc as required				-
a)	23 watt CFL lamp	Each	120.00	195.00	23,400.00
29	supplying and fixing HPSV street light luminaire with single dia cast aluminium housing and UV stabilized acrylic cover, suitable for 250watt HPSV lamp complete with all accessories including 250watt lamp and	Each	9.00	4,490.00	40,410.00
30	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required				
a)	3½ X 120 sq. mm (45mm)	meter	2.00	484.00	968.00
31	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench				-
	Above 95 sq. mm and upto 185 sq. mm	meter	98.48	210.00	20,680.38
	Total Amount (Rs.) Electrical Work (B)				15,97,554.38
	CIVIL NON SCHEDULE ITEM			1.00	-
1	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/cynoacrylate 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	sqm	60.00		-

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	Providing and fixing factory made PVC internal door frame of size 100mm*45 with a wall thickness of 5mm (+0.25), made out of extruded 5mm (+0.25) thick PVC Sheet of Density 600 Kgs/Cbm Manufacture by an ISO-9000 certified company, and by joining 3nos. heat bent PVC sheet sections. The inside section of size 90* 30mm shall be made from prelam colour PVC sheet of 5mm (+0.25) thickness. The inside section will be covered by sticking two sections of size 30 x 35mm and 70x45mm made from 5mm (+0.25) thick plain PVC sheet. The frame shall be miter cut at two corners and joined with 4 nos. of 150mm long brackets of 15mm x 15mm M.S. square tube. The two vertical door frames are to be reinforced with 40mm x 20mm M.S. tube of 19 guage through out the frame. The door frame shall be fixed to the wall using 8/100mm long M.S. Screws through the frame by using anchor fastners. A minimum of 4nos. of screws to be provided for each vertical member & vertical member.	rmt	125.26		-
Electrical Non Schedule item					
1	Supplying and laying following size and core PVC/ LPE insulated PVC sheathed, heavy duty, armoured electrical cable with aluminium conductor for working voltage upto and including 100volts.(conforms to is;1554,part-1)				-
a)	120sq.mm;3.5core	meter	90.00		-
2	Supply of LED Tube Light 18Watt/20watt/22watt, with fixture, 1200 mm length along with integrated driver,perfect retrofit for traditional F tube T10,Bi pin cap G13, , 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 Celsius to 60 Degree Celsius)	each	60.00		-
3	1200 mm ceiling fan, Copper armature winding with double ball bearing voltage 74 watt speed 400 RPM Air delivery 238 CFM (Havells SS390 or equivalent)	each	32.00		-
4	supply & installation of Exhaust fan 380 mm sweep 160 watt 1400 RPM 3600 CFM (Make havells /philips /haiai)	each	24.00		-
Total Amount of NSI					
PERMISSIBLE LIMIT UP TO 10% ("HIGH" OR "LOW")					
1	Name of the Bidder			:-	
2	Address of the Bidder			:-	
3	Total Amount of Civil Work (Schedule Item)			Rs. :-	207,53,447.07
4	For Civil Work= I/we offer in Figures..... in words..... % (Percentage) High / Less/Estimated rate are mentioned in the Bill of quantity.) Note:- Percentage(%) rate applicable for only on Schedule Items			IN FIG.	
5				IN WORDS	
6				HIGH, Low, As per estimate rate	
7	Total Amount of Electrical Work (Schedule Item)			Rs. :-	15,97,554.38

Sl. No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8	For Electrical Work= I/we offer in Figures..... in words..... % (Percentage) High / Less/Estimated rate are mentioned in the Bill of quantity.) Note:- Percentage(%) rate applicable for only on Schedule Items			IN FIG.	
9				IN WORDS	
10				HIGH, Low, As per estimate rate	
				Director, IGIMS, Sheikhpura, Patna - 14	