

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Painting and Other Miscellaneous work of RIO and Principal office at IGIMS Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 7,25,507/-
2	Earnest Money (In Rs.) :-	Rs. 14,600/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1,250/-
4	Time of completion :- (In Days)	30 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	Item Description	Unit	Qty.	Rate
	CIVIL SCHEDULE			
	SUB-HEAD :(A)- DISMANTLING ITEM 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 ing 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	Sqm	50.00	237.20
2	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.	150.00	81.10
3	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	435.00	9.70
4	Distempering with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	435.00	33.20

5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm.	35.00	54.30
6	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.			
a	New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	Sqm.	34.97	112.00
7	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing rrange and making necessary holes etc. for fixing equired door fittings, all complete as per direction of ngineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	Sqm.	12.00	5,143.00
8	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	6.00	2,959.00
9	Providing and fixing anodised aluminium work for doors,windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285,anodised trasparent 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 architectural drawings and the directions of Engineer-in-charge. (GlazingFor fixed portion and panelling to be paid for separately	kg	603.50	386.10
10	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
a	Pre-laminated particle board with decorative lamination on both sides	sqm	8.79	826.90
11	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary	Each	10.00	979.50

	accessories and screw etc. Complete.			
12	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	5.00	210.10
13	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	5.00	111.40
b	150x10 mm	Each	5.00	71.60
14	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	10.00	57.10
15	Providing and fixing bright finished brass handles with screws etc. complete:			
a	100mm	each	25.00	186.90
16	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.			
a	50 mm	each	35.00	222.00
17	Providing and fixing 4mm thick ACP 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 per architectural drawings and directions of engineer-in-charge	sqm	38.00	1,609.32
18	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 5.5 mm thickness	sqm	48.00	1,115.10
19	Providing & Fixing decorative high pressure laminated sheet of plain/ wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality			
a	1.5 mm thick	Sqm	65.00	795.60
20	Providing and fixing GI Clip in Metal Ceiling System of 600x600			

	mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join,C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring			
a	Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of GI sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. sqm	Sqm	15.00	1,626.30
21	Providing and fixing vertical blind with rolling track etc all completed	Sqft.	50.00	235.73
22	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	20.00	795.00
	CIVIL NON-SCHEDULE ITEM			
23	Providing and fixing 6mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge.	Sqm	20.00	.....
24	Providing and fixing 19 mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	Sqm	38.00	.....

Quoted Rates:for schedule item

- a-% above
- b-% below
- c-at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-02

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair and painting of STP and area development near Civil Store at IGIMS Patna-14		
1	Estimated Cost (In Rs.) :-	Rs. 4,98,525/-		
2	Earnest Money (In Rs.) :-	Rs. 10,000/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-		
4	Time of completion :- (In Days)	30 Days		
5	Date, time & place for submission of Complete tender-	As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT		
Sl. No.	Item Description	Unit	Qty.	Rate
1	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 aboveground level and removal of rubbish upto a distance of 50 m outside theperiphery of the area cleared.	Sqm.	110.00	6.97
2	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	232.00	287.30
3	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	3.72	4,420.80

4	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 ing 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	Sqm	130.00	237.20
5	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	130.00	81.10
6	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand)	Sqm.	107.45	176.40
7	Finishing walls with Acrylic Smooth exterior paint of required shade :		-	
a	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	Sqm.	1,296.13	137.00
8	Providing and fixing wash basin with C.I. brakets, 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 required.			
a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	1.00	2,369.90
9	Providing and fixing water closet squatting pan (Indian type W.C.pan)with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete,including cutting and making good the walls andlevel white P.V.C.flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and floorswherever required :			

10	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	1.00	4,470.90
11	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	3.00	434.20
12	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	1.00	594.80
13	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	32 mm nominal outer dia Pipes	metre	45.03	549.80
14	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
a	32 mm nominal bore	Each	15.00	306.00
b	25 mm nominal bore	Each	10.00	265.90
	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multichambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated)			

	touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealent shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of			
a	Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 SQM.)	Sqm.	4.90	7,074.90
16	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of entring,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)c	Cum	1.00	4,688.30
17	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	kg	30.00	94.50
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	40.00	92.60
18	Extra cost for carriage of Material		-	

a	Local Sand / Earth soil (3 Km)	Cum	232.00	310.47
b	Sone Sand (45 km from Koelwar)	Cum	6.50	1,132.90
c	Difference of Cost of Cement	tonn	3.60	234.62
d	Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	4.01	2,464.45

Quoted Rates:for schedule item

- a-% above
b-% below
c-at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

- 1- Issued to :.....
2- Full postal address :-
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5- Time of completion :-

Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-03

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair ,Renovation and Painting work of Room no-10 Administrative Building 1st Floor at IGIMS Patna-14		
1	Estimated Cost (In Rs.) :-	Rs. 4,91,801/-		
2	Earnest Money (In Rs.) :-	Rs. 9,900/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-		
4	Time of completion :- (In Days)	30 Days		
5	Date, time & place for submission of Complete tender-	As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT		
Sl. No.	Item Description	Unit	Qty.	Rate
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	For thickness of tiles 10 mm to 25 mm	sqm	25.00	30.70
2	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	5.00	396.10
3	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	216.00	9.70
4	Applying one coat of cement primer of approved brand and manufacture on wall surfaceDistemper primer	Sqm	216.00	38.70
5	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:			
a	One or more coats on old work	sqm	216.00	55.90
6	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth	Sqm.	54.00	81.10

	complete			
7	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., complete. Size of Tile 60x60 cm	sqm	213.55	1,638.80
8	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles	sqm	213.55	-480.60
9	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness	sqm	213.55	446.80
10	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :			
a	12.5 mm thick tapered edge gypsum plain board conforming	sqm	20.00	828.20

	to IS: 2095- Part I			
11	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	5.25	599.30
12	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	5.25	152.90
13	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	10.00	979.50
14	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	50.00	108.10
15	Providing and fixing aluminium 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	10.00	210.10
16	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	15.00	111.40
b	150x10 mm	Each	15.00	71.60
17	Providing and fixing aluminium 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. complete 100mm	Each	10.00	50.30
18	Providing and fixing glazing in aluminium door, window, Ventilator shutter and partition etc. with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge.(cost of aluminium snap beading shall be paid in basic item.)			
a	Float glass panes.5.5 mm thick glass pane.	sqm	2.50	1,115.10
19	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	20.00	257.50
20	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.			
b	Single tee with door			
i	110 x110 x110 mm dia PVC	each	5.00	193.40
c	Single tee without door			
i	110 x110 x110 mm dia PVC	each	5.00	190.70
d	Band 87.5			
i	110 mm dia PVC	each	5.00	132.00
21	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	20 mm nominal outer dia Pipes	metre	14.46	350.80
b	25 mm nominal outer dia Pipes	metre	20.00	463.10
22	Providing and fixing PTMT grating of approved quality and colour			
a	125 mm nominal dia with 25 mm waste hole	each	20.00	45.20
23	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :			
a	20 mm nominal bore	each	5.00	399.30
b	25 mm nominal bore	each	5.00	497.60
24	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	25 mm nominal bore	each	5.00	532.30
25	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 required.			
26	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	4.00	2,369.90
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm	Each	15.00	91.00

	dia			
28	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	15 mm nominal bore with 45 cm length	Each	15.00	108.00
29	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			
a	15 mm nominal bore	Each	12.00	715.10
30	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	each	10.00	96.80
31	Providing and fixing 600x450 mm beveled edge mirror of superior glass(of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	each	5.00	1,068.50
32	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.			
a	450 mm long towel rail with total length of 495 mm,78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	1.00	397.30
33	Providing and fixing vertical blind with rolling track etc all completed	Sqft.	75.00	235.73

Quoted Rates:for schedule item

- a-% above
b-% below
c-at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

- 1- Issued to :.....
2- Full postal address :-
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Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-04

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair and Painting Renovation work of E-3/1 Type Quarter at IGIMS Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 4,56,221/-
2	Earnest Money (In Rs.) :-	Rs. 9,200/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-
4	Time of completion :- (In Days)	30 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	Item Description	Unit	Qty.	Rate
CIVIL SCHEDULE				
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	For thickness of tiles 10 mm to 25 mm	sqm	15.00	30.70
2	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	1.00	396.10
3	Dismantling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 m lead.,			
a	of area 3 Sq.m. and below	Each	3.00	151.80
4	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 ing 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	Sqm	100.00	237.20
5	Removing dry or oil bound distemper by scrapping, sand paper	Sqm	1,889.22	9.70

	and preparing the surface smooth including necessary repair scratches tec. Complete			
6	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:			
a	Two or more coats on new work	sqm	864.22	86.40
7	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	864.22	38.70
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.	864.22	81.10
11	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	4.50	2,959.00
9	Applying priming coat			
a	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	Sqm.	219.71	34.60
10	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	219.71	54.30
11	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.55 litres per linear metre including drilling and plugging holes etc.			
a	With chlorpyriphos E.C. 20% with 1% concentration metre	mtr.	346.00	49.10
12	Providing and fixing glazing in aluminum door, window,Ventilator shutter and partition etc.with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge.(cost of alluminium snap beading shall be paid in basic item.)			
a	Float glass panes.5.5 mm thick glass pane.	sqm	3.00	1,115.10
13	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., complete.	sqm	7.20	686.80
14	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe 32 mm	Each	4.00	91.00

	dia			
15	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	15 mm nominal bore with 45 cm length	Each	8.00	108.00
16	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	metre	20.00	257.50
17	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	Single tee without door			
	110x110x110 mm	each	2.00	190.70
b	Single tee with door			
i	110x110x110mm	each	2.00	193.40
c	Coupler			
i	110mm	each	2.00	120.00
d	Band 87.5			
i	110mm	each	5.00	132.00
18	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	2.00	136.40
19	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
a	20 mm nominal bore	Each	3.00	185.60
20	Providing sal wood work in frame of doors(choukhats) and fixed in position.	Cum	0.26	95,670.70
21	Providing & Fixing decorative high pressure laminated sheet of plain/ wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality			

a	1.0 mm thick	Sqm	32.83	669.00
22	Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :			
a	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	1.00	7,401.00
23	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
a	W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	4,230.00
24	Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	2.20	1,132.90
e	Difference of Cost of Cement	tonn	2.00	234.62
CIVIL NON-SCHEDULED ITEMS				
25	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge.	sqm	15.00	.....
26	Providing and fixing 19 mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	Sqm	20.00	.....
27	Providing and Fixing Angular Stop Cock with wall flange all Complete. Jaguar Model FLR-5053N or equivalent.	Each	4.00	.....
28	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	2.00	.....
29	Providing and Fixing shower with arm all complete. Arm size 300mm long 6" overhead shower. Make-Prayag cat no-BS-79S or equivalent.	Each	3.00	.....

30	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	3.00	.....
31	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	6.00	.....
32	Providing and Fixing Hand shower (Health Faucet) with 8mm Dia,1 Meter Long Flexible Tube & Wall Hook all complete. Jaguar Model ALD-CHR-573 or equivalent.	Each	3.00	.....
33	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	4.00	.....

Quoted Rates:for schedule item

- d-% above
- e-% below
- f-at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Provision of a Toilet and wooden partition work in A.O Chamber and painting work of Director cell at 1st floor of Admin block at IGIMS Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 4,28,957/-
2	Earnest Money (In Rs.) :-	Rs. 8,600/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-
4	Time of completion :- (In Days)	15 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	Item Description	Unit	Qty.	Rate
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 ing 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	Sqm	20.00	237.20
2	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	377.50	9.70
3	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	377.50	33.20
4	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	377.50	38.70
5	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.	20.00	81.10
6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	10.00	54.30

7	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., complete.	sqm	2.24	686.80
8	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	10.00	795.00
9	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type,core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:			
a	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	9.00	1,775.30
10	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
a	W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	4,230.00
11	Providing and fixing wash basin with C.I. brakets, 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 required.			
a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	1.00	2,369.90
12	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe 32 mm dia	Each	1.00	91.00
13	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	15 mm nominal bore with 45 cm length	Each	1.00	108.00
14	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			

a	15 mm nominal bore	Each	2.00	715.10
15	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	Each	3.00	594.80
16	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	Each	1.00	96.80
17	Providing and fixing PTMT grating of approved quality and colour.			
a	125 mm nominal dia with 25 mm waste hole	Each	1.00	45.20
18	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	metre	8.00	257.50
19	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	Single tee without door			
i	110x110x110 mm	each	2.00	190.70
a	Single tee with door			
i	110x110x110mm	each	2.00	193.40
a	Band 87.5			
i	110mm	each	2.00	132.00
ii	75mm	each	2.00	91.80
20	Cutting holes up to 30x30 cm in walls including making good the same	each	2.00	198.50
21	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	20 mm nominal outer dia Pipes	metre	12.00	350.80
22	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
a	20 mm nominal bore	Each	4.00	185.60
23	Providing & Fixing decorative high pressure laminated sheet of plain/ wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality			

	conforming to IS : 2046 Type S, including cost of adhesive of approved quality			
a	1.0 mm thick	Sqm	156.60	669.00
24	Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS :14862 with suitable fibre cement screw 8 mm thick. (everest Havy duty or its equavalant.)	sqm	11.34	853.10
25	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete			
a	Hot finished welded type tubes	kg	251.36	123.90
26	Providing and fixing glazing in alumnum door, window,Ventilator shutter and partition etc.with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge.(cost of alluminium snap beading shall be paid in basic item.)			
a	Float glass panes.5.5 mm thick glass pane.	sqm	5.40	1,115.10
27	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufactruer) 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.complete.Size of			
a	Tile 600x600 mm.	sqm	5.25	1,638.80
28	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	5.25	-480.60
29	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness.	sqm	5.25	446.80
30	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.50	3,998.10
CIVIL NON-SCHEDULED ITEMS				
31	Providing and fixing 12mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	78.30	
32	Providing and fixing 19mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per architectural drawings and directions of engineer-	sqm	19.50	

	incharge			
33	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	1.00	.....
34	Providing and Fixing Hand shower (Health Faucet) with 8mm Dia,1 Meter Long Flexible Tube & Wall Hook all complete. Jaguar Model ALD-CHR-573 or equivalent.	Each	1.00	.....

Quoted Rates:for schedule item

- g-% above
- h-% below
- i-at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-06

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair and Painting work of emergency lab-02 and ENT OPD,ACP Paneling in Room no-(254) at IGIMS Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 3,96,767/-
2	Earnest Money (In Rs.) :-	Rs. 7,900/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-
4	Time of completion :- (In Days)	15 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	Item Description	Unit	Qty.	Rate
1	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 m lead as directed by Engineer-in-charge.			
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.	sqm	55.00	23.70
a	For thickness of tiles 10 mm to 25 mm	sqm	75.90	30.70
3	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	1.00	396.10
4	Dismantling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 m lead.,			
a	of area 3 Sq.m. and below	Each	5.00	151.80
5	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.complete.Size of			
a	Tile 600x600 mm.	sqm	52.20	1,638.80
6	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 ing 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	Sqm	25.00	237.20
7	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	500.00	9.70
8	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	500.00	33.20
9	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	500.00	38.70
10	Providing and applying white cement based putty of erage thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	50.00	81.10
11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	10.08	54.30
14	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	19.53	795.00
15	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., complete.	sqm	4.00	686.80
16	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with			

	manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
a	W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	4,230.00
17	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 required.			
a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	1.00	2,369.90
18	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe 32 mm dia	Each	1.00	91.00
19	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	4.00	434.20
20	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	4.00	594.80
21	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	each	1.00	96.80
22	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	15 mm nominal bore with 45 cm length	Each	2.00	108.00
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.			
a	110 mm diameter	mtr.	15.00	257.50
b	75 mm diameter	mtr.	5.00	162.70
24	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	Single tee without door			
i	110x110x110 mm	each	4.00	190.70
b	Single tee with door			
	75x75x75 mm	each	4.00	141.60

i	110x110x110mm	each	4.00	193.40
d	Band 87.5			
i	110mm	each	4.00	132.00
25	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	20 mm nominal outer dia Pipes	metre	15.00	350.80
26	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
a	20 mm nominal bore	Each	4.00	185.60
27	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 5 mm 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	mtr.	10.00	379.40
28	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent			

	cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification &			
a	30 mm thick plain PVC door	sqm.	3.15	2,293.40
29	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m ³ , 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge. Description	sqm.	12.00	259.80
30	Polishing on wood work with ready made wax polish of approved brand and manufacture:			
a	Old work	sqm.	130.00	48.20
31	Providing & Fixing decorative high pressure laminated sheet of plain/ wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality			
a	1.5 mm thick	Sqm	17.28	795.60
32	Providing and fixing 4mm thick ACP 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 per architectural drawings and directions of engineer-in-charge	sqm	54.00	1,609.32
33	Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	4.00	1,132.90
b	Difference of Cost of Cement	tonn	2.50	234.62
34	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming 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 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 For fixed portion and panelling to	kg	50.00	386.10

	be paid for separately			
	CIVIL NON SCHEDULE ITEM			
35	Providing and Fixing Whit Hilton Foam (6/3)	each	14.00	.....
36	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge.	sqm	2.00	.....
37	Providing and fixing 19mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	23.00	.....

Quoted Rates:for schedule item

- a-% above
- b-% below
- c-at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer
I.G.I.M.S., Patna