

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Cleaning Jungle, Malba Cleaning, Surface Dressing, Filling Local Sand and GSB Near Boys Hostel at IGIMS, Patna-14			
1	Estimated Cost (In Rs.) :-	Rs. 8,64,521/-			
2	Earnest Money (In Rs.) :-	Rs. 17,300/-			
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	250.00	287.30
2	23.1	Trenching in ordinary soil upto a depth of 60 cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly levelling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge of/and manure before and after flooding trench with water (including cost of imported earth,sludge or manure).	Sqm.	6,500.00	44.70
3	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	Sqm.	3,000.00	90.70
4	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer- in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	285.00	219.30
	0L02	Un Skilled labour	per day	100.00	306.00
5		<u>Extra cost for carriage of Material</u>			
b		Local Sand	Cum	250.00	310.47
c		Extra cost for carriage of Disposal of malba (1km)	Cum	285.00	208.17

Quoted Rates:for schedule item

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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 NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Proposed Aluminum Partition and Lab Table in Department of Pharmacology at 5th Floor of New Medical College Building at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 7,30,689/-		
2	Earnest Money (In Rs.) :-		Rs. 14,700/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	21.1.1.1	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg.	270.00	386.10
2	21.2	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	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	37.00	826.90
3	21.3	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	21.3.2	Float glass panes. 5.5 mm thick glass pane.	sqm	17.11	1,115.10
4	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement			

		mortar 1:4 (1cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups,including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.granite			
a	8.2.2.1	Area of Slab up to 0.5 sqm	sqm	22.35	4242.90
5	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	1,264.51	123.90
6	12.78	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	12.78.2	110 mm diameter	rmt	20.00	257.50
b	12.78.1	75 mm diameterR	rmt	50.00	162.70
7	12.79	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	12.79.3	Single tee with door			
	12.79.3.1	75x75x75 mm	each	5.00	141.60
i	12.79.3.2	110 x110 x110 mm dia PVC	each	5.00	193.40
b	12.79.4	Single tee without door			
	12.79.4.1	75x75x75mm	each	5.00	124.20
i	12.79.4.2	110 x110 x110 mm dia PVC	each	5.00	190.70
c	12.79.5	Band 87.5			
	12.79.5.1	75 mm bend	each	5.00	91.80
i	12.79.5.2	110 mm dia PVC	each	5.00	132.00
8	18.8.	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 nd testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the.			
a	18.8.2	20 mm nominal outer dia Pipes	metre	50.00	350.80
b	18.8.3	25 mm nominal outer dia Pipes	metre	82.00	463.10
9	18.58	Providing and fixing PTMT grating of approved quality and colour			
a	18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	4.00	45.20
10	18.47	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	18.47.2	20 mm nominal bore	each	8.00	399.30
b	18.47.3	25 mm nominal bore	each	4.00	479.60

11	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1	25 mm nominal bore	each	2.00	532.30
12	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore	each	5.00	594.80
13	18.65	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	5.00	96.80
14	17.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :			
a	17.11.2	Size 600x450x200 mm	each	5.00	5,085.90
15	9.127	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	9.127.2	1.0 mm thick	sqm	147.04	669.00
16	9.79	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	9.79.2	50 mm	each	6.00	222.00
17	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. Complete			
a	9.114.2	Double strip (horizontal type)	each	14.00	34.10
18	9.80.	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	20.00	56.70
19	9.61.2	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete Overall width 50 mm	mtr.	28.24	177.50
20	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	43.50	54.30
		<u>Civil Non Schedule Item</u>			
21	NSI	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	20.52
22	NSI	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	53.00
23	NSI Vide Cat. Page-85	Providing and Fixing Florenitine Bib Cock with Extented Lever Handle and Wall Flange All copleted . Jaquar Modle FLR-5043N or equivalent.	each	5.00

Quoted Rates:for schedule item

- a- í í í í í í % above
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- c- í í í í at estimated cost.

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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-03

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Provision of M.S Chamber Cover in Different Location Hospital and Residential Area and Over Head Water Tank for Male and Female Urinal at IGIMS, Patna-14.		
1	Estimated Cost (In Rs.) :-		Rs. 4,73,188/-		
2	Earnest Money (In Rs.) :-		Rs. 9,500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.4	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20,mm nominal size)	Cum	1.64	3,998.10
2	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	14.20	211.60
3	6.18A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :			
a	6.18.4A	Cement mortar 1:4 (1 cement: 4 coarse sand)	sqm.	12.45	599.30
4	11.36	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	36.28	795.00
5	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	80.00	54.30
6	9.48.1	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	2,232.06	144.50
7	18.8	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	18.8.3	25 mm nominal outer dia Pipes	metre	115.00	463.10
8	18.48	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 without fittings and the base support for tank.	per ltr	1,000.00	9.70
9	16.7	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.			
a	16.70.1	Made of G.I. wire of dia 4 mm	sqm	10.92	687.20
10	23.21	Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	25.00	292.20
11	19.3	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :			
a	19.30.2	Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets :			
I	19.30.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2.00	5,107.40
12		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	1.66	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.45	2,464.45
c		Bricks (7P+ 1K)	%o	0.70	840.43
d		Difference of Cost of Bricks	%o	0.70	1,420.51
e		Difference of Cost of Cement	tonn	1.04	234.62
f		Extra cost for carriage of extra earth	cum	25.00	208.17

Quoted Rates:for schedule item

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

NOTE:-

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- 3- Earnest money deposited :-
- 4- Registration No. :-
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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 NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Laying Paver Block and Plinth Protection Work East Side Open Area of SCI Building at IGIMS, Patna-14.
1	Estimated Cost (In Rs.) :-	Rs. 4,14,068/-
2	Earnest Money (In Rs.) :-	Rs. 8,300/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	23.21	Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	54.69	292.20
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20,mm nominal size)	cum	10.27	3998.10
3	11.79	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	sqm.	138.70	721.10
4	16.83	Taking out existing CC interlocking paver blocks from footpath/central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge	sqm	264.15	61.00
5	16.84	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. al complete as per the direction of Engineer- in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	sqm	264.15	70.80
6	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing Complete	Cum	33.68	287.30
21	9.48.1	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	800.00	144.50
8	6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement:	Cum	1.40	5017.90

		4 coarse sand).			
9	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	20.00	152.90
10	17.1	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 and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :			
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each.	1.00	4470.90
11	4.17	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 smooth.	Sqm.	56.00	436.60
12	12.51	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15- 18 microns using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	6.00	396.80
13		Extra cost for carriage of Material			
a		Local Sand / Earth soil (3 Km)	Cum	34.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	6.00	1132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	9.85	2464.45
d		Bricks (7P+ 1K)	%o	0.71	840.43
e		Difference of Cost of Bricks	%o	0.71	1420.51
f		Difference of Cost of Cement	tonn	4.00	234.62
g		Extra cost for carriage of Extra Earth (1 km)	Cum	54.69	208.17

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Repair, Painting, PVC Flooring, Aluminium Work of Neuro OT and Cloth to Dry, Making Panel Room Near Animal House and PHED Work Terrace Floor of Ward Block at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 4,02,588/-
2	Earnest Money (In Rs.) :-	Rs. 8,100/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,135.35	9.70
2	13.77.3	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	897.13	33.20
3	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	897.13	38.70
4	13.80.A.1	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.	250.00	81.10
5	14.1	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	14.1.2	With cement mortar 1:4	Sqm	75.00	237.20
6	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	238.32	54.30
7	10.16	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	10.16.1	Hot finished welded type tubes	kg	170.44	123.90
8	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.78	3,998.10

9	18.9	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	18.9.2	20 mm nominal outer dia Pipes	metre	6.00	205.30
b	18.9.5	40 mm nominal outer dia Pipe	metre	51.00	477.60
10	18.46	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	18.46.2	20 mm nominal bore	each	4.00	185.60
b	18.46.5	40 mm nominal bore	each	9.00	419.70
c	18.46.6	50 mm nominal bore	each	4.00	565.60
11	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)			
a	18.19.3	40 mm nominal bore			
b	18.19.3.2	Vertical	each	1.00	1,049.20
12	14	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :			
a	14.2	50 mm dia	each	1.00	5,390.00
13	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	0.50	1,411.20
14	6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand).	cum	3.63	5,017.90
15	13.12	15 mm cement plaster on rough side of single or half brick wall of mix.			
a	13.12.2	1:4(1 cement: 4 coarse sand)	sqm	28.31	176.40
16	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	2.25	283.30
17	11.41.2	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	2.25	1,638.80
18	5.1	Providing and laying in position specified grade of enforced cement concrete excluding the cost of ntring,shuttering,finishing and reinforcement-All work puto plinth level			
a	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	0.74	4,688.30
19	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm	kg	24.71	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	19.49	92.60

c	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	12.67	90.80
20	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	6.50	211.60
21	21.1.1.1	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 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	170.50	386.10
22	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be easured for payment).	kg	13.61	511.00
23	21.2	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	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	4.32	826.90
24	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mmwith a wall thickness of 5 mm,made out of extruded 5 mm rigid PVCfoam sheet, mitred at corners and joined with 2 Nos. of 150 mm longbrackets 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 theframe. 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.	25.00	379.40
25	9.12	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 x19 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 -CØ 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-incharge, manufacturer's specification &			
a	9.120.1	30 mm thick plain PVC door	sqm.	8.93	2,293.40
26	9.96.2	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	6.00	210.10
27	9.97	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	9.97.1	300x10 mm	Each	6.00	111.40
28	9.100.	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
29		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	4.10	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.32	2,464.45
c		Bricks (7P+ 1K)	%o	1.86	840.43
d		Difference of Cost of Bricks	%o	1.86	1,420.51
e		Difference of Cost of Cement	tonn	1.65	234.62
CIVIL NON-SCHEDULED ITEMS					
30	NSI	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-incharge	sqm	12.48
31	NSI	Providing & Fixing flexible PVC sheet flooring in 2.0mm thickness in the size of 2mx20mtr use area classification 23/34/43. Results from independent testing demonstrate that product inherently inhibits the growth of microbial strain MRSA. It shall be homo	sqm	14.52

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-06

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair and Renovation of Neuro Medicine Common Male Bathroom at First Floor of Ward Block at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 3,28,697/-		
2	Earnest Money (In Rs.) :-		Rs. 6,600/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.52	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	4.00	396.10
2	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	8.04	1,411.20
3	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	46.37	30.70
4	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	44.96	283.30
5	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	9.17	3,998.10
6	13.13	20 mm cement plaster of mix ;			
a	13.13.2	1: 4(1 cement: 4 coarse sand)	sqm	69.07	209.90
7	6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :			
a	6.1.14C	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	0.90	4,923.00
8	6.18A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :			
a	6.18.4A	Cement mortar 1:4 (1 cement: 4 coarse send)	sqm.	4.12	599.30
9	6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm.	4.12	89.70
10	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	240.41	9.70

11	13.77.3	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	240.41	33.20
12	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	240.41	38.70
13	13.80.A.1	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.	65.41	81.10
14	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	5.76	54.30
15	11.37	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	46.37	686.80
16	21.1.1.1	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg.	18.21	386.10
17	21.3	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	21.3.2	Float glass panes.5.5 mm thick glass pane.	sqm	1.44	1,115.10
18	17.1	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 and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :			
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	3.00	4,470.90
19	17.2	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	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	4,230.00
20	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	12.00	434.20
20 A	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931.	each	5.00	594.80

21	18.21.2	Providing and fixing unplasticised PVC connection pipe with brass fittings :			
a	18.21.2.1	15 mm nominal bore	each	6.00	85.20
22	12.78	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	12.78.2	110 mm diameter	m	42.50	257.50
23	12.79	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	12.79.4	Single tee without door			
i	12.79.4.2	110x110x110 mm	each	11.00	190.70
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	4.00	193.40
c	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	10.00	132.00
24	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	6.00	45.20
25	18.8	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	18.8.2	20 mm nominal outer dia Pipes	metre	15.00	350.80
26	14.81	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	28.00	136.40
27	23.21	Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	40.00	292.20
28	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions. (ii) 2nd course of 20 mm cement plaster 1:3 (1 cement:3 coarse sand) mixed with water proofing compound in recommended proportion, (iii) 3rd course of applying blown or/residual bitumen applied hot at 1.7 kg. per sqm of area, (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	sqm	138.14	480.60
29	17.18	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.			
a	17.18.1	10 litre capacity - White	Each	1.00	905.50

30		Extra cost for carriage of Material			
a		Local Sand	Cum	0.67	310.47
b		Sone Sand (45 km from Koelwar)	Cum	7.14	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	8.03	2,464.45
d		Bricks (7P+ 1K)	%o	2.13	840.43
e		Difference of Cost of Bricks	%o	2.13	1,420.51
f		Difference of Cost of Cement	tonn	4.11	234.62
g		Extra cost for carriage of extra earth	cum	40.00	208.17
		CIVIL NON-SCHEDULED ITEMS			
31	NSI	Providing and fixing <u>4mm thick ACP</u> 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	3.40

Quoted Rates:for schedule item

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í ..
- 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-07

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Repair, Painting and other Miscellaneous Work in PMR Building at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 2,50,093/-
2	Earnest Money (In Rs.) :-	Rs. 5,100/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	1095.69	9.70
2	13.77.3	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	1095.69	33.20
3	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	1095.69	38.70
4	13.80.A.1	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	100.00	81.10
5	14.1	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	14.1.2	With cement mortar 1:4	Sqm	50.00	237.20
6	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	487.17	54.30
7	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			
a	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm	665.00	81.70
8	18.48	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 without fittings and the base support for tank.	ltr.	1000.00	9.70
9	18.62	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.			
a	18.62.3	25 mm nominal bore, 152mm long, weighing not less than 440 gms	Each	1.00	459.40
10	8.75	Providing and fixing PTMT extension nipple for water tank pipe,			

		fittings of approved quality and colour			
a	8.75.3	25mm nominal bore, weighing not less than 62 gms	Each	2.00	100.60
11	18.47	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	18.47.4	32 mm nominal bore	Each	2.00	519.70
12	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end			
a	18.17.2	32 mm nominal bore.	Each	1.00	589.90
13	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.15	3998.10
14	11.74	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	8.132	267.70
15	2.28	Supplying and Filling in plinth with local sand and under floorsincluding, watering, ramming consolidating and dressing complete	cum	2.88	287.30
16	16.83	Taking out existing CC interlocking paver blocks from footpath/central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge	sqm	9.92	61.00
17	16.84	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. al complete as per the direction of Engineer- in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	sqm	9.92	70.80
18	16.9	Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having water absorption less than 0.5% and conforming to IS: 15622, of approved make in all colours and shades in outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patternsn including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	sqm	1.50	1464.30
19	13.18	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	7.69	229.30
20	23.21	Excavation in dumped stones or malba including stacking of serviveable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	9.00	292.20
21		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	0.56	1132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.12	2464.45
c		Difference of Cost of Cement	tonn	1.00	234.62
d		Extra cost for carriage of Extra Earth (1 km)	Cum	9.00	208.17
		<u>Non Schedule Items.</u>			

22	Agr. No.- 104/M/EC/C W/1017/15	Supply & installation of Roman Blinds inclusive of Lace, Eyelet ring, aster and all other cost incurred in installation i.e taxes, freight charge etc.	Sqft.	66.00	
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Quoted Rates:for schedule item

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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-08

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Making Brick Planter for all Tree North Side of Ward Block and Repair and Painting Work for Flag Hosting at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 2,01,642/-		
2	Earnest Money (In Rs.) :-		Rs. 4,100/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.91	3,998.10
2	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	35.19	599.30
3	6.19B	Extra for half Brick masonry in superstructure above plinth level upto floor V level.	sqm	35.19	89.70
4	6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :			
a	6.1.14C	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	7.61	4,923.00
5	6.3C	Extra for Brick work in superstructure above plinth level upto floor V	Cum	7.61	842.20
6	5.2	Reinforced cement concrete work in wall (any thickness), including attached plasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement			
a	5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	1.13	5,670.00
7	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	130.00	92.60
8	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	72.71	152.90
9	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete	Sqm	200.81	9.70
10	14.1	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	14.1.2	With cement mortar 1:4	Sqm	20.00	237.20
11	13.80.A.1	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.	60.00	81.10
12	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			
a	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	200.81	81.70
13	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	50.40	54.30
14	2.25a	Excavating, supplying and filling of local earth (including royalty but excluding cairriage cost) by mechanical transport upto a lead of 3km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete. If local earth is available at more than 3 km lead the actual lead must be approved by compitent authority. cairraige of material will be paid seperately and calculated after deducting initial lead.	Sqm.	9.63	411.70
15	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	66.92	287.30
16		Extra cost for carriage of Material			
a		Local Sand	Cum	66.92	310.47
a		Sone Sand (45 km from Koelwar)	Cum	6.00	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	2.64	2,464.45
c		Bricks (7P+ 1K)	%o	5.73	840.43
d		Difference of Cost of Bricks	%o	1.98	1,420.51
e		Difference of Cost of Cement	tonn	3.10	234.62

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-09

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Extension of Corridor Between Old and New Blood Bank and Fixing Iron Sheet on Existing Grill Gate Behind Diagnostic Block at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,89,027/-		
2	Earnest Money (In Rs.) :-		Rs. 3,800/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	550.00	123.90
2	9.48.2	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	575.20	144.50
3	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) withEPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	36.00	625.10
4	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15- 18 microns using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	4.00	396.80
5	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	48.03	84.50

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-10

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Repair, Painting Work of OPD Room No. 15 to 25 and Waiting Area at IGIMS, Patna-14			
1	Estimated Cost (In Rs.) :-	Rs. 1,81,468/-			
2	Earnest Money (In Rs.) :-	Rs. 3,700/-			
3	Cost of B.O.Q. (In Rs.) :-	Rs. 500/-			
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	13.80	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	Sqm	650.00	9.70
2	13.77.3	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	650.00	33.20
3	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	650.00	38.70
4	13.80.A.1	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.	97.50	81.10
5	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm.	110.00	54.30
6	17.31	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	10.00	1,068.50
7	18.65	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
8	17.73	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	17.73.1	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	10.00	397.30
9	9.1.2	Providing sal wood work in frame of doors(choukhats) and fixed in position.	cum	0.09	95,670.70
10	9.83	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	12.00	979.50
11	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	24.00	108.10
12	9.21	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	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	5.76	1,775.30
13	9.127	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	9.127.2	1.0 mm thick	sqm	20.00	669.00
14	26.9	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and athroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/mrice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)			
a	26.90.2	12 mm thick	sqm	10.00	1,454.90
15	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15- 18 microns using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	6.00	396.80
		<u>CIVIL NON SHEDULE ITEM</u>			
16	NSI Vide Cat. Page-166	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	10.00	í í í í í í

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-11

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair and painting Work in External Boundary Wall Near Main Gate at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,69,960/-		
2	Earnest Money (In Rs.) :-		Rs. 3,400/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	14.1	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	14.1.2	With cement mortar 1:4	Sqm	100.00	237.20
2	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,600.00	9.70
a	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :			
3	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade)			
a	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	1,600.00	81.70

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-12

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair and painting Work of Allahabad Bank Park and Main Road Divider at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,58,531/-		
2	Earnest Money (In Rs.) :-		Rs. 3,200/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,555.12	9.70
2	14.1	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	14.1.2	With cement mortar 1:4	Sqm	25.00	237.20
3	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			
a	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	1,555.12	81.70
4	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	192.68	54.30

Quoted Rates:for schedule item

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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-13

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Supply & Installation of Roman Blinds for Window in PMR Building at IGIMS, Patna			
1	Estimated Cost (In Rs.) :-	Rs. 1,48,195/-			
2	Earnest Money (In Rs.) :-	Rs. 3,000/-			
3	Cost of B.O.Q. (In Rs.) :-	Rs. 500/-			
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.	BSR-2022	Item Description	Unit	Qty.	Rate
		<u>Non Schedule Items.</u>			
1	NSI	Supply & installation of Roman Blinds inclusive of Lace, Eyelet ring, aster and all other cost incurred in installation i.e taxes, fricht charge etc.	Sqft.	363.00

Quoted Rates:for schedule item

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í ..
- 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-14

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Cleaning of False Ceiling in Neuro OT and other Miscellaneous Work in Ward Block, Diagnostic Block, New Admin Park, Infront of Library, MDR Ward at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 1,35,525/-
2	Earnest Money (In Rs.) :-	Rs. 2,800/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 500/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.57	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 mlead as directed by Engineer-in-charge.	Sqm	742.05	23.70
2	12.78	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	12.78.2	110 mm diameter	metre	39.00	257.50
3	12.79	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	12.79.4	Single tee without door			
i	12.79.4.2	110x110x110 mm	each	8.00	190.70
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	8.00	193.40
c	12.79.1	Coupler			
i	12.79.1.2	110mm	each	8.00	120.00
d	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	8.00	132.00
e	12.79.6	Shoe plain			
i	12.79.6.2	110m Shoe	each	8.00	115.95

4	12.8	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
a	12.80.2	110 mm	Each	8.00	182.72
5	18.8	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 nd testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the.			
a	18.8.2	20 mm nominal outer dia Pipes	m	20.00	350.80
b	18.8.3	25 mm nominal outer dia Pipes	m	20.00	463.10
6	18.65	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
7	18.46	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	18.46.2	20 mm nominal bore	Each	5.00	185.60
b	18.46.3	25 mm nominal bore	Each	5.00	265.90
8	17.18	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.			
a	17.18.1	10 litre capacity - White	Each	2.00	905.50
9	9.123	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement , including fixing the frame to wall with suitable dia & length	mtr	14.85	453.00
10	9.124	Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mmx 1mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent			

		cement & self driven self tapping screws of size 100 mm x 8mm complete as per manufacturer's specifications and direction of Engineer-in-charge.			
a	9.124.1	Non decorative finish	sqm	5.22	2,898.90
11	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :			
a	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	each	2.00	5,504.30
12	17.7	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	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	1.00	2,369.90
13	13.18	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	15.00	229.30
14	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm.	11.55	283.30
15	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.76	3,998.10
	13.26	Neat cement punning	sqm	15.00	40.50
27	23.21	Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	40.00	292.20
		<u>CIVIL NON SCHEDULE ITEM</u>			
16	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	1.00	0 0 0 0 0
17	NSI	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	2.00	0 0 0 0 0
18	NSI	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-incharge	sqm	8.55	0 0 0 0 0

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-15

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Providing Ayushman digital counter in with outer shade and platform annexe Block Ground floor east side at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 2,77,933/-
2	Earnest Money (In Rs.) :-	Rs. 5,600/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	21.1.1.1	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 be paid for separately)	kg	120.60	386.10
2	21.3	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):			
b	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm).	sqm	5.04	1,285.60
3	21.2	Providing and fixing 12 mm thick pre-laminated 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	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	13.86	826.90

4	9.96.2	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	3.00	210.10
5	9.97	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	9.97.1	300x10 mm	Each	3.00	111.40
b	9.97.4	150x10 mm	Each	3.00	71.60
6	9.100.1	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. complete:100mm	each	3.00	57.10
7	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	440.00	117.70
8	12.5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	28.35	625.10
9	11.41.2	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	18.90	1,638.80
10		Chequerred precast cement concrete tiles 22 mm thick with marbie chips of size 6 mm in footpath & coutyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning tec. Complete on 20 mm thick bed of cement mortar 1:4(1 cement:4 coarse sand)			
a	11.20.1	Light shade using white cement	sqm	18.90	1,053.60
10	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or	Sqm	60.00	54.30

		more coats on old work.			
11		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	0.72	1,132.90
b		Difference of Cost of Cement	tonn	0.43	234.62
	BSR-2023	Electrical Schedule Item			
1	1.3	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 size GI box etc as required.			
a)	1.3.3	Group -C	Each	10.00	1,146.00
2	1.7	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)	1.7.2	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	25.00	246.00
b)	1.7.3	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	70.00	309.00
3	2.12	Supplying and fixing following rating, 240/415 volts, δCö curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	2.12.1	6A to 32 A, Single Pole	Each	3.00	237.00
4	2.19	Supplying and fixing 20 amps, 220 volts, SPN industrial type, socket outlet , with two pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP MCB, in sheet steel enclosure, on surface or recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc as required. (Used for AC box)	Each	1.00	1,513.00
5	8.17	Supply and installation of following sweep/sizes metallic blade ,heavy duty,sigle phase 230 v a.c exhaust fan in the existing opening including making good the dammage connection testing commissioning etc as required.			
a)	8.17.2	380 mm sweep	Each	1.00	5,560.00
6	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required			
a)	1.24.1	5/6 Amps switch	Each	2.00	82.00
b)	1.24.3	15/16 Amps switch	Each	8.00	139.00
c)	1.24.4	3 pin 5/6 Ampsr socket outlet	Each	2.00	112.00
d)	1.24.5	6 pin 15/16 Amps socket	Each	8.00	183.00
7	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.			
a)	1.27.4	6 Module (200mmX75mm)	Each	4.00	345.00

		<u>Non schedule item</u>			
8	NSI	Supply of 450 mm metal body single phase wall fan	Each	3.00

Quoted Rates:for schedule item

- d- í í í í í í % above
- e- í í í í í í % below
- f- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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-16

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Replacement of damaged Tiles in Different Location in Diagnostic Block at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 2,03,485/-		
2	Earnest Money (In Rs.) :-		Rs. 4,100/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	120.00	30.70
2	11.41.2	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	120.00	1,638.80
3		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	2.30	1,132.90
b		Difference of Cost of Cement	tonn	2.30	234.62

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-17

SHORT NOTICE INVITING TENDER NO.- 12 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Drilling of Deep Bore Tube Well connection to existing water supply line and Installation of Submersible Motor 41 HP for Supplying Water to Residential & Hospital Area at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-		Rs. 13,40,329/-		
2	Earnest Money (In Rs.) :-		Rs. 26,810/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 2500/-		
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.	BSR-2022	Item Description	Unit	Qty.	Rate
		Schedule Items (S.I)			
1	2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of Soil	Cum	110.00	360.70
2	18.35	Constructing masonry Chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid 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	18.35.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	2.00	18,802.60
3	2.26	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	103.45	123.90
4	18.73	Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS : 8329 :			
a	18.73.2	150 mm dia Ductile Iron Double Flanged	metre	40.00	2,264.40
5		Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets and conforming to IS 780 of following sizes as required			
a	12.6	150 mm dia	SET	1.00	22,316.00
6		Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312			

		complete with rubber gasket, GI bolts, nuts, washers etc.as required :			
a	14.7	150 mm dia	SET	1.00	17,300.00
		(Non Schedule Items)	UNIT	Quantity	Rate quoted by Bidder
		Supplying, fixing, testing & commissioning of Boring and Moter pump with acceseries as required.			
1	NSI	Labour charge for Drilling of 400 mm dia bore hole in any type of soil by reverse rotary Rig machine including labour.	Mtrs.	125.00	0 0 0 0 0 0 0 ..
2	NSI	Small fitting like well cap, Well Plug, Centre guide, 120x 80 Reducer, M S Ring	Job	1.00	0 0 0 0 0 0 0 ..
3	NSI	Development Charge of tube well by Air Compressor till sand Free Discharge Max. 6 Hours.	Job	1.00	0 0 0 0 0 0 0 ..
4	NSI	Supply, Fixing of Pea Gravel of Koderma origin	Cum	14.75	0 0 0 0 0 0 0 ..
5	NSI	Supply, fitting and fixing 120 dia MS ERW pipe wall thickness 5.4 mm as per IS 3589-1991	Mtrs.	36.00	0 0 0 0 0 0 0 ..
6	NSI	Supply, Fixing and Fixing 80 dia MS ERW pipe wall thickness 5.4 mm as per IS 3589-1991	Mtrs.	57.00	0 0 0 0 0 0 0 ..
7	NSI	Supply, fitting and fixing 80 dia MS ERW pipe (Slotted) wall thickness 5.4 mm as per IS 3589-1991	Mtrs.	30.00	0 0 0 0 0 0 0 ..
8	NSI	Supply, Fitting and Fixing KSB make Submersible pump set Model BPHA 373/4B +HBC 413, 41 HP, 4 Stages, Head Range 39 Mtrs to 69 Mtrs. Discharge Range 170 m3/hr. To 80 m3/hr, Out let Size 60 Medium Handled Clear Water, Supply Voltage 400 Volt (+/- 10%)	Set	1.00	0 0 0 0 0 0 0 ..
9	NSI	Supply, Fitting and Fixing L&T make Control Panel Star Delta	Set	1.00	0 0 0 0 0 0 0 ..
10	NSI	Supply, Fitting and Fixing 60 dia MS Supporting Clamp	Set	2.00	0 0 0 0 0 0 0 ..
11	NSI	Supply, Fitting and Fixing 1 x3 x10 sq. Mm Flat Submersible Copper Cable	Mtrs.	80.50	0 0 0 0 0 0 0 ..
12	NSI	Supply, Fitting and Fixing 60 dia MS Class Pipe wall thickness 5.4 mm column pipe in 3 Mtrs. Lengths for end falgers with nut, bolt washer and gasket	Mtrs.	24.00	0 0 0 0 0 0 0 ..
13	NSI	Supply, Fitting and Fixing 60 dia MS Bend with both end flanges.	Each	1.00	0 0 0 0 0 0 0 ..

Quoted Rates:for schedule item

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

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