

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Extension of Reception Counter of Radiology Department, laying of Rain water pipe in core block and Other Miscellaneous work at IGIMS,Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 7,10,960/-		
2	Earnest Money (In Rs.) :-		Rs. 14,300/-		
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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	0.55	1,411.20
2	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	5.79	360.70
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	13.03	287.30
4	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	4.1.4	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20,mm nominal size)	Cum	4.37	3,998.10
5	5.33A	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforcd cement concrete			
a	5.33A.1	All work upto plinth level	cum	1.76	4,756.90
b	5.33A.2	All work from plinth level upto floor V level			
c	5.33A.2.1	Walls columns, pillars, posts and struts	cum	0.60	5,293.50
d	5.33A.2.2	Beams, plinth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	cum	0.71	5,677.20
6	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	40.30	211.60

7	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	14.55	283.30
8	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
i)	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	59.76	94.50
ii)	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	60.49	92.60
iii)	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	176.87	90.80
9	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	4.08	4,923.00
10	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	52.66	152.900
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	20.89	33.20
12	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	20.89	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.	33.50	81.10
14	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :			
a	13.46.1	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.	137.77	137.00
15	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.	41.68	54.30
16	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	23.15	795.00
18	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.	112.98	386.10
19	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	10.74	826.90

20	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	337.68	144.50
21	12.5	Providing and fixing pre-coated 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	15.19	625.10
22	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
23	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	8.00	594.80
24	17.28.1.1	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	3.00	91.00
25	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	6.00	108.00
26	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			
a	18.18.2	20 mm nominal bore	each	2.00	397.40
27	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	6.10	350.80
28	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	1.00	185.60
29	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	12.00	136.40
30	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	21.50	257.50

31	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	4.00	190.70
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	4.00	193.40
d	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	3.00	132.00
32	18.49	Providing and fixing PTMT bib cock of approved quality and colour.			
a	18.54.4	15mm nominal bore, 90 mm long, weighing not less than 93gms	each	22.00	170.00
33	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	1.00	5,107.40
34	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	8.00	979.50
35	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.			
a	9.101.2	Twin rubber stopper	each	15.00	60.80
36	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding	sqm	72.00	178.30

37	21.3	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	21.3.2	Float glass panes. 5.5 mm thick glass pane.	sqm	8.61	1,115.10
38	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	40.87	61.000
39	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. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	sqm	40.87	70.800
40	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	9.00	905.500
41	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	6.00	1,068.500
42	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	37.26	480.60
5	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	20.00	292.20
43	10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg.	284.70	546.80
44	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	30.00	1,638.80
45		Extra cost for carriage of Material			
a		Local Sand	Cum	13.03	310.47
b		Sone Sand (45 km from Koelwar)	Cum	7.18	1,132.90

c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	6.49	2,464.45
d		Bricks (7P+ 1K)	%o	2.01	840.43
e		Difference of Cost of Bricks	%o	2.01	1,420.51
f		Difference of Cost of Cement	tonn	4.24	234.62
g		Extra cost for carriage of extra earth	cum	20.00	208.17
<u>CIVIL NON-SCHEDULED ITEMS</u>					
46	NSI	Providing and fixing on wall face unplasticised-PVC rain water pipes .leaving 10 mm gap for thermal expansion.			
a	A	150 mm diameter	rmt	54.10	
47	NSI	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes. leaving 10 mm gap for thermal expansion.			
	a	Band 87.5			
	(i)	150 mm dia PVC	each	20.00	
	c	Tee with door			
	i	150x150x150 mm single equal junction with door	each	2.00	
48	NSI	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	150 mm	each	49.00	
49	NSI	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	14.00	
50	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	9.00	
51	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	

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.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair, Renovation and Painting Work of Newly allotted old D-Type quarter No-2/3 at IGIMS, Patna -14		
1	Estimated Cost (In Rs.) :-		Rs. 8,20,976/-		
2	Earnest Money (In Rs.) :-		Rs. 16,500/-		
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	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	202.94	30.70
2	15.12	Dismantling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 m lead.,			
a	15.12.1	of area 3 Sq.m. and below	Each	9.00	151.80
3	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	0.26	1,411.20
4	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
a	15.7.4	In cement mortar	cum	0.23	823.70
5	5.1	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	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)c	Cum	0.41	4,688.30
6	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	15.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	27.00	92.60
7	5.9	Centring and shuttering including strutting, propping etc. and removal of form for :			
a	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	6.27	437.50
8	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	87.96	237.20
9	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	412.55	9.70
10	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	412.55	33.20
11	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	412.55	38.70
12	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.	412.55	81.10
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	138.46	54.30
14	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	9.00	1,775.30
15	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	sqm	9.00	401.40
16	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	8.2.2.2	Area of slab over 0.50 sqm	sqm	5.56	4,401.20
0	17.28.1.1	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	4.00	91.00
17	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	4.00	108.00
18	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	4.00	434.20
19	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	45.00	111.40
b	9.97.4	150x10 mm	Each	45.00	71.60
20	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. complete100mm	Each	9.00	57.10
21	9.82	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	each	9.00	108.10
22	17.7	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	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	3.00	2,369.90
a	2.37.5	Treatment at points of contact of wood work by chemical emulsion chlordane. (in oil or kerosene based solution)@ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	metre	100.00	270.20
23	2.37.2	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	2.37.2.1	With chlorpyriphos E.C. 20% with 1% concentration	meter	180.00	49.10
24	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :			
a	17.10.2	Kitchen sink without drain board			
I	17.10.2.2	610x460 mm bowl depth 200 mm	Each	1.00	2,812.90
25	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	9.63.4	100x10 mm	each	9.00	35.40
26	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	9.00	222.00
27	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	9.00	34.10
28	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	85.00	669.00
29	11.39	Providing and laying Ceramic glazed floor tiles 400x400 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 13755 of NITCO , ORIENT , SOMANY , KAJARIA or equivalent 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 grouting the joints with white cement and matching pigments etc, complete.	sqm	8.51	1,329.80
30	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	40.00	795.00
31	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.			
	a	Size of Tile 60x60 cm	sqm	91.90	1,638.80
32	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	91.90	-480.60
33	11.43	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	91.90	446.80
34	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
35	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	100.00	386.10
36	9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.50 mm all complete.			
a	9.135.2	With 12 mm mild steel U beading	sqm	1.00	879.20
37	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	18.00	480.60
38	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.			
39	12.78.2	110 mm diameter	metre	50.00	257.50
40	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	6.00	190.70

c	12.79.1	Coupler			
i	12.79.1.2	110mm	each	3.00	120.00
d	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	8.00	132.00
41	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	15.00	182.72
42	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	2.00	4,923.00
43	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	100.00	144.50
44		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	8.00	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	3.44	2,464.45
c		Difference of Cost of Cement	tonn	9.00	234.62
		<u>CIVIL NON SHEDULE ITEM</u>			
45	NSI	Providing and fixing 19mm thick Centuuary/Green ply of approved brand. For cup-board, ward robe, partition / paneling Etc. All complete as per architectural drawings and directions of engineer-incharge	sqm	42.00	
46	NSI	Providing and Fixing Angular Stop Cock with wall flange all Complete. Jaguar Model FLR-5053N or equivalent.	Each	3.00	
47	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	2.00	
48	NSI	Providing and Fixing shower with arm all complete. Arm size 300mm long 6" overhead shower. Make-Prayag cat no-BS-79S or equivalent.	Each	2.00	
49	NSI	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	1.00	
50	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	1.00	
51	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	
52	NSI	Providing and Fixing Towel Ring round with round flange all complete. Jaguar Model ACN-CHR-1121BN or equivalent.	Each	2.00	
		<u>Electrical work</u>			
1	1.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with piano type switch, phenolic laminated sheet, suitable size M.S./PVC box etc as required.			
a)	1.1.1	Group -A	Point	10.00	756.00
2	1.13	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with L.5 sq.mm FRLS PVC insulated copper conductor single core cable wire in existing surface /			

		recessed medium class PVC conduit including dismantling as required.			
a)	1.13.1	Group -A	Point	20.00	389.00
3	1.7	Wiring for circuit/ submain wiring alongwith 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)	1.7.1	2 x 1.5 sq.mm. + 1 x 1.5 sq.mm. earth wire	Meter	20.00	201.00
b)	1.7.2	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	40.00	246.00
c)	1.7.3	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	30.00	309.00
d)	1.7.13	4 X 16 sq. mm + 1 X 6 sq. mm earth wire	Meter	20.00	1,312.00
4	1.15	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit as required.			
a)	1.15.1	1 X 1.5 sq. mm	Meter	30.00	38.00
b)	1.15	3 x 1.5 sq. mm	Meter	32.00	93.00
c)	1.15.12	3 x 2.5 sq. mm	Meter	22.00	138.00
d)	1.15.21	3 x 4 sq. mm	Meter	36.00	207.00
5	1.22	Supplying and fixing metal/ PVC box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.			
a)	1.22.3	150 mm X 75 mm X 60 mm deep	Each	2.00	179.00
b)	1.22.10	250 mm X 300 mm X 60 mm deep	Each	2.00	573.00
6	1.23	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as required.			
a)	1.23.1	5/6 Amps switch	Each	30.00	37.00
b)	1.23.4	3 pin 5/6 Amps socket outlet	Each	5.00	55.00
c)	1.23.9	step fan regulator, piano type	Each	5.00	311.00
7	1.29	Supplying and fixing metal/pvc box of 150mm X 75mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connections, painting etc. as required.	Each	8.00	306.00
8	1.30	Supplying and fixing metal/pvc box of 180mm X100mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connections, painting etc. as required.	Each	7.00	424.00
9	1.33	Supplying and fixing 2 pin,5/6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	14.00	64.00
10	1.34	Supplying and fixing batten/ angle holder including connection etc. as required.	Each	8.00	80.00
11	1.38	Supplying and fixing electronic musical call suitable for single phase, 230 volts complete bell as required.	Each	1.00	351.00
12	2.12	Supplying and fixing following amps rating, 240/415 volts, δCδ 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	6 A to 32'A, Single pole	Each	5.00	237.00
b)	2.12.8	40 A to 63 A, TP&N	Each	2.00	2,329.00
13	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	3.00	1,513.00
14	5.1	Supplying and fixing 4x18 Watt watt LED batten with minimum efficacy 100 lm/w in polycarbonate housing and complete with integrated electronic driver etc directly on wall /ceiling including connection with 1.5 sq mm FRLS PVC insulated copper conductor etc as required	Each	7.00	521.00
15	8.15	Supply and installation of regulator /standard model A.C ceiling fan of 1200 mm sweep with service value (CM/MM) minimum 4.00 Air delivery minimum 210 cum/min including wiring the down rod of standard length (upto 30 cm)with 1.5 sq mm FRLS PVC insulated copper conductor etc as required	Each	5.00	2,482.00
16	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 damage connection testing commissioning etc as required.			
a)	8.17.1	300 mm sweep	Each	3.00	2,572.00

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 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-03

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Providing Washing Table for MCH Lab and Computer Lab Vitrified Floor Tiles Aluminium Partition and other Miscellaneous Work in Nursing College at igims patna -14
1	Estimated Cost (In Rs.) :-	Rs. 4,95,184/-
2	Earnest Money (In Rs.) :-	Rs. 10,000/-
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	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	8.2.2.2	Area of slab over 0.50 sqm	sqm	3.50	4401.20
2	10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless stel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg.	106.00	546.80
3	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement , trenching , refilling & testing of joints complete as per direction of Engineer in Charge.			
a	18.9.3	25 mm nominal outer dia pipes	metre	45.00	294.70
b	18.9.2	20 mm nominal outer dia pipes	metre	30.00	205.30

4	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	1.00	185.60
b	18.46.3	25 mm nominal bore	each	1.00	265.90
5	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1	25 mm dia nominal bore.	Each	2.00	532.30
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	45.00	257.50
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			
i	12.79.3.2	110 x110 x110 mm dia PVC	each	4.00	193.40
b	12.79.4	Single tee without door			
i	12.79.4.2	110 x110 x110 mm dia PVC	each	5.00	190.70
c	12.79.5	Band 87.5			
ii	12.79.5.2	110 mm dia PVC	each	6.00	132.00
8	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe			
a	17.28.1.1	32 mm dia	each	2.00	91.00
9	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	each	2.00	108.00
10	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.			
11	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	1.00	2369.90
12	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	1.00	3879.40
13	18.76.1	Cutting holes up to 30x30 cm in walls including making good the same 18.76.1 With common burnt clay F.P.S. (non modular) bricks	each	2.00	198.50
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			
	17.11.2	Size 600x450x200 mm	each	2.00	5085.9
15	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	kg	52.08	386.10

		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)			
16	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)			
a	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm).	sqm	3.00	1285.60
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	21.00	1638.80
18	26.89	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white colour and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice 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 piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)			
a	26.89.1	18 mm thick	sqm	43.03	2625.10
19	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	189.00	669.00
20	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	9.63.4	100x10 mm	each	15.00	35.40
21	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	15.00	222.00
22	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	15.00	34.10
23	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each	10.00	355
24	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	378.00	9.70
25	13.77.2	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade .New work (two or more coats) over and including priming coat with cement primer	sqm	378.00	102.30
26	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	378.00	38.70
27	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.	85.00	81.10

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-04

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Demolishing Work (Boundary wall, Footpath , old security room and Road divider) , Surface Dressing , Filling Local Sand and Preparation of Hard surface , West side of Main Road at IGIMS , patna-14
1	Estimated Cost (In Rs.) :-	Rs. 3,90,368/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
a	15.7.4	In cement mortar	cum	135.36	823.7
		Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	49.30	1411.2
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	192.24	287.30
5	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.	1,120.00	44.70
8		Extra cost for carriage of Material			
a		Extra cost for carriage of Extra Earth (1 Km)	Cum	184.66	240.01
b		Local Sand	Cum	192.24	310.47

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	ACP Cladding for Wall in Proposed MICU at First Floor of SCI Building at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 3,90,222/-
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.	BSR-2022	Item Description	Unit	Qty.	Rate
1	26A.1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS74,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).	kg	89.68	370.40
2	26A.7	ACP CLADDING			
		Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:			
		a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.			
		b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.			

		c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing. The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places	sqm	55.32	4474.20
3	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete	Sqm	180.00	9.70
4	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete	Sqm	180.00	9.70
5	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	180.00	33.20
6	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm	180.00	38.70
7	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.	20.00	81.10
8	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	108.00	54.30
		Non Schedule Items.			
9	NSI	Providing and fixing vertical blind with rolling track etc all completed	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 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-06

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Repair and painting work of Newly allotted and vacant quarter No. Old MDH-1/2, 1/7, 1/10, 1/12,3/8, 2/9, 4/5 NMDH- 2, 4, 7, 6 , 33, 37 and old MNH- 3/5, 4 /7, 1/8 at IGIMS Patna-14			
1	Estimated Cost (In Rs.) :-	Rs. 3,30,064/-			
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	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	1.00	3,998.10
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	255.00	237.20
3	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	2,449.00	9.70
4	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	2,449.00	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	2,449.00	38.70
6	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.	255.00	81.10
7	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.	207.00	54.30
a	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	4.20	1,775.30
8	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	sqm	4.20	401.40
9	17.28.1.1	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	16.00	91.00
10	18.74	Providing and fixing unplasticised P.V.C. connection pipe with			

		PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	10.00	108.00
11	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	16.00	434.20
12	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	sqm	4.20	401.40
13	2.37	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termites' treatment (including the cost of chemical emulsion)			
14	2.37.5	Treatment at points of contact of wood work by chemical emulsion chlordane. (in oil or kerosene based solution)@ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	metre	50.00	270.20

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-07

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Provision of Water Tank on the Terrace of OPD Building and Other Miscellaneous Work in Emergency Yellow Zone at IGIMS. Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 3,24,924/-		
2	Earnest Money (In Rs.) :-		Rs. 6,500/-		
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	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	2.00	396.10
2	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
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	35.52	30.70
4	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	Cum	2.25	1411.20
5	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.	9000.00	9.70
6	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	28.96	205.30
b	18.9.3	25 mm nominal outer dia pipes	metre	25.91	294.70
c	18.9.5	40 mm nominal outer dia Pipe	metre	112.00	477.60
d	18.9.6	50 mm nominal outer dia Pipes	metre	28.20	730.30
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	6.00	185.60
b	18.46.3	25 mm nominal bore	each	4.00	265.90
c	18.46.5	40 mm nominal bore	each	14.00	419.70
d	18.46.6	50 mm nominal bore	each	2.00	565.60
8	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end)			
a	18.19.4	50 mm nominal bore			
b	18.19.4.2	Vertical	each	2.00	1320.80
9	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	2.00	1049.20
c	18.19.2	32 mm nominal bore			
i	18.19.2.2	Vertical	each	2.00	777.90
10	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			
a	18.18.3	25 mm nominal bore	each	2.00	399.20
11	11.73	Providing designation 100 A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I/	sqm	14.64	444.80
12	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	2.11	5017.90
13	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	38.62	176.40
14	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	1.21	3998.10
15	13.26	Neat cement punning	sqm.	38.62	40.50
16	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	11.00	287.30
17	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	16.00	283.30
18	13.80	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	96.00	9.70
19	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	96.00	33.20
20	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	96.00	38.70
21	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.	20.00	81.10
22	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: One or more coats	Sqm.	43.00	54.30

		on old work.			
23	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	13.20	795.00
24	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	7.92	686.80
25	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	14.40	1638.80
26	12.78	Providing and fixing on wall face unplastidse -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.78.1	75 mm diameter	metre	9.00	162.70
b	12.78.2	110 mm diameter	metre	25.00	257.50
27	12.79	Providing and fixing on wall face unplastidse -PVC molded fitting/accessories for unplasticised PVC rain water pipes conforming to S: 4985 including jointing with seal ring conforing to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.79.3	Single tee with door			
i	12.79.3.2	110 mm	each	4.00	193.40
b	12.79.5	Band 87.5°			
i	12.79.5.1	75mm bend	each	7.00	91.80
ii	12.79.5.2	110mm bend	each	6.00	132.00
28	17.28	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete.			
a	17.28.1	Semi rigid pipe			
i	17.28.1.1	32 mm dia	Each	6.00	91.00
29	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125mm nominal dia with 25 mm waste hole.	Each	6.00	45.20
30	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	3.00	589.90
31	18.52.1	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

32	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	4.00	434.20
33	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	6.00	108.00
34	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	6.00	136.40
35	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	4230.00
36		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	2.65	1132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.07	2464.45
c		Bricks (7P+ 1K)	%o	1.04	840.43
d		Difference of Cost of Bricks	%o	1.04	1420.51
e		Difference of Cost of Cement	tonn	2.00	234.62
		<u>CIVIL NON-SCHEDULED ITEMS</u>			
37	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	2.00	
38	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	

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-08

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair and renovation of HDU Room in Annexe Block Ground Floor and Endoscopy Toilet first floor of Diagnostic Block at IGIMS, Patna -14		
1	Estimated Cost (In Rs.) :-		Rs. 2,79,840/-		
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	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	91.00	21.70
2	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
3	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	cum	2.00	1,411.20
4	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	39.56	30.70
5	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 m lead as directed by Engineer-in-charge.	sqm	50.92	23.70
6	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	5.74	283.30
7	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	2.00	3,998.10
8	13.13	20 mm cement plaster of mix ;			
a	13.13.2	1: 4(1 cement: 4 coarse sand)	sqm	115.00	209.90
9	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	421.45	9.70
10	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	290.45	33.20

11	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	290.45	38.70
12	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.	290.45	81.10
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.	160.34	54.30
14	13.81	Applying priming coat:			
a	13.81.2	with ready mixed aluminum primer of approved brand and manufacture on resinous wood and plywood.	sqm	160.34	41.20
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	8.72	686.80
16	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	11.56	795.00
17	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 andlevel 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	4,470.90
18	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
19	17.7	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	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	2.00	2,369.90
20	17.28.1.1	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	7.00	91.00
21	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	3.00	434.20
22	18.52.1	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
23	18.21.2	Providing and fixing uplasticised PVC connection pipe with brass ions :			
a	18.21.2.1	15 mm nominal bore	each	4.00	85.20
24	12.78	Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			

a	12.78.2	110 mm diameter	m	20.00	257.50
25	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	6.00	190.70
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	5.00	193.40
c	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	10.00	132.00
26	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	30.00	350.80
27	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	4.00	136.40
28	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	2.00	182.72
29	9.81	Providing and fixing bright finished brass handles with screws etc. complete:			
a	9.81.1	125 mm	each	5.00	202.10
30	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		34.10
31	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each	8.00	355.00
32	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:			
a	9.74.2	200x10mm	each	4.00	227.30
33	14.40	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete.			
a	14.40.1	125x70x4 mm (ordinary type)	each	2.00	160.70
34	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	44.00	669.00

35	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	4.00	222.00
36	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	25.00	292.20
37	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/sqni).	sqm	24.00	480.60
38	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			
a	18.18.2	20 mm nominal bore	each	2.00	397.40
39	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	2.00	185.60
40		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	4.03	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.78	2,464.45
c		Bricks (7P+ 1K)	%o	0.18	840.43
d		Difference of Cost of Bricks	%o	0.18	1,420.51
e		Difference of Cost of Cement	tonn	1.84	234.62
f		Extra cost for carriage of extra earth	cum	25.00	208.17
		<u>CIVIL NON-SCHEDULED ITEMS</u>			
41	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-in-charge	sqm	1.50
42	NSI	Providing and fixing 19mm thick Centutyary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per architectural drawings and directions of engineer-in-charge	sqm	20.56

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-09

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Repair and painting work of Old D-3/6 and new E-3/4 and New D-4/1 at IGIMS, Patna -14			
1	Estimated Cost (In Rs.) :-	Rs. 2,73,505/-			
2	Earnest Money (In Rs.) :-	Rs. 5,500/-			
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	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.00	3,998.10
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	140.00	237.20
3	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,400.00	9.70
4	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	1,400.00	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	1,400.00	38.70
6	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.	200.00	81.10
7	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :			
8	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.	460.00	54.30
9	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	3.89	599.30
10	13.18	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with afloating coat of neat cement on the rough side of single or half brickwall	sqm	41.27	229.30

11	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	6.00	795.00
12	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	7.55	1,638.80
13	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	8.30	257.50
14	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	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	4.00	132.00
16	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	0.50	360.70
	9.7	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc.complete:			
	9.70.2	100X58X1.90 mm	Each	5.00	75.60
19	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	5.00	111.40
20	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. complete100mm	Each	5.00	57.10
21	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	3.54	1,775.30
22	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	sqm	3.54	401.40
33	2.37	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termites' treatment (including the cost of chemical emulsion)			
a	2.37.5	Treatment at points of contact of wood work by chemicaemulsion chlordane. (in oil or kerosene based solution)@ 0.5litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	metre	150.00	270.20

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-10

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair and Painting Work of R.I.O OPD and Waiting area at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,89,398/-		
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	13.80	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	1645.99	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	1050.00	33.20
3	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	1050.00	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.	200.00	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	595.99	54.30
7	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 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	kg	12.00	386.10

		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)			
8	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):			
a	21.3.2	With float glass panes of 5.5 mm thickness	sqm	2.50	1115.10
9	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	8.00	396.10
10	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	8.00	905.50
11	12.78	Providing and fixing on wall face unplasticised -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.78.2	110 mm diameter	metre	35.00	257.50
12	12.79	Providing and fixing on wall face unplasticised -PVC molded fitting/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			
i	12.79.3.2	110 mm	each	6.00	193.40
b	12.79.5	Band 87.5°			
ii	12.79.5.2	110mm bend	each	6.00	132.00
13	17.28	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete.			
a	17.28.1	Semi rigid pipe			
i	17.28.1.1	32 mm dia	Each	8.00	91.00
14	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125mm nominal dia with 25 mm waste hole.	Each	8.00	45.20
15	18.55.1	Providing and fixing PTMT stop cock of approved quality and colour. 15 mm nominal bore, 86 mm long, weighing not less than 88gms	each	8.00	103.10
16	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	8.00	434.20
17	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	8.00	108.00
18	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed			

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-11

SHORT NOTICE INVITING TENDER NO.- 11/IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Making 2.0 Nos. M.S. Guard Room Near Emergency & OPD Entrance at IGIMS, Patna.-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,56,330/-		
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	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	3.53	3998.10
2	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	391.00	123.90
3	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	547.61	144.50
4	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	45.00	84.50
5	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand)	Sqm.	10.00	176.40
6		<u>Extra cost for carriage of Material</u>			
a		Sone Sand (45 km from Koelwar)	Cum	1.57	1132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	2.85	2464.45
e		Difference of Cost of Cement	tonn	1.268	234.62

