

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-		Development of Parking Area Fencing Work West side Indira Gandhi Park at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-		Rs. 14,90,654/-		
2	Earnest Money (In Rs.) :-		Rs. 29,900/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 2500/-		
4	Time of completion :- (In Days)		30 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	2.32	Clearing jungle including uprooting of rank vegetation ,grass, brush wood,trees and saplings of girth upto 30 cm measured at a height of 1 m aboveground level and removal of rubbish upto a distance of 50 m outside theperiphery of the area cleared.	sqm	150.00	6.97
2	2.29	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m			
a	2.29.1	All kinds of soil.	Sqm.	150.00	13.55
3	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	72.00	292.20

4	20.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).			
a	20.2.1	300 mm dia piles	Meter	93.00	902.60
5	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	12.47	360.70
6	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	42.80	287.30
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.	34.49	283.30
8		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	200.00	444.80
9	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	6.38	3,998.10
10	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	13.97	4,688.30
11	5.2	Reinforced cement concrete work in wall (any thickness), including attached plasters, uttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement			
a	5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	5.69	5,670.00
12	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 dia	kg	734.17	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	451.36	92.60
c	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia	kg	544.72	90.80
13	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	122.50	404.70
14	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	21.00	4,923.00
15	6.3C	Extra tor Brick work in superstructure above plinth level upto floor V	Cum	17.50	842.200
16	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.	101.50	176.400
17	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	105.00	152.900
18	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	206.00	137.000
19	9.48.1	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	2,778.22	144.500
20	16.7	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.			
a	16.70.1	Made of G.I. wire of dia 4 mm	sqm	157.50	687.200
21	13.82.1	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade new steel work	sqm	200.90	83.500
22	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	627.48	123.900
23		Extra cost for carriage of Material			
a		Local Sand / Earth soil (3 Km)	Cum	49.81	310.47
b		Sone Sand (45 km from Koelwar)	Cum	23.02	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	27.71	2,464.45
d		Bricks (7P+ 1K)	%o	22.25	840.43
e		Difference of Cost of Bricks	%o	11.87	1,420.51
f		Difference of Cost of Cement	tonn	15.72	234.62

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-02

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-	Repair , Painting and Renovation of Work of OPD Toilet Block and Central Store at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 7,87,073/-
2	Earnest Money (In Rs.) :-	Rs. 15,800/-
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	144.00	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	24.00	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	0.50	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	0.50	823.70

5	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4(1 cement:4 coarse sand)	sqm	200.00	237.20
6	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
7	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	sqm	77.08	54.30
8	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	951.24	33.20
9	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	951.24	38.70
10	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	Sqm	951.24	9.70
11	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required			
a	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	8.00	3,723.20
12	17.7	Providing and fixing wash basing with C.I. brackets 15mm C.P. brass pillar taps 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever require.			
a	17.7.1	White vitreous china wash basing size 630X450 mm with a pair of 15 mm C.P. brass pillar taps.	Each	8.00	2,764.40
13	17.1	Providing and fixing water closet squatting pan (Indian type W.C.pan)with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete,including			

		cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :			
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4.00	4,470.90
14	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	4.00	4,230.00
15	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	18.9.3	25 mm nominal outer dia pipes	metre	120.00	294.70
b	18.9.2	20 mm nominal outer dia pipes	metre	270.00	205.30
16	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	20.00	185.60
b	18.46.3	25 mm nominal bore	each	20.00	265.90
17	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	12.78.1	75 mm diameter	metre	40.00	162.70
b	12.78.2	110 mm diameter	metre	126.00	257.50
18	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	12.79.2	Coupler			
	12.79.2.2	110 mm	each	15.00	374.60
b	12.79.3	Single tee with door			
	12.79.3.2	110 mm	each	15.00	193.40
c	12.79.5	Band 87.5°			
	12.79.5.1	75mm bend	each	18.00	91.80
	12.79.5.2	110mm bend	each	36.00	132.00
19	17.28	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete.			
	17.28.1	Semi rigid pipe			
a	17.28.1.1	32 mm dia	Each	24.00	91.00
20	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	24.00	45.20
21	18.18	Providing and fixing ball valve (brass)of approved quality High or Low Pressur, with plastic floats complete.			
a	18.18.3	25 mm nominal bore (3 no. of floor)	Each	8.00	399.20
22	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	48.00	103.10
23	18.54.1	Providing and fixing PTMT bib cock of approved quality and colour 15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	48.00	109.80
24	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	12.00	1,068.50
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	24.00	108.00
26	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not	each	12.00	96.80

		less than 106 gms			
27	9.1.2	Providing sal wood work in frame of doors(choukhats) and fixed in position.	cum	0.18	95,670.70
28	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	11.52	1,775.30
29	9.83	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	6.00	979.50
30	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	10.00	108.10
31	9.96.2	Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	10.00	210.10
32	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	10.00	111.40
b	9.97.4	150x10 mm	Each	10.00	71.60
33	9.100.	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	20.00	50.30
34	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mmwith a wall thickness of 5 mm,made out of extruded 5 mm rigid PVCfoam sheet, mitred at corners and joined with 2 Nos. of 150 mm longbrackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge,EPDM rubber gasket weather seal to be provided through out theframe. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as	mtr.	89.10	379.40

		per manufacturer's specification and direction of Engineer-in-Charge			
35	9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x19 mm for styles and 15x15 mm for top & bottom rails. M.S.frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick,95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of ngineer-incharge, manufacturer's specification &			
a	9.120.1	30 mm thick plain PVC door	sqm.	28.35	2,293.40
36	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	1.50	4,688.30
37	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	50.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	100.00	92.60
38	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	12.00	437.50
39	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	5.25	599.30
40	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	10.50	152.90
41	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	1.50	3,998.10
42	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	57.00	795.00
43	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	68.00	686.80
44	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	12.00	905.50
45	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	320.00	144.50
46	14.5.	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:			
a	14.5.2	Float glass panes of thickness 5.5 mm	sqm	8.64	1,026.90

47	18.77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof	each	10.00	217.10
48		Extra cost for carriage of Material			
b		Sone Sand (45 km from Koelwar)	Cum	4.00	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	3.00	2,464.45
d		Bricks (7P+ 1K)	%o	0.30	840.43
e		Difference of Cost of Bricks	%o	0.30	1,420.51
f		Difference of Cost of Cement	tonn	2.50	234.62

Quoted Rates:for schedule item

- a- ò ò ò ò ò ò % above
- b- ò ò ò ò ò ò % below
- c- ò ò ò ò 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 :ò ò ò ò ò ò ò ò ò ò ò ò ò ò ò ò ..
- 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

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-	Repair, painting and Aluminium Partition work in New Cash Counter and Extension of ECG Room at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 6,10,696/-
2	Earnest Money (In Rs.) :-	Rs. 12300/-
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	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	34.02	237.20
2	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.	34.02	81.10
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	226.80	9.70
4	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	226.80	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	226.80	38.70
6	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more	Sqm.	90.00	54.30

		coats on old work.			
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 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	210.00	386.10
8	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	22.95	826.90
9	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	8.35	1,115.10
10	17.7	Providing and fixing wash basing with C.I. brackets 15mm C.P. brass pillar taps 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever require.			
a	17.7.1	White vitreous china wash basing size 630X450 mm with a pair of 15 mm C.P. brass pillar taps.	Each	1.00	2,764.40
11	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	18.9.3	25 mm nominal outer dia pipes	metre	7.00	294.70
b	18.9.2	20 mm nominal outer dia pipes	metre	10.00	205.30

12	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
b	18.46.3	25 mm nominal bore	each	2.00	265.90
13	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	12.78.1	75 mm diameter	metre	3.00	162.70
b	12.78.2	110 mm diameter	metre	8.00	257.50
14	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.			
b	12.79.3	Single tee with door			
	12.79.3.2	110 mm	each	3.00	193.40
c	12.79.5	Band 87.5°			
	12.79.5.1	75mm bend	each	2.00	91.80
	12.79.5.2	110mm bend	each	3.00	132.00
15	17.28	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete.			
	17.28.1	Semi rigid pipe			
a	17.28.1.1	32 mm dia	Each	1.00	91.00
16	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	1.00	45.20
17	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
18	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 (3 no. of floor)	Each	1.00	399.20
19	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	1.00	1,068.50

20	9.1.2	Providing sal wood work in frame of doors(choukhats) and fixed in position.	cum	0.05	95,670.70
21	9.83	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	2.00	979.50
22	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	4.00	108.10
23	9.96.2	Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	4.00	210.10
24	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	4.00	111.40
b	9.97.4	150x10 mm	Each	4.00	71.60
25	9.100.	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	8.00	50.30
26	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
27	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	each	1.00	96.80
28	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.			
a	17.73.1	450 mm long towel rail with total length of 495 mm,78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	1.00	397.30
29	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
30	11.36	Providing and fixing 1st quality ceramic glazed wall tiles	sqm	7.50	795.00

		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.			
31	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	2.16	686.80
32	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	Each	2.00	434.20
33	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	0.25	3,998.10
34	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	1,321.71	144.50
35	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.	410.00	546.80
36	9.133.2.1	Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS :14862 with suitable fibre cement screw 8 mm thick. (everest Havy duty or its equavalant.)	sqm	15.86	853.10

Quoted Rates:for schedule item

- a- ō ō ō ō ō ō % above
- b- ō ō ō ō ō ō % below
- c- ō ō ō ō 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 :ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ..
- 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

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-	Painting Aluminum Partition and Wardrobe work of Pathology Deptt. First Floor of New Medical college building at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 5,72,854/-
2	Earnest Money (In Rs.) :-	Rs. 11,500/-
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	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4(1 cement:4 coarse sand)	sqm	50.00	237.20
2	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.	50.00	81.10
3	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	518.92	9.70
4	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	519.25	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	519.25	38.70

6	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.	342.67	386.10
7	21.2	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
a	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	61.99	826.90
8	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	184.00	669.00
9	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	10.00	222.00
10	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	10.00	34.10
11	9.80.	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	10.00	56.70
12	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete			

a	9.74.4	100x10mm	each	10.00	155.30
13	9.96.2	Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	8.00	210.10
14	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	8.00	111.40
b	9.97.4	150x10 mm	Each	8.00	71.60
15	9.100.	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	8.00	50.30
Civil Non Schedule Item					
16	NSI	Providing and fixing 12mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge .	sqm	25.00	õ õ õ õ õ õ õ
17	NSI	Providing and fixing 19 mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	67.00	õ õ õ õ õ õ õ .

Quoted Rates:for schedule item

- a- õ õ õ õ õ õ % above
- b- õ õ õ õ õ õ % below
- c- õ õ õ õ 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 :õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-	Drain Cleaning in Residential Campus Area at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 3,60,769/-
2	Earnest Money (In Rs.) :-	Rs. 7,300/
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-
4	Time of completion :- (In Days)	15 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	2.13	Excavating trenches of required width for pipes cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials , returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering,etc. stacking serviceable material for measurements and disposed ' of unserviceable material as directed, within a lead of 50 m:			
a	2.13.1.3	Ordinary rock Pipes, cables etc exceeding 300 mm dia m length of pipe	per meter	20.00	1,279.30
2	19.60	Providing and laying non-pressure NP2 class (light duty) R.C.C.pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :			
a	19.6.2	150 mm dia. R.C.C	per meter	20.00	410.70
3	19.35	Providing and laying Non Pressure NP-3 class (Medium duty)R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the			

		proportion of 1:2 (1 cement : 2 fine sand)including testing of joints etc. completed.			
a	19.35.1	450 mm dia RCC pipes.	per meter	10.00	2,167.10
4	6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1 :4 (1 cement: 4 coarse sand):	cum	3.00	5,017.90
5	13.17.1	12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of neat cemen	sqm.	50.00	203.60
6	19.30	Constructing brick masonry chamber for underground C.I.inspection chamber and bends with bricks in cement mortar 1:4 (1cement : 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	19.30.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :			
i	19.30.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2.00	5,942.00
7	19.31.1.1	Extra for depth beyond 45 cm of brick masonry chamber For 455x610 mm size With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	meter	1.00	3,946.20
8	19.19.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D- 2.5			
a	19.19.1.1	Rectangular shape 600x450 mm internal dimensions	each	15.00	1,120.60
b	19.19.1.2	Square shape 450 mm internal dimensions	each	5.00	946.80
9	2.25	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	kl.	100.00	107.20
10		Carrage of the following material			
a		Sone Sand (45 km from Koelwar)	Cum	1.50	1,132.90

d		Bricks (7P+ 1K)	%o	2.25	840.43
e		Difference of Cost of Bricks	%o	2.25	1,420.51
f		Difference of Cost of Cement	tonn	1.00	234.62
		CIVIL NON-SCHEDULE			
11	NSI	Supplying Labour and Tools for cleaning of filled up and choked manhole chamber and different size sewer line including disposal silt with all necessary arrangement .	cum	263.10

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

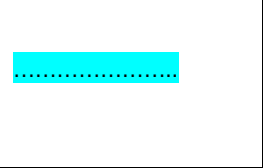
BILL OF QUANTITY-06

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-	Proposal for Lasik Laser Room in RIO OT Polyclinic Building First floor at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 3,55,815/-
2	Earnest Money (In Rs.) :-	Rs. 7200/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-
4	Time of completion :- (In Days)	15 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	Sqm.	8.00	5,143.00
2	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	160.00	386.10

3	Approved	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	63.70	1,609.32
4	12.52x	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge			
a	12.52x.4	12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.	sqm	32.58	1,004.20
5	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	9.127.1	1.5 mm thick	Sqm	60.00	795.60
		CIVIL NON-SCHEDULE			

6	NSI	Providing and fixing 19 mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	Sqm	30.00	
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Quoted Rates:for schedule item

- a- ō ō ō ō ō ō % above
- b- ō ō ō ō ō ō % below
- c- ō ō ō ō 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 :ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ..
- 2- Full postal address :-
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- 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

TENDER NOTICE NO.- Engg. /05/ EC/CW/Tender/2022-23)

Sl. No.	Name of the Work :-		Repair and Painting Work of Newly allotted D- Type Quarter No. (5/1, 5/5) at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-		Rs. 2,84,884/-		
2	Earnest Money (In Rs.) :-		Rs. 5800/-		
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	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	80.00	237.2
2	13.80	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	825.10	9.70
3	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	825.10	33.20
4	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	825.10	38.70
5	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.	80.00	81.10
6	5.20	Reinforced cement concrete work in wall (any thickness), including attached plasters, uttresses, plinth and string			

		courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centring, shuttering, finishing and reinforcement			
a	5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	0.60	5,670.00
7	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 dia	kg	22.12	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	49.60	92.60
8	5.90	Centring and shuttering including strutting, propping etc. and removal of form for.			
a	5.9.5	Lintels, beams, plinth bams, grids, dressings and cantilevers.	sqm	9.60	404.70
9	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	307.68	54.30
10	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	7.56	1775.30
11	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	8.00	4401.20
12	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	10.00	91.00
13	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

14	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	10.00	434.20
15	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
b	9.97.4	150x10 mm	Each	5.00	71.60
16	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	10.00	57.10
17	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	2369.90
18	2.37	Diluting and injecting chemical emulsion for POSTCONSTRUCTION anti-termites' treatment(including the cost of chemical emulsion)			
19	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			
	2.37.2.1	With chlorpyriphos E.C. 20% with 1% concentration	meter	500.00	49.10
		CIVIL NON SHEDULE ITEM			
20	NSI	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge.	sqm	10.00
21	NSI	Providing and fixing 19mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	25.00

Quoted Rates:for schedule item

- a- ō ō ō ō ō ō % above
- b- ō ō ō ō ō ō % below
- c- ō ō ō ō 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 :ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ..
- 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