

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT URGENT TENDER NOTICE NO.- Engg./01/ CW/Tender/2020-21

Sl. No.	Name of the Work :-	Proposed OPD Cabin in Newly Constructed RIO waiting Area at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 1496595/-		
2	Earnest Money (In Rs.) :-	Rs. 30000/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 2,500/-		
4	Time of completion :- (In Days)	45 Days		
5	Date, time & place for submission of Complete tender-	As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT		
Sl. No.	Item Description Schedule	Unit	Qty.	Rate

Civil Schedule Item				
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.	1,484.10	369.20

2	Providing and fixing 4mm thick ACP of approved brand and manufacture in panelling fixed in aluminium doors, window shutters and partition frames, with C.P.brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-incharge	sqm	159.50	1,198.89
3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows and partition etc. EPDM Rubber / neoperen gasket etc.			
a	with float glass panes of 5.5 mm thick	sqm	172.00	1,017.30
4	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring			
a	Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of GI sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. sqm	Sqm.	369.58	1,357.90
5	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. Complete 10.16.1 Hot finished welded type tubes	Kg.	210.00	88.60

6	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	110 mm diameter	rmt	20.00	238.30
7	Providing and fixing on wall face unplasticised - PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
b	Single tee with door			
i	110 x110 x110 mm dia PVC	each	4.00	183.10
b	Single tee without door			
i	110 x110 x110 mm dia PVC	each	4.00	183.10
c	Band 87.5			
i	110 mm dia PVC	each	4.00	124.70
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	20 mm nominal outer dia Pipes	metre	20.00	255.70
b	25 mm nominal outer dia Pipes	metre	15.00	308.00
9	Providing and fixing PTMT grating of approved quality and colour			
a	125 mm nominal dia with 25 mm waste hole	each	4.00	49.90
10	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws,including excavation,refilling the earth or cutting of wall and making good the same complete wherever required :			
a	20 mm nominal bore	each	5.00	332.40
b	25 mm nominal bore	each	5.00	369.80
11	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			

a	25 mm nominal bore	each	1.00	461.80
12	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore	each	4.00	588.20
13	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931	each	4.00	401.40
14	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	4.00	122.10
15	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.			
a	450 mm long towel rail with total length of 495 mm,78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	4.00	367.50
16	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	Area of slab over 0.50 sqm	sqm	6.00	3,699.10
17	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :			
a	Size 600x450x200 mm	each	4.00	3,314.40

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-02

SHORT URGENT TENDER NOTICE NO.- Engg. /01/ CW/Tender/2020-21

Sl. No.	Name of the Work :-	Miscellaneous Civil and fire Safety system work in New Building of Reproductive Medicine at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 8,32,687/-		
2	Earnest Money (In Rs.) :-	Rs. 16,700/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1,250.00		
4	Time of completion :- (In Days)	30 Days		
5	Date, time & place for submission of Complete tender-	As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-	As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT		
Sl. No.	Item Description Schedule	Unit	Qty.	Rate

CIVIL SCHEDULE				
<u>DISMANTLING ITEM WORK</u>				
1	15.13	<i>Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead.</i>		
a	15.13.1	<i>Of area 3 sqm and below</i>	<i>Each</i>	<i>9.00</i>
				<i>48.80</i>
2	14.40	<i>Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge.</i>		
a	14.4.1	<i>For door/ window/ clerestory window</i>	<i>sqm</i>	<i>1.84</i>
				<i>447.40</i>
3	15.23.1	<i>Dismantling tile work floor and roofs laid in cement mortar including stacking material within 50 metres lead.</i>		
			<i>Sqm</i>	<i>4.50</i>
				<i>25.50</i>
4	15.52	<i>Dismantling of flushing cistern of any size including stacking of useful materials near the site and isposal of unserviceable materials within 50 metres lead.</i>		
			<i>Each</i>	<i>1.00</i>
				<i>329.50</i>

5	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	0.50	4033.00
6	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :			
a)	6.1.14A	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	0.50	4799.20
7	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	10.00	139.90
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.	65.00	45.20
9	9.1.2	Providing sal wood work in frame of doors(choukhats) and fixed in position.	Cum	0.55	87862.50
10	Approved By IGIMS	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	5.04	2750.92
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	5.00	739.80
12	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	4.50	671.00
13	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 completeFixed to steel windows by welding	kg	1210.00	114.20
14	9.13	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	1.0 mm thick	sqm	58.00	541.20
15	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.	239.00	369.20
16	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 an engineer-in-charge	sqm	32.00	1198.89
17	21.3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows and partition etc. EPDM Rubber / neoprene gasket etc.			
a	21.3.2	with float glass panes of 5.5 mm thick	sqm	22.00	1017.30
18	17.7.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	8.00	2307.10
19	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	Each	4.00	401.40
20	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	588.20
21	9.82	supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	6.00	91.70

22	18.58.1.2	<i>Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole.</i>	<i>each</i>	<i>2.00</i>	<i>49.90</i>
23	18.65	<i>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</i>	<i>each</i>	<i>8.00</i>	<i>122.10</i>
24	17.72	<i>Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.</i>	<i>each</i>	<i>8.00</i>	<i>216.90</i>
25	17.31	<i>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</i>	<i>each</i>	<i>8.00</i>	<i>741.90</i>
26	9.83	<i>Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.</i>	<i>Each</i>	<i>8.00</i>	<i>429.50</i>
27	9.96.2	<i>Providing and fixing aluminium sliding door bolt anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm</i>	<i>Each</i>	<i>8.00</i>	<i>195.50</i>
28	9.97	<i>Providing and fixing aluminium sliding tower bolt anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:</i>			
a	9.97.1	<i>300x10 mm</i>	<i>Each</i>	<i>8.00</i>	<i>105.20</i>
29	9.100.1	<i>Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete 100mm</i>	<i>Each</i>	<i>10.00</i>	<i>54.00</i>

30	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	.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	3310.00
31	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	12.78.1	75 mm diameter	rmt	25.28	147.40
b	12.78.2	110 mm diameter	rmt	15.00	238.30
32	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	110 x110 x110 mm dia PVC	each	4.00	183.10
b	12.79.5	Band 87.5			
i	12.79.5.2	110 mm dia PVC	each	4.00	124.70
ii	12.79.5.1	75x75x75 mm dia PVC	each	4.00	85.10
33	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	50.00	255.70

34	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws,including excavation,refilling the earth or cutting of wall and making good the same complete wherever required :			
a	18.47.2	20 mm nominal bore	each	11.00	332.40
35	9.12	Providing and fixing factory made P.V.C. door frame of size 50x47 mmwith a wall thickness of 5 mm,made out of extruded 5 mm rigid PVCfoam sheet, mitred at corners and joined with 2 Nos. of 150 mm longbrackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge,EPDM rubber gasket weather seal to be provided through out theframe. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge	mtr.	5.00	462.00
36	9.120.1	30 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. An M.S tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take upnecessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places 30 mm thick plain PVC door shutter	sqm.	1.58	2920.80
37	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.	each	1.00	860.40

38	12.50	<p><i>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.</i></p>	Sqm.	7.21	575.80
39	8.20	<p><i>Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre-polished, 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</i></p>			
a	8.2.2.2	Area of slab over 0.50 sqm	sqm	4.20	3699.10
40		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	cum	2.10	878.40
b		Stone Aggregate ,(110Km From Gaya)	cum	0.46	1865.77
c		Bricks (lead 7km P+ 1km K)	%	0.26	767.08
d		Difference of Bricks	%	0.26	1470.46
f		Difference of Cement	mt	1.00	636.50
		(A) Total Amount of SI (Rs.):-			

		CIVIL NON SHEDULE ITEM			
41	NSI	<i>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</i>	sqm	58.00	
42	NSI Vide Cat. Page-11	<i>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.</i>	Each	8.00	
		(B) Total Amount NSI (Rs.):-			
		FIRE DETECTION & ALARM SYSTEM			
43	NSI	<i>Supply ,Installation and Commissioning ,Installation and Commissioning of 2 Zone Conventional Fire Alarm control Panel, 16X2 Charater LCD Display, provision for zone wise contact and sounder. Approval: CE Mark.</i>	Each	1.00	
44	NSI	<i>Supply ,Installation and Commissioning ,Installation and Commissioning of Optical Smoke Detector with base -Approval: UL Listed.</i>	Each	18.00	
45	NSI	<i>Supply ,Installation and Commissioning of Conventional Sounder with 24V DC, Audiable Sound 75 db @ 1 mtr range (16 V DC).</i>	Each	2.00	
46	NSI	<i>Supply, Installation and Commisssioning of Manual Pull Station - Single Action Red in Color - Approval: UL Listed.</i>	Each	2.00	
47	NSI	<i>Supply, Installation and Commisssioning of Response Indicator - Dual LED (Metal square plate type)</i>	Each	8.00	
48	NSI	<i>Providing and laying of 2 X 1.5 sq mm PVC insulated ISI marked twin core FRLS wire in recessed / surface system as required., including all fittings like PVC Conduit Pipe, etc.</i>	Mtr.	450.00	
		FIRE EXTINGUISHERS			

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-03

SHORT URGENT TENDER NOTICE NO.- Engg./01/ CW/Tender/2020-21

Sl. No.	Name of the Work :-	Development work in south Side of ward Block at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 7,22,465/-
2	Earnest Money (In Rs.) :-	Rs. 16,700/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1,250.00
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/ 2018	Item Description	Unit	Qty	Rate
1	23.21	<i>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.</i>	cum	155.40	243.00
2	4.17	<i>Making plinth protection 50 mm thick of cement concrete 1:3:6 (1mcement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.</i>	sqm	181.50	417.60
3	2.28	<i>Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete</i>	cum	62.42	238.60

4	11.77	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.e:	sqm	625.15	543.90
5	16.69.1	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).Kerb-Stone Block-M25 Grade (Size:375mm x 300mm x150mm)	cum	12.48	5,180.80
6	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :			
a	6.1.14A	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1.08	4,799.20
7	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	12.00	139.90
8	19.31	Extra for depth beyond 45 cm of brick masonry chamber :			
a	19.31.3.1	for 600x850 mm size with common burnt clay fps(non modular)bricks of class desig. 7.5	mtr.	5.00	4,986.00
9	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality			
a	19.19.1.1	LD-2.5Rectangular Shape 600x450mm internal dimensions	each	10.00	1,086.60
10		Carriage of Material			
a		Extra cost for carriage of Extra Earth (1 km)	Cum	264.50	210.65
b		Local Sand	Cum	63.00	262.05
c		Sone Sand (45 km from Koelwar)	Cum	40.25	878.40
d		Stone Chips (lead 180 Km P)	cum	17.08	1,865.77
e		Bricks (lead 4km P+ 1km K)	%	0.53	767.08
f		Difference of Cost of Bricks	%	0.53	1,470.46
g		Difference of Cost of Cement	tonn	9.50	636.50

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

SHORT URGENT TENDER NOTICE NO.- Engg./01/ CW/Tender/2020-21

Sl. No.	Name of the Work :-	Aluminium partition work for Physiology Lab at 5 th floor in New Medical College building at IGIMS, Patna.
1	Estimated Cost (In Rs.) :-	Rs. 2,49,080/-
2	Earnest Money (In Rs.) :-	Rs. 5000/-
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.	BSR/DSR-2018	DESCRIPTION	UNIT	QTY.	RATE
1	21.1.1.1	<i>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)</i>	kg.	448.62	369.20
2	21.2	<i>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.</i>			
a	21.2.1	<i>Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side</i>	sqm	84.00	851.20

3	21.3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows and partition etc. EPDM Rubber / neoperen gasket etc.			
a	21.3.2	with float glass panes of 5.5 mm thick	sqm	5.00	1017.30
4	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	5.0	429.50
5	9.100.1	Providing and fixing aluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 125mm	Each	10.0	54.00
6	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	10.0	91.70
7	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 to required colour or shade, with necessary screws etc.:			
a	9.97.1	300x10mm	each	10.00	105.20
8	9.96	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc.			
a	9.96.1	300x16mm	each	10.00	220.40

Quoted Rates:for schedule item

- a- 0 0 0 0 0 0 % above
- b- 0 0 0 0 0 0 % below
- c- 0 0 0 0 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 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ..
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

SHORT URGENT TENDER NOTICE NO.- Engg./01/ CW/Tender/2020-21

Sl. No.	Name of the Work :-	Alluminium partition work for Account Section and cash Counter at 5 th floor in New Medical College Building at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 2,16,235/-
2	Earnest Money (In Rs.) :-	Rs. 4500/-
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.	BSR/DSR-2018	DESCRIPTION	UNIT	QTY.	RATE
1	21.1.1.1	<i>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)</i>	kg.	439.83	369.20
2	21.2	<i>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.</i>			
a	21.2.1	<i>Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side</i>	sqm	40.50	851.20

3	21.3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows and partition etc. EPDM Rubber / neoperen gasket etc.			
a	21.3.3	with float glass panes of 8.0 mm thick	sqm	12.00	1,455.60
4	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	429.50
5	9.100.1	Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete 125mm	Each	4.00	54.00
6	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	2.00	91.70
7	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 to required colour or shade, with necessary screws etc.:			
a	9.97.1	300x10mm	each	2.00	105.20
8	9.96	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc.			
a	9.96.1	300x16mm	each	2.00	220.40

Quoted Rates:for schedule item

- a- ō ō ō ō ō ō ō % above
b- ō 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-06

SHORT URGENT TENDER NOTICE NO.- Engg./01/ CW/Tender/2020-21

Sl. No.	Name of the Work :-	Alluminium partition work for NICS I lab situated adjacent to left area at 4 th floor in New Medical College Building at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 1,93,000/
2	Earnest Money (In Rs.) :-	Rs. 3900/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1,250.00
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.	BSR/DSR-2018	DESCRIPTION	UNIT	QTY.	RATE
1	21.1.1.1	<i>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)</i>	kg.	396.37	369.20
2	21.2	<i>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.</i>			
a	21.2.1	<i>Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side</i>	sqm	38.40	851.20
3	21.3	<i>Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows and partition etc. EPDM Rubber / neoprene gasket etc.</i>			
a	21.3.3	<i>with float glass panes of 8 mm thick</i>	sqm	9.6	1455.60

