

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14

**BILL OF QUANTITY ( SI.-1)**

1	Name of the work	Repair & Renovation of Deptt. of Anatomy G.F. North Side (Existing Medical College) at IGIMS, Patna.
2	Estimated cost	Rs.- 3,34,550/-
3	Cost of BOQ	Rs.750/-
4	Earnest Money Deposited	Rs. 6700/-
5	Time of Completion	30 days (Thirty)
6	Last date and time of receipt of tender	02.07.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	03.07.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
	<b>CIVIL WORK</b>			
1	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	Sqm	55.44	2,959.00 Rs. Two thousand nine hundred fifty nine only
2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm	62.24	50.90 Rs. Fifty & paise nine zero only.
3	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	790.00	20.20 Rs. Twenty & paise two zero only.
4	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm .	790.00	26.10 Rs. Twenty six & paise ten zero only.

5	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	790.00	5.40 Rs. Five & paise four zero only
6	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	237.00	76.80 Rs. Seventy six & Paise eight zero only.
7	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 shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead. With cement mortar 1:4(1 cement:4 coarse sand)	Sqm.	80.00	135.60 Rs. One hundred thirty five & Paise six zero only.
8	Providing and fixing flush door shulter 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	22.26	2,750.92 Rs. Two thousand seven hundred fifty & Paise nine two only.
9	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position Sal woodcum	Cum	0.14	74,774.30 Rs. Seventy four thousand seven hundred seventy four & Paise three zero only.
10	Providing and fixing alluminium sliding door bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	3.00	184.90 Rs. One hundred eighty four & Paise nine zero only.
11	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:		-	
12	300x10 mm	Each	5.00	114.10 Rs. One hundred fourteen & Paise one zero only.

13	150x10 mm	Each	5.00	66.00 Rs. Sixty six only.
14	Providing and fixing alluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 100mm	Each	5.00	55.80 Rs. Fifty five & Paise eight zero only .
15	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.	Sqm	10.00	788.60 Rs. Seven Hundred eighty eight & Paise six zero only.
16	Providing and fixing alluminium hanging floor door stopper 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: Twin rubber stopper	Each	3.00	82.70 Rs. eighty two & Paise seven zero only.
17	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. complete	Each	2.00	756.10 Rs. Seven hundred fifty six & Paise one zero only.
18	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia. nominal bore	Rmt	5.00	166.90 Rs. One hundred sixty six & Paise nine zero only.
19	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
20	15 mm dia nominal bore.	Each	2.00	129.70 Rs. One hundred twenty nine & Paise seven zero only.

21	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia. nominal bore.	Each	3.00	497.00 Rs. Four hundred ninety seven only.
22	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm dia.nominal bore.	Each	5.00	670.70 Rs. Six hundred seventy & Paise seven zero only
23	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	Each	8.00	81.10 Rs. Eighty one & Paise one zero only.
24	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.	Each	8.00	79.30 Rs. Seventy nine & Paise three zero only
25	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	Each	5.00	61.80 Rs. Sixty one & Paise eight zero only.
26	Providing and fixing on wall face unplastidsed-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. 110 mm dia	Rmt	20.00	214.20 Rs. Two hundred fourteen & Paise two zero only
27	Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 75 mm dia	Rmt	5.00	127.40 Rs. One hundred twenty seven & Paise four zero only.

28	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.			
	Single pushfit coupler			
	110 mm dia PVC	Each	8.00	181.20 Rs. One hundred eighty one & Paise two zero only.
	Single tee with door			
	75 x 75x 75 mm dia PVC	Each	2.00	228.30 Rs. Two hundred twenty eight & Paise three zero only.

Quoted Rates:

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

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- 5- Time of completion :-

Signature of Contractors

Superintending Engineer (C)  
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14

BILL OF QUANTITY ( SI.- 3)

1	Name of the work	Civil Work for Development of south side IPP-7 Boys Hostel Mess Area in Staff and Store Room at IGIMS, Patna. (S.N.3)
2	Estimated cost	Rs. 1,77,220/-
3	Cost of BOQ	Rs.500/-
4	Earnest Money Deposited	Rs. 3550/-
5	Time of Completion	20 days
6	Last date and time of receipt of tender	02.07.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	03.07.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
1	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead: In cement mortar	cum	2.325	435.7
2	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ).	Cum	1.68	4184
3	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Extra for half Brick masonry in superstructure above plinth level upto floor V level.	Sqm	29.29	538.3
4	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	20.57	192.5
5	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	41.83	227.6

6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete..Mild steel 6.0 mm dia	kg	24.4	70.4
6(a)	10 mm dia	kg	23.86	73.1
7	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforcd cement concrete.All work upto plinth level	cum	0.5	3910.8
8	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	3.13	3741.3
9	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	138.6	100.3
10	Cement plaster in course sand 20 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	54.29	140.6
11	Neat cement punning	Sqm.	54.29	27.9
12	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	Sqm.	57.5	622
13	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm MS gusset plates at the junction and corners.all ecessary fittings completeincluding applying a priming coat of approved steel primer. sqm 2247.80 10.7.1 Using flats 30x6 mm for diagonal braces and central cross piece.	Sqm.	4.2	2598.9

14	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.	177.1	92.9
15	Providing and fixing 15 cm wide 45 cm over all semi circular plain G.S.sheet gutter with iron brackets 40x3 mm size bolts, nuts and washers etc.including making necessary connections with rain water pipes complete.12.9.3 0.80 mm thick with zinc coating not less than 275 gm/m2	rmt	11.00	460.10
16	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats).	Sqm.	138.6	60.5
7	Providing and fixing C.P. brass pillar cock /bib cock of approved quality conforming to IS:8931 15 mm dia.nominal bore.	each	3	458.4
18	Any Other category of un skilled worker not mentioned above for cleaning of floor etc.	Each	5	184
19	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	26.51	162.76
b	Sone Sand (45 km from Koelwar)	Cum	5	545.8
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	3	1593.64
d	Bricks (7P+ 1K)	%o	5	476.5
e	Difference of Cost of Bricks	%o	5	1088.9
f	Difference of Cost of Cement	tonn	1.5	818.35

Quoted Rates:

a- .....% above

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Signature of Contractors

Superintending Engineer (C)  
I.G.I.M.S., Patna



**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14**

**BILL OF QUANTITY ( SI.-2)**

1	Name of the work	Construction of AHU Shade at Terrace Floor of Diagnostic Block at IGIMS, Patna.
2	Estimated cost	Rs. 4,11,594/-
3	Cost of BOQ	Rs.750/-
4	Earnest Money Deposited	Rs. 8250/-
5	Time of Completion	30 days (Thirty)
6	Last date and time of receipt of tender	02.07.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	03.07.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (InRs.)
1	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	1.00	741.60
2	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, 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.1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	5.00	4436.60
3	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ) Extra for Brick work in superstructure above plinth level up to floor V cum	Cum	2.70	4525.40
4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete			
5	Thermo-Mechanically Treated bars TMTC-500- 12mm dia.	Kg.	225	71.80
6	Thermo-Mechanically Treated bars TMTC-500- 8mm dia	Kg.	150.00	74.40

7	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	1,617.20	91.50
8	Cement plaster in course sand 12 mm cement plaster of ix:1:3(1 cement :3 coarse sand)	Sqm.	40.00	111.30
9	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: 10.16.1 Hot finished welded type tubes	Kg.	1154.00	92.90
12	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	Sqm.	90	622
11	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats)+Applying one coat of cement primer of approved brand and manufacture on wall surface:Cement primer	Sqm.	50.00	85.40
12	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: 13.82.1 New steel work (two or more coats)	Sqm.	77.40	60.70
13	15 mm cement plaster 1:3 (1 cement: 3 coarse sand ) finished with a floating coat of neat cement on the rough side of single or half brick wall.	sqm	10.00	156.20
14	Centring and shuttering including strutting, propping etc. and removal of form forCentring and shuttering including strutting, propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.	Sqm.	40.04	166.70
15	Extra cost for carriage of Material			
16	Sone Sand (45 km from Koelwar)	Cum	6.50	545.80
17	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	5.00	1593.64

18	Bricks (7P+ 1K)	%o	1.50	476.50
19	Difference of Cost of Bricks	%o	1.50	1088.90
20	Difference of Cost of Cement	tonn	3.00	818.35

Quoted Rates:

a- .....% above

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Superintending Engineer (C)  
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14

BILL OF QUANTITY ( SI.-4)

1	Name of the work	Provision of Catering Space in Ward Block both side from G.F. to 4 <sup>th</sup> Floor & establishment of Demonstration Room on Each Floor except G.F. at IGIMS, Patna.
2	Estimated cost	Rs. 5,57,547-
3	Cost of BOQ	Rs.1250/-
4	Earnest Money Deposited	Rs. 11,200/-
5	Time of Completion	30 days (Thirty)
6	Last date and time of receipt of tender	02.07.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	03.07.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
1	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1002	5.4
2	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 shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead. With cement mortar 1:4(1 cement:4 coarse sand)	Sqm.	60	150.1
3	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	350	76.8
4	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm	1002	26.1
5	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	1002	21.7

6	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level. 1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	1	3881.2
7	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	Sqm	38.28	2959
8	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg.	56.55	74.4
9	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	68.75	100.3
10	Half brick masonry with bricks of class designation 100A in foundations and plinth in Cement mortar 1:4 (1 cement: 4 coarse send).	Sqm.	19.5	490.8
11	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in Cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white coment mortar 1:2(1 shite cement:2 marble dust) with an admixture of pigment to match the marble shade:(To be secured to the backing by means of cramps, which shall be paid for separately)White Marble-Raj Nagar Plain/Udaipur green marble/ Zebra block marble			
11(b)	Area of each slab over upto 0.50 sqm	Sqm	30	2330.7
12	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer - in -charge Granite of any colour and shade	Rmt	30	239.1
13	Painting with synthetic enamel paint of approved brand andmanufacture of required colour to give an even shade:13.94.1 Two or more coats on new work over an undercoat of suitable shade with ordinary pain+ ofapproved brand and manufacture	Sqm	158.25	70.4
14	Providing and fixing GI Clip in Metal Ceiling System of	Sqm	144	1682.6

	<p>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 'T' with : 12.54.1 GI 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 G I 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</p>			
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Signature of Contractors

Superintending Engineer (C)  
 I.G.I.M.S., Patna

## BILL OF QUANTITY ( SI.-5)

1	Name of the work	Wooden Platform Work of Lecture Theater Room in Existing Medical College Building Ground Floor West Side at IGIMS, Patna.
2	Estimated cost	Rs. 1,91,197
3	Cost of BOQ	Rs.500/-
4	Earnest Money Deposited	Rs. 3850/-
5	Time of Completion	15 days (Fifteen)
6	Last date and time of receipt of tender	02.07.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	03.07.2015 at 3.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
	<b>CIVIL WORK</b>			
1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position Sal wood	cum	2.00	74,774.30
2	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving dash fastener, over expansion joints on vertical surfaces/ceiling floors, the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fasteners of 8 mm dia and 75 mm long bolt including providing aluminium washers 2 mm thick & 15 mm dia , at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per direction of Engineer-in-charge. 21.7.1 Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) kg 480.25	kg	80	489.10

	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood)	sqm	100	25.20
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Superintending Engineer (C)  
I.G.I.M.S., Patna