

# ई निविदा दस्तावेज E- TENDER DOCUMENT

## भाग-II

(प्राइस बीड)

## PART-II (PRICE BID)

(Rates to be filled in E-procurement portal)

(रेट्स केवल ई-प्रॉक्यूरमेंट पोर्टल में ही भरा जावे)

क्षेत्रीय कार्यालय गया का फर्नीशिंग एवं इलैक्ट्रिकल कार्य  
FURNISHING AND ELECTRICAL WORK AT  
REGIONAL OFFICE GAYA



क्षेत्रीय कार्यालय गया  
REGIONAL OFFICE GAYA

## PART-II (PRICE BID)

**Rates to be filled in E-procurement portal**

(TO BE SUBMITTED ONLINE ONLY)

### BILL OF QUANTITY

<b>ABSTRACT OF COST</b>		
<b>Civil, Interior Furnishing, Electrical, HVAC &amp; allied work on Proposed Regional Office at 4th floor for Central Bank of India, Gaya, Bihar</b>		
<b>SUMMARY</b>		
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>AMOUNT in Rs</b>
<b>1</b>	<b>FURNISHING WORK</b>	
<b>2</b>	<b>AIR-CONDITIONING WORK</b>	
<b>3</b>	<b>ELECTRICAL</b>	
<b>4</b>	<b>TOTAL AMOUNT</b>	
<b>5</b>	<b>CONTIGENCY @ 5%</b>	
<b>NOTE: GST TO BE PAID EXTRA AS APPLICABLE</b>		

<b>Civil, Interior Furnishing, work on Proposed Regional Office at 4th floor for Central Bank of India, Gaya, Bihar (Part A)</b>					
<b>Sr.No.</b>	<b>DESCRIPTION OF ITEM</b>	<b>UNIT</b>	<b>QUANT ITY</b>	<b>RATE IN (Rs.)</b>	<b>AMOUNT (Rs.)</b>
<b>B</b>	<b>FURNITURE WORK</b>				
	<b>PARTITION /PANELLING</b>				
	Measurement of height shall be taken from finished floor level up to the level of ceiling, in case of varying heights on either side of partition, average height shall considered. The rate include Provision of extra frame work as necessary for skirting and making cut-outs for electrical switch plates, switch boxes, light fittings light etc. making provision for laying conduit as per drawings & directions. All plywood to be applied with 2 coats of fire retardant paint and 1 coat of wood preservative with anti termite compound. Make:Kitply / Green / Century				

<b>1</b>	<b>FULL HEIGHT SOILD PARTITION</b>				
	Providing and Fixing of full height wooden partition including opening and all made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1mm thk. High Gloss Laminate/ Laminate in approved colour, design, shape and size, including all exposed surface with teak lipping 6mm thk as required and instructed by Architect including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/Engg. Make for ply :Kitply / Green / Century Make for laminate :Green / Century	Sqft	640		
	Providing and Fixing of Low height wooden partition including opening and all made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1mm thk. High Gloss Laminate/ Laminate in approved colour, design, shape and size, including all exposed surface with teak lipping 6mm thk as required and instructed by Architect including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/ Engg. Make for ply :Kitply / Green / Century Make for laminate :Green / Century	Sqft	575		
<b>2</b>	<b>TOUGHENED GLASS FIX PARTITION</b>				
	Providing & fixing 12mm toughened fixed glass partition. The glass fixed with S.S channel inserted in floor and fixed to wooden member. The size of glass to be bigger in width. The edges of glass to be polished and if joints are needed the joints to be filed with matching silicon complete.	Sqft	335		
<b>3</b>	<b>WOODEN PANELING</b>				
<b>a</b>	Providing and Fixing of <b>Panelling</b> of wall on hall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 25 x 50 MM with 12 MM thick BWR Ply with 1mm thk. High gloss Laminate/ Laminate in approved colour, design, shape and size, including Anti Termite Treatment. Complete in all respect and satisfaction of Architect/Engg.	Sqft	80		
<b>5</b>	<b>DOORS</b>				
<b>a</b>	Providing and fixing frame less patch fitting Single/Double door for with 12mm thick toughened & etched Glass (As per approved design & name/logo) with frame less glass fittings & two way floor springs . The item includes providing and fixing S.S. handle 400mm long on both side of glass, locks and fittings as per the manufacturer's specifications. complete to the satisfaction of Architect/Bank's Engg	Sqft	63		
<b>7</b>	<b>False Ceiling:-</b> Suspending system and frame work shall match to compliment the layout of A.C. Ducts / grills, electrical / fire protection wiring / fixtures, Return / supply Air grills etc. Rate to include provision of extra frame work needed due to layout referred above and fixtures etc. Rates to include necessary scaffolding.				
<b>a</b>	<b>GYPSUM BOARD FALSE CEILING</b>				
	Providing & fixing Gypsum Board False ceiling with Saint Gobain "ULTRA" Main ceiling sections at 1200 c/c & Cross members at 450 c/c. The grid work to be suspended from ceiling with Hangers at every 1200 c/c both directions, as per manufacturer's specifications. False ceiling is finished with 12.5 mm thk. to be screwed to the frame. The board is finished with filling the tapered edges of the board with jointing compound and finishing with PAPER tape of INDIA GYPSUM. The ceiling is finished with acrylic Emulsion Paint including base as per approved manufacturer. The item includes all necessary cut outs for electrical / air conditioning grills and necessary frame work for them.	Sqft	1210		

	Vertical band of 4" or 6" in above specification	Sqft	456		
<b>b</b>	<b>GYPSUM FIBRE SUSPENDED CEILING (GRID)</b>				
	<p>GYPSUM TILE CEILING :- Providing &amp; Fixing of Saint Gobain Celotex Fine Fissured Mineral Fibre Suspended Ceiling System 15mm exposed GRID. Size-600x600x16mm. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.5, Light Reflectance 83%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0/Class 1 (BS 476 Part 6 &amp; 7), in module size of 600x600 x 16mm with Anti Microbial coating on the face of the tile, suitable for Green Building application, with Recycled content of 39%. The tile shall be laid on Gyproc Suprafine XL 38 with 15MM wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner &amp; 1200 mm Cross Tees with a web height of 38mm and a load carrying capacity of 14Kgs/M2 &amp; minimum pull out strength of 100Kgs. . The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system of Saint Gobain make.</p> <p>INSTALLATION: To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using Saint gobain suspension system (specifications below) at 1200mm maximum centre. The First/Last Saint Gobain suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall.</p> <p>Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600x600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Perimeter trim to be Gyproc wall angles of size 3000x19x19mm, secured to walls at 450 mm maximum centres. Installation to be carried out by Saint gobain Trained Installation team &amp; Installation should be carried out as per Saint Gobain recommended procedure. Saint Gobain suspended system accessories manufactured and supplied by Saint Gobain Industries consisting of M6 Anchor Fasteners with Vertical Hangers made of Galvanised steel of size 26 x 26 x 25 x 1.2mm with a Galvanised Thickness of 80gsm, A pre tightened Hanger wire of dia - 2.5 mm of 1.8 m length., thickness of 80gsm and a tensile strength of 344-413 MPa, along with Adjustable hook clips of 0.8mm thick, galvanised spring steel for 2.68 mm with a minimum pull strength of 110 kg. The adjustable clip also consists of a 3.5 mm aquiline wire to be used with the main runner. (GYPROC "Celotex fine fissured tiles with Gyproc 15mm Exposed" SYSTEM)</p>	Sqft	1324		
<b>c</b>	<b>TRAP DOOR</b>				
	Providing & fixing trap doors or AC units made of 8mm BWR ply fixed to 25x50mm aluminium frame all around. The door such made to be hinged to additional aluminium frame of 25x50mm section fixed in false ceiling frame. The 12mm ply to be finished with 1.0mm laminate of approved colour. Item includes all hardware such as hinges, bolts etc. complete.				
<b>(i)</b>	size 600 x600	Sqft	16		
<b>8</b>	<b>ROLLER BLIND</b> :-Providing & fixing roller blinds comprising of polymer coated fibre fabric with minimum openness factor of 3% as per AS standards. The fabric shall be fire retardant and have high heat reflection ratios. The roller mechanism shall be a moulded unit made from engineering grade plastic polymer with steel spring support. The fabric shall be finished on the sides with edge tape duly welded for waviness control. The fabric shall be attached to the roller tube with high quality self adhesive tape. Average width of blinds shall be 2000mm and fall of 3000mm with manual operation.				
	Headrail: shall be 0.812" high x 2" deep extruded aluminum headrail with a wall thickness of 0.045" and painted to coordinate with fabric color.	Sqft	250		
	Cord lock: shall be a snap-in design of injection-molded thermoplastic incorporating a metal, free-floating, serrated cord-locking roller.				

	Lift cord: shall be 1.2mm polyester and concealed for a clean appearance. A snap tassel and joiner ball connect to a single Danskord for raising and lowering the shade. Cord, tassel and joiner ball are color coordinated with fabric.				
	Installation: Bracket shall be low profile, hidden snap-in design made of 0.025" zinc-plated spring steel.				
	Bottomrail: shall be 0.375" high x 2" deep extruded aluminum with a wall thickness of 0.045" and painted to coordinate with fabric color.				
	Fabrication Shades shall be fabricated according to specifications and accurate to tolerance established by SWF engineering standards				
	Make: Hunter douglas/ Roselle/winfab/vista .				
9	RM TABLE WITH SIDE CREDENZA INCLUDE 12mm THICK GLASS:- Providing and placing in position tables with top, vertical sides/dividers, skirting and modesty panel made out of 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) on all exposed surfaces. It shall also have 75mm x 40mm teak wood runners below the top and for footrest below. Every table shall be provided with a side unit (size – W-900mm, H-750mm, D-500mm approx.), consisting of 150 mm deep drawer at top and a cabinet with open able/hinged shutter below. The facia of drawer and shutter of cabinet below shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick water proof ply. The side unit shall have CAM locks, handles, guides, sliding units, hinges, magnetic catcher's etc. of approved make. Every table shall be provided with a pedestal unit (size – W-550mm, H-720mm, D-450mm approx.) below.				
	The table shall have 100mm deep facia, below the top, in which keyboard drawer unit shall be adjusted. It shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick water proof ply. The unit shall have CAM locks, handles, guides, sliding units etc. of approved make. The job shall include for 6mm x 6mm grooves in between sides and open able drawers and hinged shutters. All the exposed edges of water proof board and ply shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect. Every table top shall be provided with 12 mm thick float glass (as per profile) with polished and beveled (25mm wide) edges all complete to the satisfaction of the Architect. Approx size of table : 2100 x 915 x 750 mm (7.0'x 3.0'x 2.5')	no.	1.00		
10	OFFICER TABLE INCLUDE 12mm THICK GLASS:- Providing and placing in position tables with top, vertical sides/dividers, skirting and modesty panel made out of 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) on all exposed surfaces. It shall also have 75mm x 40mm teak wood runners below the top and for footrest below. The facia of drawer and shutter of cabinet below shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick water proof ply. Every table shall be provided with a pedestal unit (size – W- 465mm, H-720mm, D-450mm approx.) below. The table shall have 100mm deep facia, below the top, in which keyboard drawer unit shall be adjusted. It shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick water proof ply. The unit shall have CAM locks, handles, guides, sliding units etc. of approved make. The job shall include for 6mm x 6mm grooves in between sides and open able drawers and hinged shutters. All the exposed edges of water proof board and ply shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect. Every table top shall be provided with 12 mm thick float glass (as per profile) with polished and beveled (25mm wide) edges all complete to the satisfaction of the Architect.				
a	Size : 1800 x 900 x 750 mm (6.0'x 3.0'x 2.5')	no.	3.00		

<b>b</b>	Size: 1425 x 750 x 750 mm (4.75'x 2.5'x 2.5')	no.	15.00		
<b>11</b>	<b>CONFERENCE ROOM TABLE</b>				
<b>a</b>	Providing and fixing U shape table as per drawing and design.	Nos	1		
<b>12</b>	<b>WORKSTATION</b>				
<b>i</b>	WORKSTATION -LINEAR TYPE as/design				
	Erection in position 'Linear' shape unit as directed Modular workstation comprising of partitions, work surface, gable end. Linear work station will be module of 3/4/6 sittings both side/one side as per layout plan. The end of the linear work station to have partition as specified above. also the linear work station to have 25 mm partion with aluminium supports with fabric /laminate divider in frame (up to partition top).				
	Panel based Partitions :-Vertical partition members made of aluminium extrusion alloy of minimum 60x60 mm size having thickness of min 1.2mm for vertical members and that of 1.00mm thick for horizontal members duly finished with powder coating in desired shade/colour. Both the faces of vertical partition to be fiished with laminate/fabric panels. Top caps of partition shall be slightly curved/flat shape of aluminium alloy duly finished with powder coating in desired shade/colour. Race way should have 150mm and the partition should have the raceways for carrying voice and data wire and power cable, which should be separate from each other in the panel.( <b>power switch should be above table necessary arrangement i.e box and raceway from bottom power socket to top switchs to be provided</b> ). The panel above the work surface should be on tackable board with fabric panels. The height of partition shall be of min. 1200mm. All metal components will be finished with powder coated indesired shalade/colour.150mm high metal skirting.				
	1200mm min. high partition thick panel based systems 1200mm(HT).Base shall be formed as approved powder coating on aluminium & fabric panel. Workstation along corridor / Pasaage.				
	1200mm min. high partition with laminate finish below the worktop, fabric above work top towards Inside and Outside of Workstation in return partition / handshake Only end to end of workstation.	Nos	16		
	Work Top:- Worktop shall be of 19mm thick water proof board with 2mm thick PVC edge banding finish with as per approved laminate color.				
	Work top shall have 2mm PVC edging of approved make quality shade and colour on exposed area and 1mm on covered area.				
	The top shall be supported with suitable M.S. bracket of standard size made of CRCA sheet of minimum 2mm thick Grade D as per IS 513 with power coated finish of approved colour.				
	Powder coating will be in Epoxy powder coating will be minimum 50 micron.				
	Gable Ends shall be of 19mm thick water proof board with 2mm thick PVC edge banding finish with as per approved laminate color.				
	Gable end Bracket will be of minmum 2.0mm thick CRCA steel Grade D as per IS 513 with metal insert				
	Round Wire manager for wire management od dia 60-70mm shall be finished same as per table top.				
	KEY BOARD TREY WITH MOUSE PAD & CPU TROLLEY				
	3 Drawer pedestal with levellers :- Prelaminated 3Drawer Pedestal (2D+1F) 400Lx450Dx685Ht. Carcass & Facia made up of 19mm thick water proof board. Back Panel from 9mm water proof board. All exposed edges are sealed with 2mm thick PVC edgeband & Non-exposed edges with 0.8mm thick PVC edge-band				

13	(SOFA) Providing and Placing sofas of a contemporary design, the basic frame of which is to be made of 1st class hardwood, supports of 19 mm thick marine grade bwp plywood, covered with thick layers of hidensity foam, shaped to the required design, and covered with hi-quality fabric of the basic range of Rs. 300/- per metre. Each sofa seat to be approximately 2'-0" x 2'-0" in size, the overall sofa to be a highly luxurious look and feel, and to be comfortable to sit. 3Seater sofa.	Each	1.00		
14	(SOFA) Providing and Placing sofas of a contemporary design, the basic frame of which is to be made of 1st class hardwood, supports of 19 mm thick marine grade bwp plywood, covered with thick layers of hidensity foam, shaped to the required design, and covered with hi-quality fabric of the basic range of Rs. 300/- per metre. Each sofa seat to be approximately 2'-0" x 2'-0" in size, the overall sofa to be a highly luxurious look and feel, and to be comfortable to sit. 2 Seater sofa.	Each	1.00		
15	Center Table (3'-0"x1'-9") 12 mm glass top with shelf below	Each	1.00		
<b>17</b>	<b>STORAGE</b>				
<b>a</b>	Providing and fixing Low/Full height storage cabinet 450mm deep as/deign as shown in details with all sides, shelves to be 18-19 mm thk. BWR ply with 12mm BWR ply to be fixed at the back. The shutters to be 18-19mm BWR ply, with 1.0 mm laminate. All internal surfaces to have 0.8m laminate. All edges of sides, shelves and shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg. Only front elevation to be considered for area calculation.	Sqft	175		
<b>b</b>	Providing and fixing Show case 450mm deep as/deign as shown in details with all sides, shelves to be 18-19 mm thk. BWR ply with 12mm BWR ply to be fixed at the back with 1.0 mm laminate. The shelves to be 12mm thick glass. All internal surfaces to have 0.8mm laminate. All edges of sides, shelves and shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg.	Sqft	45		
<b>c</b>	Providing and fixing Low/Full height Mild steel storage rack 450mm deep as/deign and complete to the satisfaction of Architect /Bank's Engg. Only front elevation to be considered for area calculation.	Sqft	100		
<b>18</b>	Providing and fixing SS letter/ logo as/deign and complete to the satisfaction of Architect /Bank's Engg. Only height of the letter to be considered for calculation	inch	216		
	<b>Total of Furnishing Work</b>				
<b>1.0</b>	<b>PREAMBLE TO BOQ:</b>				
<b>1.1</b>	<b>Tendered Rates all Inclusive EXCEPT GST:</b>				
<b>1.1.1</b>	Unless otherwise provided in the Bill of Quantities, the rates tendered by the Contractor for all items of the work shall be all inclusive and shall apply to all heights, lifts, leads and depths, in all positions of the building. Please consider Basic rate items mentioned in technical specification/tender documents before quoting the rates from tender documents. The same shall be either payable or recoverable.				
<b>1.1.2</b>	Rates/prices quoted in this tender shall be inclusive of cost of materials, labours, supervision, installation, testing and commissioning, materials erection, tools, plant appliances, scaffolding, sleeves, cutting, patching, excavation and backfilling, painting, storage of material, service connections, transport to site, taxes, duties, transit insurance octroi and levies, all relevant insurance charges, breakage, wastage and all such expenses as may be necessary and required for the satisfactory completion of all the items of the work and final guarantee testing and to put there in working conditions and all other requirements as called for in all the parts of these Tender Documents.				
<b>1.1.3</b>	All rates quoted must be for complete items inclusive of all such accessories, fixtures and fixing arrangements, supports, nuts, bolts, hangers as are a standard part of the particular item except where specially mentioned otherwise.				
<b>1.1.4</b>	All rates quoted are inclusive of cutting holes and chases in walls and making good the same with cement mortar / concrete / water proofing of appropriate mix and strength. Rates are inclusive of holes, sleeves, recesses in the concrete and masonry work as the Work proceeds except foundation work.				
<b>1.1.5</b>	All rates quoted shall include marking of grills/diffusers.				
<b>1.1.6</b>	Nothing extra shall be payable to Contractor on account of any of the above factors.				
<b>1.1.7</b>	The client reserves the right to supply directly any of the items listed in the BOQ. For all such items, if desired by the Owner, installation, testing and commissioning shall be the responsibility of the Contractor.				
<b>1.1.8</b>	Making and closing of all HVAC associated openings in walls shall form part of HVAC works. All quoted prices should be inclusive of this aspect.				

1.1.9	Wooden frame work for mounting grills on walls shall be in the scope of HVAC works and nothing shall be paid extra for this. However, frame work for mounting grills/diffusers on false ceiling shall be provided by other agencies.				
1.1.10	The grills/diffusers shall be measured and charged on actual area basis and 0.1m <sup>2</sup> shall not be accepted as the minimum chargeable area.				
1.1.11	The bidder should quote all imported equipment with price breakup in Foreign exchange and Indian Rupees.				
1.1.12	The bidder should quote as per the equipment/ materials given in BOQ. Any suggested deviations can only be given as an option with proper justification.				
1.1.13	The quoted price shall include all labelling and identification of various equipment/piping as per relevant IS colour coding. In the absence of IS colour coding for any equipment, the labelling and identification shall be carried out as per good practice.				
S.No.	Description	Unit	Qty.	RATE	Amount (Rs.)
	<b>AC UNIT</b>				
1	Supply, installation, testing and commissioning of 1/1.5/2/3 Ton (1200/1800/2400/3600 BTU/hr) Aircooled Mega Hi wall Split/Cassette AC type air conditioner unit complete with inbuilt stabilizer and blower section with motor and drive, DX Copper coil, active carbon filter for remove odour, and LCD remote control type (Condensing unit mounted on wall brackets )or on surface as per site requirement) with extended liquid/vaporub line (different length) pvc condensate drain pipe on proper size run on surface through walls, columns, copper pie power cable etc. inside proper size duct channel (Adamjee-dura), complete with material hardware, fittings, fixture masonary works such as cutting of grooves holes etc. and making the cement good with cement plaster, finish painting complete all as per site condition including 4KVA stabilizer (Microtek) and 3x2.5 copper wiring. <b>Approved make : Mitsubishi Heavy / O-General / Daikin</b>				
a	SPLIT AC UNIT -3 star Non-Inverter ( 1.5 TR) - RH cabin	Nos.	1		
b	SPLIT AC UNIT -3 star Non-Inverter ( 2.0 TR) - Conference Room	Nos.	2		
c	CASSETTE AC UNIT - 3 star Non-Inverter (3.0 TR) - Officer Hall	Nos.	5		
	Supply, Installation, Testing and Commissioning hard copper refrigerant pipes with supports, fitting etc. for Hi-Wall Split units.				
c	1.5 TR	RM	20		
d	2.0 TR	RM	20		
2	3.0 TR	RM	80		
4	<b>Drain Piping</b>				
	Rigid PVC piping complete with fittings, supports as per specifications and insulated with 6 mm thick closed cell elastomeric nitrile rubber insulation.				
a	25 mm dia	Rmt.	55		
5	<b>Control &amp; Transmission Wiring</b>				
	2core 1.5/1.0/0.75 sq.mm flexible control cable with saddles/supports & PVC conduits with hard PVC Pipe to connect Outdoor units with Indoor units	Rmt.	80		
8	Supply & fixing of Outdoor Stand (wall mounted/ceiling mounted) with Vibration Isolator V.I. pad. ISI Mark.				
	1.5 TR	Nos.	1		
	2.0 TR	Nos.	2		
	3.0 TR	Nos.	5		
	SITC of stabilizer (Microtek)				
	1.0 tr / 1.5 tr - 3000 VA	Nos.	1		
	2.0 tn - 3800 VA	Nos.	2		
	SITC of ceiling speaker units 6 watts with power amplifier, 60 watts with output transformer etc. complete. It includes speaker wiring with 1.5 sq.mm. twin core shielded flat typer cable in 20 mm dia. Conduit fixed over walls/ceiling etc complete.	Set	1		
	<b>Total of Air conditioning work</b>				



<b>ELECTRICAL WORK FOR PROPOSED REGIONAL OFFICE AT 4TH FLOOR FOR CENTRAL BANK OF INDIA, GAYA, BIHAR (Part B)</b>						
<b>Electrical Work</b>						
<b>SCHEDULED ITEM ( PART -A.)</b>						
<b>Sl. No.</b>	<b>Ref.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
<b>E : ELECTRICAL WORKS</b>						
<b>S.H. I : WIRING</b>						
1		: Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with modular switch, modular plate, suitable G.I. box etc. as required.				
2		Group C	Point	130.00		
3		: Wiring for twin control light point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, 2 way modular switch, modular plate, suitable G.I. box etc. as required.	Point	2.00		
4		: Wiring for light / power plug with 2 x 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit alongwith 1 no. 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Meter	400.00		
5		: Wiring for circuit / submain wiring alongwith earthwire with the following sizes of PVC insulated copper conductor, single core cable in surface / recessed PVC conduit as required.				
6		2 x 1.5 sq.mm. + 1 x 1.5 sq. mm earth wire	Meter	100.00		
7		2 x 2.5 sq.mm. + 1 x 2.5 sq. mm earth wire	Meter	200.00		
8		2 x 6 sq.mm. + 1 x 6 sq. mm earth wire (LDB)	Meter	350.00		
9		2 x 10 sq.mm. + 1 x 10 sq. mm earth wire(LDB)	Meter	150.00		
10		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of PVC insulated aluminium conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
		4 x 25 sq.mm. + 1x 16 sq. mm earth wire(PDB)	Meter	100.00		
12		: Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid core copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed steel / PVC conduit as required.	Metre	200.00		
13		: Supplying and fixing following modular type switch / socket on the existing modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
14		5/6A switch	Each	39.00		
15		3 pin 5/6 A socket outlet	Each	39.00		
16		6pin 15/16A socket outlet	Each	39.00		
17		15/16A switch	Each	39.00		
18		TV antenna socket outlet	Each	2.00		
19		: Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess as required.				
20		1 or 2 Module ( 78 mm x 78 mm x 45mm)	Each	78.00		
21		: Supplying and fixing blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	78.00		

22		: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, painting etc. as required.( For light plugs to be used in non residential buildings.)	Each	39.00		
23		: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 20/16 amps modular socket outlet and 20/16 amps modular switch, connection, painting etc. as required.	Each	39.00		
		:Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps 'C' series, SP, MCB, in sheet steel inclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc.as required.	Each	2.00		
24		: Supplying and fixing 2 pin, 5 amp. Ceiling rose on the existing junction box / wooden block including connection etc. as required.	Each	20.00		
25		: Supplying and fixing stepped type eletronic fan regulator on existing modular plate switch box including connection etc. as required.	Each	2.00		
26		: Supplying and fixing batten / angle holder including connection etc. as required.	Each	10.00		
27		: Supplying and fixing modular type 25 amp AC unit box with ON/OFF MCB on surface or in recess complete with connections , testing and commissioning etc. as required.	Each	10.00		
28		S/F PVC conduit: Supplying and fixing of following sizes of PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recess conduit as required.				
29		20mm	Metre	140.00		
30		25 mm	Metre	150.00		
<b>TOTAL FOR WIRING =</b>						
<b>S.H. II : FITTINGS &amp; ACCESSORIES</b>						
31		Supplying and fixing recess mounted 12W LED vertical down lighter luminaire complete with all accessories and replaceable electronic driver,directoy on false ceiling including connection with 1.5 sq.mm.FR PVC INSULATED copper conductor cable and earthing the body as required.	Each	35		
32		Supplying and fixing recess mounted 6/7 W LED vertical down lighter luminaire complete with all accessories and replaceable electronic driver,directoy on false ceiling including connection with 1.5 sq.mm.FR PVC INSULATED copper conductor cable and earthing the body as required.	Each	25		
33		Supplying and fixing indoor recess mounted 36 W LED flat panel luminaire suitable for armstrong /grid ceiling ,complete with electronic driver etc. directoy on false ceiling including connection with 1.5 sq.mm.FR PVC INSULATED copper conductor cable and earthing the body as required.	Each	40		
34		Providing and fixing Ding Dong Bell for surface Mounting all inclusive as per specification and direction of E/I.	Each	4		
35		Supply and installation of 400 mm 230 v AC wall /cabin fan including fixing the bracket , making connection, testing , commisioning etc as required.	Each	20		
36		Supply and installation of Regular/Standard model AC ceiling fan of 1200 mm sweep including wiring the down rod of standard length (up to 30 cm ) with 1.5 sq.mm. FR PVC insulated copper conductor etc. as required.	Each	2		
37		Supply and installation of 300 mm 230 v AC exhaust fan in the existing opening including making good the damage , connection , testing, commisioning etc. as required.	Each	5		
38		Supply and Fxing of the followig types lamp in the existing Fitting / Fixture etc. as required.				

39		10/12W L E D LAMP	Each	4		
40		15 W L E D LAMP	Each	4		
41		Supplying and fixing surface mounted 18/22 Watt LED type Batten fitting complete with electronic driver, and LED tube etc. directly on ceiling including connection with 1.5 sq.mm.FR PVC INSULATED copper conductor cable and earthing the body ,all complete as required.	Each	8		
42		Supplying and fixing surface mounted 10/12 Watt LED type Bulkhead fitting comprising of presser die cast housing with acrylic diffuser (IP65) and complete with integrated electronic driver etc, driver, and LED directly on wall/ ceiling including connection with 1.5 sq.mm.FR PVC INSULATED copper conductor cable and earthing the body ,all complete as required.	Each	6		
43		Supplying and fixing surface mounted 15/18 Watt LED down lighter luminaire complete with integrated electronic driver, and LED directly on ceiling including connection with 1.5 sq.mm.FR PVC INSULATED copper conductor cable and earthing the body ,all complete as required.	Each	4		
<b>TOTAL FOR FITTINGS &amp; ACCESSORIES =</b>						
<b>S.H. III : BOARD &amp; D.B.'s</b>						
44		: Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
		4 way (4 + 12), Double door, horizontal type(LDB)	Each	4.00		
		6 way (4 + 18), Double door, horizontal TPN DB.( P DB)	Each	2.00		
45		: Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
		Single pole -6A/10A	Each	52.00		
		Single pole - 16A	Each	6.00		
		Single pole - 20A	Each	8.00		
		Single pole -25A	Each	32.00		
46		S/F TPN MCB: Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, Miniature circuit breaker (MCB), in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
47		40 amps	Each	4.00		
48		63 amps	Each	2.00		
<b>TOTAL FOR BOARDS AND DBS=</b>						
<b>S.H. IV : CABLE ,</b>						
49		Supplying and laying of XLPE /PVC insulated PVC sheathed (Heavy Duty) Armoured Electric Cables with aluminium conductor for working voltage 1100 volts to IS:7098 (Part-1) / IS:1554 (Part-1) as applicable, All complete as per building specification and direction of E/I. 3.5 core 95 sqm	Meter	90.00		
50		95 sq.mm	each	2.00		
		<b>TOTAL CABLE</b>				
<b>S.H. V : PANELS :-</b>						
<b>MAIN PANEL:-</b>						
51		Supplying and fixing wall / floor mounted cubicle panel board fabricated with 16 SWG MS sheet, suitable for panel mounted switch disconnector, including busbar chamber , insulator and Painting etc .as required. (but without busbar copper strip)	sft.	50.00		

52		Providing and fixing 4 pole ON-load/panel mounted Changeover Switch ,IN EXISTING PANEL BOARD ,160 Amp Rating, making connection and earthing the body etc.all complete as per specification and direction of E/I.	Each	1.00		
53		Providing and fixing digital volt meter 3 phase in existing cubicle panel board including drilling holes in panel board ,making connection etc. all complete as required .	Each	1.00		
54		Providing and fixing Indicator Lamp LED type all complete as per specification and direction of E/I.	Each	3.00		
55		Providing and fixing digital ammeter 3 phase with CT coil in existing cubicle panel board including drilling holes in panel board ,making connection etc. all complete as required .	SET	1.00		
56		S/F MCCB in cubicle panel board: Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 25/100 Amp, 16KA	Each	7.00		
57		Supplying and fixing 200 amps. TPN , copper busbar complete with all accessories as required	Each	1.00		
58		S/F MCCB in cubicle panel board: Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.160 Amp, 16KA	Each	1.00		
59		S/F TPN MCB: Supplying and fixing following rating, four pole, (three phase and neutral),415 volts, Miniature circuit breaker (MCB), in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
60		40 amps	Each	1.00		
61		63AMP	Each	1.00		
		<b>TOTAL MAIN PANEL</b>				
<b>S.H. VI : EARTHING WORK</b>						
62		proving and laying earth connection from earth electrode with 4 mm dia copper wire in 15mm dia G.I. Pipe from earth electrode including connection with, copper thimble,excavation and refilling etc ., as required.	Meter	20.00		
63		Supplying and laying 25 mm x5mm G.I strip on surface or, recess for connections etc, as required.	Meter	20.00		
64		Providing chemical/mineral maintenance free earthing system comprising of copper coated earth electrode 3 meter length and 17.2 mm outer dia along with 25 kg earth conductivity enhancing back fill mineral compound for earth electrode to fill up the excavated earth and earth inspection pit etc. as required.	each	2.00		
		<b>TOTAL EARTHING</b>				
<b>S.H. VIII : -TELEPHONE / INTERCOM WIRING</b>						
65		: Supplying and drawing following pair, 0.5 sq. mm FR PVC insulated copper conductor, unarmoured telephone cables in existing surface / recessed steel / PVC conduit as required				
66		4Pair	Metre	200.00		
67		: Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess as required.				
68		2 Module ( 78 mm x 78 mmx45mm)	Each	12.00		
69		: Supplying and fixing following modular type switch / socket on the existing modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
70		Telephone socket outlet	Each	12.00		

71		: Supplying, testing and commissioning of following way/ 50 pair Telephone distribution board, 12 volts, on surface/ recess, complete, with detachable gland plate, phosphatized and powder painted including earthing etc. all complete as per direction of E/I as required.				
72		50 pair	each	1		
73		S/F PVC conduit: Supplying and fixing of following sizes of PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recess conduit as required.				
74		20mm	Metre	150.00		
75		25 mm	Metre	150.00		
<b>TOTAL TELEPHONE / INTERCOM WIRING</b>						
<b>GRAND TOTAL</b>						

<b>UPS WIRING ;SYSTEM IN PROPOSED REGIONAL OFFICE AT 4TH FLOOR FOR CENTRAL BANK OF INDIA, GAYA, BIHAR</b>					
	<b>UPS WIRING</b>	<b>Unit</b>	<b>quantity</b>	<b>Rate (in Rs)</b>	<b>Amount (in Rs.)</b>
	Supplying installation , connection and testing of cubical type ups panel ,made of 16 gauge steel sheet ,dust and vermin proof ,powder coatet paint ,compartilised ,lockable type (2'-X3'), comprising with following :- . 63A TPN MCCB -1 NO ,. 100 TPN BUSBAR -1 NO. OUT GOING 40A TPN MCB 4 NOS.,volt meter-3 PHASE 1 NO , etc. all complete as required.	Each	1		
	: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 2 NOS 3 pin 5/6 amps modular socket outlet and 2 NOS 5/6 amps modular switch, and 1 no. 16A sw. & socket for raw power ,connection, etc. as required. ( For light plugs to be used in non residential buildings.)	each	50		
	: Wiring for circuit / submain wiring alongwith earthwire with the following sizes of PVC insulated copper conductor, singlre core cable in surface / recessed PVC conduit as required.				
	2 x 1.5 sq.mm. + 1 x 1.5 sq. mm earth wire	Meter	350		
	2 x 2.5 sq.mm. + 1 x 2.5 sq. mm earth wire	Meter	350		
	4 x 10 sq.mm. + 1 x 10 sq. mm earth wire	Meter	10.00		
	4 x 6 sq.mm. + 1 x 6 sq. mm earth wire	Meter	60.00		
				<b>TOTAL</b>	
<b>FIRE ALARM SYSTEM</b>					
1	S I T of Smoke Detector	Nos	<b>24</b>		
2	Supplying installation and testing of manual call points	Nos	<b>2</b>		
3	Supplying, installation and testng of Hooter	Nos	<b>1</b>		
4	Supplying , installation and testng of Fire control panel 8 Zone	Nos	<b>1</b>		
5	Providing & lying of 2 x 1.5 sq mm wire for Hooter, manual call point, smoke detector and panel.	Mtr	<b>300</b>		
6	Supply, installation and fixing of ABC type fire extinguishers of 04Kg capacity ISI marked	Nos	<b>5</b>		
				<b>TOTAL</b>	

<b>COMPUTER NETWORK WIRING, SYSTEM IN PROPOSED REGIONAL OFFICE AT 4TH FLOOR FOR CENTRAL BANK OF INDIA, GAYA, BIHAR</b>					
	<b>Item of work</b>	<b>Unit</b>	<b>quantity</b>	<b>Rate (in</b>	<b>Amount (in Rs.)</b>

				Rs)	
	<b>COMPUTER NETWORK</b>				
	Supplying and drawing 4 pair CAT-6 PVC insulated and sheathed LAN cable through existng PVC conduit/casing capping including connection, testing etc. as required.	MTR	1000		
	S/F PVC conduit: Supplying and fixing of following sizes of PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recess conduit as required.				
	25mm	Metre	300.00		
	Supplying , fixing & connection of RJ 45 computer socket Cat-6 on the modular plate & box including making connection, soldering etc. as required.	Each	50		
	Supplying , fixing & connection of U/UTP RJ 45 Pach Cord 2 meter PVC factory made blue in colour.(make:- D LINK, orthonics,,panduit-paneet) etc.as required.	Each	50		
	Supplying , fixing & connection of CAT-6 U/UTP RJ 45 Pach Cord 1 meter PVC factory made blue in colour.(make:-D LINK ,orthonics,,panduit-paneet)etc. as required.	Each	40		
	Supplying fitting , fixing and connection of Ethernet managed Switch Without fiber module along with AC power supply 24x10/100 /1000 Base T LAN switch including necessary connection of CAT 6 UTP cable, as required.(Make:- Morteak,HP/Dlink/netgear)	Each	0		
	Supplying fitting , fixing and connection of Ethernet Un managed Switch Without fiber module along with AC power supply 24x10/100 /1000 Base T LAN switch including necessary connection of CAT 6 UTP cable, as required.(Make:- Morteak,HP/Dlink/netgear)	Each	0		
	Supplying fitting and fixing of CAT-6 U/UTP 24 Port 19" modular type Patch panel loaded with 24xToolless RJ 45 which is 6 in a block complete with all accessories , as required.(D LINK,Ortronics, Panduit -Pannet)	Each	2		
	Supplying , fitting and fixing and connection of 15U Networking Rack , CRCA 'D' Grade thickness(mm)-1.2,RAL 9017 (Matt Black),Glass 4 mm Toughened Tinted Glass Door, .;Accessories:-Colling Fan(230v a/c 90 CFM)-2 NOS., PDU 230V AC-2 No ,Cable Manager Metal- 2 Nos., ,mounting Hardware (20 sets of M6 screw, washer, cage nuts(nikel coated)-1 no. , Wall Screws (4sets of 2" scews,washer, rubbur grommet (nikel coated ) - 1 no., Door Lock -1 no., Front Metal Band -1 no., In the rack there must be maintained 1U =1.75 inches space all complete as required. (make :-Com rack,. Rittal, Ortronics)	Each	1		
		<b>TOTAL</b>			

**ABSTRACT****SUB: FURNISHING AND ELECTRICAL WORK AT REGIONAL OFFICE GAYA**

Sr. no.	Particulars	Amount
1	Furnishing work (Part-A)	<b><i>To be filled in E-procurement portal only</i></b>
2	Electrical and allied work work (Part-B)	
3	Total (1+2)	
4	Discount if any	
5	<b>TOTAL (3 - 4)</b>	

*\*The Prices quoted must be inclusive of all taxes, duties labour, transporation etc. except **GST**. GST will be reimbursed as applicable.*

**Seal & Signature  
of Firm,**