

TENDER & SPECIFICATION FOR PROPOSED INTERIOR ELECTRICAL & AIR-
CONDITIONING WORKS FOR BANK OF BARODA JAYENDRA GANJ BRANCH AT
GWALIOR.

ABSTRACT SHEET FOR PROPOSED INTERIOR, ELECTRICAL & AIR-CONDITIONING WORKS FOR BANK OF BARODA JAYENDRA GANJ BRANCH AT GWALIOR.		
S.NO	ITEM	AMOUNT
1	TOTAL FOR INTERIOR WORKS	
2	TOTAL FOR FURNITURE WORK	
3	TOTAL FOR CIVIL WORK	
4	TOTAL FOR ELECTRICAL WORKS	
5	TOTAL FOR COMPUTER NETWORKING	
6	TOTAL FOR ELECTRICAL FITTINGS & FIXTURES	
7	TOTAL FOR AIR CONDITIONING	
	GRAND TOTAL	

TENDER & SPECIFICATION FOR PROPOSED INTERIOR ELECTRICAL & AIR-CONDITIONING WORKS FOR BANK OF BARODA JAYENDRA GANJ BRANCH AT GWALIOR.					
S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
A	INTERIOR WORKS				
1	HALF HT. PARTITION				
	Providing & fixing at site low height partition (4' 6" height) to be made with 19 mm. ply box frame or 2 ¼"x 2 ¼" salwood / hardwood sections, to be finished with 8.0 mm. ply & 1.0 mm. approved shade of laminated finish. The partition shall have 10mm. thick float glass with top corners chamfered and fixed with 1½" x 1" wenge wood beading finished with 3 coats of melamine polish. The partition shall have 3" wide skirting finished with 1.0 mm. thick laminate. The cost of partition should be inclusive of all materials, labor etc complete.	20.00	sqm		
2	WICKET GATE				
	Providing and fixing at site wicket gate of 32mm thick solid flush door section ISI marked finished & laminated on both faces with 1.0 mm laminate of approved colour.the door, All exposed to have steam beech wooden beadings, to be finished with matching colour melamine polish. The cost of the gate shall include, material, ss hinges, door stopper, handels, labour etc. complete.	2.50	sqm		
3	FULL HEIGHT PARTITION PARTLY GLAZED				
	Providing and fixing at site Partly glazed wooden partition with 2" x 2" pine wood/ hard wood section to be fixed as a frame to the partition placed at 2' x 3' c/c, the frame is to be sandwich with 6.0mm commercial ply from both the sides and to be finised with approved shade of 1.0mm laminated finish, the middle portion of the parititon to have larger openings (as per the drawing) with 8.0mm glass with approved itching pattern. All the exposed edges to be finished with steam wood beadings properly polished to match the existing shade of laminates. The cost of partition shall include all labour, materilas, etc complete.	43.00	sqm		
4	SOLID FULL HT. PARTITION WITH DOOR				
	Providng and fixing at site Full height partition to be made up of 19.0mm BWP ply 3 nos as frame, with 8.0mm commercial ply on both sides, the internal side of the partition to have 1.0mm thick laminated finish, whereas external area to be finished with 3.0mm ACP sheet to be fixed over the wooden ply partition with approved adhesive, the partition shall include 32.0mm thick flush door including all accessories, and finished same as wooden partition, the cost shall include all accessories, fittings etc complete.	20	SQM		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
5	DOOR FOR SEMI GLASS PARTITIONS Providing & fixing at site 35 mm thick flush doors shutters of approved make to be laminated on both faces with 1.0 mm thick laminate of approved colour & make with 35 x 5mm steam beach wood beading on edges of door. The door is to be fixed to main frame made with 4" heavy duty brass hinges The glass portion is 8 mm. thick float glass with itching.All edges of the door shall have steam beech wooden beading propoerly polished to match the existing laminated finish. door closer, mortice locks, door stoppers, handles all accessories, labour etc. complete.	10.00	sqm		
6	MAIN ENTRANCE DOOR WITH 12.0MM TOUGHNED GLASS & Patch Fittings Providing, making and fixing Thoughend Glass Door:- 12mm thk single/double shutter toughened glass doors, Including Floor springs make Hardwvn/ozone/Dorma or equivalent set, Upper patch, lower patch, lock key plate, provision of locking system, etc. One set of 25 mm dia S. S. brush finish pull handles (approx. 300mm length) "C" shaped, of appoved make Including Etching pattern, Note-Including, labour, transport, material, delivered and placed in position at site of work.	2.60	sqm		
7	12 mm Toughned FIXED GLAZING Providing, making and fixing Toughened Glass :- a. 12mm thick toughened clear float glass b. Fixed with " D " brackets/ SS fittings as required. c. Etching film to be done as directed Note-The cost to include all materials, labour, hardware etc.,	4.00	SQM		
8	ITCHING FILM Providing and fixing at site approved design & pattern of etching film to be 3m 7725--325 Pressure sensitive film for permanent graphic fixed at site over the glazed area as per the given design & drawing including all materials, wastage etc complete.	20.00	Sqm		
9	STORAGE Providing and fixing at site Half /FULL height storage cabinet fully covered from all sides and 16" deep including necessary shelves as per the design and specifications with openable shutters made up of 19mm BWP ply, The rear portion is to be closed with 8.0mm ply , the top shall have 19-25mm Lakha Red Granite single piece stone with front beveled edge. Front of the cabinet is to be finished with 1.0mm thick laminate with approved pattern with different colour laminated finish of approved shade & colour with Proper Steam Beachmoulding, beadings, and different colour laminate as per pattern in shutters and in skirting strictly as per the design, pattern, including all necessary fittings, such as locks,handles. The inside portion is to be properly painted with one coat of wooden primer and two coats of Luster finished synthetic enamel. The cost shall include all materials, labour, accessories etc complete.	20	Sqm		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
10	FALSE CEILING				
A	GYPSUM CEILING				
	Providing and fixing gypsum false ceiling in 12.5mm thick Gypboard (POP) plain false ceiling with GI suspended from RCC slab/ Beam as approved by Bank/ Architect including G.I. Parameter Channels of size 0.55 mm thick having one flange of 20mm and another flange of 30mm and web of 27mm along with parameter of ceiling, screw fixed, to the brick wall/ partition with the help of nylon sleeves and screws at 600mm C/C.	60.0	SQM		
	The suspended G.I. Intermediate channels of size 45 x 0.9 mm thick with two flanges of 15mm each from the soffit at 1200mm C/C with GI cleats and steel expansion fasteners. Ceiling sections of 0.55mm thick having web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to intermediate channel with help of connecting clips and in direction perpendicular to intermediate channel at 457 mm C/C. 12.5mm Tapered edge Gypboard channel at 457mm C/C in both the directions screwed fixed to the ceiling section with 25mm dry wall screws at 230mm C/C screw, fixing is done				
	mechanically with drilling machine and suitable attachment. Finally the boards are to be jointed and finished with jointing compound, paper tape and two coats of top Coat, suitable for Gypboard (As recommended practice of India Gyp.) For light fittings incutouts etc are to be made with a frame of parameter channels of size 20 x 27 x 30 x 0.5mm thick supported suitably. Angle beads, edge bends, control joints as required to be provided. The quoted rates to include all the above items, ceiling to be painted with minimum two coats of plastic emulsion paint including base preparation. etc. complete.				
b	ARM STRONG CEILING				
	Providing and fixing of false ceiling at all heights of 600mmx600mmx12mm armstrong mineral fiber ceiling tiles of type IBIZA RH-90 laid on armstrong prelude XL exposed grid systems with 9mm wide T Section flanges colour white. The frame work comprise of main runner spaced at 1200mm centers securely fixed to the structural soffit approved hangers at 1200mm maximum centers. Hangers (GI wire) to	80.0	SQM		
	be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450mm from the adjacent wall. flush fitting 1200mm along cross tees (with double stitching) to be interlocked between main runners at 600mm c/ c to form 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently. 600mmx600mm modules to be formed by fittings 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Perimeter trim to be armstrong wall angle secured to walls at 450mm maximum centers.				

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
11	<u>COLUMN/ WALL PANELING</u>				
	Providing and fixing at site column paneling with IInd class steam beach wood 2" x 1.25" battens to be fixed over column as per the requirement to be finished with 9.0mm BWP Grade ply finished with Mettalic colour laminated finished with given design. The cost shall include all materials, labour etc complete.	45.00	SQM		
12	<u>WRITING DESK</u>				
	Providing & fixing at site writing desk of size 900 x 450 x 1200 mm size made up of 12.0mm clear glass polished on exposed edges with lower shelf for keeping vouchers & above soft board for product catalogs to be hanged at the site with help of Stainless steel brackets, below writing desk making an wastage drop box with open able shutter, above shutter making an whole in front side of the writing desk, the cost shall include all materials, fixing at site etc complete.	1.00	NOS.		
13	<u>NOTICE BOARD</u>				
	Providing & fixing at site notice board of size 3' x 2' to be made up of Steam Beach wood frame of size 2" x1" wooden section with 5.0mm plain glass The Notice board shall have 19.0mm soft board lining at back with approved shade of cloth, and lockable shutter strictly as per the design & drawing etc complete.	1.00	NOS.		
14	<u>DROP & COMPLAINT BOX</u>				
	Providing & fixing at site drop & complaint box of size 1' x 1'3" to be made up of Ist class Steam Beach frame of size 1" x1" wooden section in front 6.0mm plain glass The boxes shall have 12.0mm ply with approved shade of laminate, and lockable shutter strictly as per the design & drawing etc complete.	2.00	NOS.		
15	<u>DOOR CLOSERS</u>				
	Providing & Fixing Hydraulic Door Closers to Door Shutter with Frames using necessary Screws, Nuts & Bolts etc. complete.	6.00	NOS		
16	<u>VERTICAL BLINDS</u>				
	Providing and fixing at site vertical blinds 4" wide vertical blinds Vista make only with extruded powder coated head rail housing control units, spacers, runners, tilt rod with reduction gear mechanism, tilt control for rotation for rotation of 180 degree louvers made of approved fabric/ color scotch guard coating & bottom mechanism of powder coated galvanized steel with required components. Shades & colors shall be decided as per architect.	5	Sqm		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
17	ALUMINIUM CLADDING FRONT SHUTTER BOXING & sides				
	Providing & Fixing at site 3.0mm thick Aluminum External cladding to be fixed at the site over Aluminum tubular pipes placed between 600 x 750mm in both the directions with two colours, as per the design, all the joints shall be filled by exterior grade of Silicon sealant, the cost shall include all materials, labour etc complete	15	Sqm		
18	Sofa set :				
	Providing, making and fixing in position sofa set with side arms made for best quality badam/hillock wood framework and legs fitted with rubber nylon shoes fixing with 8mm thick commercial ply back side. Providing 150 mm thick high density (min 40) foam rubber of approved quality to seat of zigzag spring of approved quality over 12 mm thick phenol formaldehyde bonded approved quality commercial ply and 50 mm thick foam rubber of approved quality, density mini. 32 to back covered with upholstery of rate not less than Rs. 450/- per mt. finish of approved quality materials including polish finish complete of approved quality and make selected by the Engineer in Incharge. Rate inclusive of cost of material, transportation, loading/unloading, labour tools & tackles up to any lead and lift etc.Measurement : no. of seats	3	NOS		
	TOTAL AMOUNT FOR INTERIOR WORKS				
b.	FURNITURE WORK'S				
19	B.M. TABLE + SIDE CREDENZA with 0.8mm laminated finish on internal surfaces.				
	Providing & fixing at site Branch Manager Table of size 6' 0" x 2'6"x 2' 6" with side credenza of size 3'3"x 1' 6"x2' 6" to be made up of 19.0 mm. ply finished with 1.0 mm. thick Laminate finished. The front of table shall have 3" strips of laminate standerd shades laminated bands as per the given design & drawing. The table top shall have 10 mm. glass top. The lower storage pedestal shall have 2 nos. sliding drawers & one openable shelves. The computer keyboard & drawers shall have heavy duty telescopic slide rails. Provision are to be made for cpu tray & foot rest. Inner surface of the table to have 0.8mm thick plain laminated finish. The side credenza shall have front 12.0mm sliding shutters to be fixed in EBCO sliding rails, with locking arrangement The cost shall include all accessories etc complete.	1	Nos		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
20	OFFICER TABLE + SIDE CREDENZA with 0.8mm laminated finish on internal surfaces				
	Providing & fixing at site Officer Table of size 4'6"0"x2'3"x 2' 6" with side credenza of size 3'0"x 1' 4"x2' 6" to be made up of 19.0 mm. ply finished with 1.0 mm. thick finished laminate. The front of table shall have 3" strips of laminate standerd shades laminated bands as per the given design & drawing. The lower storage pedestal shall have 2 nos. sliding drawers & one openable shelves. The computer keyboard & drawers shall have heavy duty telescopic slide rails. Provision are to be made for cpu tray & foot rest. Inner surface of the table to have 0.8mm thick laminated finish The side credenza shall have front 12.0mm sliding shutters to be fixed in EBCO sliding rails, with locking arrangement The cost shall include all accessories etc complete.	7	Nos		
21	CLK TABLE with 0.8mm laminated finish on internal surfaces				
	Providing & fixing at site Officer Table of size 4' 0"x2'3"x 2' 6" to be made up of 19.0 mm. ply finished with 1.0 mm. thick finished laminate. The front of table shall have 3" strips of laminate standerd shades laminated bands as per the given design & drawing. The lower storage pedestal shall have 2 nos. sliding drawers & one openable shelves. The computer keyboard & drawers shall have heavy duty telescopic slide rails. Provision are to be made for cpu tray & foot rest. Inner surface of the table to have 0.8mm thick laminated finish The cost shall include all accessories etc complete.	2	Nos		
22	CASH + HEAD CASH COUNTER with 0.8mm laminated finish on internal surfaces				
	Providing & fixing at site bulk cash counter strictly as per the given design & drawing to be made up with 18 mm. BWP ply with working top 2' 6" wide & customer top 15" wide of size 4' 5" x 2' 6" x 4' 9" height with sliding key board of EBCO Make. The counter shall have three drawewr unit below the table top & one drawer is divided 4 to 6 block for note with heavy duty telescopic rail & locking arrangmenet with godrej locks, All the exposed portions to be finished 1.0mm laminate with necessary wooden beadings melamine polished, and all the inside surfaces of the counter shall have 0.8mm thick plain white colour laminated finish. The cost shall include all labour, materials, etc complete.	2.60	RM		
23	Providing and fixing at site 12.0mm front glass with round edging in the exposed area as per the given design with cash hole. To be fixed in front of font counter with help of Brass D- Brackets, including Etching pattern all labour, materials, etc complete.	4.0	SQM		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
24	SWO COUNTER / OFFICER COUNTER with 0.8mm laminated finish on internal surfaces				
	Providing & fixing at site SWO counter strictly as per the given design & drawing to be made up with 18 mm. BWP ply with working top 2' 6" wide with EBCO Make sliding key board on telescopic rails. The counter shall have 18" x 24" deep three drawer cabinet with telescopic rails and locking arrangement All the exposed portions to be finished 1.0 mm laminates with necessary wooden beadings melamine polished, and all the inside surfaces of the counter shall have 0.8mm thick plain white colour laminated finish. The cost shall include all labour, materials, etc complete.	1.2	RM		
	TOTAL FOR FURNITURE WORK				
CIVIL WORKS					
25	POP PUNNING				
	Scraping of old paint/ distemper from the existing walls, and roofs applying of 4.0 to 8.0 mm thick POP punning over it to give a smooth leveled finish, the final coat of punning to have one coat of oil based Cement primer the cost shall include all labour , materials, etc complete.	60.00	sqm		
26	ACRYLIC EMULSION (ROYALE)				
	Applying one coat of cement premier and applying two or more coats of Acrylic emulsion (royale/ velvvet touch) over the finished suyrface to be applied over the punning area including one coat of Putty properly sand papered to give a neat smooth & silky finish, the cost shall include all materials, labour etc complete.	60.0	sqm		
27	OIL BOND DISTEMPER				
	Two ore more coats of Acrylic oil bond distemper with brush over the existing wall surfaces, after scrapping the existing finish, applying one coat of cement premier and one coat of putty to repair the wall as per the sitecondition including all materials, labour etc complete.	190.0	sqm		
28	SYNTHETIC ENAMEL PAINT				
	Two coats of approved shade synthetic enamel including one base coat of steel/ wooden primer over the existing wooden/ steel surfaces, with brush after cleaning & scrapping by wire brushing.	95	SQM		
	TOTAL FOR CIVIL WORKS				

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL WORKS				
1	SUBHEAD I (POINT WIRING)				
	The rates for the point wiring shall include providing and fixing of following:				
a.	Wiring of the point of any length from distribution board to point outlet excluding circuit wiring				
b.	Earthing of all switch box and all outlet boxes fitting, fans, 3rd pin of plug with 1.50mm copper wire.				
c.	Modular Switch/ Sockets of Standard make with necessary modular series cover plate and MS Boxes				
d.	Embedding all conduits in walls laying in slabs, above false ceiling or in floors including all accessories as required, cutting and refilling the chases with cement mortar.				
e	Providing, fixing Modular switches, sockets, M.S. boxes (1.6mm thick) draw boxes, G.I. Pull wires (where required), brass screws, ceiling rose/connector etc.				
f	Adopting separate and independent system of wiring for lighting, power (normal and essential supply). Wiring for following points using PVC insulated copper conductor wires of 650V/1100V grade in 16 SWG M.S. conduit stove enameled concealed/ exposed including switches & sockets as above.				
g	Circuit wiring for Lighting circuit with 2 x 2.5 + 1 x 1.5 sq mm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed (average length of circuit taken as. (12-15) M				
	INTERNAL WIRING				
1	POINT WIRING :				
	Providing wiring (supply, fixing, testing and comm. etc) for light point / Exhaust fan point / Call bell point etc with 1.5 sq mm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit with conduit accessories like bend , junction box etc in concealed/surface manner as per site requirement with suitable Modular Switches with plate and metal / PVC box, ceiling rose , bulb holder etc including 1.5 sqmm PVC insulated copper earth wire etc complete as required. Wire colors : Red, Black, Green .				
a.	Providing and fixing one light point controlled by one switch.	62	Nos.		
b.	Providing and fixing two light point controlled by one switch.	10	Nos.		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
c	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	1.00	Nos.		
d	Ceiling fan point with one nos 6 amp switch and 2 module electronic regulator including wiring & ceiling rose	2.00	Nos		
2	6 AMP. POINTS ON SAME BOARD :				
	Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate , sheet steel box / PVC modular box etc on surface / concealed manner l/c electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	15	Nos.		
3	16 AMP. POWER POINTS:				
	Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No. six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate , sheet steel box etc on surface / concealed manner l/c electrical wiring with 2 X 2.5 sqmm + 1 X 1.5 sqmm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	16	Nos.		
4	AC POINTS :				
	Supply, Installation, Testing and commissioning of the surface / recess mounting distribution board with 20 A plug and socket, with 20 A SP MCB Incl. wiring with 2 X 4.0 sq mm + 1 X 2.5 sqmm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.				
	Single phase 25 Amp Point	5	NOS		
	three phase 32 Amp Point	2	NOS		
	PANELS AND D.B.'s				
1	MAIN PANEL :				
	Supplying, fixing in position, testing and commissioning of following type Loadline DB comprising of				

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
	INCOMER				
	1 Nos – 80 Amp MCCB				
	OUTGOINGS				
	2 Nos- 40 Amp MCB				
	1Nos- 63. Amp MCB				
	1 Nos 20 Amp DPMCB (Glow sign)				
	SET AS ABOVE	1	Nos		
2	LIGHT DISTRIBUTION BOARD				
	Supply, Installation, Testing and commissioning of the surface / recess mounting following way MCB three phase distribution board for single phase outgoing with IP 42 protection , direct on wall incl. the followings accessories				
	INCOMER				
	1 No. TPMCB 40 Amp				
	OUTGOINGS				
	8-10 Nos SPMCB 6-10 Amp				
	SET AS ABOVE	1	Nos		
	incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
3	AC DISTRIBUTION BOARD				
	Supply, Installation, Testing and commissioning of the surface / recess mounting following way MCB three phase distribution board for single phase outgoing with IP 42 protection , direct on wall incl. the followings accessories				
	INCOMER				
	1 No. TPMCB 63 Amp				
	OUTGOINGS				
	7 Nos SPMCB 32 Amp				
	SET AS ABOVE	1	Nos		
	incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
	SUBHEAD IV : UPS WIRING				
1	U.P.S. DISTRIBUTION BOARD (INCOMER)				
	Supply, Installation, Testing and commissioning of the surface / recess mounting following way Double door MCB D.B.- Single phase distribution board (Consumer unit) for single phase out going with IP 42 protection incl. the followings accessories – incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
a.	INCOMER				
	1 NOS 40 A TPMCB				
	OUTGOINGS				
	2 Nos- 40 Amp SPN				
	SET AS ABOVE	1	Nos		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
b	UPS DIST. BOARD OUTGOINGS.				
	1 NOS 12 WAY SPN DIST BOARD				
	1 Nos- 40 Amp SPN				
	6-8 NOS 6 AMP SPMCB				
	SET AS ABOVE	1	Nos		
2	SPECIAL POINTS: (UPS) any length				
	Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate , sheet steel box etc on surface / concealed manner l/c electrical wiring with 2 X 2.5 sq mm + 1 X 1.5 sq mm PVC insulated copper conductor single core multi stranded wire in rigid 16 swg stove enameled rigid steel conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.				
	2 Nos. 6 A Switch + 3 Nos. 6 A, 5 pin Socket.	17	Nos.		
3	EARTHING				
	Preparation of the Earth station : (as per I.S. 3043)				
	a). Excavation of rocky earth,soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm deep.				
	b). S/F of Copper plate of size 600 X 600 X 3.00 mm				
	c). Supply & fixing 25 mm X 5 mm , 3 mtrs copper strip from copper plate to earth terminal including brazing/welding at plate etc.				
	d). Supplying and laying in position 15 mm,2 mtrs G.I. Glass perforated pipe for watering.				
	e). S/F of one set of reducer / funnel with mesh .				
	f). S/F of the following in the earth station.				
	i). 75 Kg. Charcoal.				
	ii). 50 Kg. Original Salt.				
	g). Construction of earth pit chamber incl necessary brick work, concrete , plastering, S/F of C.I. cover of size 12" X 12" complete as per site requirement with watering arrangement etc complete..	2	Nos.		
4	Supplying and laying 25 X 3 mm copper strip direct on wall/ in ground with screws and washer including soldering / welding etc if required..	10	M		

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
5	Supply and laying of 6.0 sqmm PVC insulated copper wire from earth station to main panel board in 16 G MS conduit including all materials, accessories etc complete.	25	Mtrs.		
	CABLING :				
1	L.T.CABLES :				
	Supply,laying ,testing and commissioning of the following 1100 volt grade pvc insulated Al / Cu. Conductor armored cable inner and outer sheathed , along with the two run of G.I.earth wire i/c termination with brass gland and Al. lugs etc. complete as required.				
A	On surface :				
	S/Fixing the cable on wall / column / beam / ceiling / above false ceiling / existing trench etc incl. s/f of of saddles / spacers (wherever required as per site conditions) and two run of G.I. earth wire along with the cable. Making good all the damages				
a	4 C x 10.0 sqmm armored copper cable with 10 SWG 2 Nos G.I. wire for ups room	25	M		
b	3.5 C x 75.0 sqmm armored Aluminium cable with 10 SWG 2 Nos G.I. wire for pole to main board	30	M		
	TELEPHONE WIRING / CABLING SYSTEM.				
	TELEPHONE POINT :				
1	Supplying, Installation, testing and commissioning of the telephone point with the followings -				
a.	Two pair, 0.61 mm dia. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, color coded twisted pairs and rip cord.				
b	HMS Pvc pipe on beam /column / wall / / floor etc with all necessary materials i/c connections, identification by numbering etc complete as required as per I.T.D. specification.				
c.	Single outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size M.S./ PVC modular boxes complete as required .	8	Nos.		
	Supplying and fixing of krone telephone tag block, suitable for the multi core telephone cable and shall accommodate tin-plated phosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and shall be terminate both incoming and out going lines, the tag blocks shall be mounted inside, fabricated 14 swg G.I. box of suitable size with removable hinged covers and locking arrangement and shall be fully accessible. The item is inclusive of providing and fixing of G.I.boxes in surface / recessed system etc as required complete.				
	10 pair tag block	1	Nos.		
	TOTAL FOR ELECTRICAL WORKS				

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
	COMPUTER CABLING SYSTEM.				
	COMPUTER POINT : I / O's :				
1	Supplying, Installation, testing and commissioning of the Computer point with the followings -				
a.	Four pair STP CAT 6 LAN cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, color coded twisted pairs and rip cord.				
b	HMS Pvc Pipe on beam /column / wall / floor etc with all necessary materials i/c connections, identification by numbering etc complete as required as per At & T specification.				
c.	Single outlet with shutter modular type I / O's Outlets (RJ – 45) with suitable size M.S./ PVC modular boxes complete as required	14	Nos.		
2	Supply and Installation of following factory fabricated patch cords (STP-CAT 6) complete with connectors and boots on both sides.				
a.	One Meter length	14	Nos.		
b	Two Meter length	14	Nos.		
3	Supply and laying of Four Pair STP CAT 6 LAN cables including cost of 25mm dia 1.5mm thick PVC Conduit / Floor trunking.	400	Mtrs.		
4	Providing & fixing of 24/48 port Lan Switch including 9U rack, patch cords to new place including commissioning testing etc complete.	1	Job		
5	Testing of STP cabling with scanner for all the Nodes.	1	Nos		
	TOTAL FOR COMPUTER NETWORKING				

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL FITTINGS				
	SUBHEAD III : ELECTRICAL FITTINGS				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty).				
1	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by /Architect.	21	Nos.		
2	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by /Architect.	23	Nos.		
3	Supplying, fixing, testing and commissioning of 15 W LED commercial type surface down lighter of make As specified in tender document or approved by /Architect.	5	Nos.		
4	1X20w T-5 led fitting with electronic choke make philips, crompton, SYSKA, Wipro or EQ or equivalent make.	8	Nos.		
5	BRACKET FAN				
	Supply and fixing of the following fans Wall bracket fan white (400mm blade size) crompton, Bajaj, wipro or equivalent make.	17	Nos.		
6	Supply and fixing of the 300 mm (900 RPM) sweep exhaust fan , Including making hole in the wall for fixing , and making good the civil damages etc as required. Crompton , Almonard	2	Nos		
7	Supply and fixing of the following ceiling fans double Ball bearing without regulator. (Brilliant white)				
	1200mm sweep	2	Nos.		
	(Make: Crompton Greaves/Usha/Almonard/Khaitan.				
	TOTAL FOR ELECTRICAL FIXTURES				

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
	AIR-CONDITIONING WORK				
1	2.0 T SPLIT A.C. Three star rating				
	Supply & installation of 2.0 T Split AC Three star rating with one Condensing and one cooling unit to be fixed at site including refrigerant piping, (approx length 5.0M), micro processor based remote control unit all materials, fixing of drain pipe labour etc complete. Make voltas, carrier, daikin	3	Nos.		
2	1.5 T SPLIT A.C. Three star rating				
	Supply & installation of 1.5 T Split AC Three star rating with one Condensing and one cooling unit to be fixed at site including refrigerant piping, (approx length 5.0M), micro processor based remote control unit all materials, fixing of drain pipe labour etc complete. Make voltas, carrier, daikin	1	Nos.		
3	3.0 T cassatte A.C. Three star rating				
	Supply, installation, testing and commissioning of Higher Efficient models of CASSETTE TYPE AIR CONDITIONERS(Three) 3.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 415 Volts + 10 %, three Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 5 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The rates inclusive of all repairs of civil and carpentry work The out door unit should be anti-rust powder coated. The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only	1.00	NOS		

TENDER & SPECIFICATION FOR PROPOSED INTERIOR ELECTRICAL & AIR-CONDITIONING WORKS FOR BANK OF BARODA JAYENDRA GANJ BRANCH AT GWALIOR.

S.NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
4	M.S. BRACKETS				
	Fixing of MS Bracket and MS Stand/ grill for external condensing units to be fixed outside the premises above shutter height including two coats of primer and paint all materials, contingencies for AC's as above, strictly as per the site condition etc complete	4.00	Nos		
5	EXTRA REFRIGERANT PIPING				
a	S.I.T.C. of 19 mm dia & 16 mm dia Copper Refrigerant Pipes with Foam insulation between Indoor & Outdoor units.with breaking of wall wherever required for 3/4Tr Cassette/ Inverter Air conditioners.	15	Mtr.		
b	S.I.T.C. of 12.5 sq.mm. & 6.25 Sq.mm. dia. Copper refrigerant pipe with foam Insulation between Indoor & Outdoor units with breaking of wall for making hole wherever required For Split Air- Conditioners.	60	Mtr.		
6	Control Cable - Supply & laying, testing & commissioning of following sizes of copper conductor control cables on existing tray including fixing clamps & proper connections to equipment etc complete as required.				
	4 Cx 1.5 Sqmm	15.00	Mtr.		
	4Cx2.5 sqmm	65.00	Mtr.		
7	Providing and fixing at site 5 KVA voltage stabilizer ISI market including installation for AC, etc complete	4.00	Nos		
	TOTAL FOR AIR CONDITIONING				