

BOQ OF PROPOSED INTERIOR, FURNISHING, ELECTRICAL & AC WORK OF NEW BRANCH PREMISES
KATHIWADA -RBO Dhar, M.P.

S.No.	Description of Item	Qty	Unit	Rate	Amount
A	Part A : Interior Works :				
	Mode of Measurements : Area of exposed and finished surfaces will be measured.				
1	Gypsum Board False Ceiling :	33.00	Sqm		
	Providing, and fixing Gypsum Board False Ceiling straight or curve any profile of reputed make which includes G.I. Perimeter Channels of size 0.55mm thick (having One Flange of 20mm and another flange of 30mm & a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of Nylon sleeves and screws at 610mm centres. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two flanges of 15mm each) from the soffit at 900mm centres with ceiling angle of width 25mm X 10mm X 0.55mm thick fixed to soffit with G.I. cleat and steel expansion fasteners. Ceiling section of 0.55mm thick having knurled web of 51.5mm & two flanges of 26mm each with lips of 10.5mm are then fixed to the inter-mediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 457 mm centres. ...				
2	Cove in ceiling :	31.00	Rmt		
	Same as above but providing, making and fixing Gypsum cove (inside height 150 - 200 mm and border 75 mm) to hide strip/cove light in ceiling or to act as pelmet for roller blinds on windows or for projector screen, etc.				
3	Mineral Fibre Grid Tile Ceiling :	52.00	Sqm		
	Mineral Fibre Acoustic Ceiling Tiles: Providing, making & Fixing at all heights & in spirit level, Acoustical Ceiling System @ Office areas with Armstrong, Gyproc or equivalent make mineral fibre acoustical suspended ceiling system as per Manufacturer's specification with pin-hole tiles, tegular edge with 24 mm exposed grid. The tiles should have Colour White, in module size of 600mmx 600mmx 15mm. with providing and fixing Hot dipped galvanised Steel suspension system Grid frame with butterfly clips, for laying of Acoustical Ceiling Tiles as per manufacturer's specifications. ...				
	Partitions :				
4	Full Height Partly Glazed Partly Wooden Double Skin Plywood Partitions :	5.00	Sqm		
	Providing and fixing full height partly glazed double skin partitions made out of Frame work to be 50mm X 50mm X 1.60 mm thick aluminum section weight not less than 0.836 kg/rmt with maximum distance of 450mm c/c both ways(Horizontal/ Vertical) or as directed, firmly fixed to floor or slab with 65 to 75 mm long screw or as directed by the Bank's Engineer as per site conditions with necessary grooves and cuts etc. including antitermite treatment to all wooden members wherever used. The partition to be sandwiched with 8 mm HDF Board / MR plywood from both the sides and finished with 1.0mm thick approved shades of laminated finish & match the panelling pattern. Additional wooden members to be provided wherever door is to be provided. Wood shall be treated with antitermite chemicals. The cost shall include all labor, materials, strictly as per the given design & drawing etc.				
5	Low Height partitions With / Without Glass :	23.50	Sqm		

	<p>Providing and fixing full height partly glazed double skin partitions made out of Frame work to be 50mm X 50mm X 1.60 mm thick aluminum section weight not less than 0.836 kg/rmt with maximum distance of 450mm c/c both ways(Horizontal /Vertical) or as directed, firmly fixed to floor or slab with 65 to 75 mm long screw or as directed by the Bank's Engineer as per site conditions with necessary grooves and cuts etc. including anti-termite to all wooden members wherever used. The partitions to be sand wiced with 8.0mm HDF Board / MR plywood from both the sides & finished with 1.0mm thick approved shades of laminat. finish & match the panelling pattern. The borders/edges to be lainated finish. The cost shall include all labor, materials, strictly as per the given design & drawing etc. in complete. One additional section 50 x 50mm shall be placed at 700 mm level from floor to fix the table. Additional wooden members to be provided wherever door is to be provided. Wood shall be treated with antitermite.</p>				
6	Wall / Column Panelling	56.00	Sqm		
	<p>Providing, making & fixing single skin paneling (type I using 8 mm thick MR plywood) on walls, front facia, boxing for rolling shutter, and/or columns & /or glazing soffits at various parts of the premises, upto 3 mt height and boxing of 0.10 mt. ht., as required, made out of 50 x 25 x 1.0 mm thk weighing 0.467 kg/rmt aluminum frame, vertical and horizontal sections placed at 450 mm c/c both ways or less as per site condition and finished with 6 mm thick MR plywood shall be fixed over the frame (either in one plane or at different levels) finished with 1mm thick decorative laminate of approved made and shade (in one or multi colour) shall be fixed with proper adhesive as directed. Top of the paneling edges / is to be provided with laminate or teak wood decorative beeding of 35mm x 20 mm finished with polish/painting as.</p>				
7	Cabinet for Electric Panel :	4.00	Sqm		
	<p>Providing, making and placing in position cabinet with openable shutter around the electric panel. Cabinet and shutter made of 18mm thk MR grade plywood. All visible surfaces shall be laminated with 1 mm thick Laminate on external surfaces of approved made and shades & painting the internal surfaces with 2 or more coats of synthetic enamel paint, including providing teakwood lipping of size 20 x 6 mm on edges. Horizontal slots (approx. 10 mm wide) to be cut in the shutter at top & bottom for ventilation. Rate to include for necessary hardware fixture like providing with 3 nos. of 75mm long SS hinges for each shutter, two nos of 75 mm tower bolt (one top and bottom), SS handles to shutters, magnetic catchers for each shutter and multipurpose Godrej or ebco lock. (Measurement area = Measurement to be taken for the front surface area of the cabinet).</p>				
8	ACP Panelling Works :	15.00	Sqm		

	ACP Panelling in ATM room & exteriors and Shutter boxing with trap door : Providing and fixing in position Aluminium Composite Panel (ACP) on wall, boxing, shutter panelling with framing of M.S. Tube sections of min. 50 mm x 25 mm and 16 gauge, (OR Aluminium tubular section of same sectional dimensions if required) of good quality, fixed/fabricated @ 600 mm c/c or less as per site requirement or members recommended by the manufacturer and in accordance with the specifications and recommendations of the manufacturer. The structure shall be fitted in place on walls/ beams/columns/ceilings/ MS fabricated structures etc. as instructed using recommended fixing method, with 3M or equivalent adhesive and with mirror screws, joints to be finished with silicon based sealant, etc. complete. ..contd..				
9	12M.M. Thick Toughned glass doors, at entrance, etc.	4.50	Sqm		
	Providing, and fixing 12mm thk single/double shutter <u>Toughned glass doors, at entrance</u> , etc. (each door shutter counted individually) of size 2.10 m ht x (0.75 m - 1 m wide) (approx. as per site requirement) as demarcated, swing type door openable both sides made out of 12 mm thk. clear toughened float glass, edge polished, fixed in wooden top & bottom rails of approved colour & finish, fixed on Everite/ozone/ Hardwyn/ Dorma or equivalent floor springs set, upper patch, lower patch, lock key plate, provision of locking system, etc. as per approval. One set of 25 mm dia S. S. brush finish pull handles (approx. 300mm length) "C" shaped, of approved make & design on both sides. Including providing "PUSH" * "PULL" sticker labels of approved design & make. The rate to include all materials, labour, transport, taxes, delivered and placed in position at site of work. Each door shall be treated individually with complete set of accessories to be provided on each door.				
10	Flush Door / Glazed Door :	12.50	Sqm		
	Providing and fixing single shutter flush doors of approx size 2.10 m x 0.75 - 0.9 m as instructed, hinged type door openable one side as instructed, made up of superior quality waterproof flush door partially glazed (cost of glass included). The door shall be flush door of approx. 32-38 mm thickness, both sides 1 mm thk laminate as per design. Cost shall be inclusive of beadings, all accessories like SS hinges, medium quality mortise handles/locks, baby latches, stopper, etc. Fittings shall be in SS finish as per approval, the cost shall include p/f of door closers of reputed brand as per approval with all doors.				
	Sub Total : Part A (Interior Works)				
	B Part B : Furnishing Works :				
	Furnitures :				
	Tables :				
11	Providing and supplying Officer's table and other tables as detailed below :				
	The table shall be of size of 1500 x 750 x 750 mm height, with edges been double thick having one side drawer Unit, 350 mm wide (clear internal size) one M S powder coated keyboard tray with mouse tray (<i>measured separately</i>) as manufactured by ebco (KBTM 45) or EGL (KBT-M-001) including sliding channel as per manufactures specification.				
12	Executives Branch Manager Table :	1	Nos.		
	... same as item no. 6.2.1 but providing and supplying Executives Branch Manager of minimum size 2.1 m x 0.90 m x 0.75 m ht.				

13	Officer / Relationship Manager/ Auditor Tables :	1	Nos.		
	... same as item no. 6.2.1 but providing and supplying Officer / Relationship Manager/ Auditor Tables of minimum size 1.65 -1.50 m x 0.75 m x 0.75 m ht.				
14	Assistant Tables / Grahak Mitra	0	Nos.		
	... same as item no. 6.2.1 but providing and supplying Assistant Table of minimum size 1.5-1.35 m x 0.75 m x 0.75 m ht.				
15	Single Window Operator Counters :	4.50	Rmt		
	The overall size of each Single Window Counter to be 1500mm - 1350mm x 900mm - 800mm x 750mm height. The top drawer to have cash separation arrangement.				
16	Wall Mounted Writing desk :	1.00	Job.		
	Providing & fixing half round / rectangular customer voucher holders writing counter of width 750-1200 mm and depth 300 - 450 mm fixed to be wall or partition or around the column (on two sides), at a height of 1050-1200mm made of 18 mm thk. MR plywood and 12 mm thick toughned glass top, and sides & edges shall be finished with 1 mm thick plain or textured laminates including inlay etc if required, pigeon hole arrangement of min. 150 mm height and as directed. The portion below the pigeon hole box to be provided as a cupboard unit, shall be with openable shutter & adjustable shelf all along the full width of the desk. The cost shall be completed with lippings, mouldings, fittings, and accessories etc as per specification. as per the instruction given by the Bank Engineer. (Measurement vertical area = length x height).				
17	Side Credenza :	5.00	Sqm		
	Providing, making and placing in position low height storage cabinets as storage & or runners from 350mm to 500 mm depth, height of 750 to 900 and length as per site requirement, and in 18 mm MR grade plywood construction with 6mm thk. MR grade plywood backing complete.				
18	Back Credenza	5.00	Sqm		
	... same as item no. 6.3.1 but providing and supplying Back Credenza/Runner, low height storage cabinets as storage and/or runners, in 18 mm MR grade plywood in verticals at sides, 900 mm c/c so as to form storage units attached together, each of width 900 mm. (Measurement area = Length x Height).				
	Glass Works :				
19	Toughened Glass Dividers For Single Window Counters and Front Partition Glazing / ATM :	2.00	Sqm		
	Providing, making and fixing in position 12mm thick toughened clear float glass in the front side of half height partitions of Single Window Counters of approximate size 1450mm x 400mm - 100mm in tapered shape. Also to provide toughned glass iat the entrance as partiton in Branch & at ATM. All the edges of the glass to be polished for a smooth finish and the glass is to be embedded in half partitions/ floor/ wall and fixed with " D " brackets/ SS fittings as required. The glass bottom to be min. 75 mm above tile surface at SWO and at floor level at partition. Etching of glass with film to be done as directed (measured separately). The cost to include all materials, labour, hardware etc., for a neat finished job as per drawings and directions etc., complete.				

20	12 mm Glass Dividers For Single Window Counters with Etching	4.50	Sqm		
	.. Same as item no. 7.5 but of 12 mm thickness. Also providing, making and fixing in position 8mm thick clear float glass on top of tables with tapered, rounded & polished edges, etc. complete.				
21	8 mm Glass Work with Etching	7.00	Sqm		
	.. Same as item no. 7.5 but of 8 mm thickness. Also providing, making and fixing in position 8mm thick clear float glass on top of tables with tapered, rounded & polished edges, etc. complete.				
	Hardwares :				
22	Providing and fixing night latch with three keys at doors, etc.	2	Nos.		
23	Providing and fixing two lever mortise lock of Godrej Make with brass handle	2	Nos.		
24	Providing and fixing Door closers on doors of make Everite /Ozone / Hardwyn/ Dorma upon approval including all packing, levelling, etc. as required.	4	Nos.		
	Misc. Works :				
25	NOTICE BOARD :	1	Nos.		
	Providing & fixing at site notice board of size 3' x 2' to be made up of kail/pine 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.				
26	Drop & Complaint Box :	1	Nos.		
	Providing & fixing at site drop & complaint box of size 300 mm x 400 mm to be made up of 1st class steam beach wood frame of size 25 mm x 25 mm wooden section, front 6 mm thk plain glass. The boxes shall have 12 mm py with approved shade of laminate and lockable shutter as per design 7 drawing, etc. complete.				
27	Wall Paper :	15	Sqm		
	Wall paper -Wallcoverings to be made from vinyl (PVF), coated with plastic; to be colourfast and washable with dust repellent property. Application of wall paper as per approved sample. Rate to include surface preparation abd application as per manufacturers standards. (Basic Rate Rs.90/- sqft)				
28	Providing and fixing Mirror of make modiguard/ saint gobain etc or equivalent of height 1220 mm complete with flat polished edges, fitted on site on 12 mm ply base, base having wooden lipping border and finished with laminate if instructed. The mirror shall be either pasted on the ply with silicon adhesive or fitted with stud-head screws with air gap in between (minimum 6 nos average per location) or both as per approval complete to the Engineer's satisfaction.	2.00	Sqm		
29	Plastic Emulsion Paint :	52	Sqm		
	Providing & applying Plastic emulsion paint on walls, ceiling, etc. Removing, scrapping & cleaning the existing color wash/ distem-per/oil bond distemper / plastic/ luster etc. paint by scrapping, washing and scrubbing . The surface shall then be allowed to dry for atleast 24 hours. It shall be then sand papered to give a smooth & even surface.				

30	Birla Putty :	47	Sqm		
	Providing & applying Birla Putty on walls, ceiling, etc. Removing, scrapping & cleaning the existing color wash/ distem-per/oil bond distemper / plastic/ luster etc. paint by scrapping, washing and scrubbing and applying Birla putty nor equivalent. The surface shall then be allowed to dry for atleast 24 hours. It shall be then sand papered to give a smooth & even surface. Holes shall be filled with BIRLA putty, made with plaster of paris.				
31	Enamel Paints to Doors, Windows, Grills, Metallic Surfaces, Walls	20	Sqm		
	Providing & applying Enamel Paints to Doors, Windows, Grills, Metallic Surfaces, walls, etc. Removing, scrapping & cleaning the existing enamel paint on doors, windows, grills, metallic surfaces, etc. paint by scrapping, sand papering and scrubbing. Then first coat of primer to be applied. After this necessary leveling shall be done with putty & second primer coat shall be applied.				
	Sub Total : Part B (Furnishing Works)				
	C Part C : BOUGHT OUT ITEMS:				
32	Sofa set : (Leatherite Finish)				
	Providing, making and fixing in position sofa set with/without side arms made for best quality badam/hillock wood frame-work & legs fitted with rubber nylon shoes fixing with 8mm thick commercial ply back side. Providing 150 mm thick high density (min40) foam rubber of approved quality to seat of zigzag spring of approved quality over 12 mm thick phenol form aldehyde bonded approved quality commercial ply and 50 mm thick foam rubber of approved quality, density mini. 32 to back covered with upholstery of latherite, 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.	3	Nos.		
	Measurement : no. of seats				
33	High back, revolving executive chair with cushioned seat and back and molded PVC hand rest, hydraulic vertical movement, swivel type chair with castors, as per quality and design approved, of makes viz. Godrej Bravo//Featherite Click/Featherlite Astro/Featherlite Contact Project/ Wipro/ Methodex make or equivalent as approved for BM.	1	Nos.		
34	Medium back, revolving executive chair with cushioned seat and back and molded PVC hand rest, hydraulic vertical movement, swivel type chair with castors, as per quality and design approved, of makes viz. Godrej Bravo//Featherite Click/ Featherlite Astro/Featherlite Contact Project/ Wipro/ Methodex make or equivalent as approved for officers viz. Sales Manager, Service Manager, Discussion room, SWO counters, Visitor Chairs for BM cabin, etc.	4	Nos.		
35	Medium back fixed type chairs with cushioned seat and back and molded PVC hand rest Godrej, S-frame type, as per quality and design approved, of makes viz. Godrej Bravo//Featherite Click/ Featherlite Astro/Featherlite Contact Project/ Wipro/ Methodex make or equivalent as approved for visitors, lunch room, etc.	5	Nos.		

36	PVC lightweight chairs with chrome plated legs of colour and shade as per approval of Nilkamal, Supreme, Blowplast, Featherlite or equivalent make (similar to Nilkamal Novella 07 Blue Chair).	4	Nos.		
Sub Total : Part C (Bought Out Items)					
D Part - D : Electrical Works :					
37	ELECTRICAL WIRING				
	Providing, fixing, testing and commissioning of POINT WIRING of any length for light point/Wall fan point/Exhaust fan point/ Call bell point/				
i	Providing and fixing of point wiring with above specifications. One light	29	Nos.		
ii	Providing and fixing of point wiring with same above specifications. Two	6	Nos		
iii	Providing and fixing of point wiring with same above specifications. Three light points to be controlled by one switch.	1	Nos		
iv	Call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	1	Nos		
v	Providing and fixing of Ceiling fan point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type.	6	Nos.		
vi	Providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	5	Nos		
vii	6 amp. Modular switch as serial no 1 on separte Board using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).	5	Nos		
xiii	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.	8	Nos		
38	SPECIAL POINTS : (For Computers) . Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner l/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6 A Switch + 3 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	5	Nos		
39	AC & Power Point (Single Phase) . Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings : Metra Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosur plate and box.- 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as required as per site requirement and as directed by Bank Engineer. OR Modular 32A DP 1 way switch with plate & box 1 set. + 25A & 10A twin socket (Only one point is connected with one circuit as mentioned below)	4	Nos		
40	CIRCUIT WIRING :(FRLS WIRE) Supply , installation, testing & commissioning of FRLS circuit wiring measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wiring in MS conduit is as per IS code. The average length of wiring around between(25-30) Mtr.				
a	3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	10	Nos		
b	3 X 4.0 sqmm (For 1 ton, 1.50, 2.00 & 2.00 Cassette AC / Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	6	Nos		

41	MAIN PANEL AND METER BOARD				
	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 nos earth terminals, 2 nos 230V AC operated 250mm X 250mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc as per specifications as required.main panel board of approved make (KRYPTON POWER NTROLS/ NEPTUNE /TRICOLITE/AMPTECH Or should be CPRI Approved, Type of Approval as instructed by the SBI/Architect)as per the following specifications,should be CPRI Approved.				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be withheat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be locable in OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be lcs breaking capacity				
	GA drawings shall be got approved by SBI				
a	Fabrication, supply, installation, testing and commissionings of cubicle type floor/wall mounted L.T. panel made out of 2 mm thick CRCA sheet including connection,inter-connection alongwith 4 strip aluminium busbar as per CPWD specifications,(Part IV-Sub-station) etc. as required. (Meter Board)				
	Incoming :-				
	i) 1no. 125 Amp 4P MCCB (25 KA) thermal over current, instantaneous, Short circuit realease,Earth fault.				
	ii) Busbar :-160 Amps 4P aluminum conductor bus bar (BPTM type Heat-shrinkable busbar insulation) supported by DMC / FRP insulators.				
	Space shall be provide for the BSES Meter				
	Meter board shall be lockable.				
	Complete panel described as above.				
b.	Floor panel shall consists of : -				
	INCOMER				
	1no. 125 Amp 4P On Load Change over switch with 1 No. 125 Amps,TPN MCCB (25 KA) with extendible rotary handle each thermal over current, instantaneous, Short circuit realease,Earth fault.				
	BUSBARS				
	160 amps TPN pole busbar chamber of suitable length with copper busbars. All busbars and interconnections shall be of suitable size copper strips.				
	INDICATING PANEL				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. current transformers of 100/5A ratio, 10 VA Class-1.0 metering. - 1 sets				
	Red/Green/Amber ON/OFF/TRIP indicating lamps with 2A SP MCB backup protection.				
	1 set of three phase indicating lamps along with 2A SP MCB backup protection.				
	Restricted Earth fault relay with 3 Nos. current transformers of 160/5 ratio, 15 VA Class 5P 10 (Numeric Relay not required.)				
	Undervoltage, Overvoltage & phase reversal relay for persisted voltage of 105-180% & 20-95% of rated voltage. (Numeric Relay not required.)				

	OUTGOINGS:-				
	2 Nos 63A TPN MCCB (16 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. For capacitor Bank AND AC VTPN,				
	2 Nos 63A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For PDB,UPS)				
	1 Nos 40A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For LDB)				
	2 Nos 40A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars.				
	The electrical panel as described above and specifications complete.	1	Set		
a	SDP(Surge Protector Device)	1	Set		
	Supply & Installation of SDP (Surge Protector Device) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- Imax 40KA/pole with complete wiring.				
b	6-way TPN DB (LIGHT DB)	1	Set		
	Incomer:-				
	1 No. 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	10-12 Nos.6/10/25 Amp (10 KA) SP MCB				
c	4-way TPN DB (POWER DB)	1	Set		
	Incomer:-				
	1 No. 63 Amp TPN (10 KA) MCB				
	Outgoing:-				
	10 Nos.16 Amp (10 KA) SP MCB				
d	4-way V-TPN DB (LIGHT)	1	Set		
	Incomer:-				
	1 No. 80 Amp 4 Pole (16 KA) MCCB				
	Outgoing:-				
	4No. 40 Amp (16 KA) TP MCB				
	5 Nos. 25 Amp (10 KA) SP MCB				
e	8-way V-TPN DB (AC)	1	Set		
	Incomer:-				
	1 No. 80 Amp 4 Pole (16 KA) MCCB				
	Outgoing:-				
	4No. 40 Amp (16 KA) TP MCB				
	5 Nos. 25 Amp (10 KA) SP MCB				
f	4-way TPN DB UPS ROOM	1	Set		
	Incomer:-				
	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB				
g	12-way SPN DB (For UPS Sub DB)	2	Set		
	Incomer:-				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	8-10 Nos.6/10Amp (10 KA) SP MCB				
h	KIT KAT 200 AMP.	1	Set		
	Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box				

42	CABLES				
	Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of GI wire of 8 SWG size .The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet				
i	3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB /Main cable)	5	Mtr		
ii	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification from Main board to UPS Room	20	Mtr		
iii	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification Pane to (POWER/UPS) DB	40	Mtr		
iv	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Light DB).	20	Mtr		
v	Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Mains).	10	Mtr		
43	EARTHING				
a	COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station:(As per IS:3043) (a) Excavation of hard 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. (b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick. (c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh. (e) Supply and Fixing of the following in the earth station. (i) 75 Kg. Charcoal. (ii) 15 Kg. Original Salt. (iii) Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per site requirement.	2	Nos		

b	G.I.PLATE EARTH STATION : Preparation of the Plate Earth Station: (as per IS: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 G.I. plate of size 600 x 600 x 6.0 mm thick. (c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I. strips from G.I.plate to earth terminal including brazing / welding at plate etc. (d) Supplying and laying in position 19 mm, 2 mtrs G.I. `B' class pipe for watering.with reducer/funnel with mesh. (e) S/F of the following in the earth station. 75 Kg. Charcoal, 15 Kg. Original Salt. and Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I. Cover of size 12" x 12" complete as per site req.and marking its value & identification etc.	2	Nos		
d	Providing and fixing of Copper / GI strips in surface or in recess for loop earthing etc. as required.				
i	25 mm x 3 mm copper strip with proper clamps	15	Mtr		
ii	25 mm x 5 mm GI strip	15	Mtr		
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	50	Mtr		
e	OCCUPANCY SENSORS:- Supply, installation , testing and commissioning of occupancy sensor surface/recess mounted as per site condition complete with all wiring/conduit/Switch etc complete in all respect as per site condition as required Honeywell Make K5015/16, Siemens/Johnson Control OR Equivalent as per Bank's approved.	2	Nos		
44	TELEPHONE POINT				
(i)	Two pair, 0.61 mm dia. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, colour coded twisted pairs and rip cord, Double outlet The length of telephone cable upto 35 meter length or less as per site condition with shutter modular type Telephone Outlets (RJ — 11) wth suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia,16 SWG (Medium Gauge) thickness rigid PVC conduit with conduit accessories like bend/junction box / cover plate/ sheet steel/PVC box on surface/ concealed manner i/c electrical connections and making goods all the damages, replastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. Make of Material:- Delton/Finolex/RR cable	5	Nos		
(ii)	Supplying and fixing of krone telephone tag block on surface/ recess mounted with its accessories 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, water proof box and locking arrangement and shall be fully accessible. (A) 20 Pair tag block	1	Nos		
45	DATA CABLING FOR LAN				

a	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto 30 meter length or less as per site condition in suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/ fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc complete as required as per site condition and as directed as required. Junction box should be covered with Stainless steel plate with screw with gasket for protection of water/dust. Providing, fixing, testing and commissioning of modular type Information Outlets with suitable size of MS/PVC modular boxes complete, all accessories with insulation displacement connectors etc suitable for CAT 6 UTP cabling with RJ-45 socket with testing and commissioning of STP cabling with scanner for all the nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.) Make of Material:- (i) Data Cable, Cat 6 cable, Switch, Jack panel, Rack, Patch cords & Other accessories:- D-Link, Legrand	8	Nos		
b	Providing and fixing Patch Panels 30 port (100 base TX) CAT 6 patch/jack panel with connector, outlets and necessary connectivity complete as required & (D-Link make)	1	Nos		
c	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK	1	Nos		
d	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.)				
i)	for 1 Mt. long	8	Nos.		
ii)	for 2 Mt. long	8	Nos		
e	Providing, fixing, testing and commissioning of four pair CAT 6 LAN cable in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location.	30	Mtr		
46	TV POINT:- Supply, installation, testing and commissioning of TV point (Modular) with RG-6 cable in the Medium Gauge 1.6 mm PVC Conduit with all accessories complete in all respect	1	Nos		
47	Supply and installation of Vinyl sticker for on Electrical DBs like, " Switch Off at Night", Switch Off For Safety, etc	15	Nos		
48	Making & Providing of 3 sets of Asbuilt Drawing with coloured print for entire Electrical work (Power/UPS/Light/Data/ Telephone/AC etc.) as advised by the Bank's Authority.	1	Lum sum		
	Description of light / fan fixture				
49	LED LUMINARES:- 2' x2' (FULL GLOW TYPE) LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electronic driver as required per instruction of Bank's Model No are as under:- PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW) WIPRO:- CRCO10RO 38 HP57 HAVELLS:- LHECDIL7IL1W036 (Edge- Lit) CG:- LCTAR3-40-CDL	11	Nos		
50	LED DOWNLIGHTER: 15 Watt, recessed mounted circular down lighter, 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG:- LC DD-15-CDL,	16	Nos		
51	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirement. PHILIPS, WIPRO, HAVELLS, CG	3	Nos		
52	LED COVE / STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG	40	Mtr		

53	Providing & fixing of "Digital Clock" /Digital Panel indicating Time, Day, Date, Temperature at outside of big size,(Ajanta - OLC-1070) as suitable over the facade as advised by the Bank with standard power back up. Make:- Ajanta, Titan	1	Nos		
54	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt - PHILIPS/WIPRO/HAVELLS/CG	8	Nos		
55	CEILING FAN: Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white CG/USHA/ ORIENT/HAVELLS	6	Nos		
56	WALL FAN:-(Only Metallic Body) Oscillating wall fan with regulator i/c connections etc complete as required as per approved make, Sweep 400/450 mm , RPM 1300 make are as under: CG/USHA/ ORIENT/HAVELLS	2	Nos		
57	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wounded, A & E class insulation, dynamically balanced, below 40 db sound level etc, front cover with grill/gravity louver for protection purpose with 12 mm plywood complete in all respect make as under: CG/USHA/ ORIENT/HAVELLS/ALMONARD/ALSTOM	4	Nos		
Sub Total : Part D (Electrical Works)					
E Part - E : Air Conditioning Works :					
	Supply, installation, testing and commissioning of following AIR CONDITONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST Number. and system has complete one year warranty & If any additional warranty provided by company/ vendor in any specific part like compressor etc that is acceptable, please mentioned it.				
58	Supply, installation, testing and commissioning of Higher Efficient models of <u>SPLIT AC FIVER* STAR INVERTER RATING OF BEE AIR CONDITIONERS1.50 TON</u> Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary 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 3 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 out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work 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	Nos		

59	Supply, installation, testing and commissioning of Higher Efficient models of <u>SPLIT AC FIVER* STAR INVERTER RATING OF BEE AIR CONDITIONERS 2.00 TON</u> Machines conforming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary 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 3 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 out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work 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	3	Nos		
60	Supply and installation of soft & prime quality of min. 22 G Copper pipe for " Split AC only" with class "o" Nitrile insulation of minimum 12mm for split air conditioner including inter connection power/ comm-unication cable between indoor & outdoor unit as per site requirement. (If required additionally, payment will made as per actual installtion. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex Make of cable:- Finolex/RR/Havells	50	Mtr		
61	<u>Drain Pipe</u> (If Required additional) Applicable to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with insulation as per site requirement with its all accessories like bend, solution etc as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. (If required additionally, payment will made as per actual installtion.) Make:- Kasta/supreme	40	Mtr		
62	Providing & fixing of 4/5 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 1Tr /1.5Tr Split AC & 2.00 Tr) Make:-Microtek, V-Gards (Voltage Range 150- 280 Volts)	4	Nos		
Sub Total : Part E (Air Conditioning Works)					

Sub Total : Part A (Interior Works)				
Sub Total : Part B (Furnishing Works)				
Sub Total : Part C (Bought Out Items)				
Sub Total : Part D (Electrical Works)				
Sub Total : Part E (AC Works)				

GRAND TOTAL

Note:- The rates quoted includes all other taxes,duties, loading, unloading, transportation, other expenses etc to site.

GST will be paid additionally as applicable

Seal & Signature of Contractor