

<b>A. INTERIOR FURNITURE WORKS</b>					
<b>S. No.</b>	<b>Description of Work</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<p><b>FULL HEIGHT DOUBLE SKIN PARTIALLY GLAZED PARTITION :</b> Providing and fixing full height partly wooden, partly glazed double skin partition with following specifications: 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 aluminium 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 treatment to all wooden members wherever used. The partition to be sandwiched with 7 mm HDHMR/EDHMR board from both the sides and finished with 1.0mm thick approved shades of laminated finish &amp; match the panelling pattern. Additional members to be provided wherever door is to be provided. The cost shall include all labor, materials, strictly as per the given design &amp; drawing etc. in complete. The partition to be sandwiched with 7 mm HDHMR/EDHMR board from both the sides and finished with 1.0mm thick approved shades of laminated finish &amp; match the panelling pattern. Additional members to be provided wherever door is to be provided. The cost shall include all labor, materials, strictly as per the given design &amp; drawing etc. in complete. The partition will be provided with 8 mm thick float glass fixed at 900 -1200 mm above the floor level with teak wood beading fixed on both sides of the glass finished with polishing as directed. The float glass to be etched as per approved design (film etching to be paid separately). The beading for fixing glass to be fixed on both sides of the partition in such a way that it would be projected from the partition. The top panel (above glass panel) and side panels shall be provided with 6 mm thick BWP/BWR plywood double skin partition as per specification above upto ceiling/top support. Making provision for items like softboards, white boards, electrical points, switchboards, telephone/ electrical/ data cables, etc. as &amp; where required (but excluding the cost for items). All finishes shall be done as per details and as per instructions of Bank's engineer. The rate to include all materials, labour, transport, etc.AT PARTITION BOTTOM &amp; TOP LEVEL 75 MM BLUE + 25MM RED PATTA MATCHED WITH BANK'S</p>	SQFT	680		

	BRANDING WITH COLOURED LAMINATE IS TO BE PROVIDED ALL AROUND THE BANKING HALL AND AS PER INSTRUCTIONS OF ARCHITECT. Note: 1. In case of false ceiling at both side of partition, measurement for payment shall be taken up to finished partition level/false ceiling level & not of frame work and aluminium section member shall go up to slab/beam soffit. 2. In case of false ceiling at one side of partition only, then measurement for payment for portion above finished level/false ceiling level will be taken 60% and contractor has to provide ply/laminate at visible side only.				
2	<b>FULL HEIGHT DOUBLE SKIN FULLY PANELLED PARTITION:</b> Providing and fixing Fully panelled partitions as per specifications given in Item No. 1 above, except that no glazing shall be there in the partition (doors shall however be glazed, if so desired by the CENTRAL BANK OF INDIA, or can be fully panelled also, with the same details and specifications in Item No. 1) all complete as per designs, details and specifications.	SQFT	920		
3	<b>LOW HEIGHT PARTITION:</b> Providing and fixing double skin partly panelled and partly glazed Low Height Partitions of 4' / 7' ht (cash cabin side & back partitions / partitions b/w officer counters/safe enclosure) with 12mm thick glass neatly and strongly inserted as per design and pattern, with the specifications of the fully panelled portion identical to the specifications given in Item No. 1 above. All exposed members shall be of teakwood, and polished and protected with Melamine Polish. TOP to be provided with rubber wood mouldings with french polish over it. P & F wicket gate wherever required with required SS hinges, SS tower bolts, automatic surface mounted spring door closer, etc. Rubber wood capping made out of sect. 65 x 15 mm fixed at edges incl. natural polish / painting etc. complete as directed. Making provision for items like softboards, white boards, electrical points, switchboards, telephone/ electrical/ data cables, etc. as & where required (but excluding the cost for items). All finishes shall be done as per details and as per instructions of Bank's engineer. The rate to include all materials, labour, transport etc complete. Further the partitions should have provision for fixing/embedding of vertical toughened glass partition and also toughened glass in	SQFT	824		

	vertical/horizontal position on SWO counter top, which will be measured separately. All other specifications and conditions to be same as Item No. 1 above. The rate to include for necessary hardware fittings (all SS brush finish) like shutters will be on EBCO self-closing hinges and drawers shall be on EBCO plain slides, SS handle to drawers & shutters, one no. of brass magnetic ball catcher for each shutter, one no. 75 mm long SS tower bolt to relevant shutter and one “Godrej” made lock for each compartment & drawers with common key, etc. complete. Nylon Buffers of suitable size to be provided under the storage units fixed with screws, wherever required.				
4	<b>LOW HEIGHT CABINET:</b> Providing, making and placing in position low height storage cabinets as storage and/or runners from 375 mm to 450 mm depth, height of 750 and length as per site requirement, and in 18 mm HDHMR/EDHMR board construction with 6mm thk. HDHMR/EDHMR plyboard backing complete. <u>It shall have 2 no. of 125 mm deep drawers, equal size (min. 400 mm) wide on upper side</u> and below to drawers, the cupboard unit shall be with openable shutter & adjustable shelf all along the full width of the credenza. All drawers shall be fitted with telescopic channels and locking arrangement and cupboards shall have locking arrangement and all exposed edges of plywood shall be fitted with lamination / teak wood beading duly polished. All beading shall have polish/painted of matching color. All visible surfaces shall be laminated with 1 mm thick plain or Textured Laminate on external surfaces and 0.8 mm thick white lamination on internal surfaces of approved made. Providing two nos. shelves, one at 75mm above floor level and one intermediate in middle made of 18 mm HDHMR/EDHMR plyboard with TW lipping on exposed edges duly polished. Two equal side hung shutters of 18 mm thk BWP plywood with teak wood lipping of size 20 x 6 mm on all edges for each compartment. No vertical edge of the storage units should be left sharp.	SQFT	450		
5	<b>FULL HEIGHT STORAGE CABINET WITH SHUTTER:</b> Providing, making and placing in position <u>450 mm - 525 mm deep</u> full ht. storage units of reqd. length with overall ht 2100 mm approx. with 5 equal compartments, to be constructed in 18mm thk HDHMR/EDHMR plyboard with TW lipping at edges. HDHMR/EDHMR plyboard in verticals at every 900 mm or part thereof of at sides & at top. Back	SQFT	1150		

	to be of 12 mm thkHDHMR/EDHMR plyboard Shelves to be of 18mm thk HDHMR/EDHMR plyboard, one at 75mm above floor & 4 intermediates shelves to have five compartments. 18mm thk BWP grade plywood overall shutter ( i.e., set of 4 shutters in (900 x 2100 mm) (one shutter should not be more than 450 mm wide and 1200mm high), provided with 3 nos ( for 1200 door) and 2 nos for 900 mm shutter 75mm long SS hinges for each shutter, two nos of 75mm tower bolt (one top and bottom), SS handles to shutters, magnetic catchers for each shutter and multipurpose Godrej or Ebco lock & brass handles all approved make. All visible surfaces shall be laminated with 1 mm thick plain or Textured Laminate on external surfaces and 0.8 mm thick white lamination on internal surfaces of approved make. Note: Elevation area will be measured for payment.				
<b>6a</b>	<b>GRID FALSE CEILING (ONLY BANKING HALL):</b> Providing and fixing Gypsum board 12.50 mm thick false ceiling in steps (Gypsum Ceiling level will be below than fibre ceiling level by 6") and design using Original Gypsum board with original GI sheet section of Gypsteel ULTRA (Gypsteel Ultra shall be used) supporting system in line and level. Entire work to be done as per standard specifications of Saint Gobin Gyproc India / USG Boral. (Note: Gypsum ceiling of premises will be 8'-0" above floor level) Saint Gobin:- 12.5 mm thick Gypboard plain & Gypultra ceiling section as per following brief details:- (i). 20X30X27mm perimeter channel fixed with screws at 610mm centre to centre. (ii). 15X15X45mm intermediate channel 1220mm centre to centre suspended with 25X1mm ceiling angle at 600mm centre to centre. (iii). 51.5X26X10.5mm ceiling section at 457mm centre to centre. (iv). Board fixed over ceiling section with 25 mm drywall screws at 230mm centre to centre (staggered joint). Finished with Gyproc jointing compound, Gyproc joint paper tape & 2 coats of dry wall top coat. Work to be completed using all accessories, suspension system as per detailed specifications & manufacturer's recommendations/ datasheet. USG BORAL: - 12.5 mm thick USG BORAL standard Gypsum Board & USG BORAL universal sections as per following brief details: - (i). 28X18X30mm ultra frame perimeter channel fixed with screws at 600mm centre to centre. (ii). 27X27X45mm intermediate channel 1220mm centre to centre suspended with 24X24mm ceiling angle at 600mm centre to centre. (iii). 27X27X45mm	SQFT	1800		

	<p>USG BORAL ULTRA FRAME UNIVERSAL ceiling section at 457mm centre to centre completed with four-point compacting clips. (iv). Board fixed over ceiling section with 25 mm long drywall screws at 230mm centre to centre (staggered joint). Finished with USGBORAL joint tape / Fibre tape &amp; all-purpose joint compound. Work to be completed using all accessories, suspension system as per detailed specifications &amp; manufacturer's recommendations/datasheet. Additional perimeter channels / ceiling sections with gypsum board shall be provided around the cut outs for light fittings, curtain rail, etc. Additional support for cut outs to be provided at no extra cost. The ceiling boards shall be fixed to the underside of the suspended grid using 3.5 mm x 25 mm self-tapping screws. The joints shall be finished with joint glass fibre tape and jointing compound of approved make. The surface of the false ceiling fixed as above shall be prepared by sand papering, providing, applying and finishing a coat of approved make acrylic putty, one coat of approved make acrylic primer and two or more coats of approved make and shade premium plastic emulsion, etc. Rate shall include making necessary cuttings for light fittings AC diffusers and other fixtures. No deduction shall be made and no extra payment made for making any opening. The rate shall include for all lead and lifts, labour, etc all as directed by the Bank's Engineer.</p>				
<b>6b</b>	<p><b>4" to 6" patta</b> of gypsum board as per above specification in vertical plane at junction of gypsum and mineral fibre false ceiling. It will be measured in rft.for payment purpose.</p>	rft	450		
<b>6c</b>	<p>Providing &amp; Fixing <b>Mineral Fibre False Ceiling</b> (Acoustical Suspended Ceiling System). Work to be completed using all accessories, suspension system as per detailed specifications &amp; manufacturer's recommendations / datasheet. Necessary cut-outs shall be provided wherever required. Visible area shall be measured in sqm. only. <b>ARMSTRONG:-</b> (Note: Grid ceiling of premises will be 8'-6" above floor level) <b>600X600X16MM Dune (Microlook) - Bevelled Edge tiles fixed over Armstrong - SILHOUETTE XL 15mm (9/16") mid range (1/4") Black Reveal) Grid System. Main Runners spaced at 1200mm centre to centre, 1200mm long cross TEE interlocked between main runners at 600mm centre to centre and 600mm long cut cross TEEs at 1200mm centre to centre. 3000X19X19mm ARMSTRONG wall angle screwed to wall with screws at 450mm centre to centre. Armstrong Suspension system consisting of M6</b></p>	SQFT	1800		

	Anchor Fasteners, 26X26X25X1.2mm vertical hanger, 2.68mm Hanger wire with adjustable hook clips to be provided maximum 1200 centre to centre both way. USG BORAL:- 600X600X15MM / 595X595X16mm OLYMPIA MICRO-CLIMA PLUS Fineline Bevelled edge fixed over USG BORAL FINE LINE DXF grid system(Black reveal). Main Runners spaced at 1200mm centre to centre, 1200mm long cross TEE interlocked between main runners at 600mm centre to centre and 600mm long cut cross TEEs at 1200mm centre to centre. 3000X19X19mm wall angle screwed to wall with screws at 450mm centre to centre. The above grid is suspended at every 1200mm centre to centre in both directions using 4mm thick GI hanger wires with approved accessories.				
<b>7a</b>	<b>INTERNAL PANELLING</b> : P/F panelling on wall (up to 4'-0''/8'-6'' ht)/column (up to false ceiling ht. of 8'-6'') with framework of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both way covered with 12mm HDHMR/EDHMR plyboard and finished with 1.0 mm. thk. Laminate of approved shade and make. (Note: Architect's approval is required for panelling other than on walls in Banking Hall, without prior approval, no bill for the same shall be entertained) AT GYPSUM CEILING BOTTOM LEVEL BLUE & RED BANK'S BRANDING PATTA IN RATIO 3:1 IS TO BE PROVIDED ALL AROUND THE BANKING HALL AND AS PER INSTRUCTIONS OF ARCHITECT.	SQFT	950		
<b>7b</b>	P/F panelling on wall (up to 4'-0''/8'-6'' ht)/column (up to false ceiling ht. of 8'-6'') with framework of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both way covered with WPC fluted panels of approved shade and make.	SQFT	700		
<b>8</b>	<b>Roller Blinds:</b> Providing and fixing Roller Blinds (premium range, semi transparent with woven pattern ,monochrome colour- make-VISTA / MAC), all complete, with all fixing mechanisms, in specified colour / texture / screen, as per attached list, all complete with installation, testing, correcting any deficiencies, all complete as per instructions of E/I.	SQFT	900		
<b>9a</b>	<b>TABLE / COUNTERS</b> : Providing and placing new tables along with matching pedestal units of plan size (basic) as given below: a) Table top to be made of minm. 18 mm thick HDHMR/EDHMR plyboard, edged with Teakwood beading of 40 mm x 25 mm, cut	Each	1		

	to required shape with the entire table to be finished with superior quality 1mm thick wood finish laminate / approved equivalent. Teakwood Beading to be polished to required colour and finished and protected with a top-coat of melamine finish. b) Tables to have a vertical modesty panel of minm. 18 mm thick HDHMR/EDHMR plyboard covered with 1mm thick superior wood finish laminate (textured / raised wherever required) / approved equivalent of approved colour and minimum 0.8mm thk laminate to be pasted on the inner side, which is not visible. c) 3 nos of Drawers to be provided in each table/counter laminated on all external surfaces and 0.8mm laminate on all internal surfaces as specified above. All drawers to be provided with 'Godrej' locks and handles. Independent locking arrangement (cam lock) for each pedestal. At least 3 nos of drawers in each pedestal. Sleek handles for easy grip. d) Providing circular holes in table top for cables with PVC cable managers of 65 mm dia and cap. Payment of top glass, CPU trolley, Keyboard and channel sliders to be paid separately. <b>RH Table Set: 8'-0" x 3'-0" (as/ design)</b>				
<b>9b</b>	<b>DRH Table Set: 7'-0" x 3'-0" (as/ design)</b>	Each	1		
<b>9c</b>	<b>Officer / SWO Table Set: 2'-6' wide (as/ design)</b>	RFT	196		
<b>9d</b>	<b>Server Table/workstations - 2'-0" wide as/design</b>	RFT	5		
<b>9e</b>	<b>Conference Room Table (22'-0" x 5'-0" as per design):</b> Providing & fixing Conference table of size 22ft. x 5 ft. in rectangular shape . Top made up of 25mm thick BWP grade plywood and under structure of 18mm plywood. Table top surface, both sides of vertical support/side panel and both sides modesty shall be pasted with 4.00 mm thick veneer with hot pressed EVA glue/adhesive polished with four layered PU coating with spraying finish. All edges are covered with half round steam beach wood molding duly melamine polish with proper provision of complete audio & electrical system in the table as per instruction of incharge. The rates are inclusive of providing & fixing batten of 40x40mm at the joint of table desk. Balancing laminate shall be pasted below the table top. Raceways having cut outs of required sizes (02 nos) along with Hydraulic pop Up Box / Cable Cubby with HDMI, Audio, LAN and Power ports.	nos	1		
<b>9f</b>	Providing and fixing <b>8-10 mm glass</b> over top of table/counter with finished edges as per table size and shape. Cutting of hole for provision of cable manager at designated location.	sqft	110		

9g	<b>M S powder coated keyboard tray</b> with mouse tray as manufactured by Ebco (KBTM 45) or EGL (KBT-M-001) including sliding channel as per manufacturers specification to be provided below the working platform.	nos	44		
9h	Provide <b>CPU metal black trolley</b> with 4 castor wheels with locking system for each counters/table at at bottom for plaing of CPU. Adjustable width from 5" to 9".	nos	44		
9i	Providing and fixing set (left and right side) of side mounted Telescopic <b>Drawer Channel</b> . Galvanized steel material. Ball bearing runners. Size 12 to 16 inch. (Make: Dorset, Hettich, Godrej, Ebco)	set	132		
10	<b>NOTICE / SOFT BOARDS:</b> Providing & fixing soft boards of size 4'-0"x 2'-6" on 10mm th. ply board 12mm thk. soft board finished with velvet fabric, 1"x2" teak wood beading with polish is to provided around all sides. (Basic cost of fabric Rs. 200/- per mt.)	SQFT	20		
11a	<b>SOLID FLUSH DOORS ( WITH VISION PANEL):</b> Providing and fixing solid doors of sizes as shown in the drawing including door frame made out of 4" x 2 1/2" WPC frame fixed as per required position with 30mm solid flush door finished with 1.0 mm thick approved laminate on both sides. Rate shall include door stopper, 5" hinges 4 Nos., buffers, etc with necessary hardware items and with door frames. Vision panel is to be made as directed by putting 10 mm glass supported on teak beading on both sides duly polished.	SQFT	110		
11b	Providing and fixing <b>Mortise lock 6 lever 7 inch</b> (Godrej / Link / Dorset Make) with necessary accessories	nos	6		
11c	Providing and fixing surface mounted overhead <b>Door closure with track/pelmet arm</b> and other necessary accessories. (Make: Godrej, Ozone, Dorset)	nos	6		
12	<b>ACP FOR BOXING/PANELLING:</b> Design, Supply , Fabrication and installation / Fixing of Aluminum Composite Panels of approved make for external cladding and canopy cladding in combination of solid / Metallic colours, including all necessary frame work and complete weather sealing. The composite panel should consist of 3 mm LDPE sandwiched between 2 skins of 0.5mm thick Aluminum sheet making a total panel thickness of 4 mm. The supporting framework shall be made to suit the grid requirement at site out of extruded section 38x38x3mm aluminum angle section	SQFT	224		



	or 50x25x1.6mm aluminum tube section running vertically or horizontally fixed to building structure through M.S clamps prefixed to masonry with suitable anchor fastner or screws as required after aligning the framework for level and lines.the ACP panel cut to size and bent at edges to form a tray to be fixed to aluminum grid tubes cleats,angles etc with metal screws. All hardware wil be corrossion resistant. The gaps will be sealed using weather sealant like Dow Corning 789 or any other approved brand. Note: the external surface shall be well protected with self adhesive peel off masking foil which is to be peeled off after the completion of all the works.				
13	<b>ELECTRICAL MAIN PANEL COVER:</b> Providing and fixing shutters made of 17mm or more thick <u>fire retardant plywood</u> with side boards and intermediate supports and finished in laminate of approved shade including backside. Laminate to be provided in 1 mm thickness (exterior) and 0.8 mm thick (interior)- no paint. This also includes providing necessary hardware like handles, hinges, locks, tower bolts etc. of approved make. All exposed wooden surfaces shall be stained to shade. Louvers to be provided in shutter made up of teak wood/SS-304 and is to provide in 2 nos of avg. size. 1' x 2' (total 2 nos ) as per the design / instructions of Bank.	SQFT	32		
14	<b>TOUGHENED GLASS PARTITION (MAIN ENTRANCE/CABIN FRONT):</b> Providing, making and fixing in position full ht.12 mm thick toughened glass between walls/columns, vertically in aluminum anodized sections all around for external facade glazing. Anodizing to be natural finish shade. The work includes fixing of glass with Top, Bottom & Side surface with proper SS support/fittings. The gaps to be sealed using weather resistant sealant like Dow Corning 789 or any other approved brand.	SQFT	350		
15	<b>CARPET FLOORING (Conference Room):</b> Providing and fixing of minm. 1.5 mm thk. 2'x2' tiles/ 3' wide roll of approved make & color inclusive of 4" to 6" skirting. The adhesive must be applied only after proper cleaning/ washing of the surface on which the tiles/roll are to be fixed. The rate is inclusive of cleaning repairing the floor wherever required and removing the spilled out adhesive, stains etc. on the surface.	SQFT	480		

16	<b>TROPHY GLASS SHELVES ON SS BRACKETS (RH CABIN):</b> Providing and fixing 10-12mm glass shelf mounted over SS F-type Bracket 8-12 inch long of SS matt finish. Glass edges are to be ploished with rounded or chamfered corners as per the design / instructions of Bank. Brackets are of grade 304 SS fixed with SS screws. Measurement will be taken of area of glass provided.	SQFT	30		
17a	<b>VINYL/ FROSTED FILM WITH BANK'S LOGO:</b> Providing & Fixing frosted film fixed on the glass after cleaning and wiping glass surfaces free of any dust or foreign bodies and then fixed plain approved pattern / design film on the glass as per detail drawing inclusive of making necessary cutouts, carting away unserviceable materials out of compound, cleaning the site etc. complete as per the site requirements and the instructions of the Architect. (Basic Cost of film not less then Rs.50/- Per SFT). (Measurement area = Length X Height)	SQFT	275		
17b	Providing and fixing <b>Bank's Logo</b> (Size: 9" x 9" in red colour fixed on the glass as per requirements and instruction of Engineer.	nos	24		
18	<b>FIRE/WEATHER RESISTANT PARTITION (UPS Cubicle):</b> Supply and installation of fire proof partition made up of Bison Panel (cement bonded particle board) with Fire rating of 240 hrs with required components such a Rockwool tight puff, supporting studs and additional fitments AT INNER SIDE and HDHMR plyboards on OUTER side, finished on inner sides with paints and external side with 1.0 ,, laminates as per above items with provision of fire-rated door of 3' x 7' with necessary fittings with louvers at the bottom for air circulation.	SQFT	120		
19	<b>TOUGHENED GLASS DOORS:</b> Providing and fixing of toughened glass doors (min. 12mm) with fixtures of size 900x 2100 mm (approx.) Details: 1.00 Nos Door Lock, Door stopper, Floor Machine (design as per load), Patch fitting, S.S. Handle 12" long complete as per direction of EIC.	SQFT	84		

20	<b>OVERHEAD STORAGES (PANTRY ONLY):</b> Providing, making and placing in position overhead storage cabinets as storage of 375 mm depth, height of 750mm and length as per site requirement, and in 18 mm HDHMR/EDHMR board construction with 6mm thk. HDHMR/EDHMR plyboard backing complete. All shutters shall be fitted with locking arrangement and all exposed edges of plywood shall be fitted with lamination / teak wood beading duly polished. All beading shall have polish/painted of matching color. All visible surfaces shall be laminated with 1 mm thick plain or Textured Laminate on external surfaces and 0.8 mm thick white lamination on internal surfaces of approved made. The rate to include for necessary hardware fittings (all SS brush finish) like shutters will be on EBCO self-closing hinges, SS handle to shutters, one no. of brass magnetic ball catcher for each shutter, one no. 75 mm long SS tower bolt to relevant shutter and one “Godrej” made lock for each compartment.	SQFT	24		
<b>TOTAL AMOUNT, A =</b>					

#### B. ELECTRICAL WORKS

S. No.	Description	Unit	Quantity	Rate	Amount
1.1	<b>W I R I N G:</b> Providing wiring ( supply, fixing, testing and comm. etc.) for light point / Exhaust fan point / Call bell point/6A Switch-socket point etc. with 2x1.5+1X1.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC 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/angle holder etc. including 1.5 sqmm PVC insulated copper earth wire etc. complete as required. Wire colours: Red, Black, Green. Supplying, providing wiring (supply, fixing, testing and comm. etc.) for circuit with 2 x 2.5 + 1 x 2.5 sqmm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC 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. <b>Primary light point</b>	Point	40		
1.2	Secondary light point (Maximum 2 points to be looped from primary)	Point	80		

1.3	Plug point /ceiling Rose Point (for wall fans/Exhaust fan) Supply, fixing and commissioning of 1 No 6A multi-Socket/Ceiling rose with 1 No. 6A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc. on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc. complete as required as per site requirement and as directed.	Point	30		
1.4	6 AMP. POINTS ON SWITCH BOARD (Half point) / RAW power point above workstations for printer/charger: Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch with indicator (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc. complete as required as per site requirement and as directed.	Point	70		
1.5	Ceiling fan point with step type modular regulator	Point	2		
2a	S & I of 1100V grade armoured cable/ Flexible Wire (FRLS) having sector/ circular shaped aluminum / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip/ wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall/ ceiling etc. complete in all respects (with proper color code) through MS conduits. The rate shall also to include Termination of the above cables with Heavy Duty Cu lugs & Brass cable lands providing identification tags at each end of the cable (the identification tags shall mention the size of the cable and the names of the panels on either ends). The rates to include testing and commissioning.: 3.5 core 16.0 sqmm armored copper cable ( <b>Sub Main Wiring from Main Panel DB to Power DB</b> )	Meter	75		
2b	2 x 4 sqmm + 1x 2.5 sqmm PVC insulated flexible copper wire ( <b>Sub Main Wiring from VTPN DB to UPS IN DB &amp; UPS OUT DB to UPS OUTGOING DB</b> )	Meter	180		
2c	3.5 core 10.0 sqmm armored copper cable ( <b>Sub Main Wiring from Main Panel DB to light DB</b> )	Meter	60		

3	UPS points (any length): Supplying and fixing suitable size box with modular plate and cover including providing and fixing <b>3 pin 3 x 6/16 amps modular socket outlet, 16 amps modular switch, indicator light</b> on board connection etc. as required with wiring with 2 X 2.5 sqmm + 1 X 2.5 sq. mm FRLS PVC insulated copper conductor wire in MMS grade PVC conduit with all accessories etc. (wiring from DB / Source to Board/destination) and making good all the damages, painting, cleaning the site etc. complete. Switch over table/partition while sockets below counter tables.	Each	54		
4a	LAN POINT (any length) : Supplying and fixing four pair CAT 6 UTP LAN cable tinned copper conductor (from Server rack to I/O outlet) through PVC conduit including connection, testing etc. as required with identification by numbering etc. complete as required as per AT&T specification with following items: Net socket outlet with shutter modular type RJ - 45 I/O with suitable size PVC modular boxes complete as required ( <b>D-Link Make</b> ).	Each	50		
4b	Supply of readymade <b>patch cords (CAT 6) cable of 2 mtr length complete with connectors and boots</b> on both sides.	Each	50		
4c	Supply of readymade <b>patch cords (CAT 6) cable of 1 mtr length complete with connectors and boots</b> on both sides.	Each	50		
4d	Supply & fixing wall mount <b>52 U server Rack</b> with power distribution units, Horizontal cable manager, fan, lockable door, etc. complete as required	Each	1		
4e	Supply, installation, testing and commissioning of CAT 6 UTP wall mount 12/16/24 port patch panel	Each	2		
5	<b>16 AMP. POWER POINTS: (including circuit wiring):</b> Supply, fixing, testing and commissioning of 1 No 16 A switch with indicator & 1 No. three pin 6/16 Amp. Multi Socket (Modular Type) with cover plate, sheet steel box etc. on surface / concealed manner I/c electrical wiring with 2 x 4 sq.mm. + 1 x 2.5 sq.mm. FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc. on surface / recessed manner etc. (Wiring from D.B. / Source to Board to destination) and making good all the damages, painting, cleaning the site etc. complete as required as per site requirement and as directed.	Each	24		

6	MODULAR BLANK PLATE : Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	6		
7a	SPLIT AC POINTS : Supply, Installation, Testing and commissioning of <b><u>surface / recess mounting modular 25/32 A modular starter unit</u></b> comprising of 25/32 A starter, 25/32 A socket with 25/32 A plug including wiring with 2 X 4.0 sq mm + 1 X 2.5 sq mm PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC 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.	Set	6		
7b	CASSETTE AC POINTS: Supply, Installation, Testing and commissioning of <b><u>TPN ISOLATOR 32-63 AMP</u></b> including wiring with 3 X 6.0 sq mm + 1 X 4 sq mm PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc. (Wiring from D.B. / Source to cassette ac indoor/outdoor units) and making good all the damages, painting, cleaning the site etc. complete as required as per site requirement and as directed.	Set	6		
8a	LIGHT/RAW POWER DISTRIBUTION BOARD: Supplying and installation of following way, horizontal type Triple pole and neutral, sheet steel, MCB distribution board double door, 240 volts, on surface/ recess, complete with 100 A copper bus bar for each phase , neutral bus bar, earth bar, din bar, interconnections, powder painted including Earthing etc. as required including DB wiring, dressing with ferruling, termination of circuits with ping type copper lugs, cable gland etc. 4-way TPN DB IP 43, Double door, INCOMER: 1 No. 4 Pole 415V RCBO 63 Amp ,100 ma sensitivity, OUTGOINGS: 12 Nos SPMCB 10/16/25/32 Amp, SET AS ABOVE	Each	4		
8b	UPS Distribution Boards: Supplying and installation of following way, horizontal type single pole and neutral, sheet steel, MCB distribution board double door, 240 volts, on surface/ recess, complete with	Set	2		

	100 A copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including Earthing etc. as required including DB wiring, dressing with ferruling, termination of circuits with ping type copper lugs, cable gland etc. IN/OUT UPS: 2 Nos Plug & Socket DB , 3 Nos DP MCB 40 Amp in 6 way SPN DB: OUTGOING DB - 2 NOS; For computer systems-1 NOS 16 WAY SPN DB IP 43, Double Door with 1 Nos of 32 A DP MCB & 14 Nos SP MCB 6/10 Amp; For E-surveillance system - 1 NOS 2 WAY SPN DB IP 43, Double Door with 1 Nos of 32 A DP MCB & 4 Nos SP MCB 6/10 Amp, SETs AS ABOVE				
8c	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	8		
8d	Danger Sticker / Board for Indication at Main panel	Each	1		
9	CALL BELL: SITC of Call bell point/circuit wiring including Ding – Dong bell with 2 x 1.5 mm sq. FRLS multi strand PVC copper wire including 6 A Bell push with indicator modular switch, mounting box, etc. in BM Cubicle.	Nos	2		
10a	CHEMICAL EARTHING WITH EARTHING BUS: SITC of Chemical Earthing using minimum 17 mm dia. 2 mtr long high tensile low carbon steel circular rod with minimum copper bonded thickness of 250 microns. Providing copper strip 150 mm x 25 mm x 6 mm in straight through joint to terminate Earth Rod having 4 holes for connections complete with excavation in all types of soil/stone, civil works etc. The voltage between Neutral & Earth not to exceed 2 volts & IR value less than 1 ohm. The earth resistance shall be as per IS 3043. A hole of 100 mm to 125 mm dia. to be augured to a depth of about 2.5 meters. Providing & Backfill Earthing enhancement Compound minimum 20 kg approved by NABL.	Nos	2		
10b	P & F Brick masonry Chamber with plaster incl. all civil works complete with concrete/iron lid painted black with pulling hooks on top. Size: 300x300x300 mm internal.	Nos	2		
10c	Supply & Installation of (32 x 6) mm of 300mm length GI. earthing bus with enclosure near main electrical panel with sufficient no. of holes for connecting earthing wire with necessary accessories, hardware, etc.	Nos	1		
10d	Connecting from Earthing terminal to electrical DB system by 8 SWG GI wire in including all necessary	Mts.	150		

	hardware and accessories etc. complete as directed by EIC.				
11	<p>Supply and fixing of indoor cubicle extensible type fully compartmentalized distributon panel suitable for operation on 415 colts 50 Hz 3 phase 4 wire AC distribution system ,suitable for 35KA short circuit rating, confirming to IP:42 degree of protection, made up of 1.6 mm thick CRCA sheet, wall/floor mounted, dust &amp; vermin proof enclosure, having hinged and earthed cover on front, having neoprene gasket/katings stuck to the doors, duly painted with 65-75 microns thick dry epoxy powder paint after 7 tank process of degreasing, derusting etc. compromising of the following sqitchgears complete with all interconnections with suitable size of copper strip/hard drawn PVC insulaed copper cable i/c keeping the panel in position, minor civil works as necessary, planning, sign writing, etc. complete as required (as per specifications of Panel attached)Test Report: PANEL MANUFACTURER CPRI TEST REPORT. INCOMER: SFU TPN 250 A with HRC fuses (just after meter and prior to Main Panel) 1 Nos 250 Amp 4P, 36 kA, MCCB's with thermal magnetic releases for overload &amp; short circuit protection 1 No Manual Changeover Switch On Load - 200 Amp, WIRING: Wiring from MCCB to bus bar by 4 x 35 sqmm copper wire or connected by 25x5mm copper strip, METERING: Multifunctional meter displaying A/V/PF &amp; Hz along with 3 nos suitable size CTs 100/SA &amp; 2-6A MCB protection etc. as required: 1 nos, LED type phase indicating lamp in phase distinguishing colors with 2-6A MCB - 6 Nos, BUS BAR: Main Bus Bar: 4 strip (25x6mm) 250 amp bus bar made of electrical grade copper strip enclosed in separate bus bar chamber, provided with DMC/SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1set, Emergency Load Bus Bar: 4 strip (25x5mm) 250 amp bus bar made of electrical grade copper strip enclosed in separate bus bar chamber, provided with DMC/SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1set, OUTGOING: 100 Amp TP MCB for light/Power DBs - 3 Nos, 80 Amp TP MCB for light/Power DBs-2 nos, 63/40 Amp DP MCB for UPS DBs-3 nos, 25/32 Amp TP MCB for Cassette AC - 6 nos, 32 Amp SP MCB for Glow Sign</p>	Set	1		



	Board - 02 nos, 02 nos 24 hrs programmable timer & contactor complete for authomatic operation of GSB. 16/20/25 Amp SP MCB - 2 nos spares, Other items such as 1 Lot of control Copper wiring with all internal wiring and thimble including.				
12a	SITC OF FIXTURES AND FITTINGS: Installation of following type direct/ indirect type recess/surface/ wall mounted light fixtures. The fixtures shall be installed including supply and wiring between Ceiling rose to fixture with supply and laying of 3core 1.5 Sq.mm copper flexible cable and fixing of following luminaries/fittings with all required accessories, support chains & interconnections etc. including cost and conveyance of all materials, taxes and all labour charges etc., complete. Supply, installation, testing and commissioning of 15 W LED recessed mounted down light. Lumen output: 1200 lumen, 6500 K Approved model: Philips Ultra Glow Downlighter	Nos.	32		
12b	1200 mm bldc 5 star rated ceiling fan	Nos.	2		
12c	Supply, installation, testing and commissioning of 2'x2' square commercial LED of minimum 35-38 W of correction colour temperature 6500 K recess mounted luminaries. (Minimum output: 4000 lumen), PF >0.9, CRI >=80. Approved model: Philips Full Glow RC380B LED 42S – 6500 G6 L60W60 PSU OD (Generation 6 professional model)	Nos.	72		
12d	Supply, installation, testing and commissioning of 18-inch dia. Wall fan METAL BODY having sweep of 450 mm, minimum power input 60 Watts, Having two cord one for 3 no. swing and another one for speed control, minimum motor speed 1400 RPM. Having ALUMINUM Blades, Thermal overload protection for long lasting motor, smooth oscillation with elegant aesthetic. Approved Make: Crompton Greaves Sstorm 2	Nos.	24		
12e	Supply and fixing of 150mm BLDC Exhaust fans etc. including dismantling of wall to make round hole of 300 dia. With 17ail/grills of 12mm bar, preparation of surface, plaster etc. as directed by EIC. (for UPS room, Pantry area, Toilets, etc.) <i>Approved make: Atomberg Effico 150 mm BLDC motor Energy Saving</i>	Nos.	5		
12f	20 W LED T5 tube light Wall/ceiling mounted light fittings (in record room, toilets, back gallery, stationery room, UPS room, electric room, over entrance, etc.)	Nos.	24		

12g	LED strip light of requisite colour.	mtr	120		
13	<b>MAIN (SERVICE) CABLE:</b> Supply and installation cable from electric meter to LT Panel with 4 core 120 sqmm flame proof PVC insulated aluminium conductor armoured CABLE of 650/1100 volts grade with required 12 SWG GI earth wire including making all the connections, including cutting chases and making good the surfaces wherever required.	MTR	70		
14	<b>Glow Sign Board point wiring:</b> 2 x 6 sqmm + 1 x 4 sqmm multi strand PVC copper wire in PVC Pipes. This is to be connected to either one of SP or DP MCB of the Main Panel. Finolex/RR/Polycab	MTR	36		
15	TELEPHONE POINTs WITH TAG BLOCK, CALL SET & EPABX SYSTEM: Supplying, Installation, testing and commissioning of the telephone point at individual counters with the followings - Providing and fixing 40 pair KRONE make telephone tag block with 40 pair module with termination and crimping complete and making good the surface as required/ directed alongwith EPABX System (Minimum 60 ports (expandable) with 4 Analog Extension lines, 04 CO/trunk lines expandable to 08, provision for IP/VOIP extensions, CLI on all extensions, direct inward dialling, direct outward calling, call forwarding, call waiting, least cost routing, operator console, call detail recording, hotline facility, digital EPABX main control unit with CPU, power supply and SMPS, 40 analog phones with CLI display, operator console, LAN connectivity, USB interface, Voip gateway, battery back up of 2hrs talktime. 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. HMS Pvc pipe on beam /column / wall / flooretc with all necessary materials i/c connections, identification by numbering etc complete as required as per I.T.D. specification. Single outlet with shutter modular type Telephone Outlets ( RJ – 11 ) with suitable size PVC modular boxes complete as required .	set	1		

	(Approved Panasonic/NEC/Matrix/Siemens/Cisco)	make:				
<b>TOTAL AMOUNT, B=</b>						

C. LOW SIDE AC WORKS

S. No.	Description	Unit	Quantity	Rate	Amount
1a	Extra Copper Pipe: Providing & Fixing Refrigerant copper piping system (one carrying cold refrigerant gas & other carrying warm liquid refrigerant) made out of hard drawn copper including accessories, jointing/brazing etc. laid between indoor & outdoor unit as per OEM's specifications duly insulated with Class "O" fire retardant sleeve type elastomeric nitrile rubber insulation. Alu. foil membrane shall be applied to provide resistance against breakdown due to UV radiation for exposed portion of the rubber insulation with Nitrogen testing (totally sealed - in case of proposed machine). It shall be in total clamping manner above false ceiling & in total concealed manner below false ceiling level. From the structural ceiling it should be hanged with suitable adjustable ring type hanger supports etc. or shall be fixed on wall / beam etc. with clamps & the distance between two clamps shall be less than 1 meter. It shall not be placed over the false ceiling nor shall it be fixed with false ceiling members. The diameter / gauge of the ref. pipe shall be as per the specifications of the Manufacturing company (OEM) only for each type of machine. Use only Long Bend to Avoid Pressure drop Copper pipe with insulation. Necessary opening on the wall / glass may be done finishing with cement plaster / new glass / sealant etc. a. For 1.5 / 2.0 tn AC	RM	70		
1b	Copper Pipe for 4.0 tn Cassette AC of suitable dia. as per OEM specification recommended by AC makes. Fitting to be done as specified in point 1a.	RM	150		
2	Drain Pipe: Providing & Fixing of insulated PVC drain lines with all necessary fitting accessories, Elbows, Tees, wall Sleeves etc. for various units in concealed manner below false ceiling level. It shall be laid required gradient for easy disposal of the drain water & testing shall be done before filling the zaries. The drain line shall not be laid in the floor. All drain pipes should be UPVC Heavy Duty	RM	180		

	of suitable size as recommended by manufacturing company and it should be connected to the nearest rain water pipeline/ as per the site condition. Necessary opening on the wall / glass may be done finishing with cement plaster / new glass / sealant etc.				
3	Extra Cable: Supply, installation, testing and commissioning of Cable from IDU to ODU with 3/3.5 core 2.5 sqmm unarmored copper cable. Necessary opening to be done on the wall / glass finishing with cement plaster / new glass / sealant etc.	RM	230		
<b>TOTAL AMOUNT, C =</b>					

<b>ABSTRACT OF FURNISHING WORKS OF REGIONAL OFFICE UDAIPUR</b>		
<b>S. No.</b>	<b>Works</b>	<b>Total Amount</b>
1	Interior/furniture Works	
2	Electrical Works	
3	Air Conditioning Low Side Works	
4	GST, 18%	
5	<b>Grand Total with GST =</b>	

Above amount is inclusive of 18% GST as applicable