

ई निविदा दस्तावेज E- TENDER DOCUMENT

भाग-II (प्राइस बीड) PART-II (PRICE BID)

(Rates to be filled in E-procurement portal)

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

शाखा आगर मालवा का इंटीरियर एवं इलैक्ट्रिकल कार्य
INTERIOR AND ELECTRICAL WORK AT AGAR
MALWA BRANCH



क्षेत्रीय कार्यालय इंदौर
REGIONAL OFFICE INDORE

PART-II (PRICE BID)

Rates to be filled in E-procurement portal

(TO BE SUBMITTED ONLINE ONLY)

BILL OF QUANTITY

BOQ FOR CIVIL & INTERIOR WORK (PART- A)				
Item Number	Item Title	Item Description	Item Quantity	Unit of Measure
1	DISMANTLING WORK	Dismantling of Partitions, furniture, electrical cable, wiring, brick work, Tiles if any & all other allied things as per drg's & instructions from Architect in-charge in phases or as required without affecting the functioning of Branch including the disposing of the dismantled materials as and when required.	0	Nos.
2	ACP CLADDING	Design, Supply , Fabrication and installation / Fixing of Aluminium 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 Aluminium 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 aluminium angle section or 50x25x1.6mm tube section running vertically or horizontally fixed to building structure through M.S clamps prefixed to masonry with suitable anchor fastener 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 aluminium grid tubes cleats, angles etc with metal screws. All hardware will be corrosion 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.	50	Sqft.
3	GYPSUM BOARD FALSE CEILING WITH PAINTING	Providing and fixing suspended false ceiling consisting of 12.5mm thick Gypsum board (India Gypsum) suspended on GI framework (India Gypsum). GI framework to consist of GI perimeter channels 0.55mm thick 20mm x 30mm along perimeter of false ceiling of ceiling, screw fixed to wall/partition with nylon sleeves and screws @ 600mm c/c. Suspending GI intermediate channels of size 0.9mm thick 45mm x 15mm from the soffit at max dist 1220mm c/c with ceiling angle 0.55mm thick 25mm x 15mm fixed to soffit using proprietary supplied GI cleats and steel expansion fasteners. Boards to be finished with proprietary supplied jointing tape and jointing compound and sand papered to achieve a smooth and seamless finish and 2 coats of primer alongwith coats of Acrylic paint suitable for Gypsum board upto Bank's Satisfaction .Rate quoted to include overhang, projection all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect. Only horizontal Measurement will be taken.	528	Sqft.

4	GYPSON DROP CEILING	Providing an fixing false ceiling vertical drops and curves as per design with the same specification as above item	50	Sqft.
5	GRID FALSE CEILING /Modular False ceiling	:Providing and fixing suspended false ceiling consisting : approved make MODULAR CEILING of size 2'-0" x 2'-0", 15mm thick. Tile: equivalent to Classic Lite RH 99 Bevelled Tegular; Suspension system Silhouette 15 False ceiling will be measured on horizontal plane only. Horizontal plane measurements are to be inclusive of all vertical drops, edge mouldings, fascias, etc.Rate quoted to include all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect. Rate quoted to include cost of providing support framework formed of perimeter channels for fixing light fixtures, AC grills/diffusers etc. Also to provide concealed perimeter channel support as required to support modular grid ceiling sections at junction between gypboard false ceiling and modular grid tile ceiling.	472	Sqft.
6	P/F SOLID WOODEN/ AL SECTION PARTLY GLAZED PARTITIONS	P/F SOLID WOODEN/ AL. PARTLY GLAZED PARTITIONS made out of Aluminum cross section (16 gauge 2" x 2" size Al box section) or salwood section (size 2"x1 1/2") of framework 2'-0" c/c vertical and in 1'-6" c/c horizontal direction treated with ANIT-TERMITE & FIRE RETARDANT solution, covered with 8 mm thk BWR/BWP grade ply wood / partly glazed (8mm thk. clear float glass fixed with 1.5"x1" teak wood beading finished with melamine polish) with approved design, shape & shade 1mm thk laminate/mica fixing on inside of panel with 1.5 mm thk grooves in panel as per the design with provision of the openings in the panel for switch boards, box and cuts in frame for carrying conduits if necessary and fixing 1.0 mm laminate on the outside face of shade and colour as per Bank's colour scheme given in the tender specification or as directed with 8 mm glass to be given in the design. The open edges are to be blocked by teak wood bead with polish of required size (3"x3/4") and design. All provisions to be made for all electrical, networking boxes onto partition framework at required heights/levels with necessary additional supports as directed.	180	Sqft.
7	LOW HEIGHT PARTITION	P & F low height (3'-0" to 4'-0")partly glazed partition with 3'-0" ht. wooden partition and 1'-0" ht. 12 mm thk. clear float glass above the wooden portion fixed with 1.5"x1" teak wood beading finished with melamine polish. The exposed edges of the glass to be finished in pencil polish. Rate includes P&F wicket gate with all necessary fittings, beading etc. as required. All other specification are same as above item.	100	Sqft.

8	CEMENT BOARD PARTITION FOR UPS ROOM & SERVER ROOM	P&F full height double skin partitions in UPS room with frames of 50mmx50 mmx1.5mm thick Aluminium section framework at 600 mm c/c. (intervals of 2'-0" x 2'-0" c/c with provision of bigger members at skirting, fixing to door frames), etc, and covered with 8 mm thick BWP Plywoodb(outer side) of approved make covered with various finishing layers as per design and details including outer side with 1 mm thick laminate & inner side with 12mm Calcium Silicate Board /Cement board . The boards are to be fixed to the frame work with joints staggered to avoid through cracks to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and one coats putty, two coats of primer and two coats of lustre paint suitable for board as per manufacture's specification and direction of engineer in charge all complete, suitable anchor fastener or metal screws with nylon plugs . All doors including sliding doors / openable doors, with all fittings including ISI Marked Floor Springs, Hinges, Bolts, etc., shall be included in the same price.All items necessary for completing the above mentioned work are deemed to be included in the scope of work, whether or not they are specifically mentioned in the B.O.Q / tender documents / drawings.	120	Sqft.
9	TOUGHEN GLASS DOOR	Providing and fixing of 12 mm thk toughen glass doors with below fixtures of approximate size 900x 2100mm for single door and 1800x 2100mm for double door.	25	Sqft.
		Door Lock		
		Door stopper		
		Floor Machine		
		Patch fitting		
		S.S. Handle 12" long		
10	FULL HEIGHT 12MM THK. TOUGHEN GLASS PARTITION	P/F 12 mm thick glass full height glass embedded in aluminum anodized sections if required all around for external facade glazing. Anodizing to be Natural Finish shade. (on special cases, subject to approval).(Frame work: min 2-1/2" X 1-1/2" X 16 Gauge anodized Aluminum cross section) The works includes fixing of glass with Top & Bottom surfaces with proper support/frame.	23	Sqft.
11	LACQURED GLASS WORK	Providing and fixing in position 10mm toughened lacquered glass of desired color for glass partition. The work to include making necessary template for all the glasses and then cutting the glass to correct size, making all necessary holes, cuts etc. and then toughening the same. The cost to include all hardware required viz. single corner patch, bracket etc. The approx size of each glass be 1950mm x 450mm to 1200 mm as per site conditions. The reate is for a finished item of work etc. complete as directed.	0	Sqft.

	WOODEN FLUSH DOOR	Providing and fixing Solid flush door of approved make made out of 35mm with both side laminate finish with necessary fitting with door closer provision . All material is of approved brand. Providing and fixing single leaf solid core flush door 40mm thick factory made of following size, finished on both sides with 1.0mm thick laminate of approved shade as indicated in drawing. Shutter to be lipped on all sides with 12mm thick teak wood beading. Applicable hardwares to be considered for following doors according to requirement as per detailed drawings including below mentioned hardware-Door closer, SS Ball bearing Hinges, SS foot operated Door stopper, SS Mortise Latch Lock / concealed dead lock, SS Mortise Handle. Rates are inclusive of 8mm thk. glass vision panel as required.		
12		Size 900 x 2100mm	2	Nos.
13		Size 750 x 2100 mm	1	Nos.
14	WOODEN WALL PANELLING	Providing and fixing panelling on wall/column paneling with using 19mm BWP/BWR ply to consist of 37.5mm x 50mm treated salwood framework or Aluminum Sections (16 gauge box section) at spacing not exceeding 600mm bothways (horizontal and vertical). Paneling framework to be secured to wall surface/column surface. Paneling framework to be clad on one side with 8mm thick BWR/BWP grade ply finished with 1.0mm thk laminate including border / skirting of 100mm high & 1.5 mm x 1.5 mm groove at border/ skirting level. The open edges are to be blocked by teak wood bead with polish of required size (3"x3/4") and design.	220	Sqft.
15	ACOUSTICAL WALL PANELLING	Providing , making and fixing in position Armstrong 'Optra Acoustical wall panelling or equivalent with panels of 600mm x 600mm, 25mm thick as per following specification: a) The support system comprises of 4 nos. wall panel impalers fixed to the wall surface using self tapping screws, silica based construction adhesive to be dabbed on to the projecting elements (spikes) of the impalers. Optra wall panel shall be pierced through the spikes of the ompalers esuring and maintaining the line and level of the panels. b) The panels to have square edges made of fibre glass sustrate 25mm thick and wrapped on the front side with an acoustically transparent and classified for Fire reaction class B-s1, d1 ans per EN13501, fabric with an option of various colors, as per the choice providing a minimum sound absorption level of 0.90NRC to be affixed to wall using wall panel impalers and construction adhesives as per the instructions laid by the manufacturer.	0	Sqft.
16	PANELLING WITH WPC PANELLS	Providing and fixing panelling on wall and ceiling with WPC fluted panells of size 2950mm x 195mm x 27mm of Leben/Alufuff/ Murrato or other approved make of approved shade in approved pattern as directed by the Architect. Rates shall be inclusive of all accessories, hardware fitting and fixtures as required to fix the same on the wall and ceillings including corner beading and fasteners.	0	Sqft.
17	PANELLING WITH LECQUERED GLASS	Providing and fixing of panelling with or without frame so as to receive a plain and even surface in exact plumb line, covered with 8/ 9 mm thick BWR grade ply and finished woth 6mm thick tempered lecquered glass of approved shade and make as per design. The glass should be fixed with white vinyle film containing the Bank's logo, full name and also the Branch/ Office name at the centre as per design and as deirected by Architect in approved style and pattern.	0	Sqft.

18	WOODEN BOX	Wooden boxing for rolling shutter boxing etc. made up in 19mm thk Marine plywood/ Exterior grade Bison Panel frame painted as per Architects approval. Laminates will be similar as partition. Measurement to be considered for all exposed faces.	30	Sqft.
19	ELECTRICAL PANEL BOXING	Providing and fixing the 1'-6" wide panel boxing properly sized to accomodate meter/ panel made in 19mm BWR grade plywood (fire resistant) and finished in laminate of approved shade. This also includes providing necessary hardware like handles, hinges, locks, tower bolts etc of approved make. All exposed wooden surfaces to be finished with 19x5mm suitable wood beading. Double door shutters shall have holes/ perforated for proper ventilation. Only front face shall be measured for payment purpose.	80	Sqft.
20	FROSTED FILM	Providing and pasting frosted film (3M, Garware make) on glass work including Bank's logo/ branding as required & as directed by the Bank/Architect.	40	Sqft.
21	VERTICAL BLINDS	P/F Blinds 100mm wide blinds made using with extruded powder coated headrail housing control units, spacers, runners, tilt rod with reduction gear mechanism, tilt control for rotation of 180 degree louvers made of approved fabric/ color scotch guard coating and bottom mechanism of powder coated galvanized steel with required compoments.	0	Sqft.
22	CHEQUE WRITING DESK	Writing desk made of 19mm plywood shelves with same wood beading as above. Witing ledge to have facility of pegion holes of 6" depth beneath to place the payin/ payout slips etc. The table top shall be of 12mm thick plain glass fixed with SS studs. Desk size 3'-0"(w) x 3'-9"(h) x 1'-0"(d)	1	Nos.
23	COMPLAINT BOX AND CHEQUE DROP BOX	(2'-0" x 2'-0" High X 10" deep) Providing and fixing complaint boxes made out of 19mm thk. Commercial plywood grade I finished with 1mm thk. Laminate. Slit should be provided to drop cheques and opening provided with locking arrangement to remove cheques, complete in all respect.	2	Nos.
24	NOTICE BOARD	Providing and fixing notice board of in ply board of 6mm fixed on a frame of 50 mm x 25 mm well seasoned wood polished and top fixed with bead. 12mm thk. Soft board cladded with fabric of matching colour and shade complete with all fixtures necessary as required.	12	Sqft.
25	WHITE BOARD	Providing and fixing WHITE board of 4'-0"X2'-6" outer edges finish with aluminium anodized section.	10	Sqft.
26	DRESSING TABLE(Strong Room):	Providing & supplying dressing table with mirror of size 1'-0" x 5'-0" including sitting desk of for locker room as per standard design of locker room / dwg	1	Nos.

	OFFICER/ CUSTOMER SERVICE ASSOCIATE DESK	Providing & fixing Officer tables as per design, of 2'-6" ht, and of below mentioned size. Two of the corners/edges will be curvilinear in shape. The counters shall have the provision to adjust the key board on telescopic channels, drawer unit, metallic CPU trolley with castors, cable manager and sal wood foot rest (3"X1.5") with painting. The tables shall be made of 19mm thick BWR/BWP ply wood, with teak wood half round beading of size 20 x 12mm, duly polished. All vertical supports front apron and gable ends of table are to be made out of same 19mm thick BWR/BWP ply wood. The counter shall be finished with 1mm thick laminate of approved shade / colour, complete with all necessary hardware such as 100 mm 'C' type S.S.handles, magnet catchers, brass hinges, locks, etc. as per Bank's approved brand/make. Inner surfaces of the table, counters etc. to have 0.8 mm laminated finish. Drawer unit of size 1'-2"(clear internal width) x 1'-6" x 2'-3"ht.) consisting of 3 nos. of drawers, to be made of 19mm thk. plywood with matching laminate finish with heavy duty telescopic slides. Rate will inclusive of providing plastic shoes and fixing 19x5mm suitable wood beading or 2mm thick PVC edge banding as per direction to all exposed edges etc. Skirting it to be done with approved color laminates. The top shall have float glass of below mentioned size as per table top shape with hole for cable manager with pencil polish edges.		
27		Desk size (4'-6" x 2'-6"x 2'-6" ht.) with 8mm glass top	1	Nos.
28		Desk size (5'-0" x 2'-6" x 2'-6" ht.) with 8mm glass top	4	Nos.
29		Desk size (6'-0" x 3'-0" x 2'-6" ht.) with 12mm glass top	1	Nos.
30		Extra for Providing and fixing front partition of SWO counter above the working top (from 2'-6" to 4'-0" ht.) with one no. of 12mm thk toughened float glass leaving 2" gap above working top. The toughened glass shall be fixed to the side partition by means of 'D' SS bracket as required/directed.	5	Rft.
31	LINEAR COUNTERS	Providing & fixing Server/Cash/ SWO / Officer counters as per design, of 2'-6" ht and of 2'-0" width. The counters shall have the provision to adjust the key board, drawer, storage complete shelf for CPU at bottom, cable manager and foot rest (3"X1.5"). The counters shall be made of 19mm thick BWR/BWP plywood, with teak wood half round beading of size 20 x 12mm, duly polished. The counter shall be finished with 1mm thick laminate of approved shade / colour, complete with all necessary hardware such as 100 mm 'C' type S.S.handles, magnet catchers, brass hinges, locks, etc. as per Bank's approved brand/make. Inner surfaces of the table, counters etc. to have 0.8 mm laminated finish. Drawer unit of size 1'-2"(clear internal width) x 1'-6" x 2'-3"ht.) consisting of 3 nos. of drawers(at every 4'-6" length of running counter) to be made of 19mm thk. plywood with matching laminate finish with heavy duty telescopic slides. Rate will include providing plastic shoes and fixing 19x5mm suitable wood beading or 2mm PVC edge banding as per direction to all exposed edges etc. Skirting it to be done with approved color laminates.	5	Rft.

32	CASH CABIN PARTITION	Providing and fixing the intermediate, front, and rear partition of cash cabins which shall be of same specification as Solid wooden partly glazed partition but upto 7'-0" ht. with 12mm thk toughened glass. Glazing starts from 3'-9" upto 6'-6" with pencil polish edges. The front portion shall have customer top of 1'-3" wide ledge projecting 6" on customer side at a height of 1'-3" above the desk/ working top thus making 3'-9" ht. from the finished floor level. Providing cutout of size 12" x 4" at the central bottom part of glass at transaction top level so as to allow transactions. Providing 6" dia hole at the height of 4'6" from finished floor level so as to allow conversation between cashier and customer. The side intermediate partition shall have an opening of 8" x4" in the partitions at 3'-0" level with the ledge of 1'-0" wide projecting 6" both side. Rate includes P& F wooden door of size 2'-0" x 6'-6" at rear/ side partition with necessary fitting i.e. lock, latches, door handles, door closer, stopper etc. Skirting it to be done with approved color laminates.	90	Sqft.
	SIDE CREADENZA	Providing, Constructing and Fixing credenza should be made out of 19 mm thk BWR/BWP Plywood box type in nature. 1.0 mm thk approved laminate to be stuck to all exposed surfaces, complete finished with golas/margins, 4" S.S.handles, brass hinges, locks and magnetic catchers, etc. Storage should have side hung shutters. The unit to have 3" covered skirting with approved laminate. The overall size of the unit shall be 2'-6" in ht and 18"/15" deep as per design. The unit shall have intermediate shelf. Inner surfaces of the units etc. to have 0.8 mm laminated finish.		
33		3'-6" X 1'-6" X 2'-6"	0	Nos.
34		4'-6" X 1'-3" X 2'-6"	0	Nos.
35		3'-6" X 1'-3" X 2'-6"	2	Nos.
36		3'-3" X 1'-3" X 2'-6"	0	Nos.
37		3'-0" X 1'-3" X 2'-6"	1	Nos.
38	FILE STORAGE CABINETS	Providing and fixing the 1'-6" wide storage units. The storage units shall have shutters made in 19mm BWR grade plywood and finished in laminate of approved shade including top. The storage units shall have intermediate shelves made in 19mm thick plywood with matching wood lipping as desk. The storage shall have matching wood edge moulding as per the detail drawings. This also includes providing necessary hardware like handles, hinges, locks, tower bolts etc of approved make. All exposed wooden surfaces to be finished with 19x5mm suitable wood beading. (same for Over Head storage required above counters/ low ht. storage)	100	Sqft.
		TOTAL		

BOQ FOR ELECTRIFICATION AND ALLIED WORKS (PART B)

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure
		POINT WIRING		
		The rates for the point wiring shall include providing and fixing of following:		

		Wiring of the point of any length from distribution board to point outlet including circuit wiring (i.e from DB to Switchboard)		
		Earthing of all switch box and all outlet boxes fitting, fans, 3rd pin of plug with 1.50mm copper wire.		
		Modular Switch/ Sockets of Standard make with necessary modular series cover plate and MS Boxes		
		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 .		
		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.		
		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 MMS grade-PVC conduit concealed/ exposed including switches & sockets as above.		
		LIGHT :(Maximum three points to be looped from primary)		
		POWER:(Maximum TWO points in one circuit)		
		The Electrical Connection for Strong room/ locker room shall be taken Separately with an extension wire from Door with plug and the same to be connected to switch socket outside the room.		
	POINT WIRING	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 holder etc including 1.5 sqmm PVC insulated copper earth wire etc complete as required. Wire colors : Red, Black, Green .Supplying, providing wiring (supply, fixing, testing and comm. etc) for circuit with 2 x 2.5 + 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/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed		
1		Providing and fixing Primary light point	55	Nos.
2		Providing and fixing Secondray light point(Maximum three points to be looped from primary)	5	Nos.
3		Plug point /ceiling Rose Point (for wall fans,Exhaustfan): Supply, fixing and commissioning of 1 No 6A multi Socket 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.	0	Nos.
4		P&F bell point i/c of buzzer	1	Nos.

5		6 AMP. POINTS ON SAME BOARD(Half point) :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 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.	5	Nos.
6		Ceiling fan point (rate should include electronic fan speed regulator)	4	Nos.
7	16 AMP. POWER POINTS:(including circuit wiring)	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 I/c electrical wiring with 2 X 2.5 sqmm + 1 X 1.5 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 to destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	13	Nos.
8	AC POINTS :(including circuit wiring)	Supply, Installation, Testing and commissioning of the surface / recess mounting distribution board with 20 A Metal plug and socket, with 20 A/25A/32A SP MCB Incl. wiring with 2 X 2.5 sq mm + 1 X 2.5 sqmm 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.(MCB of C-Curve with S.C Capacity 10 kA)	5	Nos.
	MAIN PANEL/VTPN(4 WAY)	Supply, installation , testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board wall mounted fabricated with 14swg and 16swg of CRCAM.S.sheet duly painted with two coat of metal red oxide and two coat of fire resistance paint at inside and out side of the panel, bus-bar chamber ,outgoing switchgear etc (all feeder unit Would be compartmentalized), color coded PVC sleeved vertical / horizontal busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket , hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / mccb / mcb or where ever required, two earthing terminal busbar of size 25 x 5 mm with nut & bolts at out side of the panel , rating and name plates for all incoming & outgoing , two eye two nos eye bolts,wire mesh jali for ventilation etc comprising with the followings.		
		NOTE:-		
		Sheet 16 swg : panel sides,upper,lower,andFt.doors		
		Sheet 16 swg : back side and compartments.		
		Glandplates : 3 mm thick.		
		Cable entry : Provision at bottom and upper sides.		
		Inside the panel : white colour paint.		
		Outside the panel : Grey colourpaint.or as directed.		

		INCOMER		
		1 Nos 125 Amp MCCB, 25 KA- 4 Pole,C-curve		
		1 Nos – 150 A TPN insulated Cupper Bus Bar		
		Set of Indicator Lamps		
		Set of Voltmeter + Ammeter+ Selector Switch		
		OUTGOINGS		
		3Nos- 63 Amp TPMCB,C-curve		
		1 No-100 A TPMCB,C-curve		
		1 No-25 Amp TPMCB,C-curve for Glow Sign Board and external lights		
		1 No.-100A TPMCB C-curve load Changeover		
		SET AS ABOVE		
9			1	Nos.
	SFU TPN WITH HRC FUSES	SFU TPN 125 A with HRC fuses(just after meter and prior to Main Panel)		
10			1	Nos.
	LIGHT DISTRIBUTION BOARD	Supply, Installation, Testing and commissioning of the surface / recess mounting following way TPN MCB three phase distribution board for single phase outgoing with IP 42 protection 4 way TPN DB IP 42, Double door		
		INCOMER		
		1 No. TPN-RCBO/ELMCB 40 Amp ,100 ma sensitivity		
		OUTGOINGS		
		6-10 Nos SPMCB 6/10/16 Amp,B-Curve		
		incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.		
11		SET AS ABOVE	1	Nos.
	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 4 way TPN DB IP 42, Double door		
		INCOMER		
		1 No. TPMCB 63Amp ,C-curve		
		OUTGOINGS		
		10-12 Nos SPMCB 16/25/32 Amp,C-curve		

		incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.		
12		SET AS ABOVE	1	Nos.
	UPS DISTRIBUTION BOARD	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 DP MCB		
		OUTCOMER		
		2 Nos- 40Amp DP MCB,		
	b	UPS DB outgoing		
		1 no. 12way SPN DB		
		1 no. 40Amp DPMCB		
		6-8 nos. 6/10amp SPMCB		
13		SET AS ABOVE	1	Nos.
	SPECIAL POINTS: (UPS) any length(TO WORKSTATIONS)	Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate , sheet steel box etc on surface / concealed manner I/c electrical wiring with 2 X 2.5 sq mm + 1 X 2.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in rigid 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.		
14		1 Nos. 16 A Switch + 3 Nos. 6/16 A, 5 pin Socket.	14	Nos.
	EARTHING WORK	Preparation of the Earth station : (as per I.S. 3043-1987)		
15		Supplying and erecting earth pit of minimum bore dia. 150mm size , approved make Safe Earthing Electrode consisting Pipe-in-Pipe technology as per IS 3043-1987 made of corrosion free G.I. Pipes with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for effective and maintenance free earthing, with 3 mtr. G.I. Pipes having outer pipe dia of 50mm having 80-200 micron galvanizing, Inner pipe dia. of 25mm having 200-250 Micron galvanizing, connection terminal dia.of 12mm in nominal soil with 50 kg (Two Bag) Back filling Compound.	2	Nos.
16		Supplying and laying 25 X 3 mm copper strip direct on wall/ in ground with screws and washer including soldering / welding etc if required.	3	Mtrs.

17		Supply and laying of 6.0 sqmm PVC insulated copper wire from earth station to main panel board in 20 mm GI Pipe including all materials, accessories etc complete.	30	Mtrs.
	L.T.CABLES	Supply,laying ,testing and commissioning of the following 1100 volt grade flame proof 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.		
		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		
18		4 C x 10.0 sqmm armored copper cable with 10 SWG 2 Nos G.I. wire for DBs	20	Mtrs.
19		4 C x 16.0 sqmm armored copper cable with 10 SWG 2 Nos G.I. wire for Electric room /Ups room and ATM	30	Mtrs.
20		3.5 C X 70.0 sqmm. Al. Armored .(with 10 SWG 2 Nos. G.I. wire) from ELECTRIC METER to MAIN PANEL	5	Mtrs.
	TELEPHONE WIRING/ CABLING WORK	Supplying, Installation, testing and commissioning of the telephone point with the followings -		
		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.		
21		Double outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size PVC modular boxes complete as required .	1	Nos.
22		Single outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size PVC modular boxes complete as required .	1	Nos.
23		Providing and fixing 50pair KRONE make telephone tag block with 20 pair module with termination and crimping complete and making good the surface as required/ directed.	1	Nos.
24		Providing and fixing 10 pair armoured tinned copper telephone cable in 32 mm PVC conduit from telephone utility junction box	10	Mtrs.
	DATA CABLING WORKS	COMPUTER POINT : I / O's : Supplying, Installation, testing and commissioning of the Computer point with the followings - (D-Link or equivalent)		
		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. (from server room switch to I/O outlet). 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.		
25		Single outlet with shutter modular type I / O's Outlets (RJ – 45) with suitable size PVC modular boxes complete as required	8	Nos.

26		Supply and Installation of following factory fabricated patch cords (STP-CAT 6) complete with connectors and boots on both sides. (Two Meter length)	8	Nos.
		Supply and fixing of		
27		15U Rack 3 side open	0	Nos.
28		9U Rack 3 side open	1	Nos.
29		16-part Cat6 unshielded wallmount or Rackmount Patch Panel	1	Nos.
30		Patch cord Cat-6, 1 meter B/Y color	8	Nos.
	LIGHT FITTINGS	Supply, fixing, testing and commissioning of Recess/Surface mounted decorative luminaire with LED FIXTURES with class I electrical safety, complete as required Fitting Dimensions :		
31		18-30 watts,Minimum 2800 lumens LED size 600X600(Approx.) : CRI>80,PF>0.9 Equivalent Model: Philips RC 380 (LED 'FULLGLOW' series)	20	Nos.
32		10-12 w ,Minimum 1000 lumens LED ROUND DOWN LIGHTER Diameter 110-165mm,CRI>80,PF>0.9 Equivalent Model: Philips 10 S DN 097B/092B (GREEN LED Ultima series)	27	Nos.
33		18-20 w led batten Light of 4'-0" LENGTH min. 1900/2000 Lumens	9	Nos.
34		LED COB Light: 6-8 w ,Minimum 500 lumens LED COB light with CCT of 3000K . Model: Philips Sky COB or equivalent	0	Nos.
35	WALL BRACKET FAN	Supply and fixing of the following fans Wall bracket fan white (400mm blade size)	8	Nos.
	CEILING FAN	Supply and fixing of Ceiling fan of below details.		
36		Supply and fixing of CEILING FAN 1200 MM Sweep (5 Star BEE Rated)	4	Nos.
37		Supply and fixing of CEILING FAN 900 MM Sweep (5 Star BEE Rated)	0	Nos.
38	EXHAUST FAN	Supply and fixing 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. Supplying & fixing of 300 dia Exhaust fans	3	Nos.
	AIR CONDITIONING WORK (LOW SIDE WORK ONLY)			
		Low side work of Air Conditioner supplied by Bank as mentioned below		
39		Supplying & Laying suitable Copper refrigerant piping with all required material.	60	Mtrs
40		Supplying & Laying suitable PVC Drain piping with all required material.	40	Mtrs
41		Supplying & Fixing suitable MS Stand with Cage with locking arrangement for 1.0tr/ 1.5 tr/2 tr AC outdoor	5	No.
42		Supplying & Laying of power cable from indoor to outdoor suitable for 1.5 tr /2 tr load/AC	60	Mtrs

43	DIGITAL TIMER FOR AC	SITC OF digital timer with 4/ 8 hr option suitable for 1.0tr/ 1.5 tr/2 tr load split AC	1	Nos.
44	STABLIZERS FOR AC	SITC of Stablizers "V-Guard" Make suitable for 1/1.5 tr /2 tr load	5	Nos.

ABSTRACT**SUB: INTERIOR AND ELECTRICAL WORK AT AGAR MALWA BRANCH**

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

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

**Seal & Signature
of Firm,**