

BOQ FOR THE PROPOSED WORKS OF INTERIOR FURNISHING OF UCO BANK GRAM PIPLIYAHANA , TILAKNAGAR BRANCH ZONAL OFFICE AT INDORE (M.P.)						
	BRANCH DETAIL:			GRAM PIPLIYAHANA , TILAKNAGAR		
PART-I:INTERIORFURNISHING						
S.N.	Description of Item	Unit	Qty.	Rate	EST Amount	
A	Gypsum Board False Ceiling					
1	Providing and fixing and finishing Gypsum Board False Ceiling as per drawing made from 60mm x 36mm G.I. 'C'main supports suspended from the ceiling by means of 25mm x 18 mm G.I. suspenders fitted to the ceiling above with anchor fasteners and rowl plugs in concrete ceilings and other suitable approved means on all other type of ceilings as required and as per design, having pattas /concealed coves as indicated in drawings. Fixing 11- 12.5mm thick gypsum board on GI channels using good qualityself-tapping screws, finishing and jointing two boards with adhesive and jointing tapes finished complete in lines and level including providing coves, cut-outs for light fittings and extra frame work as necessary for AC grills and/or any other cutouts etc. complete in all respects. Quoted rate to include cost of making opening for light fittings, grills, diffusers, coves for fitting of diffused lights etc. as required and making good the same. Cost of additional frame required and/or as directed shall also be included in the rate). It may be noted that the vertical surfaces shall also be measured for payments and the quoted rates should take in to account this area. Painting shall be paid separately under the relevant item. <b>NOTE:</b> It should be noted that the existing ceiling height is approx. 2.74m TO 3.35 Meter from floor. The contractor should study the site conditions before quoting the rates. No extra costing shall be allowed over the measured false ceiling for scaffolding etc.	Sqm	25			
2	Armstrong False Ceilings					
	Providing & fixing of Armstrong Mineral Fibre Acoustical Suspended Ceiling System with <b>silhouette ceiling grid</b> (Tegular) GRID BLACK COLOUR . The tile should have Humidity Resistance (RH) of99%, NRC 0.5, Light Reflectance ≥84%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) in module size of 600x600x16mm with Bio Block coating on the face of the tile, suitable for Green Building application ,with Recycledcontentof35-38%.ThetileshallbelaidonArmstrong Prelude32 with 24 mm wide T - section flangescolourwhitehavingrotarystitchingonallTsections.e.th eMain Runner, 1200 mm & 600 mm Cross Tees with a web height of 32 mm and 27mm ,25 mm respectively. The cost shall include all fittings and materials, scaffoldings, walkways etc. complete including proper installation and provisioning etc.NOTE: It should be noted that the existing ceiling height is 2.74m TO 3.35 Meter from floor approx. but partition height shall be measured up to visible false ceiling height and required stiffening, support or false ceiling members shall be provided as and where required. The contractor should study the site conditions before quoting the rates. No extra costing shall be allowed over the measured false ceiling for scaffolding etc.or any other site related account.	Sqm	85			
3	Providing and fixing coves for lighting in any shape	Rmt.	50			

PART-I:INTERIORFURNISHING						
S.N.	Description of Item	Unit	Qty.	Rate	EST Amount	
4	Low level partition for cubical					
	Providing and fixing low height partition up to 1200MM height made out of 50 mm*50mm 18mm Gauge aluminum frames at 60CM C/C vertically & horizontally with 8mm thick BWR Grade plywood on both sides up to 900MM' height and above portion with 10mm toughened glass Finished with 1.00 thick laminate of approved shade and design. Teakwood lipping etc shall be provided where required or directed and shall be finished with 1mm thick textured laminate as approved and the rates shall be including provision for items like soft board/whiteboard, electrical switch boards, telephone and electrical wiring etc as and where required (but excluding the cost for the items). Plywood Make : Century / Green as per bank norms Mica : Formica, Sunmica , century as per bank norms	Sqmt	12.0			

5	SEMI GLAZED PARTITION WITH DOOR , ( Manager , CASH Cabin )				
	<p>Providing &amp; fixing 75mm thick partly glazed partition with 10 mm thick clear float glass for made up of 18 gauge 50x50 mm Aluminum section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm BWR grade plywood &amp; 1 mm laminate from both sides. Partition should be finished with specified finish as per design. The rate includes providing 35 mm thick flush door finished with 1mm laminate of approved make/shade on both sides with necessary lipping patti polished. Rate includes all necessary hardware ( i.e ball bearing hinges of approved make, door closure, Cylindrical Lock with key, Door stopper etc) Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &amp;/or scaffolding as required. The rate includes all necessary hardware &amp; cleaning of partition to the satisfaction of the Architect etc. complete. The cash front partion having cut in glass as per design , and there is a provisoin of cut on side partition for passing the diary as per design etc. complete.</p> <p>No extra costing shall be allowed over the measured false ceiling for scaffolding etc. or any other site related account.</p> <p>Plywood Make : Century / Green as per bank norms Mica : formica, Sunmica , century as per bank norms</p>	Sqmt	23		
6	STORAGES				
	<p>Providing and fixing full height storage cabinets as storage and/or runners from 450 mm depth in 18mm thk. ply construction with 8mm thk. Bwr GRADE .ply backing complete as per detail/ specifications with horizontal &amp; vertical divisions and drawers as/detail.</p> <p>hollow shutters 30mm thick should be fixed on SS heavy hinges Storage units with good quality of lock should be fixed.</p> <p>The rate shall include all TW lippings, lamination of partitions, shutters shall have wooden lipping /and finished with 1mmthick Textured Laminate As per bank norms on outer face of the shutter and the shutter edges, storage top and all exposed faces of the storage . Inside of storage andshutter shall be finished with laminate in matching or plain colour, as required. The handles &amp; hinges will be ss finish or as/as/app. &amp; shutters shall be on ebco self closing hinges and drawers shall be on ebco telescopic slides. Size 2.1 x 2.7x0.45 mt.</p> <p>Plywood Make : Century / Green as per bank norms Mica : formica, Sunmica , century as per bank norms</p>	Sqmt	34.00		

PART-I:INTERIORFURNISHING					
S.N.	Description of Item	Unit	Quanti	Rate	EST Amount
7	<p>Providing and fixing Cabinet for Electrical Panel/ Distribution Board (for DBs outside electrical room only) from 400mm to 600 mm depth in 18mmthk. ply construction on open back (without 8mmthk.ply backing) fitted on al. framework (cost included) to complete as per detail/ specifications.</p> <p>hollow shutters 30mm thick should be fixed on SS heavy hinges Storage units with good quality of lock</p> <p>The rates hall include all TW lippings, lamination etc. complete. The shutters shall have wooden lipping/ and finished with 1mmthick Laminate as per norms on outer face of the shutter and the shutter edges and all exposed faces of the storage. In side and shutter inside faces hall be finished with economical laminate 0.8mm thick in matching or plain colour, as required. The handles &amp; hinges will be s s finish or as/as/app. &amp; shutters shall be on ebco self closing hinges.</p> <p>Plywood Make : Century / Green as per bank norms Mica : formica, Sunmica , century as per bank norms</p>	Sqmt	1.8		
D	Tables				
8	<p>Providing and fixing Executives BM Table having a top of approx size Length upto 1.8M x Width 0.9m and 750mm height with provision for glass top of thickness 12mm excluding runner. The table shall be made in 18mm ply construction with C.P.U. space, single drawer and cabinet , foot rest below as per design and drawing. The table edges shall be double thick and all visible surfaces including table tops facia of drawers and outside of shutters etc. shall be finished with 1.5mm thick SF/Textured Laminates as per bank norms , the bottom and inside of table shall be finished with 1mm thick laminate of approved make, colour and design and all hidden are as like inside of drawers, cabinets, finished with economical laminate. The cost shall be complete with lippings ,lock, telescopic drawer channels, accessories, hinges etc as per specifications. The glass shall have plain diamond edge polish on all four edges&amp; hole for wire manager NOTE: The cost shall include fixing 12mm glass, etc.</p>	No.	1		

9	<p>Providing and fixing officer Table having a top of approx size Length are mention below . The table shall be made in 18mm ply construction with C.P.U. space, single drawer and cabinet , foot rest below as per design and drawing.</p> <p>The table edges shall be double thick and all visible surfaces including table tops facia of drawers and outside of shutters etc. shall be finished with 1.5mm thick SF/Textured Laminates as per bank norms , the bottom and inside of table shall be finished with 1mm thick laminate of approved make, colour and design and all hidden are as like inside of drawers, cabinets, finished with economical laminate.</p> <p>The cost shall be complete with lippings ,mouldings, telescopic drawer channels, accessories, hinges etc as per specifications. good quality of lock on drawer should be provided The glass shall have plain diamond edge polish on all four edges&amp; hole for wire manager</p>				
	i) 1.5 M x 0.75M x 0.75M ( L x B x h )	Nos.	4		
	ii) 1.37 x 0.6 x 0.75M	Nos	1		
	iii) 1.05x 0.6 x0.75	Nos	2		
10	<p>Providing &amp; fixing in position column &amp; wall paneling made over 38 x25 mm th. Aluminum batton used as frame at 60x60 cm interval with 12mm ply of BWR grade duly finished with 1mm th. Mica .. All exposed teak wood part should be finished with melamine polish etc. complete as per architect</p>	Sqmt	35		

PART-I:INTERIORFURNISHING					
S.N.	Description of Item	Unit	Quantity	Rate	EST Amount
11	<p>Fabrication of Aluminum Composite Panel (ACP) Facia /column claddings etc. as per drawings and specifications with 4mm thick exterior grade composite(AL-PE-AL) panels of choice and of reputed brands like Viva, Alstrong,Alstar as approved having two aluminum skins pre-coated and thermally bonded on each side of non toxicpolyethylene core. The structure shall be fabricated using fresh, 18 guage 1inchx2 inch Aluminum rectangular pipe section of good quality 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/MS fabricated structures etc. as instructed using recommended fixing method, adhesives, sealers, etc. complete to the engineer- in-charge's satisfaction. The cost shall include all scaffoldings, chase making, lifting, cutting, on site adjustments ,plaster repairing, etc. complete as per bank norms</p>	Sqmt	2		
12	<p>Storage Unit 0.45M wide &amp; 0.75M High( Runner )</p> <p>Providing &amp; fixing storage units made up 18 mm. thk. plywood framework, 8mm. thk. plywood back as required as per design. Good quality hollow shutters should be fixed on SS heavy hinges Storage units. should be finished with 1.0 mm. thk. laminate from external side &amp; oil paint to non laminate ed surfaces. All exposed edges of plywood should have lipping patti on it. Lipping patti should be finished with French polish on it. The cost should include necessary handles, magnetic catches, Godrej make locks etc. complete as per design. Note:-</p>	Sqmt	11.83		
13	<p>Aluminum partition work</p> <p>Providing and fixing Entrance Door &amp; fix window (glazed) made in 2.5"x 1.5" frame in Powder coated Anodized aluminum door section (Jindal make ) in top and bottom, glazed with 8 mm thick glass of approved make with etching and frosting. Item to include floor springs, lock, all necessary hardware of Stainless Steel finish floor springs, lock, as approved by the project Consultant/ Bank complete in all respects.</p>	Sqmt	8.5		
14	<p>Providing and fixing Door closers on doors of make Everite/Ozone/ Hardwyn/ Dorma or equivalent up on approval including all packing ,levelling, etc. as required and up to the architects satisfaction.</p>	Nos.	2		
15	<p>Providing and fixing additional Night Latch type Lock (without handle) on doors of make Godrej/Ozone/Europa or approved equivalent make and design. The latch shall have minimum 3 keys and shall have automatic locking, open able from inside with knob/sliding bolt and with keys from outside. The rate shall be inclusive of all required carpentry works, all required guide plates, hardware, hole cutting etc. complete.</p>	Nos.	1		

16	Providing and fixing cash Table having a top of approx size Length are mention below . The table shall be made in 18mm ply construction with C.P.U. space, single drawer and cabinet , foot rest below as per design and drawing.The table edges shall be double thick and all visible surfaces including table tops facia of drawers and outside of shutters etc. shall be finished with 1.5mm thick SF/Textured Laminates as per bank norms , the bottom and inside of table shall be finished with 1mm thick laminate of approved make, colour and design and all hidden are as like inside of drawers, cabinets, finished with economical laminate. The cost shall be complete with lippings ,mouldings, telescopic drawer channels, accessories, hinges etc as per specifications. good quality of lock on drawer should be providedthe ht. of cash table on front is 1.2m and on back 0.75mt. , the top should have 40mm top with provisin of 12mm th. glass etc. complete	Nos.	1		

PART-I:INTERIORFURNISHING					
S.N.	Description of Item	Unit	Quanti	Rate	EST Amount
17	Providing and applying Putty and Premium Emulsion Paint on Walls, Partitions excluding Ceilings etc. (Old or Fresh Work) including surface preparation, cleaning, scraping old paint off, application of primer,upto3coatsofputty and finishing with up to two or more coats of ICI Dulux washable emulsion paint or equivalent - roller finish(matt) to all indicated wall surfaces. The paint shall be applied after thorough cleaning of the existing painted/fresh work surfaces so as to achieve a dirt-free, grease-free, plain surface free of residual paints as per manufacturer's specifications, application of primer, required number of coats of putty and application of primer coat after proper levelling of putty and finally to be applied with paint. The paint shall be applied as per the manufacturer's recommendations, evenly to produce uniform well finished surface including final cleaning of the premises to the Bank Engineer's/Architect's satisfaction	Sqmt	30		
18	Providing and applying Economical Water Based Emulsion Paint(with single coat putty) on all ceilings and demarcated walls etc. of record rooms, storerooms, stationery rooms, locker rooms etc. and finishing two or more coats of ICI Dulux emulsion paint or equivalent- roller finish(matt) to all surfaces. The paint shall be applied after thorough cleaning so as to achieve a dirt-free, grease-free, plain surface free of residual paints as per manufacturer's specifications, application of primer, one coat of putty and application of primer coat after proper levelling of putty and finally to be applied with paint. The paint shall be applied evenly to produce uniform even surface cost including final cleaning of the premises to the Bank Engineer's/Architect's satisfaction and complete at all level.	Sqmt	1		
19	Providing &applying Weather Proof Exterior Emulsion Grade Water Based Paint like apex or equivalent of approved 2 or more colors and brand in two or more coats on all external walls and concrete surfaces making good all visible cracks and defects including scaffolding, brushing and brooming all complete. The paint shall be applied evenly to produce uniform even surface to approved finish including cleaning and preparing the surface, as per manufacturer's specifications ,including scaffolding, etc., complete at all level.	Sqmt	1		
20	Providing and applying two or more coats of synthetic enamel paint of make Asian,or equivalent of approved shade and finish on all surfaces except on inner sides of drawers, storage etc. or in items including the cost of painting synthetic enamel in the rates) complete including putty, scaffolding etc. as per the manufacturer's recommendations and to the satisfaction of the Bank Engineer's/Architect's satisfaction	Sqmt	1		
H	BLIND,WHITEBOARD,PINUPBOARDS				
21	Providing and fixing vertical blinds for windows of Trac /Vista or equivalent of approved shade and medium range fabric (synthetic material)on windows including complete installation of track, blinds up to working condition.	Sqmt	16.00		
22	Providing and fixing Pin-up boards of 12mm thk. pinboard covered with plain matt/cotton fabric as per approval, the fabric stuck with rubber based adhesive to the board as instructed. Cost shall include all tw lippings, base preparation required and joints on fabric shall not be approved.	Sqmt	3.5		
23	Providing and fixing Mirror of make modi guard/ saint gobain etc or equivalent of height 900 mm complete with flat polished edges, fitted on site on 12 mm ply base, base having wooden lippping border and finished with laminate as instructed. The mirror shall be either pasted on the ply with silicon adhesive or fitted with stud-head screws with air gap in between (minimum6nosstud- headscrewsonanaverage per location) or both as per approval complete to the architects satisfaction.	Sqmt	1		

24	Dismantling & removing of existing furniture as per instruction given by bank and removing of wooden items & garbage to nearest disposal place approximate. 5Km from branch or as suggested by bank etc. complete	job	1		
25	Providing and Applying anti-termite treatment using premise chemical inclusive of chloro 50% cypermethrine 25% and fortex 10gm warranty should be period of 5years mandatory thereafter certificate of the work should be submitted to the zonal office mandatory.	Sqmt	200		
	PART-I:INTERIORFURNISHING Total			Rs	
				Say	
INWORDS(Rs.) _____					
NOTE: CONTRACTOR SHALL QUOTE RATES EXCLUDING GST WHICH SHALL BE PAID BY THE BANK EXTRA AS PER GOVT. NORMS PREVAILING AT THE TIME OF PAYMENT.					

**PRICE BID (PART-II) -ELECTRICAL**

Elect		UNIT	QTY	RATE	AMOUNT
S.No.	DESCRIPTION OF WORKS				
A.	<b>POINTS &amp; WIRING</b>				
1	<b>LIGHTS POINTS</b>				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS/ PVC conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (where ever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				

i	Primary points controlled by one 6 amp. Modular switch.	Nos.	40		
ii	Secondary light points Connected by primary	Nos.	5		
iii	Call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1		
Iv	Wall fan/ exhaust fan point with 6 amp 3pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	1		
v	Ceiling fan point with Step regulator socket switch. The switch should be at switchboard level	Nos.	11		
vi	5 pin socket controlled by one 6 amp. Modular switch complete on same board	Nos.	5		
vii	inverter point with 1mm wire	Nos.	18		
<b>2</b>	<b>POWER POINTS</b>				
	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 <sup>st</sup> socket and 1 <sup>st</sup> to 2 <sup>nd</sup> , 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.				
a)	Primary Point	Nos.	3		
b)	Secondary Point	Nos.	3		
<b>3</b>	<b>AC POINTS FOR INDOOR &amp; OUTDOOR UNITS</b>				
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type 16 amp socket & 25 amp Modular MCB. complete in all respects to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	2		
<b>4</b>	<b>COMPUTER POINTS</b>				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter b) Same as above but looped from the above 1st point to 2nd, point on the adjacent point (Maximum 3 points in a circuit)				
	Primary Points	Nos.	9		
	Secondary Points	Nos.	2		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch with all accessories, inner/ outer plates , metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer in charge for the rack supply in PA rack, CCTV b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	2		
	Secondary Points	Nos.	2		

<b>B.</b>	<b>CONDUITING FOR TELEPHONE, COMPUTER &amp; CONDUITING, WIRING FOR T.V. SYSTEM.</b>				
<b>1</b>	<b>TELEPHONE SYSTEM</b>				
	Supplying, laying, effecting terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.	Nos.	2		
<b>2</b>	<b>COMPUTER NETWORKING</b>				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	11		
2.2	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	2		
2.3	Supplying and fixing Patch Cord-1.5 Meter-	Nos.	8		
3	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	1		
4	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 in existing conduit.	Nos.	1		
<b>C.</b>	<b>CABLES, MAINS &amp; SUBMAINS</b>				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper /aluminium conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	4 X 10 sq.mm. Aluminium armoured cable (Branch UPS DB)	RM	15		
ii	Supplying & laying in position 4x10 Sqmm Copper Cable	RM	20		
ii	Supplying & laying in position 2x2.5 Sqmm Copper wire for circuit	RM	75		
iii	Supplying, laying, testing & commissioning of 3.5 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armored 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)	RM	3		
<b>D.</b>	<b>DISTRIBUTION BOARD</b>				
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
a	<b>4-way TPN DB (LIGHT &amp; Power DB)</b>	No.	1		

	<b>Incomer:-</b>				
	1 No. 63 Amp TPN (10 KA) MCB				
	<b>Outgoing:-</b>				
	12 Nos.6/32 Amp (10 KA) SP MCB				
c	<b>4-way TPN DB (AC DB)</b>	No.	1		
	<b>Incomer :-</b>				
	1 No. 63 Amp TPN (10 KA) MCB				
	<b>Outgoing :-</b>				
	5 Nos. 25 Amp (10 KA) SP MCB				
d	<b>4-way SPN DB with 2 Nos. 63 A (10 KA) DP MCB (For UPS Input)</b>	No.	1		
	<b>Double door inclosure</b>				
e	<b>(2+8)-way SPN DB (For UPS Sub DB) Double Door inclosure</b>	No.	1		
	<b>Incomer:-</b>				
	1 No. 40 Amp DP (10 KA) MCB				
	<b>Outgoing:-</b>				
	6 Nos.6/10/16/25Amp (10 KA) SP MCB				
<b>E</b>	<b>(LIGHT FITTINGS &amp; ACCESSORIES)</b>				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).				
i	LED 18 W tube 4'-0" As specified in tender document or approved by SBIIMS/Architect.	Nos.	1		
ii	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	22		
iii (a)	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	21		
iv	LED 9W bulb" As specified in tender document or approved by SBIIMS/Architect.	Nos.	2		
v	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
a	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self-closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by concerned office in charge.	Nos.	1		
b	Supply & fixing of ceiling fan of 1200 mm dia make as specified in tender document or approved by concerned office in charge inclusive of extened rod & fastner if required	Nos.	11		
c	Supply & fixing of ceiling fan of 900 mm dia make as specified in tende document or approved by concerned office in charge.	Nos.	1		
<b>F</b>	<b>EARTHING SYSTEM</b>				
1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to- Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	1		
2	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	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.	RM	15		
<b>G.</b>	<b>MAIN PANEL AND METER BOARD</b>				
	Designing, fabrication, supply, installation, testing and commissioning of front operated cubicle type compartmentalized, 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, gaskettted (Metal based neoprene) lockable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting	No.	1		



	hooks, GI earth strip of required size with 2 no's earth terminals, 2 no's 230V AC operated 250 mm X 250 mm 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 (Should be CPRI Approved, Type of Approval as instructed by the concerned office in charge) <b>panel size 2'-6" x2'-6"</b>				
	As per the following specifications, (Part IV - Substation) and IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved.IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. Note: Type of CPRI testing shall be as per Architect/ Bank's instructions. All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley.				
	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 lockable in OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All KA values indicated shall be ICS breaking capacity				
	GA drawings shall be got approved by concerned office in charge.				
a.	Floor panel shall consists of : -				
	<b>INCOMER</b>				
	1 No. 100 Amps,TP MCCB (10 KA)				
	<b>BUSBARS</b>				
	100 amps TPN pole bus bar chamber of suitable length with copper bus bars. All bus bars and interconnections shall be of suitable size copper strips.				
b.	<b>INDICATING PANEL</b>				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. Current Transformers of 125/5A ratio, 15 VA Class-1.0 metering. - 1 sets				
	RYB indicating lamps				
	<b>OUTGOINGS:-</b>				
	2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Light /POWER DB & Spare)				
	1 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars.				
	2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (for AC and Spare)				
	The electrical panel as described above and specifications complete.				
	<b>TOTAL AMOUNT</b>				

Total Without GST

**PRICE BID (PART-III)**

**Name of work: Air condition work of Existing premises Of UCO BANK GRAM PIPLIYAHANA , TILAK NAGAR , Zonal Office Indore**

Note : For any make, if OEM doesn't has specific star rating for the product but that product has equivalent energy saving as compared to the star rating, then vendor shall mentioned the same against the model number.

Sr. No	Particulars	Product Model No.
1.	2.0 TR Wall mounted Split Unit 5 Star Inverter Model	5 Star Inverter
2.	1.5 TR Wall mounted Split Unit 5 Star Inverter Model	5 Star Inverter
3.	1 TR Wall mounted Split Unit 5 Star Inverter Model	5 Star Inverter

**IR-CONDITIONING WORKS :**

Air-conditioning System ( 5 Star - Wall mounted Split Unit)

**Equipment Make – Voltas/ LG/ Carrier /Hitachi /Blue star- 5 star split energy saving inverter type**

- All the work of Drain pipe/copper pipe/cable shall be properly supported by clamps from the slab.
- The installation of the AC should be done by Authorized agency and certificate of same should be submitted . in warranty period AMC of AC should be part of Vendor and Bank is not liable to call the company.
- All jhiri work should be finished properly by cement plaster .
- All cable & drain pipe work should be measured in presence of architect before finishing / underground / covering of the work

Sr. No	SPLIT TYPE AIR CONDITIONERS				
A.	PART -A				
	HIGH SIDE WORK				
	Description	Unit	Quantit	Rate	Amount

		y			
<b>1</b>	Supplying, erection, testing and commissioning following wall mounted Split/ Roof mounted cassette units of <b>Bluestar / Hitachi</b> with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with <b>(evaporator coil – copper only)</b> , fan and fan motor, machine control panel improved Refrigerant Joints, .Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on <b>R-22/ R-410</b> . All complete as per drawing, approval and instructions of the Employer (Rates to be inclusive of Copper refrigerant pipe with insulation , Drain pipe & labour cost up to 3 Mtr. Length ).				
<b>a</b>	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	1		
<b>b</b>	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	1		
	<b>PART A –HIGH SIDE WORK TOTAL AMOUNT</b>				

	<b>PART –B</b>				
	<b>LOW SIDE WORK</b>				
<b>1</b>	<b>EXTRA REFRIGERANT PIPING</b>				
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC (From Indoor to outdoor Units) Beyond 3 M. of Max flow Brand				
<b>a</b>	For 1.0 T Split unit	Mtr.	6		
<b>b</b>	For 1.5 T Split unit	Mtr.	18		
<b>2</b>	<b>DRAIN PIPING</b>				
	Providing and fixing drain piping up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation includes the repairing of the cutting part in the wall or floor , both as specified by the manufacturer.				
<b>a</b>	25 mm dia PVC drain pipe for Split AC	Mtr.	20		
<b>3</b>	<b>AUTOMATIC VOLTAGE CONTROLLER</b>				
	Providing and fixing Stabilizer with 3-4 step relay and input voltage range of 130-270 V and output to be 230-240 V (Blue bird/ Logic state/ Inline/ V-Gaurd/Equivalent Reputed Make) (copper winding).				

<b>a</b>	4 KVA (For 2.0 TR Split AC)	Nos.	1		
<b>b</b>	3 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	1		
<b>4</b>	<b>AIR-CONDITIONERS STAND</b>				
	<b>Powder coated readymade stands</b>				
	For 1.5TR Hi Wall split units	Nos.	1		
	For 2.0 TR Hi Wall split units	Nos.	1		
<b>5</b>	<b>ELECTRICAL CABLES</b>				
	Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / /2.5 – Sqmm 3 core ) as per design requirement of Peak load calculation of specific ACs system installed at site with 1”/1/2”/2” PVC conduit pipe between indoor/outdoor unit				
<b>a</b>	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC. 2.5 Sqmm x 4 core of finolex Mac	Mtr.	24		
<b>6</b>	<b>SHIFTNG OF AC</b>				
<b>a</b>	Removal existing AC from existing branch & Refitting in Existing premises ( Distance up to 3M ) inclusive of material if required	Nos.	1		
<b>7</b>	<b>CORE CUTTING</b>				
<b>a</b>	Core cutting member in Non RCC	Mtr.			
<b>b</b>	<b>In RCC member</b>	No.	2		
	<b>PART B –LOW SIDE WORK SUB TOTAL AMOUNT</b>				
	<b>GRAND TOTAL (PART A + PART B)</b>				
	<b>Say</b>				

Note: The rates quoted includes all other taxes, duties, loading, unloading , transportation, other expenses etc. to site, Only GST will be paid Extra

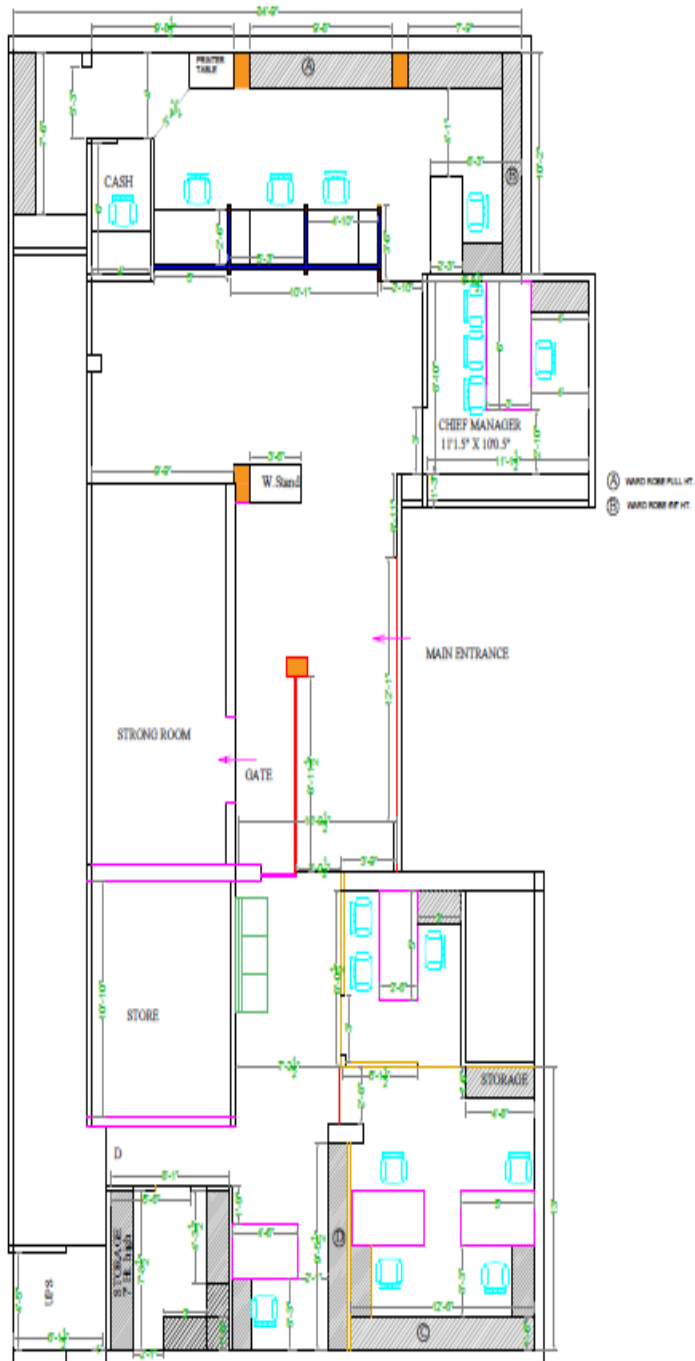
Summary of project

- 1) Cost Of Interior furnishing work =
  - 2) Cost of electrification work =
  - 3) Cost of Air condition work = -
- Cost of Project With out GST = /-

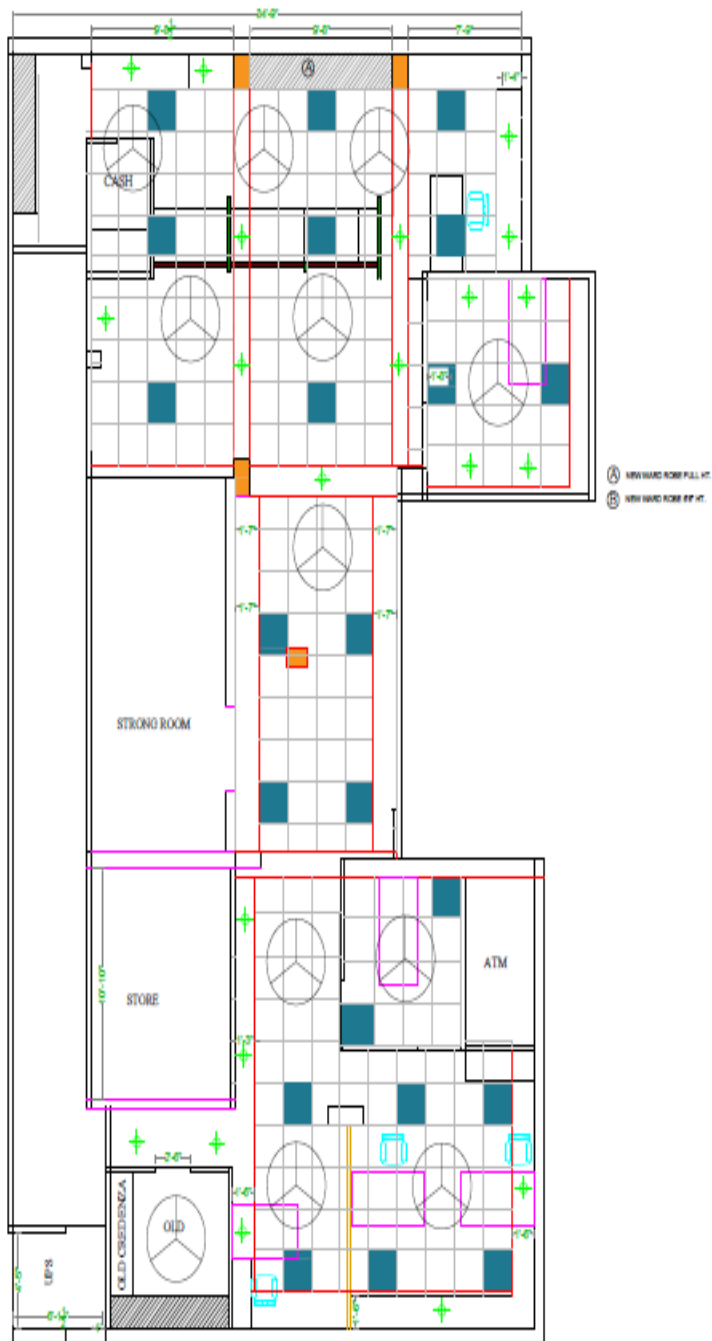
Amount In words :- Rs.

## GENERAL REMARKS

- Amount should be filled neatly
- Calculation amount should be filled neatly
- Care should be taken while filling the amount
- Over writing while filling the amount if any should be signed



## MAIN PLAN



LAYOUT

ELCTRICAL



## AC LAYOUT