

<b>PROJECT - BOQ FOR FURNISHING WORKS.</b>					
<b>BANK - UCO BANK</b>					
<b>BRANCH+ATM - ARMAPUR, KANPUR.</b>					
<b>ZONAL OFFICE- KANPUR.</b>					
<b>*ALL ITEM TO EXCLUSIVE OF TAXES . Taxes to Mentioned By the Contractor.</b>					
<b>*ALL WORKS TO BE DONE AS PER TENDER CONDITIONS.</b>					
<b>Laminate use only-Century,Green,Sunmica (Other Laminate is not Acceptable)</b>					
<b>S.NO.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
<b>A.</b>	<b>FURNISHING WORKS</b>				
<b>1</b>	<b>Main Entrance Door For Branch + ATM</b>	130	SQFT		
	Providing and Fiing in Position toughened glass door with 12 mm thick toughned glass with 3M security film complete in all respects with Ozone patch fittings including top patch(OPF-02),BOTTOM PATCH (OPF-03)angle lock(OPL-01)TOP PIVOT (OFS-ACC-GDP)Floor Spring (FS8400) and handle (OGH-55) 32mm x 457 mm all item included )				
<b>2</b>	<b>FULL HEIGHT GLAZED &amp; UNGLAZED PARTITION (HT -8'-6")</b>	995.00	Sq.Ft		
	Glazed Partition(upto false ceiling height only considered and above necessary ceiling supports to be provided) with Anodized Aluminium frame work, heavy sections (2mm thickness) of 2"x1.5" section, spacing of 2'0"x2'0" on bothsides and covered with 9mm thick HDHMR board finished with 1mm thick laminate of skriting & borders on both sides.Above 1'0"/2'6"/3'0" height partition,fixed with 8.0 mm bevelled glass with 3m sticker works door and teak wood beading with duco paint. Clear glass shall be finished with frosted film sticking over the glass of approved pattern and design. Rate to include providing cutouts and provisions to run electrical conduits, switches, etc..Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift and etc. Complete as per drawings and instructions of the Architect.				
	The job shall also include for provision of laying conduits, switch boxes etc. The erection of partition shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories, all complete up to the satisfaction of the Architect.				
	All door opening shall have rebated HDHMR board (size - 75mm x 50mm, as per profile) on vertical (2 Nos.) and horizontal (1 No.) sides, with melamine finish and rebate of 40mm x 12mm, all complete up to the satisfaction of the Architect.				
	the partition and doors shall have hinges floor springs/sliding arrangement/hydraulic door closer, mortise locks (Godrej make all), etc. The rate shall include cost of all materials, labour, T&P, wastages, etc. required for proper completion of work, all complete to the satisfaction of the Architect.				

<b>3</b>	<b>Low Height Partitions (partly glazed) and Flap Doors</b>				
	Same specification as in 1 but P/F half height partition of height 4'-6" with wooden laminate till 3'-0" and 1'-6" height 12 mm thick glass secured with D brackets including all hardware necessary with the same specs.as above.	28.00	Sq.Ft		
<b>4</b>	<b>CASH CABIN PARTITION(HT-7'-6"ONLY)</b>				
	Decorative Grill (12mm thk)-hexagonal opening as per instruction of Bank's Engineer/Architect.)				
	Providing and fixing of Cash Enclosures at height of 7'-4" with Anodized aluminium frame work, heavy sections (2mm thickness) of 2"x1.5", spacing of 2'0"x2'0" on bothsides and covered 6mm thick HDHMR Board finished with 1mm thick laminate of (As per bank colours) for skirting & borders.Partition shall have provision for opening and 19mm HDHMR board tray for challan receiving purpose. Cost include aluminium grill and fixed with teak wood beading and duco paint. Cost also include 3 Nos of Solid core flush Doors with sizes of 2'6"x7'0", fixed in the partition. Door shall have teak wood beading and lipping with duco paint. Door finished with 1mm thick laminate of (As per bank colours) for base and (As per bank colours) for skirting of approved pattern. Door shall have 8mm glass fixed with teak wood beading and duco paint. Rate to include hardware's like brass hinges, godrej three nos of night latch, door closure, door stopper and handles. Cost also include cash transaction opening shall be provided with door arrangements made with HDHMR Board frame work finished by laminate, duco paint and locking system. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift and etc.Complete as per drawings and instructions of the Architect.				
	Solid till 4'-0" then Aluminium Decorative Grill height till 7'-0"then again solid	295.00	Sq.Ft		
<b>5</b>	<b>Glass Barrier on cash cabin and front glass for counter (12 MM NECESSARY)</b>	125.00	Sq.Ft		
	Providing and fixing glass barrier (as per profile and design) in front of cash and ledger counter made out of 12mm thick polished edged float glass (Make – Modi guard or equivalent). It shall have 25mm x 20mm teakwood beading (as/shape approved by the Architect) to hold the glass from sides and top (optional). All teak wood surfaces shall be melamine polished. The rates shall include for cutting (in geometrical shape) and polishing the edges, all complete to the satisfaction of the Architect.				

<b>6</b>	<b>Computerised Ledger &amp; Cash Counter</b>				
	Providing and placing in position ledger counter with top, vertical sides/dividers, skirting and fascia made out of 19mm thick HDHMR board with 1mm thick laminate (as/shade approved by the Architect) on all exposed surfaces. It shall also have 75mm x 40mm teak wood runners below the top and for footrest below. Every unit shall be provided with a side unit (size - W-500mm, H-750mm, D-500mm approx.), consisting of 150 mm deep drawer at top and a cabinet with open able/hinged shutter below.				
	. The fascia of drawer and shutter of cabinet below shall be made out 19mm thick HDHMR board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick HDHMR ply. The side unit shall have CAM locks, handles, guides, sliding units, hinges, magnetic catcher's etc. of approved make. Every unit shall be provided with a keyboard drawer unit (size - W-550mm, H-100mm, D-300mm approx.) below. The counter shall have 100mm deep fascia, below the top, in which keyboard drawer unit shall be adjusted.				
	It shall be made out 19mm thick HDHMR board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick HDHMR ply. The unit shall have CAM locks, handles, guides, sliding units etc. of approved make. The job shall include for 6mm x 6mm grooves in between sides and open able drawers and hinged shutters. All the exposed edges of HDHMR board and ply shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect.				
<b>a</b>	<b>High Level</b>	10.00	Rg.Ft		
	High level (two levels) Computerised cash counter.				
	Lower level top shall be 900mm wide and at 750mm level from floor & upper level top shall be 250mm wide (and at 1150 mm level from				
<b>b</b>	<b>Low Level</b>	18.50	Rg.Ft		
	Low level (two levels) Computerised ledger counter.				
	Lower level top shall be 900mm wide and at 750mm level from floor & upper level top shall be 150mm wide and at 900mm level from floor				
<b>7</b>	<b>Tables</b>				
<b>A</b>	<b>Manager's Table with Side credenza include the 10 mm thick glass</b>	1.00	No.		
	Providing and placing in position tables with top, vertical sides/dividers, skirting and modesty panel made out of 19mm thick HDHMR board with 1mm thick laminate (as/shade approved by the Architect) on all exposed surfaces. It shall also have 75mm x 40mm teak wood runners below the top and for footrest below. Every table shall be provided with a side unit (size - W-500mm, H-750mm, D-500mm approx.), consisting of 150 mm deep drawer at top and a cabinet with open able/hinged shutter below.				

	The facia of drawer and shutter of cabinet below shall be made out 19mm thick HDHMR board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick HDHMR board. The side unit shall have CAM locks, handles, guides, sliding units, hinges, magnetic catcher's etc. of approved make. Every table shall be provided with a keyboard drawer unit (size - W-550mm, H-100mm, D-300mm approx.) below. The table shall have 100mm deep facia, below the top, in which keyboard drawer unit shall be adjusted. It shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick HDHMR board. The unit shall have CAM locks, handles, guides, sliding units etc. of approved make.				
	The job shall include for 6mm x 6mm grooves in between sides and open able drawers and hinged shutters. All the exposed edges of HDHMR board and ply shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect. Every table top shall be provided with 10 mm thick float glass (as per profile) with polished and beveled (25mm wide) edges all complete to the satisfaction of the Architect.				
<b>B</b>	<b>Officer Table size 4'-6"x 2'-6"x 2'-6" WithSide Table include the 10 mm thick glass</b>	4.00	No.		
	SPECIFICATION AS PER MANAGER TABLE( PART -A)				
<b>8</b>	<b>Writing Table &amp; Brochure Holder</b>	1.00	No.		
	Providing and fixing in position (with rear wall) slip and customer writing desk (as per design) of over all size - 1200mm x 450mm x 300mm. The fixing shall include for expansion bolts, cleats, clamps, bolts, nuts, screws, rivets and other anodized accessories, all complete up to the satisfaction of the Architect.				
	.The writing top and facia/sides shall be made out of 19mm thick HDHMR board with 1mm thick laminate (as per shade approved by the architect), on all sides and . It shall be laid over the base of 19mm thick water proof board (already considered in various items.) and fixed with araldite. It shall include for beveling and polishing at all the exposed edges. The rate shall include cost of all materials, labour, scaffolding, wastages, polishing and T& P etc. It shall be made out of 12mm thick water proof plywood (two surfaces of 6mm thickness, fixed together, where required) on rear and both sides.				
	The front shall be made out of 12mm thick glass (as per profile). It shall be fixed in the grooves, made in side members, in an inclined manner (as per profile in drawing enclosed) with a gap of 75mm (max.) in between. The space shall be further divided in four equal parts with help of 12mm thick water proof plywood. All edges of the glass shall be polished.All the exposed edges of water proof board and plywood shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect				

<b>9</b>	<b>Complaint &amp; Suggestion Box &amp; CHEQUE DROP BOX</b>	2.00	No.		
	Providing and fixing in position complaints/suggestion box (as per design) with hinged shutter of size - 450mm x 600mm x 150mm made out of 19mm thick HDHMR board with 1mm thick laminate (as per shade approved by the architect) on all exposed surfaces. It shall have 6mm thick HDHMR plywood on the back.				
	.The hinged shutter shall be made out of teakwood (section - 25mm x 50mm) framework, with 4mm thick float glass, fixed with teakwood (size - 12mm x 12mm) beading. The unit shall have cam locks, handles, spring hinges, magnetic catchers etc. of approved make. All the exposed edges of water proof board or ply shall be provided with 6mm thick HDHMR board/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect.				
<b>10</b>	<b>Notice Board</b>	1.00	No.		
	Providing and fixing in position notice board (as per design) of size - 900mm x 600mm x 150mm. The sides shall be made out of 19mm thick HDHMR board with 1mm thick laminate (as per shade approved by the architect) on all exposed surfaces. It shall have 12mm thick tack The front shall have 6mm thick float glass sliding shutter in two parts.				
	It shall also have 19mm wide two track aluminium channel for sliding arrangement, all around, along with locking arrangement. board (Make - Cellotex or equivalent) wrapped with stretched blazer cloth (Make- Raymonds), of Rs. 200.00 per Mt. (approx.) in colour and pattern approved by the Architect. It shall be covered with 6mm thick HDHMR plywood, on the back. All the exposed edges of HDHMR board and ply shall be provided with 6mm thick HDHMR /hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect.				
<b>11</b>	<b>False Ceiling(Armstrong)</b>	825.00	Sq.Ft.		
	Providing and fixing in position false ceiling in armstrong 600 x 600 x 15 /16 mm dune supreme RH 99 prima tile with regular edge frame work as specified by armstrngcompany with suspenders making necessary frame work for A.C. Ducting for diffusers and light fitting.				
<b>12</b>	<b>False Ceiling Works (Gypsum) with cove design &amp; CNC CUTTING JALI &amp; MDF JALI</b>				
	Providing & fixing with necessary scaffolding frame in 22 gauge GI channel /angle, placed at appropriate grid, fixed to RCC slab, beam, wall etc. with fasteners /screws finished with 12.0mm Gypsum sheets joints covered with POP slurry/tape. Rates shall include painting (One Coat of putty, one coat of primer coat and two coats of acrylic paint). Rates shall include providing necessary cut-outs & additional support frames for electrical fixtures, A.C. grills, vertical drop upto 1'6" etc	495.00	Sqft		

<b>13</b>	<b>Column &amp; Wall Panelling (As per Direction BY Architect )</b>	225.00	Sqft		
	Providing & fixing in position with Anodized Aluminium frame work, heavy sections (2mm thickness) of 2"x1.5" section, spacing of 2'0"x2'0" on bothsides and covered with 9mm thick HDHMR board finished with 1mm thick laminate on top as per instruction of the Architect				
<b>14</b>	Designer MDF board column cladding with CNC Cutting and backing of Acrylic /Metalim, Jaali to be painted in white duco mpaint and LED strip lighting to be included in this rate.The support system to be as above.	185	Sq.Ft.		
<b>15</b>	<b>Acrylic Emulsion with POP Base.</b>	1850.00	Sq.Ft.		
	Painting on undecorated / decorated wall and ceiling surfaces with two or more coats of acrylic emulsion(Asian/ Berger make) (as / shade approved by the Architect) of approved brand. It shall include for preparing the surfaces clean, even and smooth with thoroughly brushing with broom, scratching with patti and sand papering respectively, so that the surfaces are free from oil, grease, dirt, mortar droppings & other foreign and loose matter. It shall also include for preparing the surface and filling of holes with plaster of paris before priming coat of whiting / approved primer. this work is included Front Elevation painting (including First Floor elevation painting )Complete in all Respects .				
	The rate shall include cost of all materials such as plaster of paris, whiting / primer, glue (Fevicol), indigo / stainer, brushes, sand paper, patti, dhoti, broom stick, clean water with storage and other containers, labour, scaffolding / ladder charges, cleaning of floors and other sundries etc., all complete to the satisfaction of the Architect.				
<b>16</b>	<b>Low /full height Storage Racks</b>				
	<b>S1-Storage (Low Height)</b>				
	<b>Size- 6' Length X 2'-6" highX 1'-4"deep</b>				
	<b>Ply Wood</b> -19.0mm thick for side top and door & back 6.0mm with shutters, shelf 19.0mm				
	<b>Shelf</b> -19.0mm thick Ply				
	<b>Handle</b> -Brush finish stainless steel				
	<b>Lock</b> -Godrej				
	All internal & rear surfaces to be painted with two coats of enamel paint over a coat of primer / putty as directed to get a smooth finish.All instructed by Bank's Engineer/Architect.	190.00	sqft		
<b>17</b>	<b>ACP PANNELING (As per Bank colour)</b>	425.00	sqft		
	Rolling Shutter Box.				
	Frame Work-2" X 2" X 1.5 mm thick Aluminium Tubular section (Horizontal/Vertical) Jindal /Alstrong Make				
	Aluminium Composite Panel-3.0mm thick of approved colour with bonding material				
<b>18</b>	<b>Main Panel Boxing</b>	sqft	48		
	Providing & fixing in position Anodized Aluminium frame work, heavy sections (2mm thickness) of 2"x1.5" section, spacing of 2'0"x2'0" on bothsides and covered with 9mm thick HDHMR board finished with 1mm thick laminate Approved Colour Pattern . Front Side of Storage Aluminum Jali for Ventilation of the Panel & the Measurement of the Storage only front Facia of the Storage (Lenth x Height ) . Alll work Complete to the Satisfaction of the Bank /Architect .				

<b>19</b>	<b>Synthetic Enamel</b>	sqft	1585.00		
	• Surface preparation.				
	• Rub with sand paper to ensure that the surface is dry and free from abrasions, dust, dirt, grease etc.				
	• Fill the holes etc. in the wood, if any with putty.				
	• Let the surface dry before application of paint.				
	<b>How to apply</b>				
	• Generally two coats of synthetic enamel finishes are required for satisfactory results.				
	• After priming the surface with two coats of wood primer white and one coat of putty apply first coat of paint and finish as recommended.				
	• Allow a minimum time gap of 8 hrs in between two coats.				
	• First coat should be sanded with emery paper grade 320/400 and wipe clean before application of subsequent coats.				
	• For make and shade please refer to the schedule of interiors, furniture & finishes.				
<b>20</b>	<b>Fire Extinguisher Rack</b>	No	1		
<b>21</b>	P&F vertical <b>Venetion blinds</b> made out of 100mm wide strips as/ shade approved including supports,	Sft	85		
<b>22</b>	post construcion antitermite treatment	Sqft	1100		
	by drilling holes and injecting chemical as per				
	IS code from a reputed company with				
	10 years warranty certificate				
<b>23</b>	Customized ATM Guide	4.00	nos.		
	Customized ATM guide / CDM Plate with digital printing and wall mounted on studs.				
<b>24</b>	At the entrance of branch board showing opening & closing time of branch has to be displayed	3.00	nos.		
<b>25</b>	Providing and laying vitrified floor tiles(Double Charged ) in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar ALL MATERIAL COMPLETE IN ALL RESPECTS with (4" Sikrting Masaurement LXH)	2150.00	Sqft		
	Size of Tile 600x600 cm				
	<b>Total</b>			<b>Total</b>	
	<b>GST EXTRA</b>				
				<b>Contractor sign with Seal</b>	

1	Paint	I.C.I. ( Dulex - Duco) / Asian paints / Goodlac Nerolac
2	Plywood	BWR- Century/Green/Archid only Premium quality
3	Wood preservative	BWR- Century/Green /Archid only Premium quality
4	False ceiling	Armstrong , Indian gypsum board
5	Laminates	Sunmica/ Archid/Century/Green 1mm thick as per bank approved color
6	Screws	G.K.W./Nettle fold
7	Adhesive	Fevicol SH
8	Night latch	Godrej
9	Locks	Godrej
10	Aluminium door frame	Jindal
11	Glass	Modi/Asahi/Saint Gobain
12	Aluminium cladding	Eurobond/Altobond/Alukbond
13	Key board drawer	EBCO
14	Telescopic CPU stand	EBCO
15	Cable organiser ( wire manager)	EBCO
16	Vitrified tiles	Jhonsions Perlto
17	Venetion blind	Vista, Luxaflex

Note : Plywood mentioned in the drawings as well as in bill of quantities should be IS: 710 BWR- Century/Green HDHMR only Premium quality.



**PROJECT - BOQ FOR ELECTRICAL WORKS.**

**BANK - UCO BANK**

**BRANCH+ATM -ARMAPUR**

**ZONAL OFFICE- KANPUR**

**Date:**

S.N	PARTICULARS	Unit	Qty	Rate	Amount
	A -Electrical wiring (All switches to be Modular type - Anchor/ Havells or equivalent approved by architect)				
	<u>Light &amp; Fan Points</u>				
1	Supply & Installation of concealed point wiring using 600v grade 3x1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code ) pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 1.5 sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect. <b>All switch &amp; sokets shall be modular type complete with cover plate &amp; GI/ MS box.</b> The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.				
a	Light points + AFF points including the cost of 6A switch	Point	45		
b	Ceiling Fan Point including the cost of 6A Switch along with electronic regulator	Point	1		
c	Wall Fan Point along with 6A switch	Point	17		
d	6A switch & Socket on SDb	Point	13		
e	Invertor Ponit (Light points+ Fan ) including the cost of 6A switch	Point	20		

2	<b><u>RAW POWER POINT</u></b>				
	Single Power Points - Supply & Installation of point wiring for Raw power plug points on workstations / table for computers using 2 X2.5 + 1x1.5 Sq.mm copper conductor PVC sheathed flexible wire pulled through heavy gauge 19mm PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 16A , 2/3/5 pin sockets & 1 No.16A Switch wired together forming one point. The earth wire of green color only. <b>All switch &amp; sokets shall be modular type complete with cover plate &amp; GI/ MS box.</b> The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	Point	18		
3	<b><u>AIR CONDITIONING</u></b>				
	AIR CONDITION POINTS - Circuit wiring with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex/Anchor/Skytone) in 19mm M S conduit pipe heavy duty 16swg laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job includes supply & fixing of flush mounted 4in one appliance protector pre-wired, IP 20 with factory fitted 25A, 2P MCB and 25A socket (Hagers/ Siemens/ ABB). The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	Point	7		
4	<b><u>UPS</u></b>				
A	Sub Main Wiring/ Cabling - : SITC of sub main wiring 4nos. 10 sq.mm Stranded copper wires for UPS Input from main incoming panel to incoming Db of UPS power input system etc. in 25mm dia PVC haevy duty conduit complete to the satisfaction of the bank.	JOB	1		
B	UPS Power Input System: SITC of 4way TPN Double door Db IP 42 horizontal Complete with 1no. Incoming 32A. TP MCB and 3 x 32A 2P MCB's to regulate supply for UPS complete in all respect as required and to the satisfaction of the bank.	Set	1		
C	Wiring for UPS Input & UPS Output (For both Critical 2Kva & Non-Critical 3Kva UPS) with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex /Anchor /Skytone) to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	JOB	1		

D	S/F of 32A 2P MCB in 2way metallic box including proper connectionbs thru lugs. Both the Db's shall be inter looped- Qty included in item 3. (2nos. For ATM and 2nos. For Branch)	Each	1		
E	UPS Output Power Distribution System: SITC of 12 way SPN Db Double door IP -43 Siemens make with 32A DP 10kA MCB and 09 nos. SP 10kA MCB complete in all respect and as required & to the satisfaction of the bank. Siemens/ L&T/ MDS/ Schnider	Set	1		
F	Input Wiring for UPS Db's with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex /Anchor /Skytone) to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	JOB	1		
G	Supply & fixing of 4nos. 6A switches & sockets (Modular type c/w MS/GI box & cover plate) complete with computer point circuit wiring with 2x2.5sq.mm + 1x 1sq.mm stranded Cu. Single core Copper conductor (Finolex/Anchor/RPG) to be laid in PVC conduit 1" dia/ vertical drops heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement.	Per Node	18		
<b>5</b>	<b><u>INVERTOR</u></b>				
A	Wiring for invertor Input & invertor Output (For both Critical 2Kva & Non- Critical 3Kva UPS) with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex /Anchor /Skytone) to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	JOB	1		
B	S/F of 32A 2P MCB in 2way metallic box including proper connectionbs thru lugs. Both the Db's shall be inter looped- Qty included in item 3. ((For output & oput)	Each	2		
C	Input Wiring for invertor Db's with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex /Anchor /Skytone) to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	JOB	1		

<b>6</b>	<b>MAIN INCOMING PANEL &amp; DISTRIBUTION</b>				
A	SITC of 100A Kit kats fuse unit 3nos in wooden patra complete with 100Amp. Neutral link complete in all respect as required.	Set	1		
	1 No for Metre				
	1 no for Panel to Outer Side Of Wall (For Generator Connection)				
B	Main Incoming Panel				
	Supply, Installation, Testing & Commissioning of main distribution board panel fabricated of 18swg (powder coated) comprising of	Nos.	1		
	Indicator lamps 3 nos.				
	Voltmeter & ammeter(one each)				
	Rotary selector switches 2 nos for voltmeter & ammeter				
	Busbar (each of RYB +N) copper 100 amp each				
	125 Amp MCCB(Siemens/ L&T/ ABB/ Schnider) incoming 3P adjustable 25kA				
	Changeover TPN 100 amp for DG set (Havells/ ABB/ Sochomac)				
	Outgoing 63A 3P MCB`s - 6 nos.				
	Outgoing 32Amp 2P MCB's - 6 nos.				
	Earth bus bar 25x5mm GI strip - 2nos. At the bottom.				
<b>7</b>	Supply Installation testing & commissioning of <b>XLPE insulated</b> Armoured Al.codutctor cable between main panel & DB`s & generator of required thickness of approved make Skytone/ Havells based on the load assessment & confirmation of the same with architect. This rates include cost of lugs at both the ends				
	3.5 x50 sq.mm cable from Meter to Kit kat to the main panel & Pole (Aprrox - 20 mtr )	JOB	1		
	4c x20 sq.mm cable from Main Panel TO LHS DB (Aprrox - 20 mtr)	JOB	1		
	4c x 20 sq.mm cable from Main Panel to RHS DB (Aprrox - 20 mtr)	JOB	1		
	4c x 20 sq.mm cable from Main Panel to Kikat (Generator) ( Aprrox - 40 mtr)	JOB	1		
8	Supply, installtion, testing & commissioning of VTPN Db double door with MCB as incomer IP 42 complete in all respects for AC, PP and L & F as under - Siemens/ Hager/ Lagrand/ ABB				
A	RHS 6way VTPN db - Loaction RHS wall opposite Cash cabins (From entrance to Rear record room & Toilet area) - Siemens 8GB0406VRC or				
	Incomer - 63A 3P MCB 10kA adjustable neutral to be directly connected to neutral bus	Each	1		
	3no. 32A 1P-MCBs 10 KA - AC's - 2nos. RHS & 1rear				
	3no. 16A 1P-MCBs 10 KA - for single power points - 2 cash & 1 May I help You & 2nos. D/W				
	4nos. 10A 1P-MCBs 10 KA for L&F				
	4os. 6A 1P-MCBs 10 KA for L&F				
	Blanking Plates - 2no.				
	All connections to be terminated thru lugs				

B	LHS 6way VTPN db - Location LHS wall behind advance (From LHS LV Cash to Mgr Rm)- Siemens 8GB0406VRC or equivalent				
	Incomer - 63A 3P MCB 10kA adjustable neutral to be directly connected to neutral bus	Each	1		
	4o. 32A 1P-MCBs 10 KA - AC's - 3nos. LHS & 1 Mgr Rm				
	4no. 16A 1P-MCBs 10 KA - for single power points - ( LV cash, 2 CRE, 1 Advance, 2 MR & 2 Router)				
	2nos. 10A 1P-MCBs 10 KA for L&F				
	2os. 6A 1P-MCBs 10 KA for L&F				
	Blanking Plates - 2no.				
	All connections to be terminated thru lugs				
9	Glow sign Board - Circuit wiring with 2x2.5sq.mm + 1x 1.0sq.mm stranded Cu. conductor (Finolex/Anchor/Skytone) to be laid in 19 mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rates should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	JOB	1		
10	<u>E -EARTHING</u>				
	For Main Panel - S/burying of Dual pipe technology (Pipe in Pipe) earthing electrode having GI 80mm O/D pipe with 25 micron coating, 3metres long. The space between two pipes to be filled with Highly conductive & Non corrosive chemical compound. The installation shall be thru earth auger. The vacant space between pipe & hole shall also be filled with compound all around. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking two earthing leads of 25 x 5 mm GI strip (Assumed length of 10m - beyond 10m to be paid extra) upto Main panel complete in all respects with guaranteed E/N voltage of less than 3 volts and resistance less than 1 ohms. The distance between two earthing pits to be 10ft or more INCLUDING Earth wire 4 sq mm copper wire . Approx -80 mtr (1 FOR BRANCH & 1 ATM )	Per Icn.	2		

11	<u>F - FIXTURES &amp; FITTINGS</u>				
A	a) Supplying and fixing Philips make 36W LED FLAT PANEL after disconnection of existing fitting 2'x2' size in grid type false ceiling, 600x600 suitable for recess mounting, CRCA sheet, asthetic looking, or eqv Philips/havells	Each	16		
B	b) Supplying and fixing Philips make or eqv <b>10 W LED round type downlighter</b> (Philips/ wipro /Jaguar)	Each	27		
C	Supply installation testing and commissioning of 1*20watt Batten type tubular LED light fitting with LEDs, driver, diffuser, and housing complete in all respects in UPS room and record /wc/bath room /suitable place with complete in all respect with required color on need basis.	Each	10		
D	S/F of angle holder for bulbs including cost of 11w CFL lamp for Toilets	Each	4		
E	i) Supply & installation of wall bracket fan <b>450 MM METAL BODY</b> (Heavy duty/ high speed) Make Bajaj/crompton greaves/havells/Orient (to be supplied after consultation with architect/Electrical Engineer as per approved drawing)	Each	17		
F	g) Supply & fixing of the 1200 mm 48") Sweep Ceiling fan (Orient PSPO/crompton greaves/havells) with downward rod(below false ceiling), canopy etc. including of PVC flexible copper wire.(white colour)( High speed) (Warranty Certificate is necessary)with downward rod, circular boxes, ball sockets, ceiling plates,suitable arm bracket etc. including connection with wire) White colour (WITH REGULATOR)	Each	1		
G	Supply & Fixing of fresh air fan 12" - Crompton Greaves/ Usha/ Khaitan/ Bajaj	Each	3		
H	e) Supplying and fixing LED strip 3000 K <b>24 watt</b> 5 mtr length with driver (Philips or Havells or Cormpton )	SET	10		
12	<u>H - TELEPHONE</u>				
A	P/f Krone or equivalent box in the server room & out side of the Branch with a ten pair connecting strip for telephone with lock & key	Each	2		
B	10 Pair Cable with Connection from main Panel to entrance of the Branch	JOB	1		

C	Supply & fixing on wall/ furniture/ partition recessed type non modular telephone socket outlet (RJ-11) with mounting box & front plate complete with chase cutting, mending good etc. as required complete with Supply & laying of 2pair 0.61mm dia. PVC insulated telephone cables through 19mm dia rigid PVC conduit of suitable diameter as directed by the consultant from telephone junction box to telephone socket outlet including interconnection mending good etc. as required complete in all respects.	Each	5		
D	Wireless Call Bell of Approved Quality (Orient,Sunshine)	No.	1		
13	<u>I - DATA CABLING</u>				
A	Supply & Fixing of XL RJ 45 toolless information outlet with Duplex face plate with dual connectors Grey colour cat 6e including cost of supplying & laying CAT 6e (as directed by Architect from Server to Switch, Switch to computer I/O data socket as required complete in all respects) in 25mm dia rigid PVC conduit (including laying of GI draw wire complete with junction box, circular box, elbows, bends & other accessories as required by chase cutting on floor, wall, through partition or over false ceiling.The data cabling pipe should be laid at a minimum distance of 3ft from pipes laid down for power distribution) including interconnection with connectors as required complete in all respects.	Each	18		
B	Supply & fixing of 7ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	18		
C	Supply & fixing of 3ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	18		
D	S/F of 24Port Jack Panel fully loaded systimex make	Each	1		
E	S/F of 9 U wall mounted rack c/w fan etc as required	Each	1		
F	S/F of Cable Manager as required	Each	2		
	GRAND TOTAL AMOUNT (gst extra)	TOTAL			
		Contractor Sign With Seal			

	<b>List of approved materials</b>	
	<b>Materials</b>	<b>Approved manufacturers/suppliers</b>
1	MCCB	MDS legrands, ABB, GE, SIEMENS
2	Changeover	Indo Asian/ HPL Socomec / GE/ Standard stangaurd
3	Distribution board	MDS / Standard / Indo Asian / HPL
4	MCB	MDS / Standard / Indo Asian / HPL
5	Cable	Gloster / Rallison / Incab / CCI
6	Copper wire	Finolex/anchor
7	Switch / Socket / Call bell and accessories	Anchor / Havells / CPL / MDS / Philips
8	Electrical Light Fittings / Fixtures Complete	Philips
9	Wall Fan / Ceiling Fan / Exhaust Fan	Khaitan/Havells



# BOQ for Air-conditioning works for UCO bank Branch+ATM Armapur .

(Quoted rates shall be inclusive of all labour, material, scaffolding etc and (Excluding GST)

1	Each vendor to specify the Make of A.C. they propose to supply.				
2	Common drain pipes of Cassette / Split A.C.'s be terminated in any toilet Nahni traps OR else be terminated from external up to ground. AC with COPPER Condenser & Evaporator coils only to be supplied.				
3	Please enclose Technical Brochure of quoted A.C.'s.				
4	As built layout drawing of Refrigerant & Drain Piping has to be attached with Final Bill.				
5	LG(Singal Phase), Blue Star,Daikin Only with COPPER Condenser & Evaporator coils should only be supplied. Only one of these Makes to be quoted. Please enclose Tech. Brochure of the quoted Cassette/ Split A.C.				
	ALL A.C. TO BE DONE INVERTER TYPE ONLY.				
S. No.	Item	Unit	Qty	Rate	Amount
1	S.I.T.C. of 2Ton Cassette <u>4star A.C.</u> as per specifications given below. The Cassette Ac to be of LG(Singal Phase), Blue Star, Daikin or as Architects/ Bank approved Makes.	No's	0		
	Supply, Installation, Testing & Commissioning of 2 Ton Ceiling mounted Cassette" Air Conditioner 4 Star by cutting false ceiling & comprising of Indoor Outdoor units. The Indoor unit comprising multi row DX cooling coll. Drier, expansion valve/device, air blower driven by motor with mounting accessories Outdoor unit will comprise the Rotary/Scroll compressor, condenser coil fan, Cordless remote controller etc including Refrigerant gas charging water drain system etc.				
2	High Wall Split AC-1.5 Ton 3-Star Blue Star,Daikin, are approved Makes.	No's	0		
	Supply and Installation Of wall mounted split AC 1.5 Ton 3310 with 5 year warranty on compressor and ecofriendly green gas.				
3	High Wall Split AC-1.0 Ton 3-Star ,Blue Star,Daikin, are approved Makes,	No's	0		
	Supply and Installation Of wall mounted split AC 1.0 Ton <u>3 Star</u> with 5 year warranty on compressor and ecofriendly green gas.				
4	Providing & Installation of 4KVA voltage Stabilizer with range of 130 - 280V of standard make as per the approval of the Architect of (V-Guard).	No's	4		
5	Providing & Installation of 5KVA voltage Stabilizers with range of 5130280 V of standard make as per the approval of the Architect of (V-Guard).	No's	3		
6	Drain Water Piping Constructed out of PVC Hard Pipe, fitting, 6 accessories, bends, elbows, tees, hanger, support, anchors, ISI approved Finolex/Prince Make (32mm)	Mtr	95		
7	Rate for Extra Piping (Rate above 12 Feet pipe which will be free with unit) Ref.Piping(Only single distance will be measured between Indoor & Outdoor Units).Copper Refrigerant Piping along with insulation Piping for 1.5ton Copper Refrigerant piping with complete fitting.S.I.T.C. of 12.7 mm dia & 6.4 mm dia Copper Refrigerant Pipes with foam insulation between Indoor & Outdoor units with breaking of wall wherever required for Split Air Conditioners	Mtr	0		
8	Copper Refrigerant Piping along with insulator Piping for 2Ton Cassette 4star AC.Copper Refrigerant piping with complete fitting.S.I.T.C. of 15.9mm dia & 9.5 mm dia Copper Refrigerant Pipes with foam insulation between Indoor & Outdoor units with breaking of wall wherever required for 2Ton Cassette 4star A.C.	Mtr	120		
9	S.I.T.C. of (3core all the AC's are in single phase) Copper conductor flexible cable between Indoor & Outdoor Unit through holes made as above.	Mtr	120		
10	S.I.T.C. of L shape suitable shape M.S. Frame and stand for mounting Outdoor Unit on wall/On floor with all fixing hardware's including lockable cage duly painted with enamel paint Within above Catwalk for cassette & split A.c.'s.	No's	7		
Total for Air- Conditioning Works					
Note: All rates are excluding the GST.					