PROJECT - BOQ FOR ELECTRICAL WORKS.

BANK - INDIAN BANK

BRANCH & E- LOBBY RAEBARELLI

	ZONAL OFFICE - PRAYAGRAJ					
S.N	PARTICULARS	Unit	Qty	Rate	Amount	
1	POINTS & WIRING					
1.1	Supply & Installation of concealed Point Wiring for light, fan & exhaust fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3 x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicatort. All switch & sokets shall be modular type complete with cover plate & GI/ MS box. 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.					
а	Light points + AFF points including the cost of 6A switch	Point	62			
b	Ceiling fan point with step type electronic regulator controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Point	7			
С	Similar as above for wall mounting fan including box with 6A Control Switch along with clamp and ceiling rose	Point	20			
d	6A switch & Socket on SDb	Point	13			
е	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1			
1.2	RAW POWER POINT					
	Single Power Points - Supply & Installation of Circuit Wiring (Single 6/16Amps power Points): Supply & laying of circuit wiring for 6/16 Amp. Switch points with 2 x2.5 + 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) Cu stranded wires laid in 20mm conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank.t. The earth wire of green color only. All switch & sokets shall be modular type complete with cover plate & GI/ MS box. 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			
1.3	AC POINTS					
1.3	AIR CONDITION POINTS -Circuit wiring with 2x4.0sq.mm + 1x 1.5sq.mm FRLS Cu stranded wires (Finolex/ Anchor/ Skytone) to be laid in 19mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions as per requirement. The job includes Supply & Fixing of Havells MCB protected power unit DBOXx type c/w 32A DP MCB including proper connections or any equivalent approved by Architect. The job shall be complete & to the entire satisfaction of the Bank (FOR CASSATE / SPLIT AC 2.0 TR UNITS)	Point	9			
1.4	STRONG ROOM MCB					
	Strong room controlling DP MCB at entry gate outside of strong room - Circuit wiring with 2x2.5sq.mm + 1x 1.0sq.mm stranded Cu. conductor (Finolex/Anchor/Havells) to be laid in 19mm M S conduit pipe heavy duty 16swg laid & concealed in wall/ floor/ paneling/ partitions or above false ceiling as per requirement. The electric wiring should be arranged separately for the Strong Room and it is to be connected to a plug outside. The job also includes supply & fixing of 32A DP MCB in 2way box including connections with lugs. 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			

2.1 UPS Output Private Cashing. 28TC of sith main skeling dates. 19 stems Streeted Congress which for PVC Heavy duty conduit complete to the estimation of the bank. (BRANCH + ATIO) 2.2 UPS Private Input Systems. SITC of sith major and the semination of the bank. (BRANCH + ATIO) 2.3 UPS Private Input Systems. SITC of sivey PPS Double door UPS PP 29 noteasted in Congress with the control of the bank. (BRANCH + ATIO) 2.4 UPS Private Input Systems. SITC of sivey PPS Double door UPS PP 29 noteasted in Congress with the congress of the semination of the bank. (BRANCH + ATIO) 2.5 Uniform Str. (PM Systems A UPS Condress Input Systems In Congress Input Systems Input Syst	2	UPS (BRANCH + E-LOBBY)			I
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scorning 32A. TP MCR and 3 x 32A 2P MCR's to regulate supply for UPS complete in all respect as sequenced and the satisfacetion of the bank. 2.3 Wring for UPS Input & UPS Output (For both Critical 3Kvn & Non. Critical 3Kvn UPS) with a sequence of the satisfaction of the bank. 2.4 SyF of S2A Symmetric Systems and standard Ca. conductor (Phrisis A, Fachor / Systems) to be fail as classification of the satisfaction of the bank (BRANCH + 8-L086)? 2.4 SyF of S2A 2P MCB in 2 lawy metallic box including proper councetonies thru lags. Both the UPs shall be inter looped. Qty included in term 3. (2 nos. For ATM and 2 nos. For Parach) 2.5 UPS Output Power Distribution Systems: SITC of 12 way SPN Db Double door IP -43 Stemens malar with 32A DP 10AA MCB and 09 nos. SP 10A MCB complete in all respect and as required & to the satisfaction of the bank. Stemens' 1AdT MIDS / Schediedr 2.6 Input Wirms for UPS Db with 2x8-0xq.mm = 1x 1. Seq.mm stranded Cu. conductor to be laid in 19mm FWC, pine heavy duxy/ Precible pipe held & connected in wall/ foory pore-ding/ pipertitions or the strandard of the bank. Stemens, 1AdT MIDS / Schediedr 2.7 Supply & Briting of 3 nos. 6A switches 1 module & 3 nos. scelets 2 modules Modular type complete with 0 180 nos. Scelets 2 modules Modular type complete with 0 180 nos. (which piped and connected in wall) from prompting piertitions or an analysis of the substance of the season of the strandard or cutting food of the size of the substance of the season of the season of the substance of the substance of the season of the season of the substance of the substance of the season of the substance of the sub	2.1	UPS Input from main incoming panel to incoming Db of UPS power input system etc. in 25mm dia	JOB	1	
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4.4 4C x 25 sq.mm cable from Main Panel to Generator (Aprrox - 20 mtr) JOB 1		4C x 25 sq.mm cable from Main Panel to RHS DB (Aprrox - 20 mtr)			
	4.4	4C x 25 sq.mm cable from Main Panel to Generator (Aprrox - 20 mtr)	JOB	1	

5	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/ L & T / HAVELLS / ABB	Each	1		
5.1	RHS 6way VTPN db - Loaction RHS wall opposite Cash cabins (From entrance to Rear record room & Toilet area) - Siemens 8GB0406VRC or equivalent				
	Incomer - 63A 3P MCB 10kA adjustable neutral to be directly connected to neutral bus				
	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				
5.2	LHS 6way VTPN db - Loaction LHS wall behidn advance (From LHS LV Cash to Mgr Rm)- Siemens 8GB0406VRC or equivalent	Each	2		
	Incomer - 63A 3P MCB 10kA adjustable neutral to be directly connected to neutral bus				
	4o. 32A 1P-MCBs 10 KA - AC's - 3nos. LHS & 1 Mgr Rm			1	
	4no. 16A 1P-MCBs 10 KA - for single power points - (LV cash, 2 CRE, 1Advance, 2 MR & 2 Router)				
	2nos, 10A 1P-MCBs 10 KA for L&F				
	20s. 6A 1P-MCBs 10 KA for L&F				
	Blanking Plates - 2no.				
	All connections to be terminated thru lugs				
6	Glow sign Board - Circuit wiring with 2x2.5sq.mm + 1x 1.5sq.mm stranded Cu. conductor (Finolex/Anchor/Skytone) to be laid in 20 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		
7.1	EARTHING JOB Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of Copper bonded rod / Galvanized JK Chemrode 10 feet length, 25 mm dia. (Minimum copper bonding shall be 0.25mm) filled with highly conducting metallic compounds with permanent sealing at both the ends with lead terminal including bore well, chamber with cover and all required civil allied works, earth pit to be filled with 2 bags of 25 kg pack of Back Fill Compound (Earth Enhancement Material). The rate should be inclusive of 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). The job also includes wiring with 1 x 10 sq.mm PVC insulated copper conductor wire of 650 / 1100 Volt grade (Finolex, Polycab Make) upto 10 m as earth wire with concealed / exposed GI pipe including making all the connections with guaranteed E/N voltage of less than 3 volts and resistance less than 1 ohms.	Nos	2		
7.2	Supplying, laying and fixing of 10 sq mm copper pvc insulated wire covered with GI Pipes from earthing plate to main panel, if required beyond 10m	Metre	20		

					1
8.1	<u>F - FIXTURES & FITTINGS</u> Supplying and fixing PHILIPS / CROMPTON / HAVELLS 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, complete.	Each	20		
	mounting, exert enect, wethere resimple completes				
8.2	Supplying and fixing Philips make or eqv 15 W LED round type downlighter (Philips / Crompton / Havells / Wipro / Jaguar)	Each	34		
8.3	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	17		
0.4	C/E of angle helder for hythe including cost of 10W CEI laws for Tailete	T21-	5		
8.4	S/F of angle holder for bulbs including cost of 12W CFL lamp for Toilets	Each	3		
8.5	Supply & installation of wall bracket fan 450 mm Metal body (Heavy duty/ high speed) Make Cropmton Greaves / Havells/Orient (to be supplied after consultation with architect/Electrical Engineer as per approved drawing)	Each	21		
8.6	Supply & fixing of the 1200 mm 48") Sweep Ceiling fan (Orient / Crompton Greaves / Havells) with downward rod(below false ceiling), canopy etc. including of PVC flexible copper wire. (white colour) (High speed) (Warranty Cerificate is necessary) with downward rod, circular boxes, ball sockets, ceiling plates, suitable arm bracket etc. including connection with wire) White colour (WITH REGULATOR)	Each	9		
8.7	Supply & Fixing of fresh air fan 12" - Crompton Greaves / Usha/ POLAR / Bajaj	Each	2		
8.8	S/F Heavy Duty Exhaust Fan 450mm with all the accessories complete as per Bank's Instructions in UPS room	Each	1		
8.9	Supplying and fixing High Luminius LED strip 3000 K 24 watt 5 mtr length with driver (Philips or Havells or Cormpton)	SET	15		
9	H - TELEPHONE				
9.1	P/f Krone or equivalent box in the server room & out side of the Branch with a ten pair connecting	Each	1		
	strip for telephone with lock & key				
9.2	10 Pair Cable with Connection from main Panel to entrance of the Branch	JOB	1		
9.3	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	3		
	I - DATA CABLING				
10.1	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	20		
10.2	Supply & fixing of 7ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	20		
10.2	Dupply to fixing of the Grey colour ratell chord Giga speed Systilliax/ D lillk lilake	EacH	40		
10.3	Supply & fixing of 3ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	20		
10.4	S/F of 24 Port Jack Panel fully loaded systimex make	Each	1		
10.5	S/F of 9U wall mounted rack c/w fan etc as required	Each	1		
10.6	S/F of Cable Manager as required	Each	1		
	ELECTRICAL WIRING WORKS				
	ELECTRICAL FIXTURES				
	GRAND TOTAL AMOUNT (BRANCH + E LOBBY)				
		ı	*ALL R	ATES ARE EXC	CLUSIVE OF GST
				<u> </u>	<u> </u>