Price Bid of Renovation of Electrical & Allied works for the Conference					
S. No.	**DESCRIPTION OF WORKS**	**UNIT**	**QTY**	**RATE**	**AMOUNT**
A	**ELECTRICAL WORKS**				
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 conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (whereever 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 flling 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	One light points controlled by one 6 amp. Modular switch.	Nos.	7.00		0.00
ii	Two light points controlled by one 6 amp. Modular switch.	Nos.	9.00		0.00
iii	Three light points controlled by one 6 amp. Modular switch.	Nos.	14.00		0.00
iv	Four light points controlled by one 6 amp. Modular switch.	Nos.	6.00		0.00
v	Four light points controlled by one 6 amp. Modular switch.	Nos.	4.00		0.00
vi	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	2.00		0.00
vii	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 2x6A, 5 Pin modular socket controlled by two 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	Nos.	5.00		0.00
b	Secondary Point looped	Nos.	7.00		0.00
	Note: If looped with Power Secondry point so its only single point connected				
2	POWER POINTS				

	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 1st socket and 1st to 2nd, 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.	3.00		0.00
b)	Secondary Point	Nos.	5.00		0.00
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 AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	5.00		0.00
4	COMPUTER POINTS				
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 swtich 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 and 2nd point to 3rd point. (Maximum 3 points in a circuit) c) Same as above but provide for television. (Maximum 3 points in a circuit)				
	Primary Points	Nos.	4.00		0.00
	Secondary Points	Nos.	5.00		0.00

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 2 nos. 16 amps 5 pin modular type sockets, 2 No's 16 amps modular swtich 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 incharge for the rack supply in server room, 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.	2.00		0.00
	Secondary Points	Nos.	2.00		0.00
5	**POP UP BOX POINTS**				
	Provide desk top plug is specially provision 1) Multi-connectors for data and power connection. Connectors: 1x Universal Socket, 2x RJ45 internet, 1x VGA, 1x 3.5mm audio Jack 1x usb 2.1 a port) Hydraulic (pneumatic) open close movement 3) with bottom box 4) Self-locking mechanical latching mechanism 5) Press-open pop-up cover	Nos.	5.00		0.00
6	Supplying, providing & fixing of Vertical Pop Up Motorized TV Lift Stand for 27 inchs monitor of Haffle Make in Conference table complete with all necessary hardware, including providing a Guarantee of one	Nos	1.00		0.00
	CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEPHONE SYSTEM				
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice 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 lenght, from the I/O hub to the point.	Nos.	7.00		0.00
2	COMPUTER NETWORKING				

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 lenght, from the I/O hub to the point.	Nos.	8.00		0.00
2.2	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	8.00		0.00
2.3	Supplying and fixing Patch Cord-1 Meter-	Nos.	4.00		0.00
3.0	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	6.00		0.00
	(LIGHT FITTINGS & ACCESSORIES)				
	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 Fixures should be covered with minimum 3 Years onsite replacement warranty).Philips,Wipro,Tisva				
i	FULL GLOW Chandlier of Make As specified in tender document or approved by SBI/ Architect. (basic price rs 24000) (Make Philips/Havells/Wipro) or as approved by Bank/Architect	Nos.	3.00		0.00
ii	Supplying, fixing, testing and commissioning of 12 W LED Double COB type down lighter of Make As specified in tender document or approved by Engineer/Architect.Commercial pattern	Nos.	28.00		0.00
iii	Supplying, fixing, testing and commissioning of 9 W LED COB type down lighter of Make As specified in tender document or approved by Engineer/Architect.Commercial pattern	Nos.	12.00		0.00
iv	LED cove light necessary installation fittings. Make as specified in tender document or approved by Engineer/Architect.Commercial pattern				
a)	Cove light upto 5 meter with drivers	Nos	6.00		0.00
v	LED profile light necessary installation fittings. Make as specified in tender document or approved by Engineer/Architect.Commercial pattern				
a)	Profile light 1'-0" length	Nos	5.00		0.00
b)	Profile light 2'-0" length	Nos	19.00		0.00
c)	Profile light 3'-0" length	Nos	14.00		0.00
d)	Profile light 4'-0" length	Nos	12.00		0.00

	TOTAL AMOUNT FOR ELECTRICAL & ALLIED WORKS				**0.00**
B	**AIR CONDITIONING WORKS**				
	SPLIT /CASSETTE TYPE AIR CONDITIONERS				
1	Removing and re-erection, testing and commissioning after servicing of existing branch 1.0/1.5/2.0 TR High Wall AC. Item includes all necessary hardware, piping, wire /cable, hanger, clamps other accessories etc. All complete as per approval and instructions of the Architect/ employer.	Nos.	5.00		0.00
2	Supplying and laying of Extra copper refrigerant piping with O class nitrile rubber insulation with pipe , both of size as specified by the manufacturer suitable for 1.0/1.5/ 2.0 TR Split type AC - From Indoor to outdoor Units (make as approved by Architect/ Bank)	RM	25.00		0.00
3	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 TR/ 2.0 TR Split type AC.	RM	30.00		0.00
4	DRAIN PIPING				
	Providing and fixing drain piping up to drain as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
a	25 mm dia PVC drain pipe for Split AC	RM	30.00		0.00
	TOTAL AMOUNT FOR AIR CONDITIONING WORKS				**0.00**
C	**VIDEO CONFERENCING WORKS**				
1	Supply of High Quality high definition two way In-ceiling speaker with Low Frequency: 5.25" or above, Polypropylene woofer with rubber surround, 0.75" Tweeter for smooth response,, Power Handling (AES Standard): 30W RMS / 60W Program / 120W Peak , or better, Impedance: 8 Ohm / 100V, Frequency Response: 65-20000Hz or better Sensitivity: 86dB@1w/1m or above, Calculated Max SPL : 108 dB or above Peak, ABS with wire mesh metal grille, Make:val/celto/bose/biamp	Nos.	8		0.00

2	Supply Installation , testing and commissioning of Mixer amplifer with Total output all channels driven: 120W, 4-16 ohm, 70V/100V output, USB/Bluetooth Media player, zones available, 3 Aux and 2 microphone inputs, Signal-to-Noise Ratio >75dB, toroidal transformer, Master, Bass & Treble controls for tailored audio tuning Aux output available for daisy chaining amplifiers or to attach active subwoofers to expand your audio setupetc as reqd.:Make:val/celto/bose/biamp	Nos.	1.00		0.00
3	Supply Installation , testing and commissioning of Digital Table top Conference System Delegate unit with conference mode, speech countdown time, speaking time, open or off . Speaking distance can reach 10 to 40 cm with clear voice, Microphone use RJ45 / 8P PORT, Sensitivity - -47db or better, Signal to Noise Ratio - >65db, Frequency Responce - 100Hz - 10kHz or better, Chairman could be shut down delegate, repress Priority Key Temporary Silence mute delegate, Release Priority delegate sound return back, suitable gooseneck microphone unit , Mic length 220, Stylish, low profile design , 1.8-inch color TFT display screen showing , real-time meeting data: conference mode, Make:val/beyer dynamic /bosch or as per approval by Bank/Architect	Nos.	10.00		0.00
4	Digital Table top Conference System Chairman unit with conference mode, speech countdown time, speaking time, open or off . Speaking distance can reach 10 to 40 cm with clear voice, Microphone use RJ45 / 8P PORT, Sensitivity - -47db or better, Signal to Noise Ratio - >65db, Frequency Responce - 100Hz - 10kHz or better, Chairman could be shut down delegate, repress Priority Key Temporary Silence mute delegate, Release Priority delegate sound return back, suitable gooseneck microphone unit , Mic length 220, Stylish, low profile design , 1.8-inch color TFT display screen showing , real-time meeting data: conference mode Make:val/beyer dynamic /bosch or as per approval by Bank/Architect	Nos.	1.00		0.00

5	Master control unit for Digital conference system with , The main machine has 2 - 4 route conference 8P / RJ45 connect, main machine max Directly connects up to 60 units, expandable to 250 units with extension modules , Maximum Freuency response: 20Hz ~ 20kHz or better, Signal to Noise Ration - 78db or better, Force delegate mute Approve speech applications, Temporary mute or restore delegate microphones, 4-in/1-out seamless HDMI switcher, support ing 4 cameras at 1080p@60Hz with zero, switching delayChairman and Delegate units using Intuitive function button design, no training required, easy to use One CAT5e / 8pin cable. 4.3-inch IPS color touchscreen with intuitive, menu navigation, High-fidelity sound quality by lossless audio transmission technology, 48K audio sampling rate "Hand-in-Hand Loop-Network" connections Make:val/beyer dynamic /bosch or as per approval by Bank/Architect	Nos.	1.00		0.00
6	Supply, Installation, Testing and Commssioning of Wireless 1 handheld and 1 Lapel Microphone Diversity Principle Non-diversity, single-channel system, Transmitters 1 x OS X Bodypack Transmitter with Sports Headset Microphone, Frequency Bands GB: 606 – 648 MHz; E: 823 – 865 MHz, RF Range 60m, Line of Sight, RF Output Max. 10mV Modulation Wideband FM Complete as required (Make: OSL/Shure/Sennheiser / VAl or as per approval by Bank/Architect	Nos.	1.00		0.00
7	SITC of Cable Manager/Cable cubby , Table Mount Modular Multi-Connection Solution with retractable Lid with cable pass through for 1 HDMI, 2 LAN, 2 Universal AC Poweroutlets, etc. complete as Make - Bestnet/Logic/Manhattan or as per approval by Bank/Architect	Nos.	3.00		0.00
8	Supply Installation , testing and commissioning of Digital Podium in Steel frame with latest OPS/PC 12 the generation or higher HDD/21" Touch Hydraulic screen/with Podium USB out/In/HDMI /VGA/ desktop Mic in Podium Wireless Mic. Make:Sybnergy/Globus/AHA or as per approval by Bank/Architect	Nos.	1.00		0.00

9	SITC of 4X4 Switcher having Routes 4 HDMI 2.0 sources to 2 4K HDR Ultra HD displays HDMI 2.0b and HDCP 2.2 compliant Supports up to 4K60 with static and dynamic HDR support Analog and digital audio de-embedded from output 1 Digital audio de-embedded from HDMI output or HDMI ARC Built in auto down scaling on each output Control: TCP/IP, RS-232, IR, Push button A/V switching control, automatic display control and input EDID management - Make- Bestnet /Liberty Av/ Kramer or as per approval by Bank/Architect	Nos.	1.00		0.00
10	Supply, installation, testing and commissioning of Transmitter receiver with 70m Cat.6 HDMI 4K30, HDBaseT Extender with PoC, AV Interface: HDMI, Interface Standard: HDMI 1.4, Supported Bandwidth: 10.2 Gbps, Maximum Distance: 70m (229.66ft), Maximum Resolution:3840x2160@30Hz 4:4:4 8bit, , etc.complete as required. (QUANTITY PER PAIR)	Nos.	6.00		0.00
11	Supply, Installation, Testing & Commissioning (SITC) of Enterprise Grade Hardware Based Video Conferencing Codec supporting standards-based unified communications for Board Rooms, Conference Rooms and Training Facilities. The codec shall be hardware based and support both H.323 and SIP protocols with Full HD 1080p60 video transmission and reception or better. It shall support H.264, H.264 High Profile, H.264 SVC and H.265 (HEVC) video compression standards or better, dual video stream/content sharing through H.239 and/or BFCP, adaptive bandwidth management, Forward Error Correction (FEC), automatic packet loss recovery, jitter buffering, and operate over a bandwidth range from 64 kbps up to 8 Mbps or higher. The system shall incorporate enterprise-grade audio processing including full duplex audio, Acoustic Echo Cancellation (AEC), Automatic Gain Control (AGC), Automatic Noise Suppression (ANS), lip synchronization, and support audio codecs such as G.711, G.722, G.722.1, G.729 and Opus or equivalent.Make- People link/Poly/Cisco or as per approval by Bank/Architect	Nos.	1.00		0.00

12	Supply, Installation, Testing & Commissioning (SITC) of Enterprise Grade Full HD PTZ Video Conference Camera suitable for Board Rooms, Conference Rooms, Training Rooms and Auditoriums. The camera shall be designed for professional video conferencing applications and shall support a minimum Full HD 1920 × 1080 resolution at 60 frames per second (1080p60) or better. It shall be equipped with a high-quality 1/2.8-inch CMOS image sensor or better with a minimum effective resolution of 2.07 Megapixels, delivering excellent image clarity under varying lighting conditions. The camera shall provide a minimum 20x optical zoom with an additional digital zoom capability, horizontal viewing angle of 60° or wider, vertical viewing angle of 35° or wider, and shall support automatic and manual focus, auto exposure, auto white balance, backlight compensation, low-light enhancement, wide dynamic range (WDR), and 2D/3D digital noise reduction for superior image quality. Make- People link/Poly/Cisco or as per approval by Bank/Architect	Nos.	1.00		0.00
13	Supply, Installation, Testing & Commissioing of 86" interactive flat panel, IR touch technology, IPS Panel UHD Native Resolution (3,840 x 2,160), Brightness 350 Nits; Contrast ratio 1100:1, response time :8ms, CONNECTIVITY (Input) Video / Audio HDMI (3), RGB / Audio In(Input), RJ45 (Input) USB USB 2.0, USB 3.0 (3), Touch Out(USB2.0,B Type) (2)(Output) Video / Audio HDMI (1), Optical Output / Audio Out with OPS i5 system Make - Sony/LG/Delta /Samsung or as per approval by Bank/Architect	Nos.	1.00		0.00
14	Supply, Installation, Testing and Commissioning of 65" Display panel, 4K UHD (3840x2160) Resolution, Brightness 300 nits or more, Contrast ratio 4000:1 or more, 2 HDMI, 1 USB 2.0 and Audio inputs, RS232, Ethernet and IR controls, built in speaker etc all complete as required.	Nos.	2.00		0.00
15	SITC of 17.5 Inch retractable monitor with touch screen Display with 1 HDMI & 1 RS-232 input retractable monitor with full hd display having Automatic Lifting and Tilting: The monitor raises and tilts automatically for easy viewing Control Options: Operate via panel, RS232/RS485 protocols Make - People Link /ATDS/Delta or as per approval by Bank/Architect	Nos.	1.00		0.00
16	Supply and Laying of sheiled connector for 23 AWG shielded CAT6 Cable.Make-Dlink/Molex/Delton	RM	250.00		0.00
17	Supply and Laying of sheiled connector for 2 Core 1.5 SQMM Speaker cable .Make-Krystal/Falcon/Belden	RM	100.00		0.00
18	Supply and Laying of 1.8/2 Meters 4K HDMI patch cord in existing conduit.Liberty AV/bestnet/ kramer	Nos.	5.00		0.00

19	Supply and Laying of 5-8 Metres 4K HDMI patch cord in existing conduit.Liberty AV/bestnet/ kramer	Nos.	3.00		0.00
	TOTAL AMOUNT FOR VIDEO CONFERENCING WORKS				**0.00**
	TOTAL AMOUNT FOR RENOVATION OF ELECTRICAL & ALLIED WORKS				**0.00**
Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc					