STATE BANK OF INDIA: ELECTRICAL BOQ/PRICE BID BRANCH NAME:-JHALLAHALLI-WEST br under RBO-03/AO3

Sl.No	BRANCH NAME:-JHALLAHALLI-WEST br under RBO-03/AO3 DESCRIPTION	UNIT	QTY	DATE	AMOUNT
51.110	PART - A	UNII	QII	KAIE	AMOUNT
A.	MV PANELS & DISTRIBUTION BOARDS				
1.0	Supply, installation, testing and commissioning of M.V. panels and switch gears suitable for 415V, 3 phase, 4 wire, 50Hz power distribution system. The panel shall be free standing Wall / floor mounting type 14G/16G sheet steel enclosed, flush front with single aluminium bus bars and separate earth bus to be provided through out the length of the panel. The incoming and out going feeders breakers, changer over switches, fuses indicating lamps shall be accomadated in a modular multitier arangement. Minimum clearance of 400mm shall be provided from the floor level to the bottom most termination point adequate size cable alley and bus bar chamber shall be provided all round the panel and it shall be connected through solid bus bars. Flexible cable links are not acceptable.				
	Bus bars shall be provided with sleeves or heat resistant insulated paint. The paint shall be suitable for both top/bottom cable entry. The minimum fault rupturing capacity of all incoming and out going breakers/ switches shall be as per SLD only. The panel shall be painted in conformity with the relevant IS code. The panel shall be fabricated only after obtaining approval of the GA drawings. The rate shall also include cost of civil works including fixing accessories, all complete as required.				
1.1	CHANGE OVER cum Main PANEL - Manual 100 amps MCCB - 1 no, 80 Amps COS with Bus Bars for cable end terminations at Load end and also for DG tappings in a Fabricated MS powder coated box with 2 sets of indications for EB/DG supplies	Set	0	0	0
2.0	MCB DISTRIBUTION BOARDS : ALL DOUBLE DOORS - ABB, SCHNIDERS, INDO ASIAN (OPTIPRO), HAVELLS, LEGRANDETC				
	Supply, installation, testing and commissioning of the following cubicle type 1.2 mm thick CRCA sheet steel enclosed powder coated with approved shade and partitions to segregate phase with approved covers, single / double door, factory made recessed in wall or surface mounted final distribution boards of the following description. All final DB's shall have outgoing with internal wiring brought upto terminal block for external cable connections.				
	NOTE: 1) Surface mounted DB's on walls shall be provided with suitable size frame work and neatly grouted on to wall and DB shall be fixed on to the frame work using bolts & nuts and other fixing accessories.				
	2) DB's conceald in wall shall include cut of necessary civil works and other fixing accessories.				
	3)The DB's shall be horizontal / vertical type as per configuration of incoming/outgoing feeders.				
2.1	4)The DB's shall be factory made of approved make and necessary available higher size configured DB's shall be used. MDB				
2.1	VTPN MCCB DB				
	Incomer:				
	1 No.80A, 4P MCCB ,				
	Outgoing:				
	6Nos. of 25/32. A SP MCBs (C curve)				
2.2	INOS. OF 63 A/2 NO'S 40Amps TP MCBs (C/D curve)	Set	1		
2.2	LDB/UPS DB - Type 1 FOR UPS load@ATM SPN MCB DB				
	Incomer:				
	1 No,40A, 2P, MCB (C /B curve)				
	Outgoing:				
	4 Nos. of 16/25A, SP, MCBs (C/B curve)	Set	0		
2.3	LDB - Type 2 FOR BRANCH				
<u> </u>	ETPN MCB DB Incomer:				
	Incomer: 1 No.63A, 4P, RCCB (0-30mA)+MCB (C/B curve)				
	Outgoing:				
	16 Nos. of 6/10/16A, SP, MCBs (C/B curve)	Set	1		
2.4					
<u> </u>	ETPN MCB DB				
<u> </u>	8 Nos. of 16/20/25/32 A, SP. MCBs (C/B curve)	Set	0		
2.5					
<u> </u>	VTPN MCCB DB				
	Incomer: 1 No,80A-4P MCCB				
	Outgoing:				
	10 Nos. of 25/32 A SP MCBs (C/D curve)				
<u> </u>	1 NO 32 Amps TP MCB- D CURVE as spare	Set	1		
2.6	Computer DB - Type 1				
	SPN 12 WAY MCB DB Incomer:				
	1 No. 40A, 2P, MCB (C/ D curve)				
	Outgoing:				
	10 Nos. of 6/10 A SP MCBs ((C/ D curve)	Set	1		
2.7	Computer DB - Type 2				
	Nos. of 6/10 A SP MCBs (C/D curve)	Set	0		
-		201	-		
2.8	ATM DB SPN MCB DB				
-	Incomer:				
	No. 32/40A, DP MCB (C/D curve)+1 x 20 A DP RCCB for Lighting loads				
	Outgoing:				
	6Nos. of 25 A SP MCBs (D curve)	Set	1		

	MACTER CONTROL				
	MASTER CONTROL				
5.1	Supply, installation, testing and commissioning following sizes isolator CONTROLS WITH 4 P MCB's in Double Door DB's. The MC shall be wall mounted using necessary brackets and fixing accessories.				
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a)	40/63/80A, 4P MCB's as Master Controler for LDB/AC DB	Set	2		
4.0	Supply, installation, testing and commissioning following sizes MCB in metallic enclosure. The MCB shall be wall mounted using necessary				
	brackets and fixing accessories.				
a)	20/25/32/40A, DP MCB (C/D curve)	Set	2		
	32/40A/63A, 4P MCB (C/D curve)	Set	2		
	PART - A TOTAL AMOUNT				
	PART - B				
В.	LT CABLES AND CABLE END TERMINATION:				
1.0	Supply & Laying of 1100V grade, XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, steel armoured cables. The cable				
	shall be laid in exsiting trench, cable tray / clamped on to the walls using necessary fixing accessories. The cable shall be provided with cable				
	identification tags made out of Aluminium strip, engraved with cable size and the routing. (Note: cost of cable tray, supports, excavation, sand				
	cushioning, brick protection and back filling measured separately).				
1.4	3.5CX35Sq.mm XLPE Cable	M	20	1	
	4 C x25 Sq.mm XLPE Cable	M	80		
	CABLE END TERMINATIONS:				
				1	
	Supply and providing end termination for below listed PVC insulated, PVC sheathed, aluminium conductor, steel armoured, 1100V grade, cable				
	using brass cable glands and copper lugs etc, all complete as required.				
2.4	3.5CX 35Sq.mm XLPE Cable	set	4		
	4 Cx 16/25Sq.mm AYFY Cable	set	8		
	Supply and fixing of hot dipped galvanized GI ladder type cable tray, conforming to IEC- 61537. The cable tray shall be supplied in standard				
	length of 3000mm. The rate shall include cost of necessary fixing accessories like bends, off sets, collar, Tee, fish plate etc., as required. Note:				
	The cost of supports shall be measured separately				
2.1	200 m width a 50 mm higher L5 mm did	D		 	
3.1	200mm width x 50 mm height x 1.5 mm thick	Rmtr	0		
3.2	300mm width x 50 mm height x 1.5 mm thick	Rmtr	0		
4.0	Supply and fiving of Smm threeded rad supports include holts, but & weeker	Desta	50		
	Supply and fixing of 8mm threaded rod supports include bolts, nut & washer Supply and fixing of 16swg GI sheet perforated C channels 1" for horizonatal support to carry pipes (support channel)	Rmtr Mts	50	 	
5.0	supply and many of 100mg of solet performed a committee 1 for normal support to early pipes (support committee)	IVILS	30		
		IVIES	30		
	Supply and fixing of UPVC trunking. The rate shall include cost of necessary fixing accessories as required.				
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6.0 a) C. 1.0 b) c) d) e) f)	Supply and fixing of UPVC trunking. The rate shall include cost of necessary fixing accessories as required. UPVC Trunking 100 x 50 mm PART - B TOTAL AMOUNT PART - C WIRING SYSTEM Supply & Wiring for Lights, Ceiling fans, exhaust fan and 6A socket outlets using 3 x 1.5 sqmm flexible copper, 1100 volts grade PVC insulated FRLS wires drawn through 2mm thick, suitable size FR PVC conduit in concealed manner using necessary conduit accessories like junction boxes, Switch boxes, modular double plate and inner plate shall be of metal, bends, collars, clamps, ceiling roses, 6A/16A switches, Fan regulator and hook boxes, etc., and shall be flush mounted in brick wall or in the built up furnitures or on the surface of wall for surface installation as required. The rate for point wiring shall include the wiring from first point (light/switch) and then looping between lights/fans/6A socket outlets etc., Also the rate shall include earthing of each light, fan outlet boxes, switch control boxes, 6A sockets. (switches & sockets shall be of Anchor roma make /equivalent). The rate shall also include cost of civil works involved in fixing of boxes, replastering of walls chased. All the switch / sockets shall have stickers for identification Single light point controlled by a 6A SP switch. Single light point controlled by a 6A SP switch Two light point controlled by 2 nos. 2Way 6A SP switch. Two light point controlled by a 6A SP switch Ceiling fan point controlled by a 6A SP switch, WITHOUT fan regulator. The rate shall include cost of fan hook, switch outlet box etc., all complete as required.	Nos Nos Nos Nos	50 1 20 6 6		
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6.0 a) C. 1.0 1.0 2.0 2.1 2.2 2.3 2.4	Supply and fixing of UPVC trunking. The rate shall include cost of necessary fixing accessories as required. UPVC Trunking 100 x 50 mm PART - B TOTAL AMOUNT PART - C WIRING SYSTEM Supply & Wiring for Lights, Ceiling fans, exhaust fan and 6A socket outlets using 3 x 1.5 sqmm flexible copper, 1100 volts grade PVC insulated FRLS wires drawn through 2mm thick, suitable size FR PVC conduit in concealed manner using necessary conduit accessories like junction boxes, Switch boxes, modular double plate and inner plate shall be of metal, bends, collars, ceiling roses, 6A/16A switches, Fan regulator and hook boxes, etc., and shall be flush mounted in brick wall or in the built up furnitures or on the surface of wall for surface installation as required. The rate for point wiring shall include the wiring from first point (light/switch) and then looping between lights/fans/6A socket outlets etc., Also the rate shall include earthing of each light, fan outlet boxes, switch control boxes, 6A sockets, (switches & sockets shall be of Anchor roma make /equivalent). The rate shall also include cost of civil works involved in fixing of boxes, replastering of walls chased. All the switch / sockets shall have stickers for identification Single light point controlled by 2 nos. 2Way 6A SP switch. Two light point controlled by 2 nos. 2Way 6A SP switch. Two light point controlled by a 6A SP switch Two light point controlled by a 6A SP switch Ceiling fan point controlled by a 6A SP switch wITHOUT fan regulator. The rate shall include cost of fan hook, switch outlet box etc., all complete as required. Exhaust fan point (Single phase) controlled by a 6A SP switch and ceiling rose near the exhaust fan. Supply and wiring for call bell point with 3 x 1.5sqmm PVC insulated copper conductor FRLS wires in 20mm dia FR PVC conduit, including providing bell push with outlet box, inter-connectioin to the lighting circuit for power supply. LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC: Supply & Drawing power wiring circuit /	Nos Nos Nos Nos Nos Ros Nos Ros Ros Ros Ros Ros Ros Ros Ros Ros	50 1 20 6 6 6 3 1		
6.0 a) C. 1.0 1.0 b) c) d) e) f) 2.0 2.1 2.2 2.3 2.4 2.5	UPVC Trunking 100 x 50 mm PART - B TOTAL AMOUNT PART - C WIRING SYSTEM Supply & Wiring for Lights, Ceiling fans, exhaust fan and 6A socket outlets using 3 x 1.5 sqmm flexible copper, 1100 volts grade PVC insulated FRLS wires drawn through 2mm thick, suitable size FR PVC conduit in concealed manner using necessary conduit accessories like junctions boxes, Switch boxes, modular double plate and inner plate shall be of metal, bends, collars, clans, coiling rosens, 6A/16A switches, Fan regulator and hook boxes, etc., and shall be flush mounted in brick wall or in the built up furnitures or on the surface of wall for surface installation as required. The rate for point wiring shall include the wiring from first point (light/switch) and then looping between lights/fans/6A socket outlets etc., Also the rate shall include earthing of each light, fan outlet boxes, switch control boxes, 6A sockets, (switches & sockets shall be of Anchor roma make /equivalent). The rate shall also include cost of civil works involved in fixing of boxes, replastering of walls chased. All the switch / sockets shall have stickers for identification Single light point controlled by a 6A SP switch. Two light point controlled by a 6A SP switch. Two light point controlled by a 6A SP switch. Three light points controlled by a 6A SP switch Three light points controlled by a 6A SP switch. Three light point controlled by a 6A SP switch Ceiling fan point controlled by a 6A SP switch Three light points controlled by a 6A SP switch Supply and wiring for call bell point with 3 x 1.5sqmm PVC insulated copper conductor FRLS wires in 20mm dia FR PVC conduit, including providing bell push with outlet box, inter-connection to the lighting circuit for power supply. LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC: Supply & Drawing power wiring circuit /sub mains using flexible, copper conductor, FRLS wires of 1100V grade, PVC insulated wires drawn in 2mm thick suitable size FR PVC conduit. 2 x 1.5 sqmm Copper wires in 20 mm dia PVC co	Nos Nos Nos Nos Nos Ros Rmtr. Rmtr. Rmtr. Rmtr.	50 1 20 6 6 6 3 1		
6.0 a) C. 1.0 b) c) d) e) f) g) h) 2.0 2.1 2.2 2.3 2.4 2.5 2.6	Supply and fixing of UPVC trunking. The rate shall include cost of necessary fixing accessories as required. UPVC Trunking 100 x 50 mm PART - B TOTAL AMOUNT PART - C WIRING SYSTEM Supply & Wiring for Lights, Ceiling fans, exhaust fan and 6A socket outlets using 3 x 1.5 sqmm flexible copper, 1100 volts grade PVC insulated FRLS wires drawn through 2mm thick, suitable size FR PVC conduit in concealed manner using necessary conduit accessories like junction boxes, Switch boxes, modular double plate and inner plate shall be of metal, bends, collars, ceiling roses, 6A/16A switches, Fan regulator and hook boxes, etc., and shall be flush mounted in brick wall or in the built up furnitures or on the surface of wall for surface installation as required. The rate for point wiring shall include the wiring from first point (light/switch) and then looping between lights/fans/6A socket outlets etc., Also the rate shall include earthing of each light, fan outlet boxes, switch control boxes, 6A sockets, (switches & sockets shall be of Anchor roma make /equivalent). The rate shall also include cost of civil works involved in fixing of boxes, replastering of walls chased. All the switch / sockets shall have stickers for identification Single light point controlled by 2 nos. 2Way 6A SP switch. Two light point controlled by 2 nos. 2Way 6A SP switch. Two light point controlled by a 6A SP switch Two light point controlled by a 6A SP switch Ceiling fan point controlled by a 6A SP switch wITHOUT fan regulator. The rate shall include cost of fan hook, switch outlet box etc., all complete as required. Exhaust fan point (Single phase) controlled by a 6A SP switch and ceiling rose near the exhaust fan. Supply and wiring for call bell point with 3 x 1.5sqmm PVC insulated copper conductor FRLS wires in 20mm dia FR PVC conduit, including providing bell push with outlet box, inter-connectioin to the lighting circuit for power supply. LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC: Supply & Drawing power wiring circuit /	Nos Nos Nos Nos Nos Ros Nos Ros Ros Ros Ros Ros Ros Ros Ros Ros	50 1 20 6 6 6 3 1		

4.0	POWER RECEPTACLES				
	DOMESTIC TYPE:				
	Supply & fixing of 3/5 pin, commerical combination type socket outlet with indicator mounted on a outlet box with necessary interconnection.				
	The box shall be flush mounted in brick/stone wall. The switches shall be of type Anchor roma make / equivalent. The rate shall also include				
	cost of civil works involved in fixing of boxes, replastering of walls chased. All the switch / sockets shall have stickers for identification				
4.1	RAW/UPS- POWER SOCKET				
a)	6A socket outlet controlled by 6A SP Switch	Nos.	28		
b)	2 Nos. 6A socket outlet controlled by 2 Nos. 6A SP Switch	Nos.	2		
c)	6/16A socket outlet controlled by 1 Nos. 16A SP Switch	Nos.	5		
d)	16A Master switch with indicator	Nos.	0 12		
e) f)	6 A dependant point on lighting switch boards		14		
	6A, Sockets near wall Fan in a 2M box with plates	Nos.	20		
	3 Nos. 6A socket outlet controlled by 1 Nos. 16A SP Switch with indicator in a separate Box, plates on the table top for UPS points	Nos.	4		
	2 Nos. 6/16A socket outlet controlled by 2 Nos. 16A SP Switch with indicator	Nos.	4		
5.0	INDUSTRIAL SOCKETS:			1	
5.1	Supply, installation, testing and commissioning following sizes MCB in IP 65 Weather proof enclosure. The rate shall include cost of MCB				
- >	isolator. The MCB shall be wall mounted using necessary brackets and fixing accessories.	C-4	0		
a)	25/32A, 3 Nos x 2P MCB as isolator (D curve) for local AC controls PART - C TOTAL AMOUNT	Set	U		
	PART - D PART - D				
D.	SUPPLY AND INSTALLATION OF LIGHT & FAN FIXTURES				
	Supply, installation, testing and commissioning of following type light and fan fixtures with all necessary fixing accessories as required. The				
1.0	efficacy of the LED lamp shall be not less than 100lm/Watt				
	Circacy of the LLD famp shall be not less than 100mb wat				
1.1	1 x 20W, 5700K, 4 Feet LED tube, Surface/suspension light fixture with extruded Aluminium channel 4 feet with high transulent serrated milky	Nos.	25		
	white diffuser, robust and high performance batten. LED luminaire shall comprise of extruded channel in thermally conductive material. High				
	translucent serrated milky white diffuser to get glare free and smooth light distribution. Efficacy: 100				
	lumen/watt similar to Crompton make cat no.LDL-20-CDL or equivalent matching specifications as per NIT.				
1.2	1x 36W,5700K, 4 Feet LED tube, Surface/suspension light fixture with extruded Aluminium channel 4 feet with high transulent serrated milky	Nos.	1		
	white diffuser, robust and high performance batten. LED luminaire shall comprise of extruded channel in thermally conductive material. High				
	translucent serrated milky white diffuser to get glare free and smooth light distribution. Efficacy: 100				
	lumen/watt similar to Crompton make cat no.LDL-36-CDL or equivalent matching specifications as per NIT.				
1.4	15W LED Recess down Lighter Slim design ,recessed round polycarbonate housing with superior light output and integral driver. Efficacy	Nos.	12		
	100lm/w similar to Crompton make Cat type LCDEP-15-CDL or equivalent matching spec in NIT.				
1.5	5-6 W LED Recess down Lighter Slim design ,recessed round polycarbonate housing with superior light output and integral driver. Efficacy	Nos.	26		
	100lm/w similar to Crompton make Cat type LCDEP-06-CDL or equivalent.				
1.7	36 watts,5700k, LED Recessed full lit luminaire with glare free uniform illumination with longer life and less maintenance. 2X2 LED Backlite	Nos.	45		
1.7	Luminaire Recess Mounted Type comprises CRCA sheet metal body powder coated in white Efficacy: 118 lumen/watt Make:- Crompton-	1105.	43		
	LCTLRNE-36-FO-CDL or equivalant matching specifications as per NIT.				
1.0		3.6-	25		
1.8	Supply and Installation of LED STRIP indoor, 24W / 5meter including driver and necessary fixing accessories as required	Mts	25		
1.9	Supply and fixing of (5 * STAR) RATED 1200mm sweep, ceiling fan without fan regulator and shall be of Crompton / Havells or equivalent	Nos.	6		
	with Remotes.				
1.10	Supply and fixing of 400mm wall mounted fan of crompton /equivalent with metal body only.	Nos.	14		
1.11	Supply and fixing of 150/25mm dia single above. MEDUM DUTY orbotating with appropriate large burley.	Mag	4		
	Supply and fixing of 150/225mm dia. single phase. MEDIUM DUTY exhaust fan with necessary angle iron bracket. Supply & fixing of Timer for UPS room Exhaust Fans/AC	Nos.	1		
1.12	Supply & Talling of Timer for Or 5 100H Extraust Falls/AC	1105.	1	ļ	

					I
2.0	INSTALLATION OF LIGHT & FAN FIXTURES (existing)				
	Installation of 15/5W LFD surface / recess down lighter	Nos	0		
	PART - D TOTAL AMOUNT				
	PART - E				
E.	EARTHING SYSTEM				
1.0	Supply & installation of 38mm dia, 2.5 Mtr. long G.I.pipe electrode earthing station complete with manholes, brick masonry chamber, heavy duty CI covers, funnel etc., The cost shall also include providing of salt and charcoal layer by layer, excavation and back filling etc., all complete as required and shall confirm to IS - 3043.	Set	2		
2.0	Supply & installation of 600 x 600 x 3 mm, copper plate earthing station complete with GI pipe, manholes, brick masonary chamber, heavy duty C I covers, funnel, etc., The cost shall also include providing of salt and charcoal layer by layer, excavation and back filling etc., all complete as required and shall confirm to IS - 3043.	Set	2		
3.0	Supply, installation & connecting of G.I.tape /wire being clamped to walls, cable trays, ladders, run in pipes with Sleeves etc, laid underground etc.,as required including interconnection between the earth stations etc.,all complete as required. (Note: The excavation and back filling is measured separately).				
a)	2x8 swg. Cu. wire	M	60		
	PART - E TOTAL AMOUNT				
	PART - F				
F.	TELEPHONE SYSTEM				
1.0	Supply and laying of 2mm thick FR PVC conduit with all necessary accessories like junction boxes, pull boxes. G.I fish wires and other fixing accessories as required. The rate shall also include chasing of walls, floor and plastering of the chased portion etc; all complete as required.				
a)	20mm dia	M	200		
2.0	Supply and wiring for telephone outlet with 0.51mm dia, copper conductor, PVC insulated, unarmoured, telephone cable in existing conduit.				
2.1	2 pair	M	600		
3.0	Supply and wiring of multicore 0.51mm, copper conductor, PVC Insulated, PVC sheathed, armoured telephone cable laid drawn through existing trench/cable tray / wall supports with all necessary accessories as required.				
a)	5 Pair Cable	M	0		
	20 Pair Cable	M	15		
4.0	Supply and installation of clip on plug type telephone outlet with interconnection of the outlet. The cover plate of telephone shall match with the other wiring accessories. (Telephone socket outlet shall be of modular of type Anchor roma / equivalent).	Nos.	12		
5.0	Supply, installation, testing & commissioning of telephone junction box. The junction box shall be with sheet steel enclosure enclosing krone connector and shall be provided with padlock arrangement.				
a)	5 Pair TJB.	Nos.	0		
	10 Pair TJB.	Nos.	1		
c)	20 Pair TJB.	Nos.	1		
d)	50 Pair TJB.	Nos.	0		
7.0	Supply, installation, testing and commissioning of Analog EPABX with following features, Makes:- Syntel/NEC etc having				
	4nos. Analog Trunk Interface				
	12 Nos. Analog Extensions Interface				
	Built in STD/ISD WITH DYNAMIC LOCK				
	Call forwarding/intercom				
	Call Back on Busy Extnions/trunk				
	Call Transfer			1	
	Call Camp ON, Barge In, Abbrivated Dialing (Personal/Global)				
	Caller Line Identification, Confernce Facility etc	no	1		
8.0	Supply, installation, testing and commissioning of Analog table mounted telephone instrument of make Beetel B-11 / equivalent	Nos.	10		

	PART - F TOTAL AMOUNT			
	PART - G			
G.	DATA SYSTEM			
1.0	Supply and laying of 2mm thick FR PVC conduit with all necessary accessories like junction boxes, pull boxes. G.I fish wires and other fixing accessories as required. The rate shall also include chasing of walls, floor and plastering of the chased portion etc all complete as required.			
	accessories as required. The rate shall also include chasing of walls, noor and plastering of the chased portion etc an complete as required.			
a)	25 mm dia	M	285	
2.0	Supply, installation of Dual RJ-45, CAT -6 information outlet with necessary back mount box and other fixing accessories. (socket outlet			
	shall be of modular of type Dilink / equivalent) .	Nos.	12	
	Supply, drawing and connecting of cat-6, UTP cable in existing conduit for LAN network.	M	850	
	Supply and connecting of UTP cat -6 mounting cords			
a)	4'0" long	Nos.	24	
b)	7' 0'" long	Nos.	14	
5.0	Supply, installation, testing & commissioning of patch panel with CAT-6 I/O mounted on existing rack with all necessary fixing accessories. The rate shall include cost of ferrule, numbering, stickering & necessary fixing accessories as required			
a)	24 port jack panel	Nos.	1	
6.0	Supply, installation, testing & commissioning of 600mm width, 500mm depth wall mounted, closed rack with 1 PDU 1 tray1 cable manager and all necessary fixing accessories as required.			
a)	9 U rack	Nos.	0	
b)	12 U rack	Nos.	1	
c)	15 U rack	Nos.	0	
	PART - G TOTAL AMOUNT	1103.	Ü	
	PART - H			
	2.5552 2.5			
H.	TV SYSTEM			
1.0	Supply and installation of T.V. Co-axial socket outlet with inter connection of the outlet The cover plate of T.V. Co-axial socket outlet shall	Nos	0	
	match with other wiring accessories. (The socket outlet shall be of make Anchor roma /equivalent) The rate shall also include cost of civil			
	works involved in fixing of boxes.			
2.0	Supply & drawing of RG 6 co-axial cable in existing conduit.	M	0	
3.0	Supply and laying of 2mm thick FR PVC conduit with all necessary accessories like junction boxes, pull boxes. G.I fish wires and other fixing		0	
	accessories as required. The rate shall also include chasing of walls, floor and plastering of the chased portion etc all complete as required.			
a)	25 mm dia	M	0	
	PART - H TOTAL AMOUNT			
	PART -I			
	PA SYSTEM			
1.0	Supply and wiring as per colour code transparent speaker cable 1.0 sqmm PVC insulated stranded copper wires in ISI grade 20mm conduit for speakers.	M	150	
2.0	Supply and providing 9W recessed type speakers on ceiling CS 663 T Ahuja make speaker.	Nos	8	
	PART - I TOTAL AMOUNT			
	PART - J			
J.	MISCELLANEOUS WORKS:			
1.0	Supply and laying of 2mm thick FR PVC conduit with all necessary accessories like junction boxes, pull boxes. G.I fish wires and other fixing accessories as required. The rate shall also include chasing of walls, floor and plastering of the chased portion etc., all complete as required.			
a)	20mm dia	M	30	
b)	25 mm dia	M	25	
c)	32mm dia	M	10	
	Electrical safety - RUBBER mats of 1.1kV grade 1.8mx.0.9m	Nos	1	
	Supply and fixing : of 1nos First aid kit, Safety chart, Danger boards-2nos , No Admission boards-1nos	set	1	
4.0	Dismantling of existing wiring, conduit, light fixtures, ceiling fan, exhaust fan, light plug, switch boards, DB's. LT cables, determination cables,	LS	1	
	complete dismantling of electrical components in the building and making good of the damages to surfaces, Bundling all the wires, cables, and			
1	securing of all other dismantled materials and storing it, at the location allotted / identified by the project manager within in the premises, all			
	complete as required.			
	Submitting as built drawings for Data Nw & electrical SLD for entire works	job	1	
6.0	Submission of complete Data reports for valid measurements through caliberated machines	job	1	
<u> </u>	TOTAL:-			
Щ_	GST EXTRA AS APPLICABLE			