PRICE	BID OF ITEMS FOR ELECTRICAL WORK AT KASTURBA	BR 4			ΗΟΡΔΙ
	Description of items	Qty	Unit	Rate	Amount
(A)	ELECTRICAL WIRING WORK				
	Note: Use of Flexible conduits & Elbows in Circuit				
	wiring is not allowed except in exceptional site				
	conditions with the approval of Bank's Engineer /				
	Architect and All wiring laying in the MS/PVC conduit				
	strictly follow IE(Indian Electricity) rules follow in all				
	items of project/ work execution. Proper ferrules, lux,				
	thimble , gland termination to be done in all cabling &				
	wiring from both load/source end. Conduit carrying				
	submain will not carry circuit/point wiring. Similarly				
	conduit carrying circuit wiring will not carry				
	submain/point wiring. Conduit carrying point wiring				
	will not carry submain/circuit wiring.				
1	ELECTRICAL WIRING				
-	Providing, fixing, testing and commissioning of POINT				
	WIRING of any length for light point/Wall fan point/Exhaust				
	fan point/ Call bell point/ including call bell/ including fan				
	box(if required), 'S' type fan hook etc with 1.5 Sq.mm				
	(Phase/Neutral/Earth) PVC 650V/1100V Grade FR				
	insulated copper conductor single core multi stranded wire				
	in 16 SWG(Medium Gauge) stove enameled rigid steel				
	conduit 20mm/25mm with conduit accessories like bend,				
	junction box etc in concealed/surface manner as per site				
	requirement with suitable Modular Switches/Sockets with				
	plate and Metal box,Saddle, angle bracket (if required), 3				
	plate ceiling rose/bulb holder etc. The floor/roof/wall				
	junction box should be of MS(heavy duty) box of suitable				
	size and covered with Steel finish Steel cover sheet by				
	screw tight and gasket to avoid water/dust insertion. The				
	above wiring is to be				
	carried out on surface or recess in wall/floor/roof should be				
	cutting by cutter/chiseling, re-plastering, curing, painting				
	with uniform and smooth finish by specialized workman ship				
	and making the surface neat after wards complete in all				
	respect as per direction of Bank Engg. (EACH Circuit to				
	take NOT MORE than 3 points) The conduit/ Flexible				
	conduit/junction box/metal modular box etc must be joined				
	by gland and check nut at both ends. (each circuit to be				
	controlled by one MCB). The colour code of wire are as				
	under:				

S.No	Description of items	Qty	Unit	Rate	Amount
	Phase- Red/yellow/blue, Neutral- Black, Earth-Green Make of Material for items of BOQ:- (i) Modular Type Switch/socket/step electronic fan regulator, plate, box, TV/telephone, bulb holder/3 pin ceiling rose with all accessories:- Lergand/ Anchor(Roma)/MK/ Crabtree (ii) MS conduit conduit with all accessories:- BEC/AKG/NIC/Precision (iii) PVC insulated copper wire (FR) 1.5 sqmm multi strand 650V/1100 V grade:- Finolex/RR Kabel/ Polycab.				
а	Providing and fixing of point wiring with above specifications. One light point controlled by one switch.	65	Nos.		
b	Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch.	20	Nos		
C.	Providing and fixing of ceiling fan point controlled as under (i) one 6/10 amp switch (ii) one no. stepped electronic regulator of two module type.	6	Nos.		
d	providing and fixing 6/10 Amps Plug Points with same specs as above and install along with same light switchboard		Nos		
2	6/10 AMP. POINTS ON SEPARATE BOARD :				
	Supply,fixing,testing and commissioning of 1 No 6/10 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Minimum two and Maximum three points are loop with one circuit as mentioned below circuit wiring to be paid separately) and two circuits in one 25sqmm MS Stove enamelled 16 SWG conduit pipe.	17	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
3	Power Wring (6 / 16 AMP. POWER POINTS)				
	Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No. six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate, sheet steel box etc on surface / concealed manner I/c electrical wiring with 3 wires (Phase/Neutral/Earth in 4/4/2.5 sqmm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit and making good all the				
	damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Maximum two points are loop with one circuit as mentioned below. (circuit wiring Included)	13	Nos		
		10	1103		
4	SPECIAL POINTS : (For Computers)				
	Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner I/c including wiring 3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board) in suitable size of 16 SWG, stove enamelled MS conduit as per IS code, with Max of two circuits per conduit. and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6/10 A Switch + 3 Nos. 6 /10 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned below. (circuit wiring Included)				
		18	Nos		
	AC/Covers Daint (Single Dhase)				
5	AC/Geyser Point (Single Phase) Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings : Metal Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosure plate and box 1 set i/c electrical wiring with 3 wires (Phase/Neutral/Earth in 4/4/2.5 sqmm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit and making good all the damages, painting, cleaning the site etc complete including all accessories as required as per site requirement and as directed by Bank Engineer. Note Only one Point is Connected on one Circuit) (circu wiring Included)				
		11	Nos		
		-			

S.No	Description of items	Qty	Unit	Rate	Amount
6	AC Point (Three Phase)				
a.	Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. Cassette power point with the followings : Metal enclose Four way with one Nos 32 Amp MCB with complete Enclosure plate and box 1 set i/c with wiring 4 wires (R,Y,B Phase /Earth in 4/4/4/2.5 sqmm PVC insulated copper conductor single core multi stranded wire in 16 swg stove enameled rigid steel conduit and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed. (Only one point is connected with one circuit as mentioned below : Note circuit wiring to be paid separately)	2	Nos		
7	CIRCUIT WIRING :				
	Supplying, providing circuit wiring for Power/UPS with following PVC insulated copper conductor single core multi stranded wire (HRFR) in mentioned conduit i/c electrical connections in suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia,16 SWG (Medium Gauge) thickness rigid MS conduit with conduit accessories like bend/junction box/ fan box etc with cover plate, sheet steel box/ PVC modular box etc on surface/ concealed manner i/c electrical connections and making goods all the damages, replastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box should be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. The length of circuit upto 30 meter length or less as per site condition/requirement Make of Material (i) MS conduit/PVC conduit with all accessories:- BEC/AKG/NIC/Precision (ii) PVC insulated copper wire(FR) 650V/1100 V grade:- Finolex/RR cable/ Havells				
а	3 X 2.5 sqmm (For Light Circuit) in suitable size of 16 SWG, stove enamelled MS conduit as per IS code with Max of two circuits per conduit	400	Mtr	#REF!	
b	3 X 4 Sqmm copper multi strand wire in suitable size of 16 SWG, stove enamelled MS conduit as per IS code.	10	R.Mtr		
С	5 X 4 Sqmm. Copper multi strand wire in suitable size of 16 SWG, stove enamelled MS conduit as per IS code. (For Cassette AC)	125	R.Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
d	3 X 6 Sqmm copper multi strand wire in suitable size of 16				
	SWG, stove enamelled MS conduit as per IS code.				
		10	R.Mtr		
е	2 x 10 Sqmm copper multi strand wire in 25 mm 16 SWG,				
	stove enamelled MS conduit as per IS code.(UPS INPUT				
	DB TO UPS)	20	R.Mtr		
8					
	All MCB to be "C" series				
	Supply, installation, Testing and commissioning of the surface/recess mounting following ways MCB DB's 230/415				
	Volts with tinned copper busbar, neutral bar, earth bar, din				
	bar detachable gland plate, interconnection and making				
	good all the damages, painting, cleaning the site etc				
	complete as required as per site requirement. All MCCB				
	has braking capacity is 16KA and ALL MCB/ELCB has				
	breaking capacity has 10 KA.				
-					
а	MAIN DISTRIBUTION BOARD ITEM				
	Supplying, installation, testing and commissioning of indoor				
	type, thereon complete with enclosures, gaskets and				
	interconnections, connection as per following specification				
	complete Cable entry : Provision at bottom and upper sides.				
	Cable entry . Frovision at bottom and upper sides.				
	INCOMER -				
	1 Nos 63 A -3 phase with Neutral Manual onload change				
	over switch with Encloser (manual) 'C" Line or EQ				
		1	Nos		
	1 Set - 3 Nos Kit Kat Rewirable Porcelian fuse carrier &				
	base with wooden frame of 125 amp/415 Volt near meter				
	box	1	Nos		
	2 – Nos 63 Amp 10 Ka TPMCB (for Generator & Main		Naa		
	Supply before Change over switch)	2	Nos		
b	Providing & fixing 6 way vertical load line D.B with Metal				
D	door for main supply,				
	INCOMER -				
	100 Amp 16 KA MCCB				
	OUTGOINGS				
	1 Nos 63 Amp 10 KA TPN				
	2 Nos TPMCB 10 KA 25 Amp				
	9 Nos 20 Amp 10 KA SPN				
	SET AS Above	1	NOS		
1		•			

S.No	Description of items	Qty	Unit	Rate	Amount
С	1 Nos. 100 Amp. Electrolytic grade Aluminum Bus Bars insulated with colored Heat Shrin Kabel PVC Sleeves & duly supported on SMC/DMC molded supports with Antitracking barriers for main supply ISI Marked				
		1	Nos		
d	Providing and fixing 12 way SPN double door DB for LIGHT/ POWER POINTS				
	INCOMER -				
	32 Amp DP 10 KA				
	OUTGOINGS				
	6/10/16/32 Amp SPMCB 10 Nos.				
	SET AS Above	2	NOS		
е	Providing and fixing (4) way TPNDB For UPS INPUT/ OUTPUT				
	INCOMER				
	32 A TP MCB 10 KA				
	OUTGOINGS				
	32 A DP MCB 10 KA FOR UPS OUTPUT				
	10 NOS. 10 AMP SP MCB	2	NOS		
9	CABLES				
	Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of GI wire of 8 SWG size.The size of cables are as under:-Make of Material:- (i) PVC/XLPE Armoured cable:- Finolex, RR Kabel, KEI, Polycab, (ii) Cable Termination:- Dowells, Comet				
а	3.5 X 35 Sq.mm XLPE. Al. armoured Cable for Main Supply.	60	Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
b	4X 16 Sq.mm XLPE Al.armoured Cable to supply power to				
	UPS Room, AC & Power Distribution board, etc.				
		50	Mtr		
С	1X10 Sq.mm Single Core Copper Cable (for Inter				
	Connecting Supply from Vertical Load Line DB to Out				
	Going Distribution Board.	30	Mtr		
10	EARTHING				
(i)	COPPER PLATE EARTH STATION: (Dedicated earthing				
	to UPS Supply Only)				
	Preparation of the Plate Earth Station:(As per IS:3043)				
	(a) Excavation of hard rocky earth, soft murrum, hard				
	murrum etc and back filling with black cotton soil for the				
	earth station, the earth pit size is 1000 mm X 1000 mm X				
	2500 mm.				
	(b) Supply and fixing of Copper Plate of Size 600 mm X 600				
	mm X 3.0 mm thick.				
	(c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from				
	Copper Plate to earth terminal including brazing/welding at				
	plate etc.				
	(d) Supply and laying in position 19 mm, 2 Mtrs G.I "B"				
	Class pipe for watering with reducer/funnel with mesh.				
	(e) Supply and Fixing of the following in the earth station.				
	(i) 75 Kg. Charcoal.				
	(ii) 15 Kg. Original Salt.				
	(iii) Black Cotton soil of adequate amount.				
	(f) Construction of earth pit chamber including necessary				
	brick work concrete, plastering, S/F of C.I Cover of size 12"				
	X 12" complete as per site requirment.				
		1	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
(ii)	G.I.PLATE EARTH STATION : (Dedicated Each Earthing				
	to Power supply & Neutral Earthing)				
	Preparation of the Plate Earth Station: (as per IS:3043)				
	(a) Excavation of rocky earth, soft murrum, hard murrum				
	etc and back filling with black cotton soil for the earth				
	station, the earth pit size is 1000 mm x 1000 mm x 2500				
	mm deep.				
	(b) S/F of G.I. plate of size 600 x 600 x 6.0 mm thick.				
	(c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I, strips from				
	G.I.plate to earth terminal including brazing / welding at				
	plate etc.				
	(d) Supplying and laying in position 19 mm, 2 mtrs G.I. `B'				
	class pipe for watering.with reducer/funnel with mesh.				
	(e) S/F of the following in the earth station.				
	75 Kg. Charcoal, 15 Kg. Original Salt. And Black Cotton soil				
	of adequate amount.				
	(f) Construction of earth pit chamber including necessary				
	brick work concrete, plastering, S/F of C.I. Cover of size 12"				
	x 12" complete as per site req.and marking its value and				
	identification etc.				
		2	Nos		

(iv) S 11 O S o	Providing and fixing Copper/GI strip as per specification compete including connection to earth electrode evetting/sweating/soldering, burying 15 cms below in all ypes of soil/rocks etc complete as required a) Copper Strip 25 X 5 mm b) G.I.Strip 25 X 5 mm Supply and laying of 10 Sq.mm 650V/1100 V PVC grade nsulated copper wire in 15 mm G.I. Pipe ISI grade ncluding all accessories complete as required.(Dedicated Earthing for UPS output DB only)	20 20	Mtr. Mtr Mtr.	
(iv) S in in Ei 11 O S o	b) G.I.Strip 25 X 5 mm Supply and laying of 10 Sq.mm 650V/1100 V PVC grade nsulated copper wire in 15 mm G.I. Pipe ISI grade ncluding all accessories complete as required.(Dedicated Earthing for UPS output DB only) DCCUPANCY SENSORS:- Supply, installation , testing and commissioning of	20	Mtr	
(iv) S in in Ei 11 C S o	Supply and laying of 10 Sq.mm 650V/1100 V PVC grade nsulated copper wire in 15 mm G.I. Pipe ISI grade ncluding all accessories complete as required.(Dedicated Earthing for UPS output DB only) DCCUPANCY SENSORS:- Supply, installation , testing and commissioning of			
in Ei 11 O S ou	nsulated copper wire in 15 mm G.I. Pipe ISI grade ncluding all accessories complete as required.(Dedicated Earthing for UPS output DB only) DCCUPANCY SENSORS:- Supply, installation , testing and commissioning of		Mtr.	
S	Supply, installation , testing and commissioning of			
co H	accupancy sensor surface/recess mounted as per site condition complete with all wiring/conduit/Switch etc complete in all respect as per site condition as required Honeywell Make K5015/16, Siemens/Johnson Control DR Equivalent as per Bank's approved.		Nos	
40 T				
S te	FELEPHONE POINT Supplying, Installation, testing and commissioning of the elephone point with the followings			
cr ai oi le T m cr (M ai st cr cr bi cr ai	Two pair, 0.61 mm dla. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, colour coded twisted pairs and rip cord, Double butlet The length of telephone cable upto 35 meter length or ess as per site condition with shutter modular type Telephone Outlets (RJ — 11) wth suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia,1.5mm Medium Gauge) thickness rigid PVC conduit with conduit accessories like bend/junction box/cover plate/sheet steel/PVC box on surface/ concealed manner i/c electrical connections and making goods all the damages,re plastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box should be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. Make of Material:- Delton/Finolex/RR Kabel		Nos	

(ii) Supplying and fixing of krone telephone tag block on surface/ recess mounted with its accessories suitable for the multi core telephone cable and shall accommodate linplated phosphor bronze connectors, the connectors shall be terminate both incoming and out going lines, the tag blocks shall be mounted inside, water proof box and locking arrangement and shall be fully accessible. 1 Nos 13 DATA CABLING FOR LAN 1 Nos 13 DATA CABLING FOR LAN 2 Supply and fixing of modular type Information Outlets (RJ-45) with suitable size 1.5mm PVC Conduit, modular boxes complete with insulation displacement connectors etc suitable for CAT 6 UTP Cabling. 26 Nos. a One Port. 26 Nos. 4 b Providing, fixing,testing and commissioning of CAT 6 LAN cable in suitable size 0 20/26mm 1.5mm PVC conduit including all accessories to interconnect the switches from different location. 850 Mtr C Providing and fixing 10/100 /1000Mbps DGS series Rack mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base TX CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) <t< th=""><th>S.No</th><th>Description of items</th><th>Qty</th><th>Unit</th><th>Rate</th><th>Amount</th></t<>	S.No	Description of items	Qty	Unit	Rate	Amount
13 DATA CABLING FOR LAN Supply and fixing of modular type Information Outlets (RJ- 45) with suitable size 1.5mm PVC Conduit, modular boxes complete with insulation displacement connectors etc suitable for CAT 6 UTP Cabling. a One Port. 26 b Providing, fixing,testing and commissioning of CAT 6 LAN cable in suitable size of 20/25mm 1.5mm PVC conduit including all accessories to interconnect the switches from different location. #REF! C Providing and fixing 10/100 /1000Mbps DGS series Rack mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX Port . 24 ports complete D-Link make 1 Nos. d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos f) Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos	(ii)	surface/ recess mounted with its accessories suitable for the multi core telephone cable and shall accommodate tin- plated phosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and shall be terminate both incoming and out going lines, the tag blocks shall be mounted inside, water proof box and locking arrangement and shall be fully accessible.				
Supply and fixing of modular type Information Outlets (RJ- 45) with suitable size 1.5mm PVC Conduit, modular boxes complete with insulation displacement connectors etc suitable for CAT 6 UTP Cabling. a One Port. b Providing, fixing,testing and commissioning of CAT 6 LAN cable in suitable size of 20/25mm 1.5mm PVC conduit including all accessories to interconnect the switches from different location. B Providing and fixing 10/100 /1000Mbps DGS series Rack mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX Port . 24 ports complete D-Link make 1 Nos. d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) f) Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) f) Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) f) Providing and fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. g) Wall mounted RACK i for 1 Mt. long 			1	NOS		
Supply and fixing of modular type Information Outlets (RJ- 45) with suitable size 1.5mm PVC Conduit, modular boxes complete with insulation displacement connectors etc suitable for CAT 6 UTP Cabling. a One Port. b Providing, fixing,testing and commissioning of CAT 6 LAN cable in suitable size of 20/25mm 1.5mm PVC conduit including all accessories to interconnect the switches from different location. B Providing and fixing 10/100 /1000Mbps DGS series Rack mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX Port . 24 ports complete D-Link make 1 Nos. d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) f) Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) f) Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) f) Providing and fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. g) Wall mounted RACK i for 1 Mt. long 	13	DATA CABLING FOR LAN				
b Providing, fixing,testing and commissioning of CAT 6 LAN cable in suitable size of 20/25mm 1.5mm PVC conduit including all accessories to interconnect the switches from different location. #REF! C Providing and fixing 10/100 /1000Mbps DGS series Rack mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX Port . 24 ports complete D-Link make 1 Nos. d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos e Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels et including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos		Supply and fixing of modular type Information Outlets (RJ- 45) with suitable size 1.5mm PVC Conduit, modular boxes complete with insulation displacement connectors etc				
cable in suitable size of 20/25mm 1.5mm PVC conduit including all accessories to interconnect the switches from different location. 850 Mtr C Providing and fixing 10/100 /1000Mbps DGS series Rack mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX Port . 24 ports complete D-Link make 1 Nos. d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos e Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos f) Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos.	а	One Port.	26	Nos.		
mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX Port . 24 ports complete D-Link make 1 Nos. d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos e Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos e Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos f) Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos i) for 1 Mt. long 20 Nos. 1	b	cable in suitable size of 20/25mm 1.5mm PVC conduit including all accessories to interconnect the switches from	850	Mtr	#REF!	
d Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos e Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos f) Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos.	С	mounted switch) CAT 6 suitable for auto-sense the network speed of the connected nodes to run at either 10 /100/1000 Mbps. The pt also auto negotiate between full/ half duplex and cable cross over. 24 RJ 45 10 base-T/100 base - TX	1	Nos		
e Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos f) Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos	d	CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link				
f) Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK 1 Nos g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) 1 Nos i) for 1 Mt. long 20 Nos.	е	Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link				
g Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) Image: Constant content of the content	f)	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete.	1	Nos		
	g		I	1105		
ii) for 2 Mt. long 20 Nos	i)	for 1 Mt. long	20	Nos.		
	,					

S.No	Description of items	Qty	Unit	Rate	Amount
14	TV POINT:- Supply, installation, testing and commissioning of TV point(Modular) with RG-6 cable in the 1.5 mm PVC Conduit with all accessories complete in all respect	-			
	Conduit with all accessories complete in all respect	1	Nos		
15	Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch Off at Night", Switch Off For Safety, PDB,				
	LDB, VDB_etc	10	Nos		
16	Making & Providing of 3 sets of built Drawing with coloured print for entire Electrical work				
	(Power/UPS/Light/Data/Telephone/AC etc.) as advised by		Lum		
	the Bank's Authority.	1	sum		
	TOTAL:- (B) ELECTRICAL WORK				
	TOTAL IN WORDS:-				
(B)	LIGHT AND FAN FIXTURES				
	Description of light /fan fixture				
	Supply and Installation, Testing and commissioning of the				
	following fittings / equipments in surface/recess mounted as				
	directed etc down rods of size upto 300 mm where ever				
	required with ball sockets, anchor fastener etc complete as				
	per site conditions. All fittings should be hang with suitable				
	size of GI wire to four corner of fittings to the RCC rooftop				
	with suitable size of anchor fastener/heavy gauge screw.				
	The necessary arrangement is made by the contractor to				
	install fittings in false ceiling especially 2'X2' and 4'X1' etc.				
	as per instruction of Bank Engg.				
(a)	LED LUMINARES:- 2' x2' (FULL GLOW TYPE)				
	LED light fittings (600 X600mm) dimension suitable for				
	grid/gypsum ceiling complete with its electronic driver as				
	required per instruction of Bank's Model No are as under:-				
	MAKE -PHILIPS, WIPRO, CROMPTON, BAJAJ & JAGUAR,				
	22 W fitting				
	32 W fitting				
		40	Nos		
(b)	LED DOWNLIGHTER:				
	15 Watt, recessed mounted circular down lighter , 6" dia				
	with complete its electronic driver are as under:-				
	MAKE -PHILIPS, WIPRO, CROMPTON, BAJAJ & JAGUAR,				
	15 Watt Fitting	~~~	NISS		
		29	Nos		
(d)	5 W spot light LED (yellow 3000k) complete with electronic				
	driver are as under:-				
	MAKE -PHILIPS, WIPRO, CROMPTON, BAJAJ & JAGUAR,				
		5	NOS		

S.No	Description of items	Qty	Unit	Rate	Amount
(e)	LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. MAKE -PHILIPS, WIPRO,CROMPTON,BAJAJ & JAGUAR,				
		60	Mtr		
(f)	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt MAKE -PHILIPS, WIPRO,CROMPTON,BAJAJ & JAGUAR,				
		22	Nos		
(g) (h)	CEILING FAN: Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white energy saver ES 50 Five star CG/BAJAJ/ ORIENT EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic Energy Efficient exhaust fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wounded, A & E class insulation, dynamically balanced, below 40 db sound level etc, front cover with grill/gravity louver for protection purpose with 12 mm plywood complete in all respect make as under: CG/BAJAJ/ ORIENT/ALMONARD/ALSTOM, with metal body & fan Blades	6	Nos		
		2	Nos		
(j)	WALL FAN:- Oscillating wall fan with regulator i/c connections etc complete as required as per approved make, Sweep 400 mm , RPM 1300 with metal body & Metal Blades,Energy Efficient CG/BAJAJ/ ORIENT	17	Nos		
	TOTAL:- (B) LIGHT AND FAN FIXTURE	17	Nos		
	TOTAL IN WORDS:-				

S.No	Description of items	Qty	Unit	Rate	Amount
ABSTRACT SHEET					
SNO.	<u>SUBHEAD</u>				AMOUNT
1	(A) TOTAL OF ELECTRICAL WORK				
2	(B) TOTAL OF LIGHT AND FAN FIXTURE				
	GRAND TOTAL(A+ B)				
	SEAL AND SIGNATURE OF CONTRACTOR				
	GST will be paid additionally by the Bank as applicable subject to GST Number.				