

PROJECT : UCO Bank @ Gondal																				
Consultant : TID Electrical Consultant																				
DOCUMENT: ELECTRICAL BOQ_14.07.2021_R1																				
Item No.	Sor. 2019-2020	Cost of Materials	Cost of Labour	Total Cost	Estimated Qnty	Total Amount	Item Description	Unit	Entrance Passage + Waiting	Pantry + Toilet	Record Room	BM Cabin	Cash Cabin	Staff 1+2+3	Strong Room	Server Room	Senior Staff	ATM Room	Total	
SECTION 1.00 POINT WIRING																				
1	1-2-1.			0	30	0	Point wiring in Copper (Modular) Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories Cat. III (Note : For Point wiring above 10 mtr of length, additional length will be added at rate of mains.)	Pt.	5	6	1	2	1	3	2	1	2	2	25	
2	1-1-4.			0	30	0	Point wiring for secondary light point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling, complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories (Note:- Maximum up to 6 mtrs length, excess will be considered as Mains for Secondary Point.)	Pt.	16	1	1	2			2	1	2	2	27	
3	1-2-2.			0	2	0	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories Cat-III	Pt.											0	
4	1-2-5.			0	5	0	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories Cat-III	Pt.											0	
5	1-2-4.			0	15	0	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories. Cat-III	Pt.	1	3	1	1			1	1	2	1	11	
6							Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. (Plug at Different location & Switch at Different Location)													
	1-2-3.			0	15	0	[I] For 6A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat-III For Wall Mounted Fan	Pt.	1	1	1	1	1	3	1	1	2		12	
	1-2-3.			0	10	0	[III] For 16A Plug with 2-4 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat-III	Pt.	2	2						1		2	7	
7	1-6-2.			0	15	0	Providing & erecting Switch board for Computer or electric apparatus consisting of following items in single board erected on PVC / Metal board with 3 mm thick PC (Polycarbonate) / Acrylic sheet erected as directed 1 no. 6A/16A universal plug-switch combined. 4 nos. 6A 5 pin Plug [B] For Modular Type Accessories Cat. III (4 No 5A Socket + 1 No 16A Switch To Control 4 No 5A Socket)	Pt.				2	1	3		2	2	2	12	
							Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge													
8	1-2-6.			0	10	0	(3) (a)Two Pin / RJ-11 Telephone Socket with Top Cat-III	Nos		1		1	1	3			2		8	

PROJECT : UCO Bank @ Gondal																			
Consultant : TID Electrical Consultant																			
DOCUMENT: ELECTRICAL BOQ_14.07.2021_R1																			
Item No.	Sor. 2019-2020	Cost of Materials	Cost of Labour	Total Cost	Estimated Qnty	Total Amount	Item Description	Unit	Entrance Passage + Waiting	Pantry + Toilet	Record Room	BM Cabin	Cash Cabin	Staff 1+2+3	Strong Room	Server Room	Senior Staff	ATM Room	Total
9	1-2-6.			0	2	0	(4) TV Co-axial Socket outlet Cat-III	Nos	1										1
10	1-2-6.			0	20	0	(7) Blank Plate Single Cat-III	Nos	AS PER REQUIREMENT										
11	1-2-6.			0	15	0	(8) Modem Jack for Computer Open RJ-45 Cat-III	Nos	1			2	1	3		2	2	2	13
12	1-6-10.			0	1	0	Call bell / Buzzer,250 volts, complete erected.	Nos											0
13	1-6-11.			0	1	0	Call bell gong type suitable for 230 volts, 50 c/s. AC supply complete Erected	Nos											0
14							Conduits & Pipes Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (For Computer, Data, Telephone cable 25mm Conduit in Floor)												
	1-3-2.			0	600	0	b) 25 mm	Mtr.	AS PER REQUIREMENT										
15							Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.												
	1-3-4.			0	100	0	(2) 25 mm	Mtr.	AS PER REQUIREMENT										
							Mains & Wires Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories												
16	1-4-1.			0	100	0	(a) 2 wire 1.5 sq. mm	Mtr.	AS PER REQUIREMENT & AS PER SLD										
17	1-4-1.			0	450	0	(b) 2 wire 2.5 sq. mm	Mtr.	AS PER REQUIREMENT & AS PER SLD										
							Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size												
18	1-4-2.			0	300	0	(a) 2 wire 4 sq. mm	Mtr.	AS PER REQUIREMENT & AS PER SLD										
19	1-4-2.			0	20	0	(g) 4 wire 4 sq. mm	Mtr.	AS PER REQUIREMENT & AS PER SLD										
20	1-4-2.			0	10	0	(h) 4 wire 6 sq. mm	Mtr.	AS PER REQUIREMENT & AS PER SLD										
21	1-4-6			0	30	0	Providing & Erecting approved make following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation. b) RG -6	Mtr.	AS PER REQUIREMENT										
							Supplying & erecting Delton or approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. A. Conductor Size 0.5 mm												
22	1-4-7			0	300	0	(A) (a) (2) Two Pair	Mtr.	AS PER REQUIREMENT										
23	1-4-8			0	600	0	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6 (For Data Point)	Mtr.	AS PER REQUIREMENT										
24	NON-SOR			0	1	0	Providing & erecting Computer Data switch & Patch Panel with all required accessories 24 port switch D-Link	Nos	AS PER REQUIREMENT FOR DATA POINT										
Total Amount For Section : 1						0													
SECTION 2.00 CABLES & ACCESSORIES																			

PROJECT : UCO Bank @ Gondal																				
Consultant : TID Electrical Consultant																				
DOCUMENT: ELECTRICAL BOQ_14.07.2021_R1																				
Item No.	Sor. 2019-2020	Cost of Materials	Cost of Labour	Total Cost	Estimated Qnty	Total Amount	Item Description	Unit	Entrance Passage + Waiting	Pantry + Toilet	Record Room	BM Cabin	Cash Cabin	Staff 1+2+3	Strong Room	Server Room	Senior Staff	ATM Room	Total	
							ARMOURED ALLUMINIUM CABLES. Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables													
1	4-3-4.			0	0	0	c) 4 Core 10 Sq.mm.	Mtr.	AS PER REQUIREMENT											
2	4-3-4.			0	35	0	d) 4 Core 16 Sq.mm.	Mtr.	AS PER REQUIREMENT											
							CABLE GLANDS. Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.													
3	4-6-1.			0	2	0	(e) 2 to 4 core 16 Sq. mm	Nos	AS PER REQUIREMENT											
							CABLE LUGS. Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.	Nos												
4	4-7-1.			0	8	0	(C) 16 Sq.mm.	Nos	AS PER REQUIREMENT											
5	4-7-1.			0	0	0	(A) 1.5/ 2.5/4/6 Sq.mm	Nos	AS PER REQUIREMENT											
Total Amount For Section : 2						0														
SECTION 3.00 SAFETY ACCESSORIES																				
1	10-2-1.			0	4	0	Providing Printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock.	Nos												
2	10-2-5.			0	1	0	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-Aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	Nos												
Total Amount For Section : 3						0														
SECTION 4.00 SWITCHGEARS & DISTRIBUTION BOARDS																				
1	3-10-1.			0	30	0	MINIATURE CIRCUIT BREAKERS. Miniature circuit breaker single pole 6A to 32A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat-III	Nos	AS PER SLD & PANEL REQUIREMENT											
							Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity(Also consider in general)													
2	3-10-5.			0	1	0	(b)40 Amp. Cat.III	Nos	AS PER SLD & PANEL REQUIREMENT											
3	3-10-5.			0	2	0	(a) 6 to 32 Amp. Cat.III	Nos	AS PER SLD & PANEL REQUIREMENT											
	NON SOR			0	1	0	80 Amp Four Pole MCB,16kA													
							Providing and erecting Three pole MCB isolator A.C. 22 duty confirms to IS 13947-3 in existing box.													
4	3-10-8.			0	2	0	(a) for 40 Amp. Cat.III	Nos	AS PER SLD & PANEL REQUIREMENT											
5	NON SOR			0	2	0	for 32 Amp. Cat.III	Nos	AS PER SLD & PANEL REQUIREMENT											
							MCB DISTRIBUTION BOARDS. Note :- Enclosure should be used of same company of MCB or MCBDP or ELCB													
							Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used)													
6	3-11-5.			0	2	0	(L) Three phase 6 way SS Double door for single phase outgoing horizontal box (6 Way TPN DB - L+PDB & AC DB)	Nos	AS PER SLD & PANEL REQUIREMENT											

[illegible]

PROJECT : UCO Bank @ Gondal																			
Consultant : TID Electrical Consultant																			
DOCUMENT: ELECTRICAL BOQ_14.07.2021_R1																			
Item No.	Sor. 2019-2020	Cost of Materials	Cost of Labour	Total Cost	Estimated Qty	Total Amount	Item Description	Unit	Entrance Passage + Waiting	Pantry + Toilet	Record Room	BM Cabin	Cash Cabin	Staff 1+2+3	Strong Room	Server Room	Senior Staff	ATM Room	Total
4	2-7-10.			0	5	0	Supplying & erecting energy saving Energy Efficient E+ (1 - 4 ft) 28 watt retrofit tube fitting with one no 28watt T-5 tube complete with E.G.P. wings reflector / clear acrylic guard cover & tube and electronic inbuilt circuit ballast of rating 130 to 325 V A.C. The fittings should be able to fit in any conventional existing T - 8 tube fittings complete erected in an approved manner.	Nos											0
Total Amount For Section : 6						0													
SECTION 7.00 EARTHING																			
1	3-14-4			0	5	0	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	Kg	AS PER SLD & PANEL REQUIREMENT										
							Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications.												
2	3-14-9			0	1	0	(c) For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA) i.e independent Earthing in normal soil. Length of Pipe : 3.00 mtrs Back filling Compound :2 nos Bags of 25 Kg.	Ea.											
Total Amount For Section : 7						0													
SECTION 8.00 CCTV System																			
1	Non SOR			0	15	0	SITC of 1.2 Megapixel IR Based Dome type CCTV Camera. - Approved make	Nos	4	1	1	1	1		1	1	1	1	12
2	Non SOR			0	1	0	SITC Of 16 Chanel DVR With 2 Hard disk Slot. With 8TB Hard disk - Approved make	Nos								1			1
3	Non SOR			0	1	0	SITC Of 42" Smart LED TV with 2 Year Warranty - Approved make	Nos				1							1
Total Amount For Section : 8						0													
Total Amount For All Section																			