

SCHEDULE FOR THE PROPOSED ELECTRICAL WORK TO BE PROVIDED AT THE UCO BANK, SHELA BRANCH

Sr. No.	Item Description	Qty.	Rate	Unit	Amount
	NOTE : ALL CHAIRS OR CHASES IN WALLS / COLUMNS / SLABS MADE BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CONDUITS / S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSITY MATERIAL AND LABOUR.				
A	INTERNAL WIRING:				
1	P and M point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.5 sq. mm. & 1 nos. of 1 sq. mm. with modular switch with company made flush metal box/surface PVC box etc. comp. with nec. main lines for switch board from DB of mains of 2 nos. of 2.5 sq.mm wire and 1 no.of 1.0 sqmm pvc Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark .These will be used with point wiring of light, fan, ex. fan, call bell points, etc { Max. 3 Switchboards in one circuit - One Sp MCB }.				
a)	One 5A switch controlling one light/fan point	25		Nos	
b)	One switch controlling Two light points	7		Nos	
c)	5A socket outlet with 5A switch (on common board)	18		Nos	
d)	5A socket outlet with 5A SP switch (as an independent point) [for ex. Fan fittings, 2 for Extra, for WALL FAN points]	12		Nos	
e)	Call bell point with bell push complete.	1		Nos	
2	SITC of 6/16 Amp. Switch and socket complete with necessary require wiring from PDB of 2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of power points, etc.	5		Nos.	
3	Sign board point with 2 x 4.00 sq.mm + 1 x 1.5 sqmm earth wire circuit from main panel to sing board at entrance with suitable junction box and 3 point connector.	1		Nos.	
4	SITC of 20 A / 25 A , 230 V, with DP MCB all enclosed in a prefabricated M S boxes complete to the satisfaction of E.I.C. For SPLIT AC - CASSETTE AC 1.0 TR / 1.5TR / 2.0 TR unit with necessary require wiring from ACDB of 2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of A.C. points ,etc . [This point should be installed near Split / window AC in concealed manner.] The height of switchboard must be at reachable point for easily operation. - from that point to Split AC , empty conduit + necessary bends must in concealed mode by ele. contractor.	4		Nos.	

B SITC OF LIGHT/FAN FIXTURES:

Supply & Installation, testing and commissioning (including supply and fixing flexible wires from holder to fixtures hardwares etc.) of.... - The LED / PL / TUBE lamps should be of same make as fixture make. - The marking & cutting of fixtures should be in ele. contractor's scope.. fixtures should be approved by bank's ele. engineer / ele. consultant / architect. from the given make list before installations. LM 79 & LM 80 test reports to be submitted. nichia LED / cree LED should be used by manufacture.

1	LED 1 x 36 W (3000 lumens) (2' X 2') RECESS MOUNTED LUMINAIRE with making earthing connection complete to be recessed in false ceiling with all necessary hardwares, hanging - die cast frame arrangement, chains, hook etc. complete.	9	Nos.
2	1 x 15 W SQUARE/ROUND LED DOWN LIGHTER to be recessed in false ceiling with all necessary hardwares, chains, hook etc. complete.	15	Nos.
3	1 x 9/10 W SQUARE/ROUND LED DOWN LIGHTER to be recessed in false ceiling with all necessary hardwares, chains, hook etc. complete. (Outside Branch and ATM)	3	Nos.
4	1 x 10/20 W LED slim tube light Batten Fixture (2'-0"/ 4'-0") with LED tube complete with necessary hardwares, etc.	10	Nos.
5	SITC of Call bell with Indicator.	1	Nos.
6	Supply and installation of Exhaust fan of 300 mm, fresh air ventilator type with louver complete & 6 Amp. 3 pin TOP. [Crompton/ Khaitan make] [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor.]	3	Nos.
7	Supply and installation of 48" Ceiling Fan with SITC of fan step SOCKET modular regulator, Max. 3 feet Fan Rode, Anchor Fastener etc. Orient PSPO or Equivalent approved make in Crompton. BEE 5 star labeled.	3	Nos.
8	Supply and installation of 450 mm sweep wall mounted fan (Crompton / Havells / Luminous make-.Offwhite colour) Metal Body.	6	Nos.
9	Supply & Installation of LED Strip Light with Driver as reqd. Crompton/Philips/Wipro Make	30	mtr

C COMPUTER POWER SUPPLY SYSTEM:

1	SITC of 2 nos. of 6 A, 5 pin Sockets and 1 no. of 6\16 A socket below table outlets with one 16 A switches Computer power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessary wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from DB to Computer power supply boards. {Maxi. 3 computers in one circuit}. complete with necessary termination etc. complete. LOOP POINTS MUST BE OF SAME SIZED WIRES.	10	Nos
2	S & I of 2 nos. of 6 A, 5 pin Sockets and 1 no. of with one 6 A switches row power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessary wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from DB to Computer power supply boards. {Maxi. 3 Raw Power Points in one circuit}. complete with necessary termination etc. complete. LOOP POINTS MUST BE OF SAME SIZED WIRES.	6	Nos

D DISTRIBUTION BOARD AND PANELS:

- 1 SITC of metallic double door type distribution board with all necessary connection complete to be installed concealed in wall / surface mount complete. The DB should be of same make as MCB.
- | | | | |
|----|---|---|-----|
| a) | 6 - WAY VTPN DB : Main DB
incoming : 63 A FP ELCB 100mA -1 No.
outgoing : 32/40A TP MCB - 3 No. + 10 to 20 A SP MCB (9 nos) | 1 | Nos |
| b) | 12 - WAY SPN DB : LT/R Power DB
incoming : 40 A FP ELCB 100mA -1 No.
outgoing : 10 to 20 A SP MCB (8 nos) | 1 | Nos |
| c) | 16-WAY SPN DB: (UPS Input/Output DB) Branch + ATM
incoming : 40A FP 100mA ELCB -1 No. + 40A DP MCB-2 No.
Outgoing : 40A DP 100mA ELCB-2 No. + 10 to 16 A SP MCB (4 nos) | 1 | Nos |
- 2 Providing and Installing of 63A MCCB FP (Ics =100% Icu., confirmed to IS / IEC 60947 -2 adjustable Ir rating from 0.7 to 1) Unit M. S. compartment enclosure IP65 with hinged door & locking arrangement duly fabricated from 18 SWG sheet metal box duly painted with one coat of red-oxide paint and two coats of approved enamell paints with 63A OPEN TYPE MCCB UNIT with phase indicator LED lamps phase wise fuses + control fuses & wooden back complete. THIS WILL BE INSTALLED NEAR MAIN DOOR - INSIDE OR OUTSIDE - OF THE BANK. (first ask to BM / Consultant / Architect / Bank Authority.)
- | | | | |
|--|--|---|-----|
| | | 1 | Nos |
|--|--|---|-----|

E EARTHING SYSTEM:

- 1 Providing and making Earthing Pit with all necessary material and making masonry kundi, watering arrangement etc complete as per ISI 3043-1987 (FOLLOWING ITEMS MAY OPERATE)
- | | | | |
|----|--|---|-----|
| a) | JEF ECO SAFE environment friendly electrical grounding system with T-193- Hot Dip Galvanised, having 50mm dia. of outer pipe and 25 mm dia. of inner pipe and length of 3mtrs with 50kg Back Fill Compound as per UL 476, of Powerfill Eco friendly electrical grounding backfill compound and clamp (DB - PANEL) - G. I. - ASHLOK or ETP/HDP/48/3 . | 1 | nos |
| b) | JEF ECO SAFE environment friendly electrical grounding system with T-193- Copper Coated, having 50mm dia. of outer pipe and 25 mm dia. of inner pipe and length of 3mtrs with 50kg Back Fill Compound as per UL 476, of Powerfill Eco friendly electrical grounding backfill compound and clamp (UPS) - ASHLOK or ETP / CUP/48/3 R. | 1 | nos |
- 2 Supply, laying and jointing of following wire / strip / earth cable on walls, ceiling etc. With necessary non rusting clamps, washers, nuts and bolts etc complete
- | | | | |
|----|---|----|-----|
| a) | 8 SWG G.I. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete for ELE. PANEL, ALL DBS ETC. (Use Old Earthing) | 45 | Rmt |
| b) | 8 SWG CU. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete in UPS Room (Use Old Earthing) | 45 | Rmt |

F CABLE & CABLE TERMINATIONS:

1	SITC of following sizes of PVC insulated PVC sheathed copper / aluminum conductor armoured cable to be laying in existing cable trench or to be laid in existing pipes of with necessary clamps, spacers with cleating on wall ceiling etc. complete to the satisfaction of EIC, (LENGTH TO BE VERIFY AT SITE) including supply and fixing of brass single compression type cable glands and crimping type aluminum / copper lugs suitable for terminations of armoured cables of following overall diameters, incl.		
a)	3.5 x 35 sq. mm. Alu. Conductor AYFY cable. (main cable-Main Panel to Main SFU)	30	Mtr.
b)	4 x 6 sq. mm. Cu. Conductor YWY cable. (Main Panel to LT/ UPS Input /ATM DB)	15	Mtr.
c)	16 sq. mm. single core wire supply & laying in flexible pipe for main load wire from meter to main switch	12	Mtr.
d)	3 C X 4.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (UPS to UPS O/P DB & UPS I/P DB to UPS).	8	Mtr.
G	TELEPHONE AND STRUCTURED CABLING:		
1	SITC telephone point with Telephine socket outlets of RJ 11 with concealed boxes in walls/furniture's etc. SITC of 2 pair of 0.51 cross section pvc insulated copper conductor telephone wire of ITI approved with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. for Intercom/Fax/ Direct line facility	7	nos
2 (a)	SITC of 10 pair krone tele. Tag block duly enclosed in sheet metal powder coated box with locking facilit comp. with nece. Terminations - one located at server room & other outside near bsnl cable.	1	Nos
2 (c)	Providing, installing, testing, commissioning of CAT 6 UTP pvc insulated copper conductor data cable of D - Link with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. with ferrule numbering at both ends of each piece of cable complete.[2 Lines from BSNL Krone to new krone].	50	Mtr
3(A)	SITC of CAT 6, RJ 45 information outlet (I/O) of D-link make with front modular cover plate, flush box metallic or PVC for trucking system with terminations etc complete. SITC of CAT 6 UTP pvc insulated copper conductor data cable of D-Link make with 20/25 dia. PVC conduit with accessories duly burried under floor with necessary chasing/breaking in floor and to be regishide with all necessary civil material etc. or to be cleated on wall/ceiling with saddles/spacer etc. necessary termination etc. with ferrule numbering at both ends of each of piece of cable etc. comp.	10	Nos
4	SITC of 9 U metal rack for computer clamping switch etc complete with Tray Mounting Fan + power supply board. Bank's hardware - port switch / patch panel must be installed by ele. Contractor in this rack.	1	Nos
5	SITC of 24-port inthernet switch	1	Nos

6	SITC of 24 port patch panel for computers mounting in metal rack.	1	Nos
7	Supply & Fixing the Patch cord 2Mtr. Long (Factory built) When supplying, then first ask to BM/Consultant/Architect/Bank Authority.	10	Nos
8	Supply & Fixing the Patch cord 1Mtr. Long (Factory built) When supplying, then first ask to BM/Consultant/Architect/Bank Authority.	10	Nos

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Total Rs.

Signature & Seal of the contractor

SCHEDULE FOR THE PROPOSED ELECTRICAL WORK TO BE PROVIDED AT THE UCO BANK, SHELA (ATM)

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b)	One switch controlling Two light points	2		Nos	
c)	5A socket outlet with 5A switch (on common board)	1		Nos	
2	SITC of 20 A / 25 A , 230 V, with DP MCB all enclosed in a prefabricated M S boxes complete to the satisfaction of E.I.C. For SPLIT AC - CASSETTE AC 1.0 TR / 1.5TR / 2.0 TR unit with necessary require wiring from ACDB of 2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of A.C. points ,etc . [This point should be installed near Split / window AC in concealed manner.] The height of switchboard must be at reachable point for easily operation. - from that point to Split AC , empty conduit + necessary bends must in concealed mode by ele. contractor.	2		Nos.	
B	SITC OF LIGHT/FAN FIXTURES:				
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3	1 x 9/10 W SQUARE/ROUND LED DOWN LIGHTER to be recessed in false ceiling with all necessary hardwares, chains, hook etc. complete.	4		Nos.	

C COMPUTER POWER SUPPLY SYSTEM:

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| 1 | SITC of 2 nos. of 6 A, 5 pin Sockets and 1 no. of 6\16 A socket below table outlets with one 16 A switches Computer power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessary wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from DB to Computer power supply boards. {Maxi. 3 computers in one circuit}. complete with necessary termination etc. complete. LOOP POINTS MUST BE OF SAME SIZED WIRES. | 2 | Nos |
| 2 | S & I of 2 nos. of 16 A, 5 pin Sockets and 1 no. of with two 16 A switches row power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessary wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from DB to Computer power supply boards. {Maxi. 3 Raw Power Points in one circuit}. complete with necessary termination etc. complete. LOOP POINTS MUST BE OF SAME SIZED WIRES. | 2 | Nos |

D DISTRIBUTION BOARD AND PANELS:

- | | | | |
|----|--|---|-----|
| 1 | SITC of metalic double door type distribution board with all necessary connection complete to be installed concealed in wall / surface mount complete. The DB should be of same make as MCB. | | |
| a) | 12-WAY SPN DB: (ATM LT & AC DB)
incoming : 32A DP ELCB 100mA - 1 No.
Outgoing : 10 to 25 A SP MCB (4 nos) + AC Cyclic Timer - 1 No. for ATM AC | 1 | Nos |

E STRUCTURED CABLING:

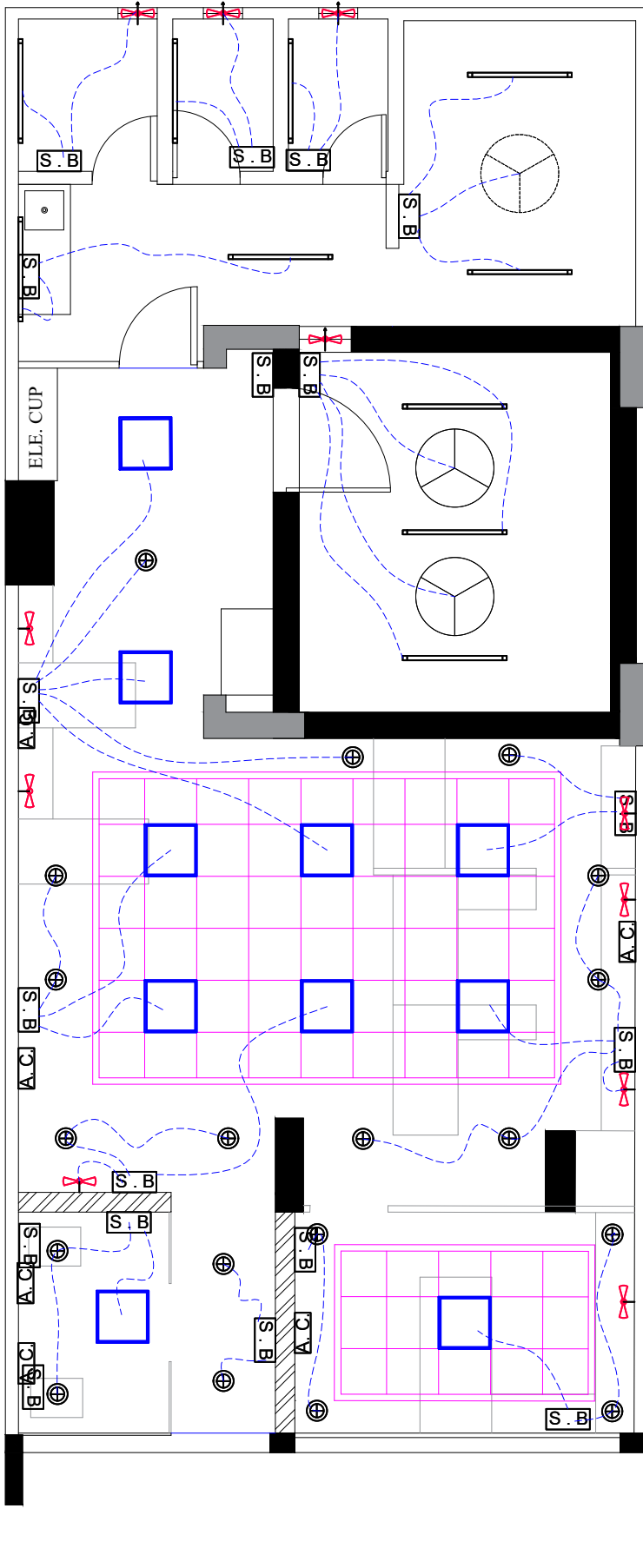
- | | | | |
|---|---|---|-----|
| 1 | SITC of CAT 6, RJ 45 information outlet (I/O) of D-link make with front modular cover plate, flush box metallic or PVC for trucking system with terminations etc complete. SITC of CAT 6 UTP pvc insulated copper conductor data cable of D-Link make with 20/25 dia. PVC conduit with accessories duly burried under floor with necessary chasing/breaking in floor and to be regishide with all necessary civil material etc. or to be cleated on wall/ceiling with saddles/spacer etc. necessary termination etc. with ferrule numbering at both ends of each of piece of cable etc. comp. | 2 | Nos |
| 2 | Supply & Fixing the Patch cord 2Mtr. Long (Factory built) When supplying, then first ask to BM/Consultant/Architect/Bank Authority. | 2 | Nos |


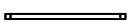











3	Supply & Fixing the Patch cord 1Mtr. Long (Factory built) When supplying, then first ask to BM/Consultant/Architect/Bank Authority.	2	Nos
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Total Rs.

Signature & Seal of the contractor



-  :- 36 W 2' X 2' LED FITTINGS
-  :- 18 / 20 W T5 LED BATTEN FITTING
-  :- 12 W T5 LED BATTEN FITTING
-  :- EXHAUST FAN
-  :- WALL FAN
-  :- TELEPHONE POINT
-  :- BUZZER
-  :- A. C. POINT
-  :- SWITCH BOARD
-  :- SWITCH BOARD INVERTER LIGHT CONTROL
-  :- COMPUTER
-  :- 15 W LED DOWN LIGHT
-  :- 1200MM CEILING FAN

0' 0" 2' 0" 4' 0" 6' 0"



DRAWING NO. ALT -03/WD-02	DATE 24-04-2025	DRAWN BY SAJEDA	CHECKED BY V. V. T.
PROPOSED ELECTRICAL LAYOUT			
INTERIOR DESIGNING WORK FOR UCO BANK (SHELA BRANCH), SHELA			
MESSRS VIRAT V. THAKORE			
ARCHITECTS, URBAN DESIGNERS & VALUERS, 98/1, SAMASTA SOCIETY, AHMEDABAD - 380 007.			