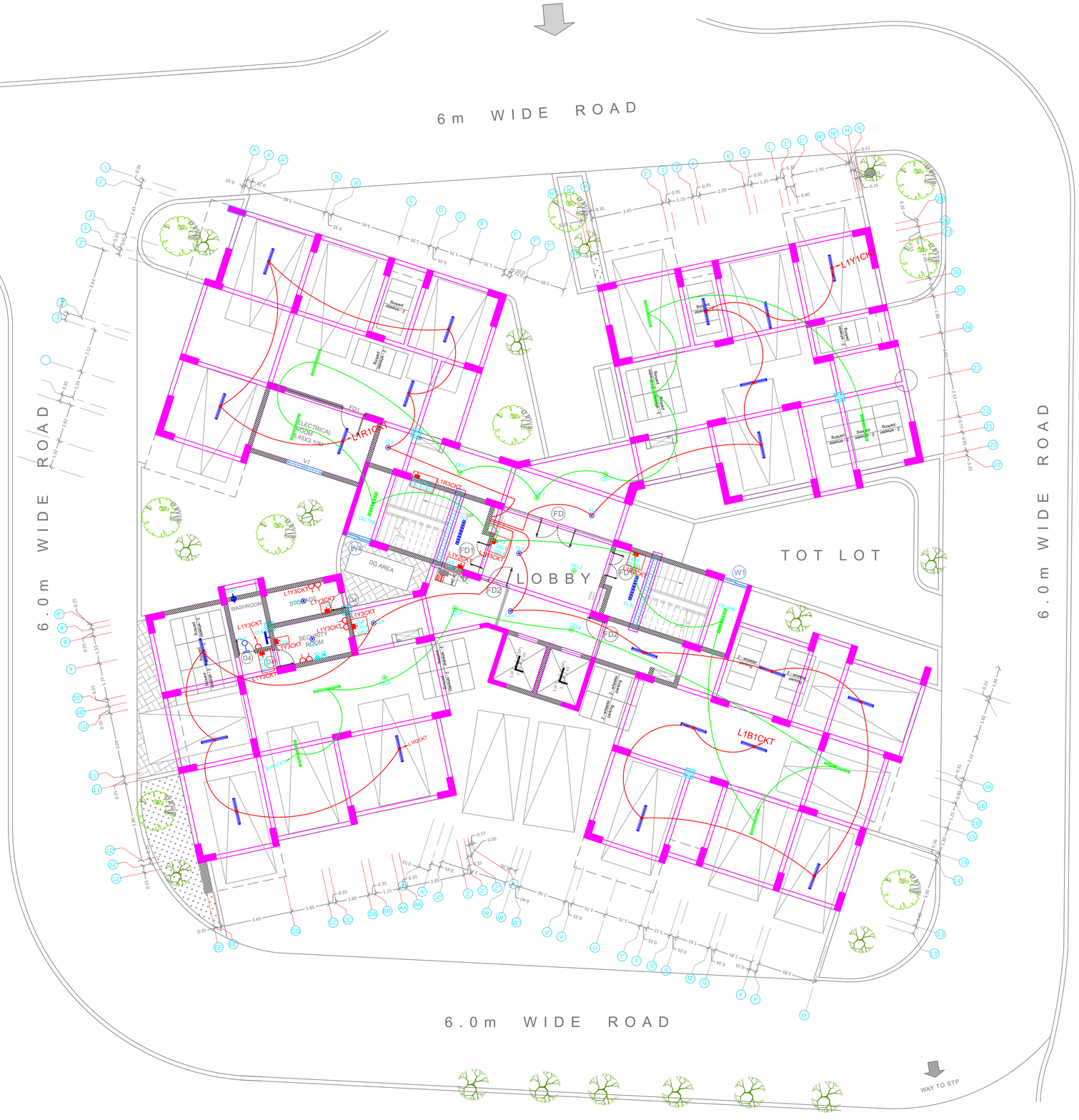


STILT FLOOR LIGHTING PLAN

LEGEND	
	16W LED1 ON RAW POWER WITH SENSOR
	16W LED1 ON UPS POWER
	18W LED3 ON RAW POWER
	18W LED3 ON UPS POWER

REV NO	DATE	DESCRIPTION

DRAWING ISSUED FOR :

APPROVAL :	
TENDER :	■
STUDY :	
EXECUTION :	

ELECTRICAL

N

CLIENT:

STATE BANK OF INDIA

JOB TILTE:

PROPOSED CONSTRUCTION OF BUILDINGS FOR 1) ONE DGM BUNGALOW AND 2) OFFICERS QUARTERS FOR AGMs / CMs AT GUNTUR

DRAWING:

Stilt Floor Lighting Plan

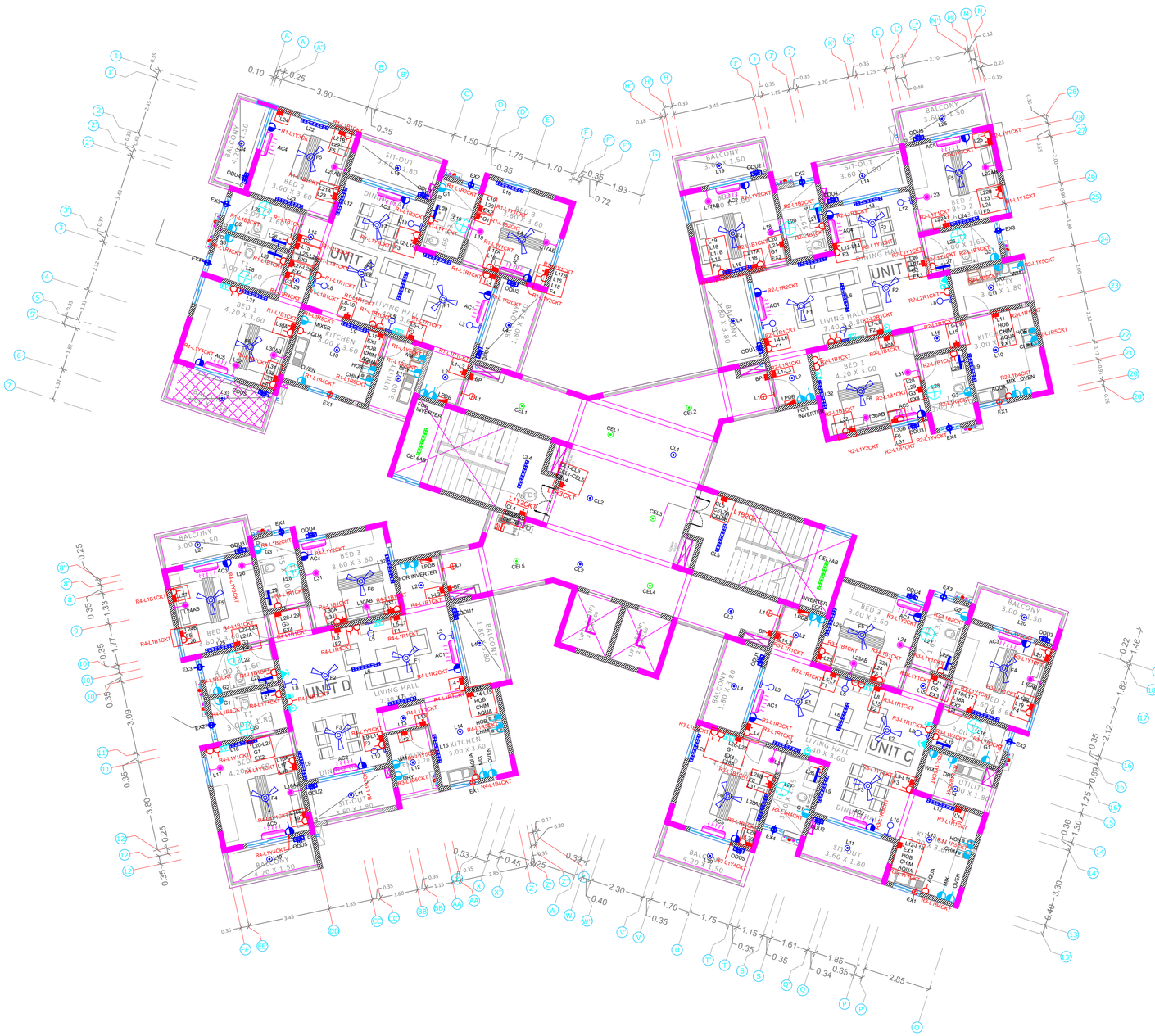
SCALE : 1:100	**DEALT: AJAY**
DATE : 10-06-2026	**CHECKED: AJAY**

KAREKAR AND ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS, AND STRUCTURAL ENGINEERING CONSULTANTS
282, KAREKARS, GROUND FLOOR,
14TH CROSS, HIG DOLLARS COLONY,
RMV SECOND STAGE, BANGALORE - 560094

DRAWING NO. SBISTAFFQ/ELEC/ STILT FL LIGHTING PLAN/01 | R0

SHEET NO. : 01

LEGEND	
	40W LED2 ON RAW POWER
	18W LED3 ON RAW POWER
	18W LED3 ON UPS POWER
	10W LED4 ON RAW POWER
	17W LED5 ON RAW POWER
	20W LED6 ON RAW POWER
	9W LED7 ON RAW POWER
	8W LED8 ON RAW POWER
	6W LED9 ON RAW POWER



TYPICAL FLOOR PLAN - GROUND,FIRST, SECOND AND THIRD FLOOR LIGHTING/ POWER

REV NO	DATE	DESCRIPTION

DRAWING ISSUED FOR :	
APPROVAL :	
TENDER :	■
STUDY :	
EXECUTION :	

ELECTRICAL

CLIENT:

STATE BANK OF INDIA

JOB TILTE:

PROPOSED CONSTRUCTION OF BUILDINGS FOR 1) ONE DGM BUNGALOW AND 2) OFFICERS QUARTERS FOR AGMs / CMs AT GUNTUR

DRAWING:

Typical Ground, First, Second and Third Floor Lighting Plan

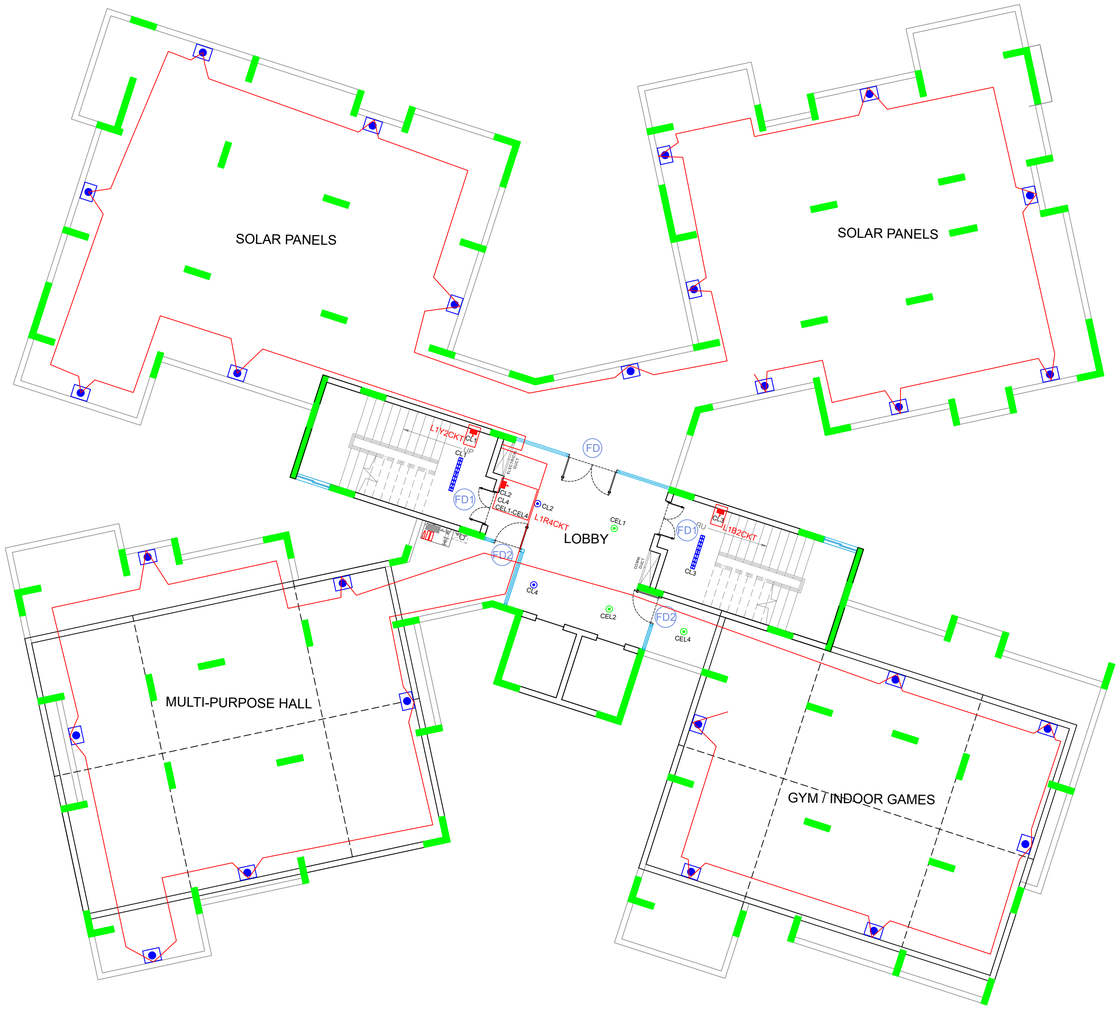
SCALE : 1:100	**DEALT: AJAY**
DATE : 10-06-2026	**CHECKED: AJAY**

KAREKAR AND ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS, AND STRUCTURAL ENGINEERING CONSULTANTS
282, KAREKARS, GROUND FLOOR,
14TH CROSS, HIG DOLLARS COLONY,
RMV SECOND STAGE, BANGALORE - 560094

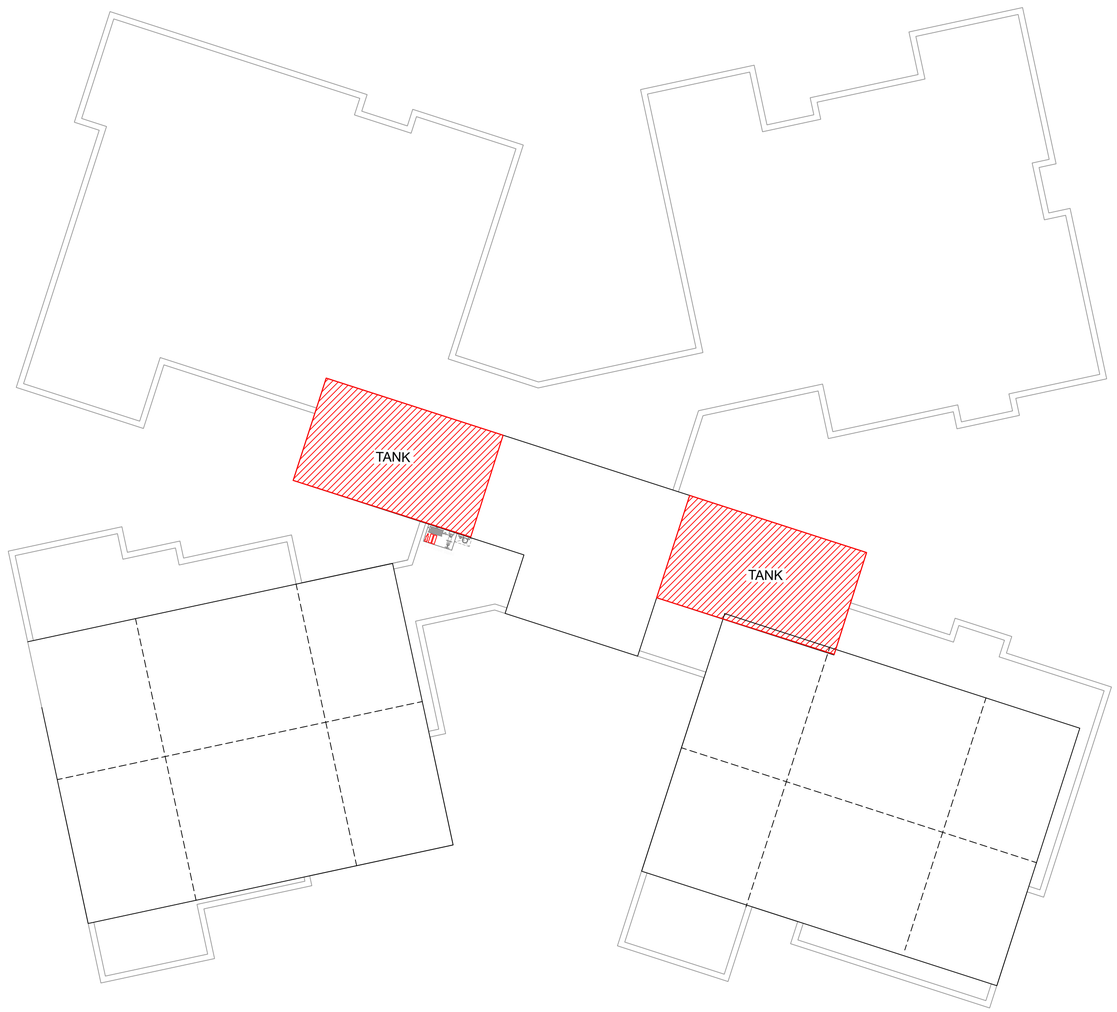
DRAWING NO.
SBISTAFFQ/ELEC/ TYP FL LIGHTING PLAN/02 R0

SHEET NO. : 02

LEGEND	
●	10W LED4 ON RAW POWER



TERRACE PLAN



TERRACE LIGHITNG PLAN

REV NO	DATE	DESCRIPTION

DRAWING ISSUED FOR :

APPROVAL :	☐
TENDER :	■
STUDY :	☐
EXECUTION :	☐

ARCHITECTURAL

CLIENT:

STATE BANK OF INDIA

JOB TILTE:

PROPOSED CONSTRUCTION OF BUILDINGS FOR 1) ONE DGM BUNGALOW AND 2) OFFICERS QUARTERS FOR AGMs / CMs AT GUNTUR

DRAWING:

Terrace Lighting Plan

SCALE :1:100	**DEALT: AJAY**
DATE : 10-06-2026	**CHECKED: AJAY**

KAREKAR AND ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS, AND STRUCTURAL ENGINEERING CONSULTANTS
282, KAREKARS, GROUND FLOOR,
14TH CROSS, HIG DOLLARS COLONY,
RMV SECOND STAGE, BANGALORE - 560094

DRAWING NO.
SBISTAFFQ/ELEC/ TERRACE LIGHTING PLAN/03 R2

SHEET NO. : 03

SITE PLAN - Access roads, DGM Bungalow, walking track, Site Boundary

SCHEDULE OF OPENINGS (St+G+1+2+3+T)									
SL	TYPE	SIZE in m	BF Nos	GF Nos	FF Nos	SF Nos	TF Nos	TR Nos	DESCRIPTION
DOORS:									
01	FD	1.80 x 2.20	01	-	-	-	-	01	Fire Doors
02	FD1	1.20 x 2.20	02	02	02	02	02	02	
03	FD2	1.00 x 2.20	02	-	-	-	-	02	
04	D1	1.20 x 2.20	-	04	04	04	04	-	Sal Wood Frame Flush doors
05	D2	1.00 x 2.20	-	12	12	12	12	-	
06	D3	0.90 x 2.20	-	12	12	12	12	-	
07	D4	0.90 x 2.20	03	-	-	-	-	-	
08	SD1	2.40 x 2.20	-	08	08	08	08	-	UPVC Sliding Doors
09	SD2	1.80 x 2.20	-	08	08	08	08	-	
WINDOWS:									
01	W1	1.20 x 1.35	05	14	14	14	14	-	UPVC Sliding windows
01	W2	0.60 x 1.35	-	01	01	01	01	-	
VENTILATORS:									
01	V	0.90 x 1.20	01	12	12	12	12	-	UPVC Ventilator

REV NO	DATE	DESCRIPTION
DRAWING ISSUED FOR :		
APPROVAL :		
TENDER :		
STUDY :		
EXECUTION :		

ELECTRICAL

CLIENT:

STATE BANK OF INDIA

JOB TILTE:

PROPOSED CONSTRUCTION OF BUILDINGS FOR 1) ONE DGM BUNGALOW AND 2) OFFICERS QUARTERS FOR AGMs / CMs AT GUNTUR

DRAWING:

External Lighting Plan

SCALE : 1:250	**DEALT: AJAY**
DATE : 10-06-2026	**CHECKED:AJAY**

KAREKAR AND ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS, AND STRUCTURAL ENGINEERING CONSULTANTS
282, KAREKARS, GROUND FLOOR,
14TH CROSS, HIG DOLLARS COLONY,
RMV SECOND STAGE, BANGALORE - 560094

DRAWING NO. SBISTAFFQ/ELEC/ EXTERNAL LIGHTING PLAN/04 R0

SHEET NO. : 04

PROPOSED SPUN STRUCTURE WITH 200A/3POLE BREAK OUTS AS PER THE EB DEPARTMENT FEASIBILITY

11KV 1Rx 3C x 95 sq.mm AL CIRCULAR ARMOURED XLPE INCOMING HT CABLE

11KV 1Rx 3C x 95 sq.mm CIRCULAR ARMOURED XLPE OUTGOING HT CABLE

11KV DAS BASED RMU PANEL
(630A 2 IDO+1 VL)

11KV 630A 3P LBS

11KV 630A 3P LBS

11KV 630A BUS (TRIPLE BUS) SF6 VCB BREAKER

This part will be done by Electricity board which is conveyed by Ramesh Sir so we have removed this item in estimate

11KV 1RX3CX95Sq.mm AL CIRCULAR ARMOURED XLPE HT CABLE

11KV LBS

630A ON LOAD BREAK SWITCH WITH FUSE TRIP 12KV 350MVA 26.3KA

500KVA OFTC ONAN Level 2 ENERGY EFFICIENT LEVEL-2 STAR TRANSFORMER AS PER IS1180 P-1 (2014)/2026

Details of Transformer:	
Rating	500KVA, 11kV /433V AS PER LATEST IS 1180 5-STAR RATING (PART-1,LEVEL-2
Cooling	ONAN
Vector Group	Dyn11
Primary	11000V
Secondary	433V
Winding Material	Copper

3R X 3.5C X 240Sqmm AL. Ar. XLPE LT CABLE

LT KIOSK
LOC:TRANFO YARD

1-8A ELR CBCT

800A TPN MCCB, 35KA O/L,S/C

ON OFF TRIP

R Y B

6A,MCB VAF

800A AL BUSBAR

630A TPN MCCB, 35KA O/L,S/C

250A TPN MCCB, 25KA O/L,S/C

CL:1, 630/5A 5VA CTs KWH

CL:1, 250/5A 5VA CTs KWH

FUTURE

3R X 3.5C X 240Sqmm AL. Ar. XLPE LT CABLE

MAIN LT PANEL
LOC: ELECTRIC ROOM
CONNECTED LOAD: 433.85KW

1-8A ELR CBCT

R Y B

6A,MCB VAF

FUSE SPD TYPE2

3PHASE ETV METER MASTER METER WITH LOCKABLE COMPARTMENT

CL:1, 630/5A 5VA CTs

630A 4P C.O.S

630A TPN 35KA TM BASED MCCB WITH O/C,S/C & E/F RELEASES & U/V RLY

ON OFF TRIP

CL:1, 630/5A 5VA CTs

MDM

LVM

630A AL BUSBAR

3PHASE ETV METER WITH FUSE IN LOCKABLE COMPARTMENT

Feeder	Cable	Conduit	Load
FIRE BOOSTER PUMP	1R X 3.5C X 25Sqmm AL. Ar. XLPE CABLE		LOAD-18KW
FCI OUTPUT PANEL COMMON AREA	1R X 3.5C X70Sqmm AL. Ar. XLPE CABLE		LOAD-95KW
SPARE			
DGM BUNGALOW FEEDER PILLAR	1R X 3.5C X 35Sqmm AL. Ar. XLPE CABLE		LOAD-23KW
GROUND FLOOR PLAT1 FLR-PDB1	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
GROUND FLOOR PLAT2 FLR-PDB2	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
GROUND FLOOR PLAT3 FLR-PDB3	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
GROUND FLOOR PLAT4 FLR-PDB4	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
FIRST FLOOR PLAT1 FLR-PDB1	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
FIRST FLOOR PLAT2 FLR-PDB2	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
FIRST FLOOR PLAT3 FLR-PDB3	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
FIRST FLOOR PLAT4 FLR-PDB4	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
SECOND FLOOR PLAT1 FLR-PDB1	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
SECOND FLOOR PLAT2 FLR-PDB2	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
SECOND FLOOR PLAT3 FLR-PDB3	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
SECOND FLOOR PLAT4 FLR-PDB4	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
THIRD FLOOR PLAT1 FLR-PDB1	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
THIRD FLOOR PLAT2 FLR-PDB2	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
THIRD FLOOR PLAT3 FLR-PDB3	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
THIRD FLOOR PLAT4 FLR-PDB4	4RX95Sqmm+ 2RX50Sqmm FRLS WIRE IN	40MM CONDUIT	LOAD-11KW
SPARE			
SPARE			
PROVISION			

82.5KVA(PROCURED BY SBI) DG WITH BUILT IN AMF PANEL AS PER CPCB IV NORMS

DG OUTPUT PANEL
LOC:STILT FLR ELECTRICAL ROOM
CONNECTED LOAD: 38KW

1-8A ELR CBCT

R Y B

6A,MCB VAF

125A TPN MCCB, 10KA O/L,S/C

ON OFF TRIP

CL:1, 125/5A 5VA CTs KWH

PROVISION

1R X 3.5C X 70Sqmm AL. Ar. XLPE CABLE

125A AUTO TRANSFER SWITCH

63A TPN MCCB, 25KA O/L,S/C

ON OFF TRIP

63A TPN MCCB, 25KA

CL:1, 63/5A 5VA CTs KWH

1R X 3.5C X 35Sqmm AL. Ar. XLPE CABLE

DGM-2

UTILITY PANEL

UTILITY PANEL
LOC:STILT FLR ELECTRICAL ROOM
CONNECTED LOAD: 38KW

FROM SOLAR PV CELLS

1R X 3.5C X 70Sqmm AL. Ar. XLPE CABLE

1-8A ELR CBCT

R Y B

6A,MCB VAF

100A TPN MCCB, 25KA O/L,S/C

ON OFF TRIP

CL:1, 100/5A 5VA CTs MDM

100A AL BUSBAR

Feeder	Cable	MCB	Load
STILT FLR ELECTRICAL LIGHTING LOAD	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-3KW
PROVISION FOR 6KVA UPS	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	
RAW WATER FROM U/G TANK TO UT (1W+1S)	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	
RAW WATER FROM U/G TANK to GARDEN WITH (1W+1S)	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-2.2KW
FILTER WATER TRANSFER PUMP FROM WTP TO OHT	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-2.2KW
TREATED WATER TRANSFER PUMP FROM UG TREATED WATER TANK TO OVERHEAD FLUSH TANK (1W+1S)	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-2.96KW
HEAT PUMP	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-5.22KW
STP	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-2.22KW
BOREWELL	1R X 4C X 16Sqmm CU. Ar. XLPE CABLE	63A FP 10KA MCB	LOAD-5.22KW
LIFT1	1R X 4C X 10Sqmm CU. Ar. XLPE CABLE	63A FP 10KA MCB	LOAD-8.96KW
LIFT2	1R X 4C X 10Sqmm CU. Ar. XLPE CABLE	63A FP 10KA MCB	LOAD-8.96KW
EXTERNAL LIGHTING	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-2.96W
SPARE	1R X 4C X 10Sqmm CU. Ar. XLPE CABLE	63A FP 10KA MCB	

1R X 3.5C X 35Sqmm AL. Ar. XLPE CABLE

DGM FEEDER PILLAR
LOC:DGM QUARTERS
CONNECTED LOAD: 16KW +4KW =20KW

1-8A ELR CBCT

R Y B

6A,MCB VAF

63AFP MCCB, 10KA O/L,S/C

ON OFF TRIP

MDM

63A AUTO TRANSFER SWITCH

100A AL BUSBAR

Feeder	Cable	MCB	Load
DGM GF LIGHTING POWER DB	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-10KW
DGM FF LIGHTING POWER DB	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-8KW
SPARE		40A FP 10KA MCB	
RAW WATER FROM U/G TANK TO UT (1W+1S)	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-3.37KW
RAW WATER FROM U/G TANK to GARDEN WITH (1W+1S)	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-3.37KW
FILTER WATER TRANSFER PUMP FROM WTP TO OHT (1W+1S)	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-2.2KW
HEAT PUMP	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-5.22KW
BOOSTER PUMP	1R X 4C X 6Sqmm CU. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-3.37W
EXTERNAL LIGHTING	1R X 4C X 6Sqmm AL. Ar. XLPE CABLE	40A FP 10KA MCB	LOAD-0.30W

ABBREVIATIONS

NAME	DESCRIPTION
MLTP	MAIN LOW TENSION PANEL
DG	DIESEL GENERATOR
APFCR	AUTOMATIC POWER FACTOR CORRECTION REALY
SPD	SURGE PROTECTION DEVICES
MCCB	MOULDED CASE CIRCUIT BREAKER.
MCB	MINIATURE CIRCUIT BREAKER.
CBCT	CORE BALANCE CURRENT TRANSFORMER
LBS	LOAD BREAK SWITCH
TPN	TRIPLE POLE(TP)+NEUTRAL(N)
TP	TRIPLE POLE
4P	TRIPLE POLE(TP)+NEUTRAL(N) ISOLATION
DP	DOUBLE POLE
SP	SINGLE POLE
AMF	AUTO MAINS FAILURE
CM1	COMBINED DIGITAL METR(A+V+HZ)
CM2	COMBINED DIGITAL METR(KW+KVA+PF)
KWH	ELECTRONIC KILOWATT HOUR METER
EFR	EARTH FAULT REALY
VSR	VOLTAGE SENSING RELAY
BCU	BATTERY CHARGER UNIT
SL1	DC CONTROL SUPPLY ON
SL2	DG ON
SL3	LOAD ON DG
SL4	COMMON WIRING
SL5	COMMON SHUTDOWN
SL6	MAINS ON
SL7	BATTERY CHARGER ON
PB1	EMG.TRIP(STAYPUT TYPE)
PB2	HOOTER ACCEPT
PB3	FAULT RESET
SW1	24V DC CONTROL SUPPLY ON/OFF
SW2	DG AUTO/TEST WITHOUT LOAD SELE.SWITCH
SW3	REMOTE DG START/STOP SEL.SWITCH

LEGEND :-

SYMBOL	DESCRIPTION
VCB	MOTORISED DRAWOUT TYPE VACCUM CIRCUIT BREAKER.
MCCB	MOULDED CASE CIRCUIT BREAKER
ACB	ELECTRICALLY OPERATED AIR CIRCUIT BREAKER (ACB) WITH O/C,S/C,E/F RELEASES & S/T, U/V COIL (DRAW OUT TYPE)
ACB	MANUALLY OPERATED AIR CIRCUIT BREAKER (ACB) WITH O/C,S/C RELEASES & U/V COIL (DRAW OUT TYPE)
MCCB	ELECTRICALLY OPERATED MOULDED CASE CIRCUIT BREAKER WITH O/C, S/C,E/F RELEASES & S/T COIL.
MCCB	MANUALLY OPERATED MOULDED CASE CIRCUIT BREAKER WITH O/C, S/C,E/F RELEASES & S/T COIL.
MCB	MINIATURE CIRCUIT BREAKER.
	CONTROL TRANSFORMER. STAR DELTA
	CURRENT TRANSFORMER (RESIN CAST)
	FACIA WINDOW ANNUNCIATOR COMPLETE WITH ACCEPT, RESET & TEST FACILITIES
	DISTRIBUTION TRANSFORMER
	TRIP-NEUTRAL-CLOSE BREAKER CONTROL SWITCH
	LED TYPE INDICATING LAMP
APFCR	AUTOMATIC POWER FACTOR CORRECTION RELAY
86	MASTER TRIPPING RELAY
27	IDMT UNDERVOLTAGE RELAY

50	INSTANTANEOUS OVER CURRENT 1POLE (NUMERICAL)	E/I	ELECTRICAL INTERLOCKING
51	AC TIME OVER CURRENT REALY (NUMERICAL)	M/I	MECHANICAL INTERLOCKING
95	TRIP CIRCUIT SYNC REALY	ON / OFF	ILLUMINATED PUSH BUTTON ON AND OFF
74	TRANSFORMER AUXILIARY REALY	CBCT ELR	CORE BALANCE CT WITH ELR.
32P	REVERSE POWER REALY	VAF	DIGITAL VAF METER
64R	ELECTRO MAGNETIC TYPE RESTRICTED EARTH FAULT REALY	MFM	DIGITAL MULTI FUNCTION METER WITH RS485 COMM PORT
EDO	ELECTRICALLY OPERATED DRAW OUT ACB	MDM	DIGITAL MULTI DATA METER WITH RS485 COMM PORT
MDO	MANUALLY OPERATED DRAW OUT ACB		CHANGE OVER SWITCH

REV NO	DATE	DESCRIPTION
DRAWING ISSUED FOR :		
APPROVAL :		
TENDER :		
STUDY :		
EXECUTION :		

ELECTRICAL

N

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STATE BANK OF INDIA

JOB TILTE:

PROPOSED CONSTRUCTION OF BUILDINGS FOR 1) ONE DGM BUNGALOW AND 2) OFFICERS QUARTERS FOR AGMs / CMs AT GUNTUR

DRAWING:

Single Line Diagram

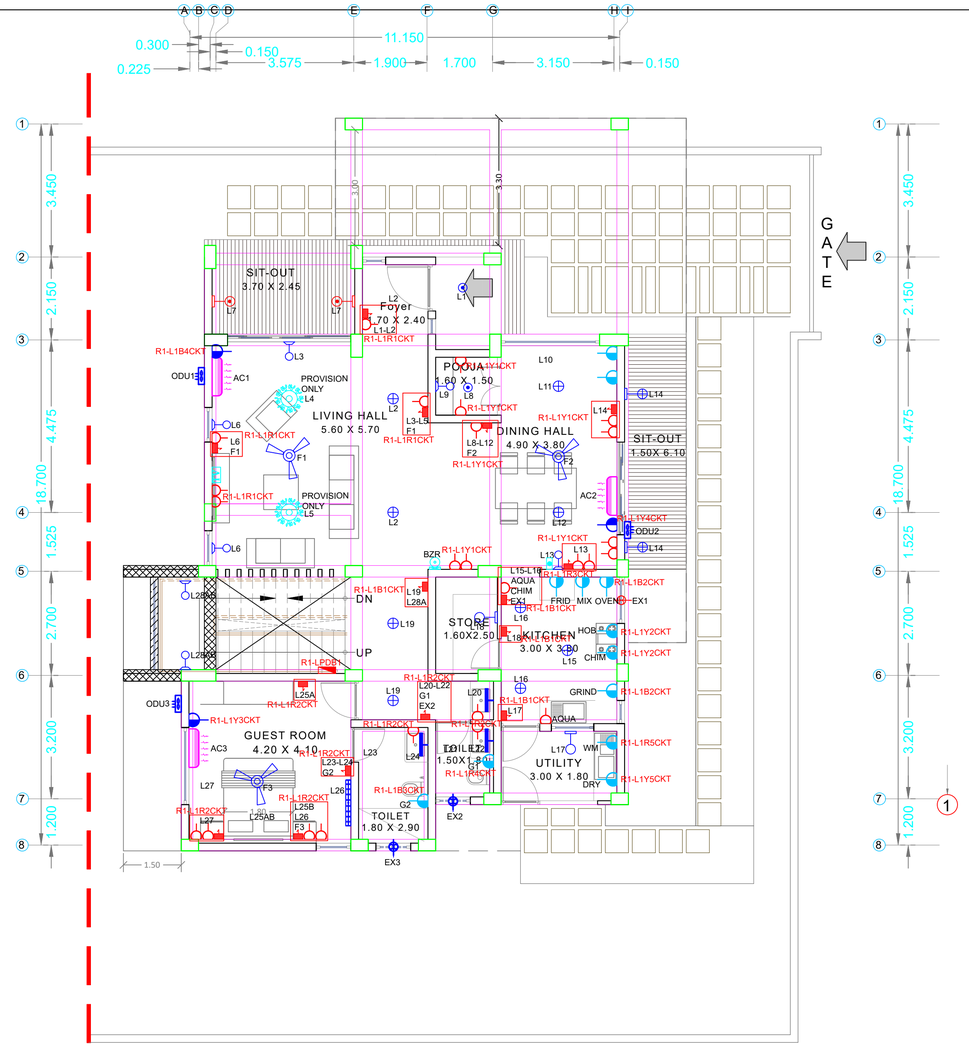
SCALE : NTS **DEALT: AJAY**

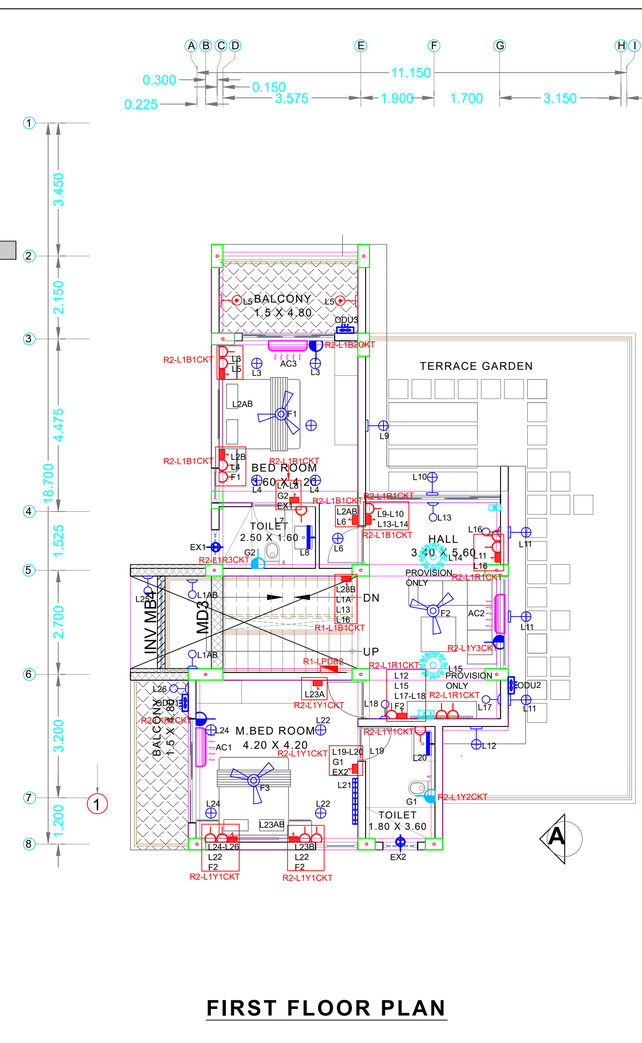
DATE : 10-06-2026 **CHECKED: AJAY**

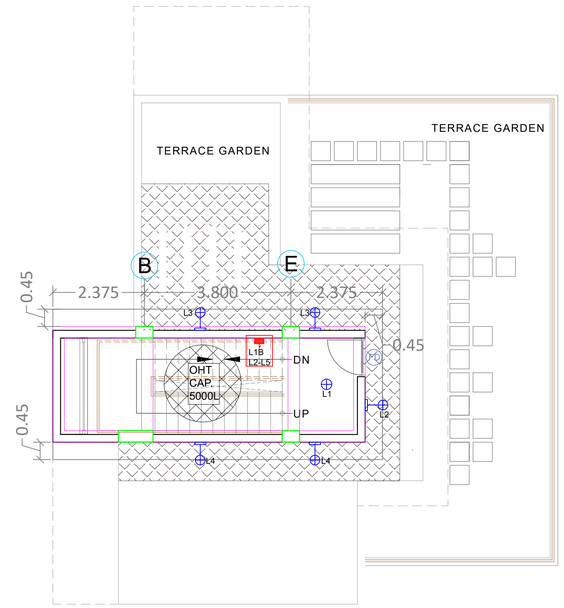
KAREKAR AND ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS, AND STRUCTURAL ENGINEERING CONSULTANTS
282, KAREKARS, GROUND FLOOR,
14TH CROSS, HIG DOLLARS COLONY,
RMV SECOND STAGE, BANGALORE - 560094

DRAWING NO.
SBISTAFFQ/ELEC/ SLD /05 R0.

SHEET NO. : 05



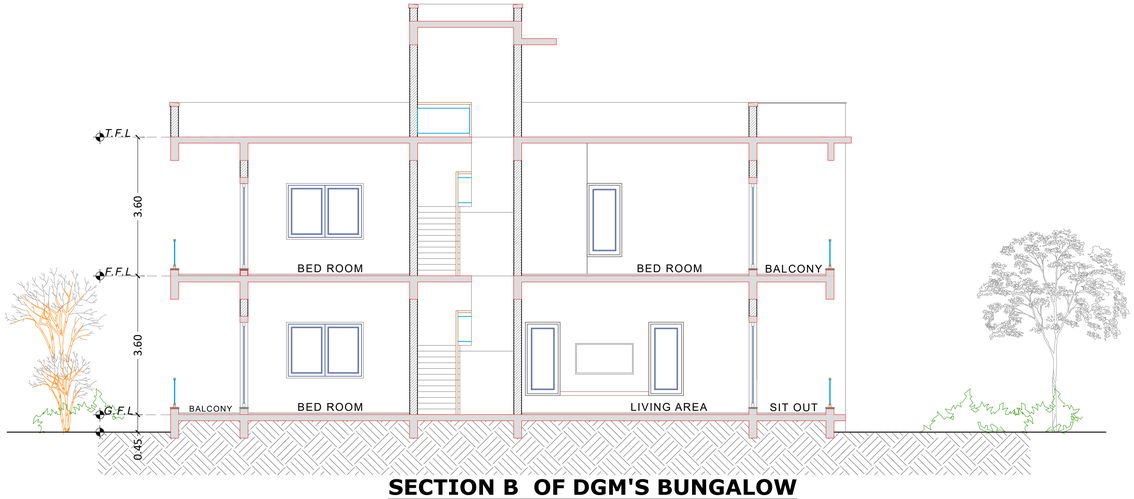




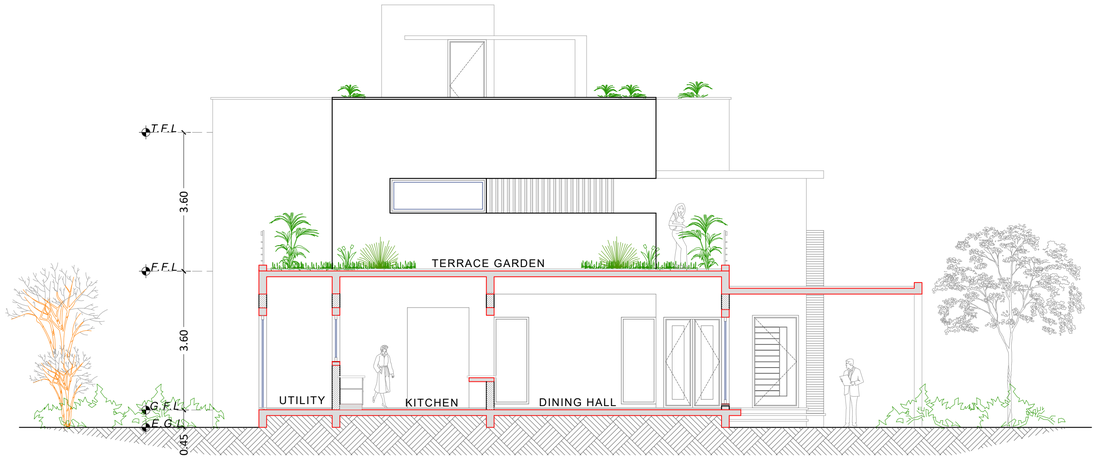
GROUND FLOOR PLAN

FIRST FLOOR PLAN

TERRACE FLOOR PLAN



SECTION B OF DGM'S BUNGALOW



SECTIONAL (A) ELEVATION OF DGM'S BUNGALOW

DGM BUNGALOW

REV NO	DATE	DESCRIPTION
DRAWING ISSUED FOR :		
APPROVAL :		
TENDER :		
STUDY :		
EXECUTION :		

ELECTRICAL

CLIENT:
STATE BANK OF INDIA

JOB TILTE:
PROPOSED CONSTRUCTION OF BUILDINGS FOR 1) ONE DGM BUNGALOW AND 2) OFFICERS QUARTERS FOR AGMs / CMs AT GUNTUR

DRAWING:
FLOOR PLANS AND SECTIONAL ELEVATION

SCALE : 1:100	**DEALT: AJAY**
DATE : 10-06-26	**CHECKED: AJAY**

KAREKAR AND ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS, AND STRUCTURAL ENGINEERING CONSULTANTS
282, KAREKARS, GROUND FLOOR,
14TH CROSS, HIG DOLLARS COLONY,
RMV SECOND STAGE, BANGALORE - 560094

DRAWING NO.
SBIDGMB/ELEC/ GF FF LIGHTING PLAN/06 R3

SHEET NO. : 06