

NORTH :



ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMø CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING
& CONDUIT LAYOUT FOR GROUND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

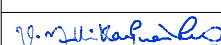
CONSULTANTS :

 **S.S.Infrastructure Project Consultants Pvt. Ltd.**
Plot No:48, Second Floor, Sagar Society
Road No:2, Banjara Hills, Hyderabad -500034
Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

ELECTRICAL
DESIGNS V.Mallikarjuna Rao


PRINCIPAL
CONSULTANT: S.S.RAO


SHEET NO:

01

DRG.NO: SSIPCPL/TSERC/GF/K-NGR/LD-01

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
FOR GROUND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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DATE : 11-11-2023

SCALE : N.T.S

DEALT BY : ABID

ELECTRICAL
DESIGNS

PRINCIPAL
CONSULTANT:

SHEET NO:

02

DRG.NO: SSIPCPL/TSERC/GF/K-NGR/RPD-02

+100.3LVL

+100.45LVL

+100.45LVL

+100.60LVL

HVAC SHAFT
(750x300)

FIRE SHAFT-2
(750x525)

opening

WAITING AREA
5.0M X 3.0M
16'-7" x 10'-1"
Ø32mm Sleeves For
Telephone, LAN & CCTV

LOBBY
6.96M X 10.1M
22'-10" x 33'-7"

Ø32MM SLEEVES FOR
ELECTRICAL

D-PL-01
1.8 M x2.5 M
12 PASS.

SECURITY
CABIN
2.7M X 2.5M
9' x 8'-3"

UPS ROOM
3M x 3.4M
11'-3" x 9'10"
+100.45LVL

ELECTRICAL
ROOM
3.4M X 3M
+100.45LVL

D-PL-02
1.5 M x1.8 M
12 PASS.

SECURITY CABIN & CCTV ROOM
2.9M x 5.2M
9'-5" x 17'-3"

D-PL-01
1.8 M x2.5 M
12 PASS.

D-PL-01
1.8 M x2.5 M
12 PASS.

LOBBY
4.1M X 10.25M
13'-6" x 33'-8"

ELECTRICAL
& UPS SHAFT
(450x150)

STORE ROOM
5.5M x 5.7M
18'-0" x 18'-7"

FIRE SHAFT-1
(1000x600)

CHANGING ROOM
3.7M x 4.15M
12'-1" x 13'-6"

SHOWER

ELECTRICAL ROOM
2.8M X 5.12M
9'-2" x 15'-7"

B20

ELV SHAFT
(750x300)

LVS C/W
H/VAC SHAFT
(750x300)

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR GROUND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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DATE : 11-11-2023


SCALE : N.T.S

SHEET NO:

DEALT BY :

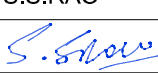
ABID

ELECTRICAL
DESIGNS

V.Mallikarjuna Rao


PRINCIPAL
CONSULTANT:

S.S.RAO



03

DRG.NO: SSIPCPL/TSERC/GF/K-NGR/ELV-03

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLOWED FOR ALL WIRING
 - PHASE : RED/YELLOW/BLUE
 - NEUTRAL : BLACK
 - EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.
- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MINIMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W,4 FEET,LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMø CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING
CONDUIT LAYOUT FOR FIRST FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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Ph: +91 40 35165677, 79,80. email: sslpcpl@gmail.com

DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

ELECTRICAL DESIGNS V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

DRG.NO: SSIPCPL/TSERC/1F/K-NGR/LD-04

SHEET NO:

04

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
FOR FIRST FLOOR

CLIENT :

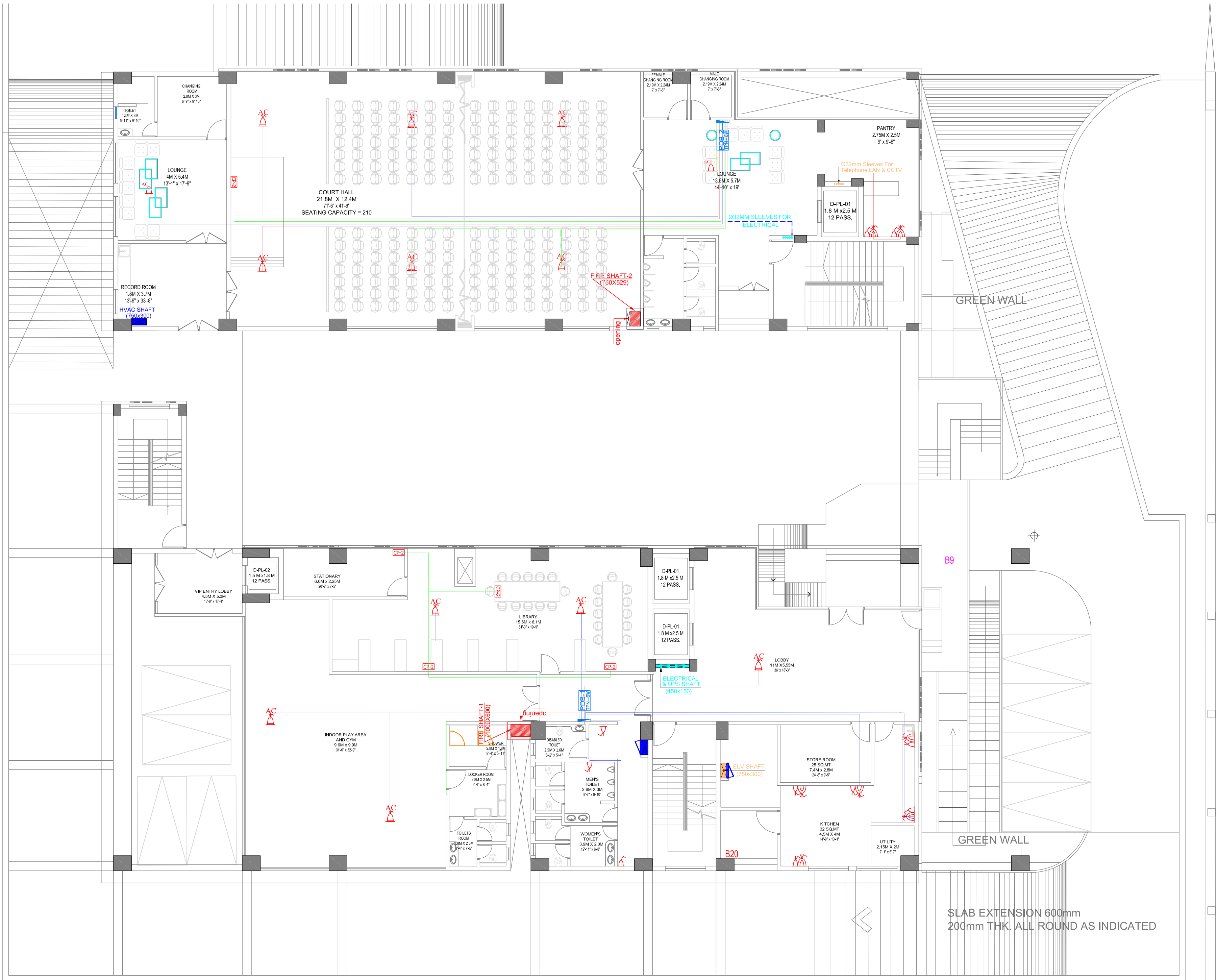
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SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

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DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	05
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	

DRG.NO: SSIPCPL/TSERC/1F/K-NGR/RPD-05



NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR FIRST FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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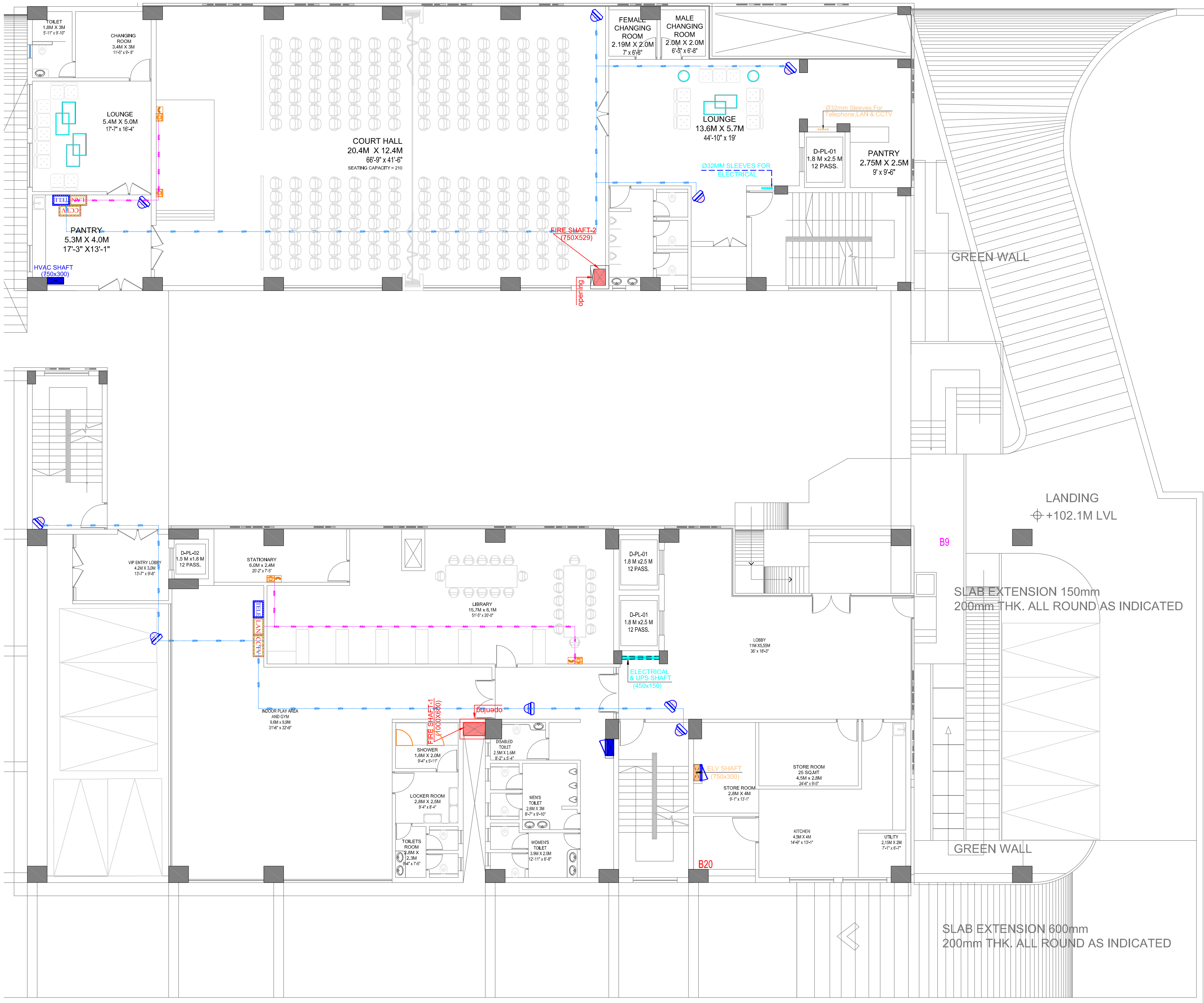
ELECTRICAL DESIGNS V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

DRG.NO: SSIPCPL/TSERC/1F/K-NGR/ELV-06

SHEET NO:

06



NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
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- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLOWED FOR ALL WIRING
 - PHASE : RED/YELLOW/BLUE
 - NEUTRAL : BLACK
 - EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.
- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MINIMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'X2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W,4 FEET,LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMø CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
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	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING
&CONDUIT LAYOUT FOR SECOND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

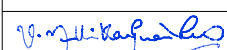
CONSULTANTS :

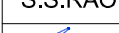
 **S.S.Infrastructure Project Consultants Pvt. Ltd.**
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DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

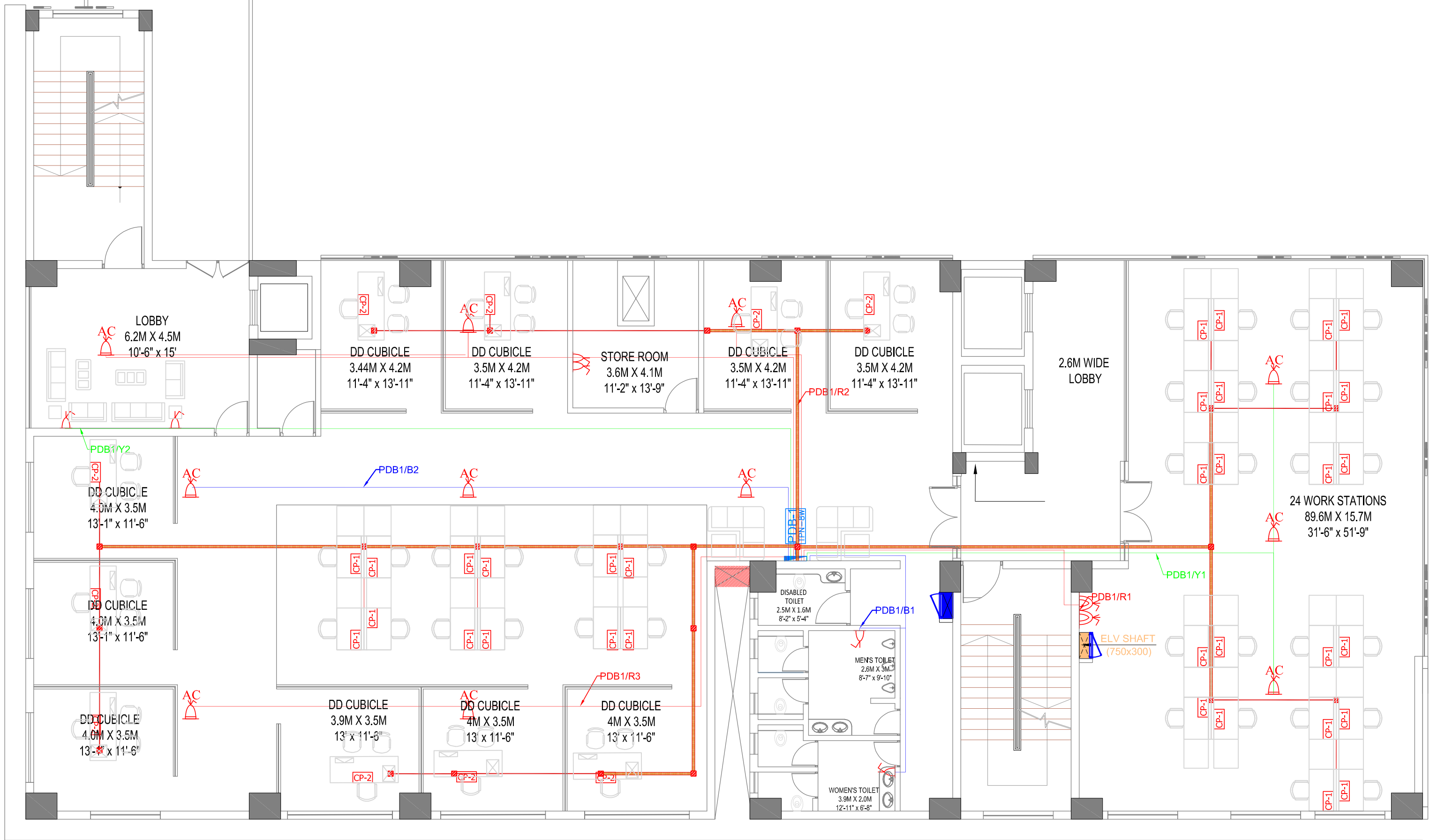
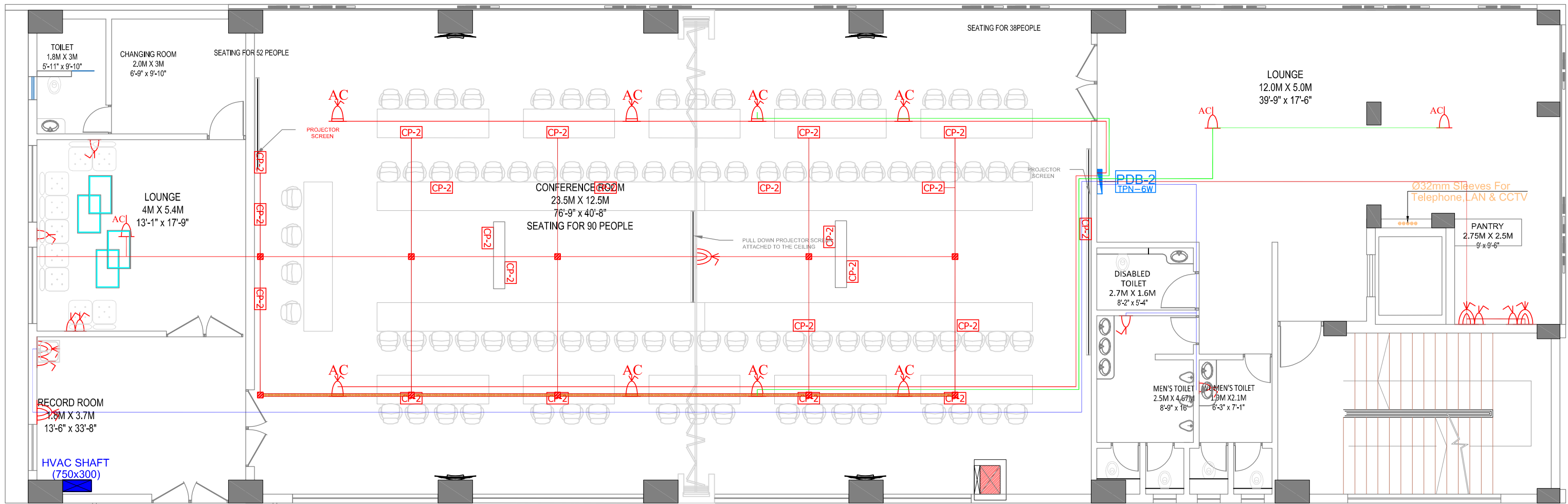
ELECTRICAL
DESIGNS


PRINCIPAL
CONSULTANT:


SHEET NO:

07

DRG.NO: SSIPCPL/TSERC/2F/K-NGR/LD-07



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NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

CP

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
FOR SECOND FLOOR

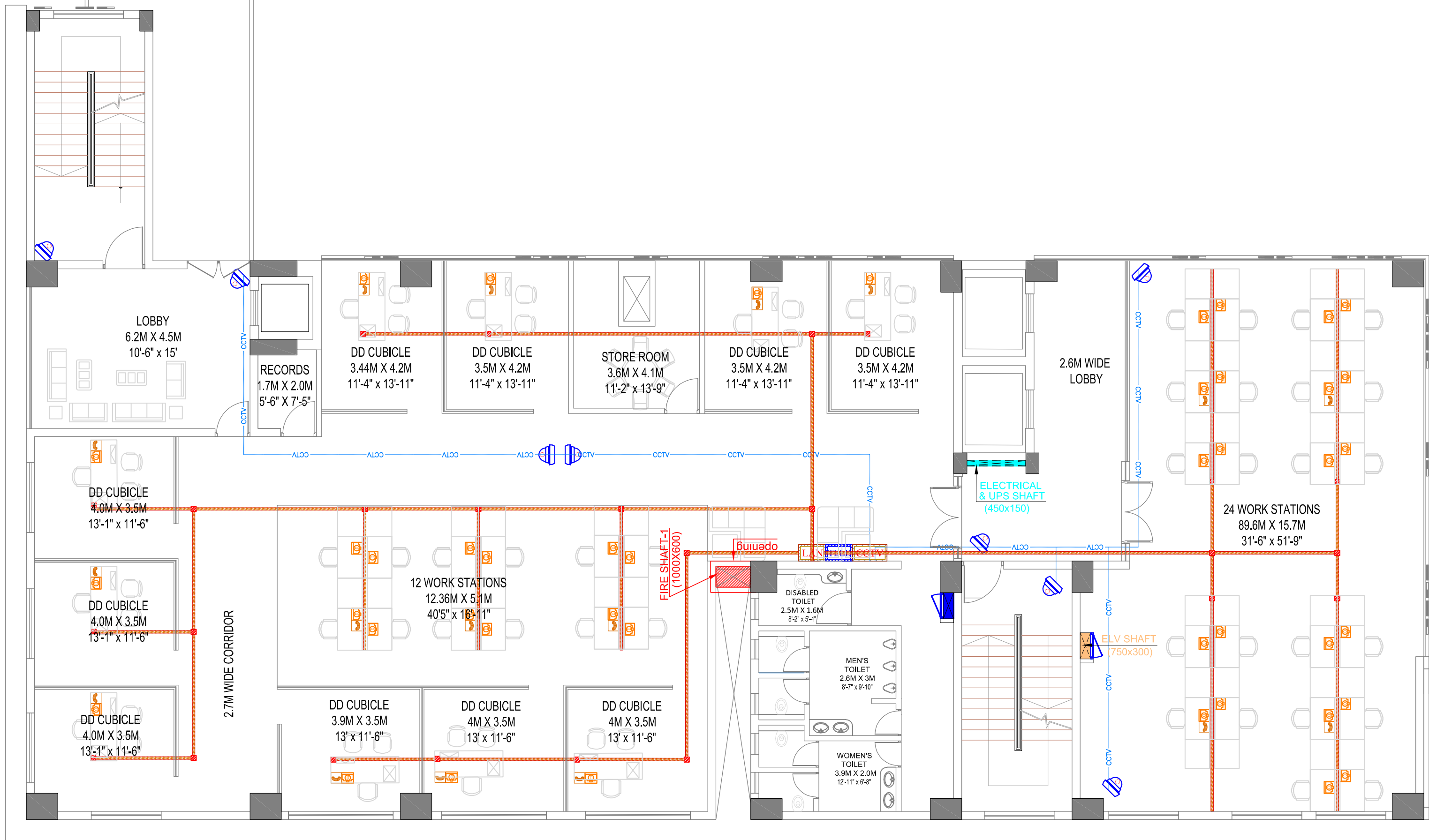
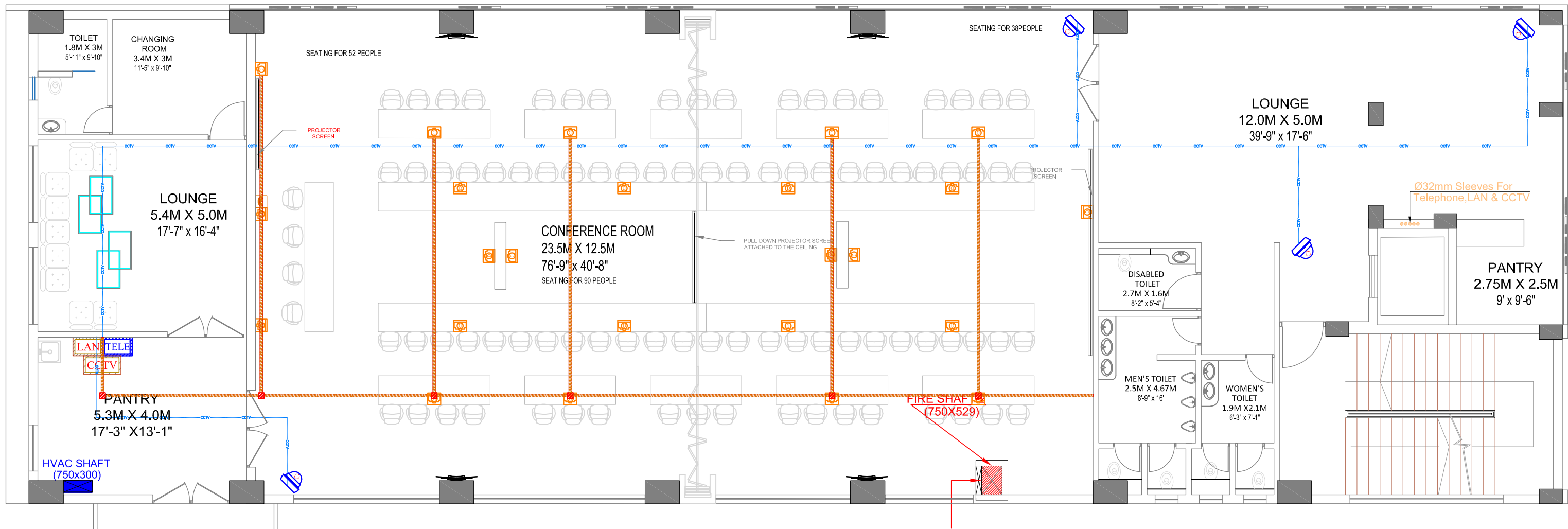
CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	08
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO:	SSIPCPL/TSERC/2F/K-NGR/RPD-08	



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NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR SECOND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

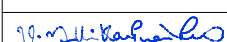
CONSULTANTS :


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Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

ELECTRICAL
DESIGNS V.Mallikarjuna Rao


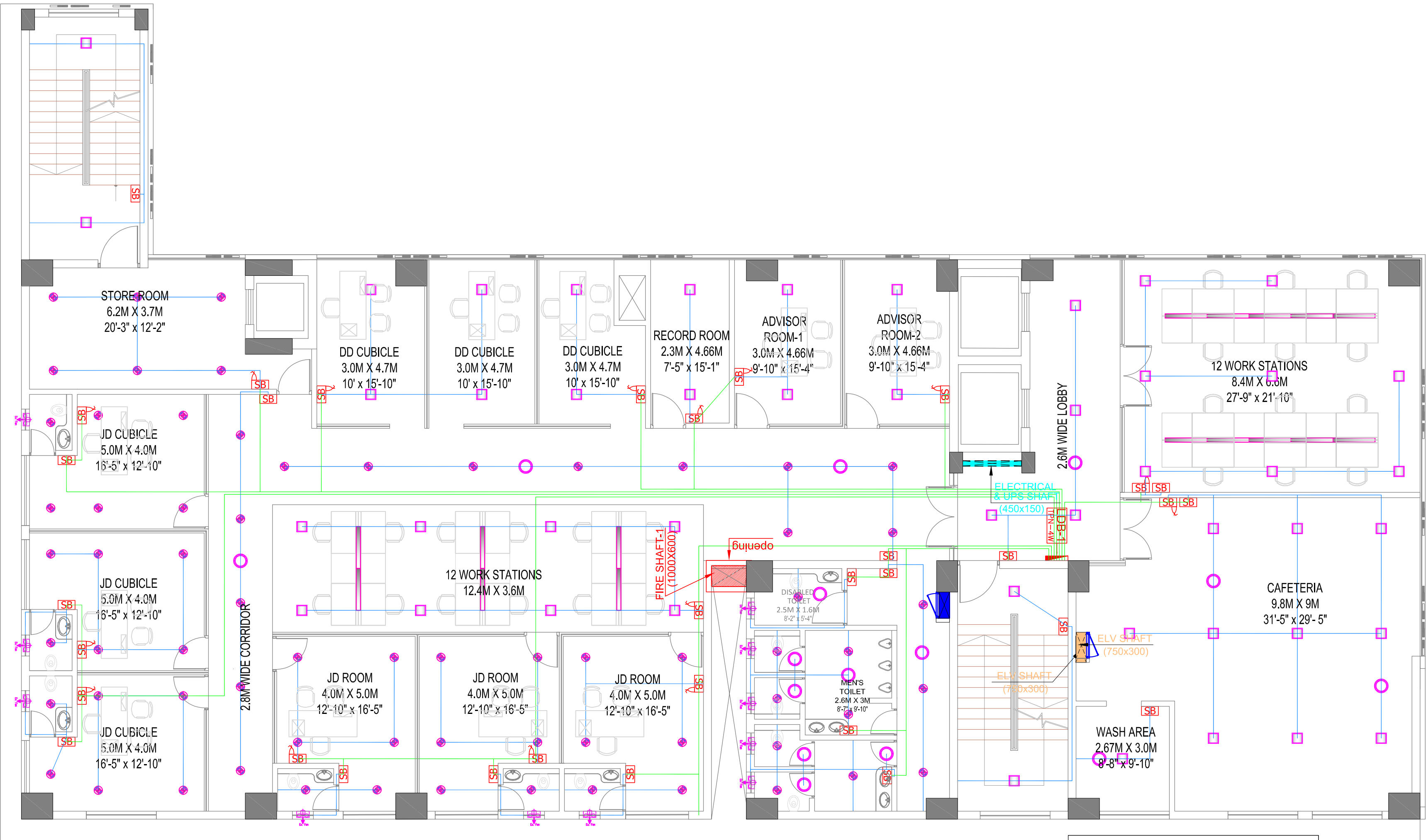
PRINCIPAL
CONSULTANT: S.S.RAO


SHEET NO:

09

DRG.NO: SSIPCPL/TSERC/2F/K-NGR/ELV-09

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
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- b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
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- PHASE : RED/YELLOW/BLUE
- NEUTRAL : BLACK
- EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.

- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MINIMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.
- | | 1.5sqmm | 2.5sqmm | 4.0sqmm | 6sqmm |
|------|---------|---------|---------|-------|
| 19mm | 5 nos | 4 nos | 2 nos | 2 nos |
| 25mm | 9 nos | 8 nos | 5 nos | 5 nos |
| 32mm | 13 nos | 12 nos | 9 nos | 9 nos |
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'X2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

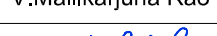

LIGHTING WORKING DRAWING
CONDUIT LAYOUT FOR THIRD FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

 **S.S.Infrastructure Project Consultants Pvt. Ltd.**
Plot No:48, Second Floor, Sagar Society
Road No.2, Banjara Hills, Hyderabad -500034
Ph: +91 40 35165677, 79, 80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	10
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO: SSIPCPL/TSERC/3F/K-NGR/LD-10		



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NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
DRAWING FOR THIRD FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
Plot No: 48, Second Floor, Sagar Society
Road No.2, Banjara Hills, Hyderabad - 500034
Ph: +91 40 35165677, 79, 80. email: sspcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	11
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	

DRG.NO: SSIPCPL/TSERC/3F/K-NGR/RPD-11

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :



NETWORKING & CCTV SURVEILLANCE
DRAWING FOR THIRD FLOOR

CLIENT :

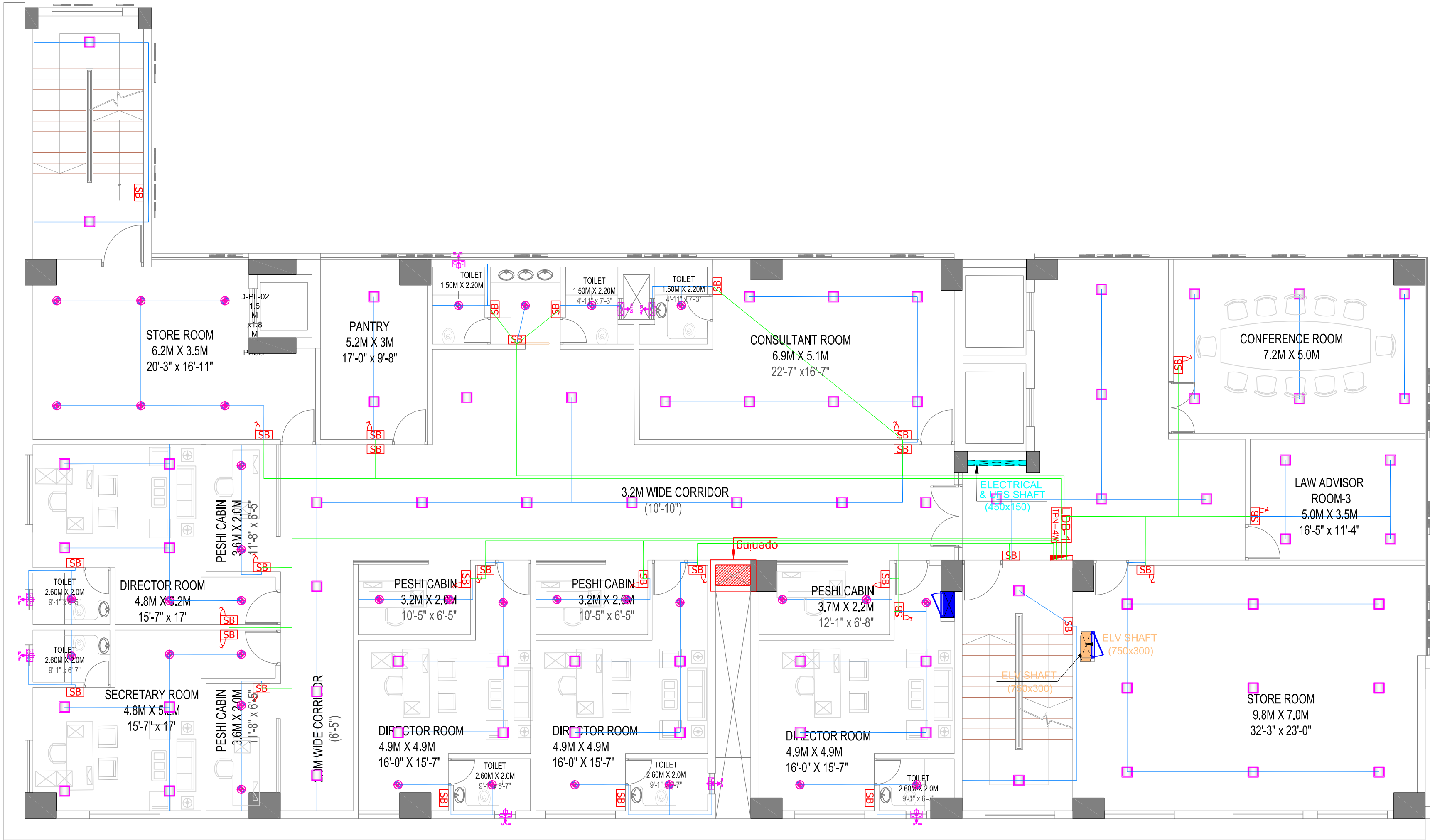
TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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Road No.2, Banjara Hills, Hyderabad -500034
Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	12
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO: SSIPCPL/TSERC/3F/K-NGR/ELV-12		

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLWED FOR ALL WIRING
PHASE : RED/YELLOW/BLUE
NEUTRAL : BLACK
EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.

- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MINIMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

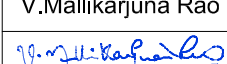
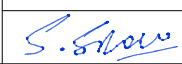
LIGHTING WORKING DRAWING
CONDUIT LAYOUT FOR FOURTH FLOOR

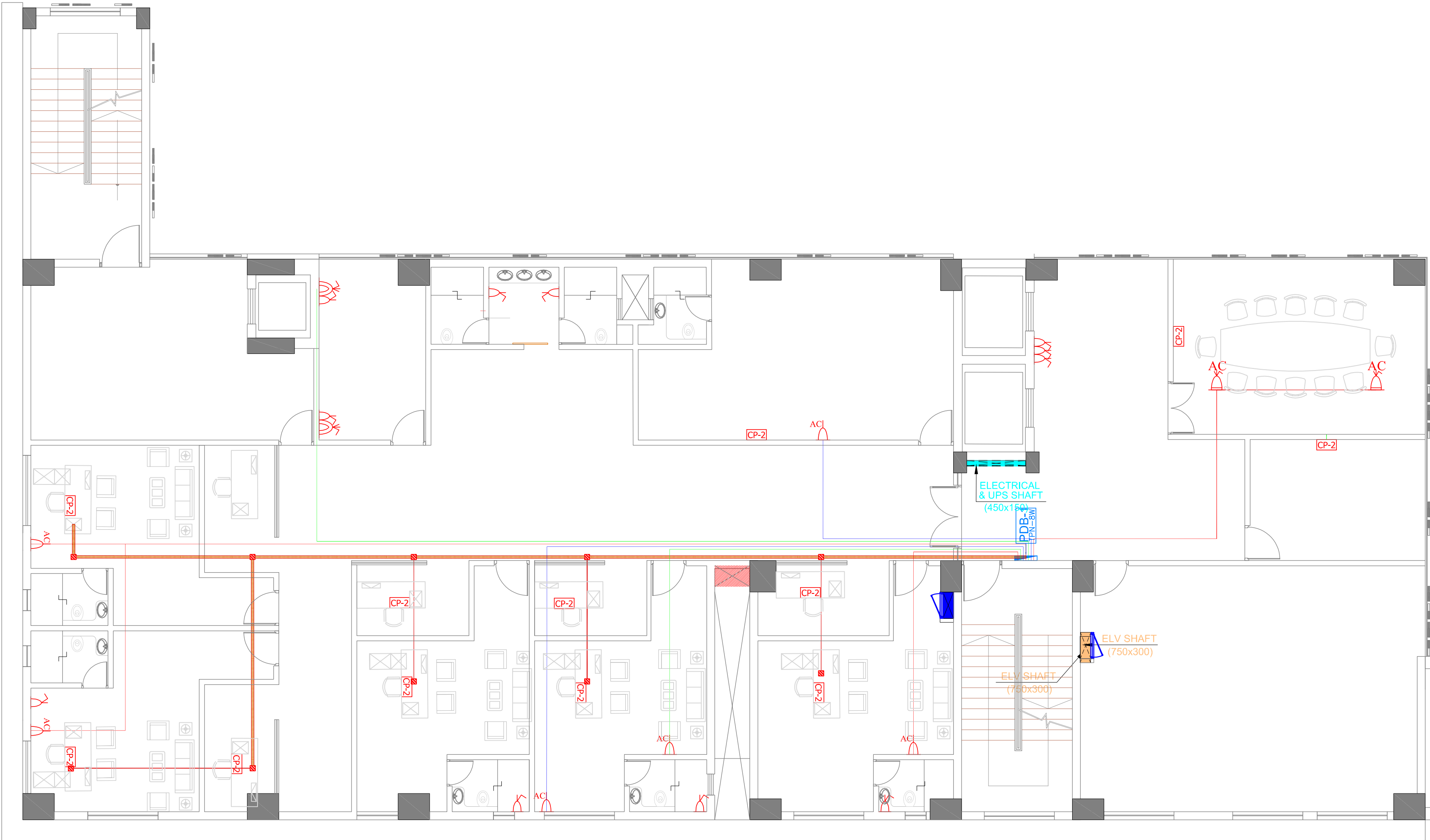
CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

 **S.S.Infrastructure Project Consultants Pvt. Ltd.**
Plot No:48, Second Floor, Sagar Society
Road No.2, Banjara Hills, Hyderabad -500034
Ph: +91 40 35165677, 79, 80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	13
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO: SSIPCPL/TSERC/4F/K-NGR/LD-13		



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NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
DRAWING FOR FOURTH FLOOR


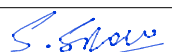
CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :



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Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	14
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	

DRG.NO: SSIPCPL/TSERC/4F/K-NGR/RPD-14

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

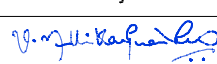
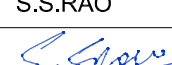
NETWORKING & CCTV SURVEILLANCE
DRAWING FOR FOURTH FLOOR

CLIENT :

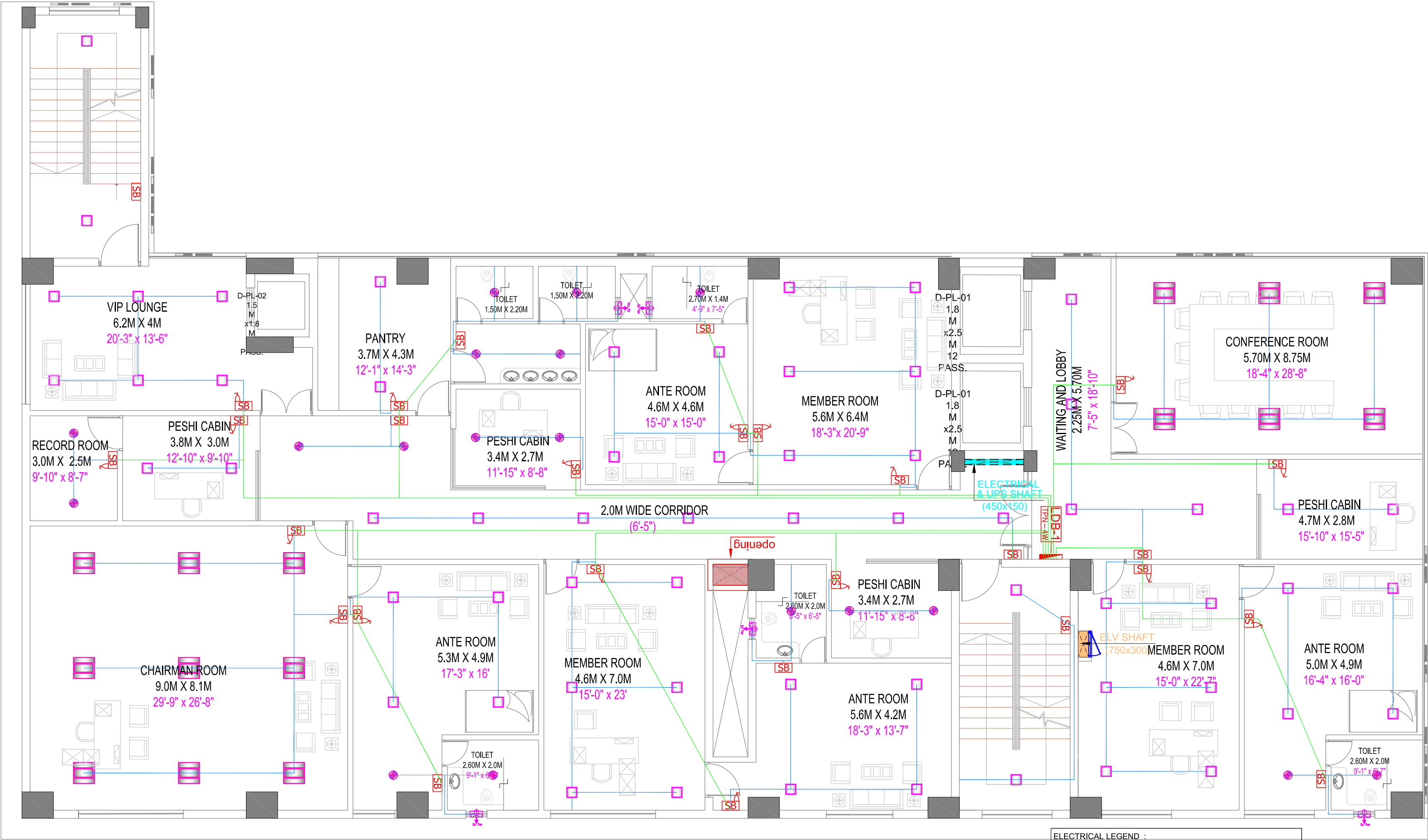
TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
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CONSULTANTS :

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Road No.2, Banjara Hills, Hyderabad -500034
Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	15
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO: SSIPCPL/TSERC/4F/K-NGR/ELV-15		

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
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- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
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- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.
- | | 1.5sqmm | 2.5sqmm | 4.0sqmm | 6sqmm |
|------|---------|---------|---------|-------|
| 19mm | 5 nos | 4 nos | 2 nos | 2 nos |
| 25mm | 9 nos | 8 nos | 5 nos | 5 nos |
| 32mm | 13 nos | 12 nos | 9 nos | 9 nos |
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'X2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W,4 FEET,LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

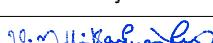

LIGHTING WORKING DRAWING
CONDUIT LAYOUT FOR FIFTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

 **S.S.Infrastructure Project Consultants Pvt. Ltd.**
Plot No:48, Second Floor, Sagar Society
Road No.2, Banjarahills, Hyderabad -500034
Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	16
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO: SSIPCPL/TSERC/5F/K-NGR/LD-16		

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
DRAWING FOR FIFTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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Plot No: 48, Second Floor, Sagar Society
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Ph: +91 40 35165677, 79, 80. email: ssipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	17
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	

DRG.NO: SSIPCPL/TSERC/5F/K-NGR/RPD-17

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR FIFTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

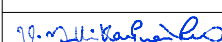
CONSULTANTS :


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Ph: +91 40 35165677, 79,80. email: ssipcpl@gmail.com

DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

ELECTRICAL
DESIGNS


PRINCIPAL
CONSULTANT:


18

DRG.NO: SSIPCPL/TSERC/5F/K-NGR/ELV-18

