



**St. Joseph's College For Women (Autonomous)**  
**Visakhapatnam - 530004**

*(NAAC Reaccredited & ISO 9001:2015, 14001:2015 Certified)*





# St. Joseph's College for Women (A)

Gnanapuram, Visakhapatnam - 530004 (A.P)

(Affiliated to Andhra University)

Reaccredited by NAAC - ISO 9001:2015, 14001:2015 Certified

Phone Nos: 0891-2558346, 7075856500, E.mail: sjcw@stjosephsvizag.com, Web: www.stjosephscollegevisakhapatnam.ac.in

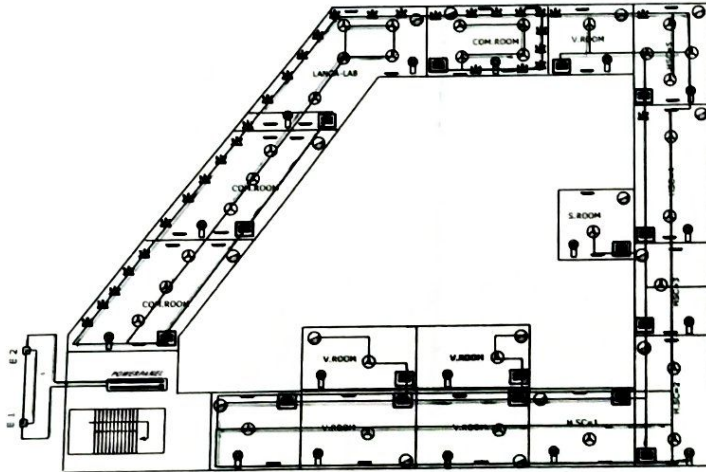
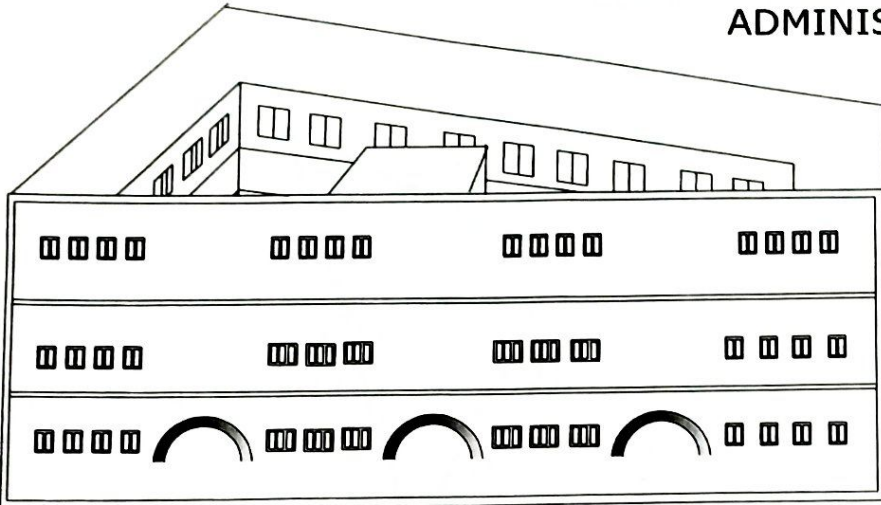
## 7.1.2(2): Wheeling to the Grid



*T. Bhasani Sultu*  
IQAC Coordinator  
IQAC Coordinator  
St. Joseph's College for Women  
(Autonomous)  
VISAKHAPATNAM-530 004

*S. Shyama*  
Principal  
PRINCIPAL  
St. Joseph's College for Women  
(Autonomous)  
VISAKHAPATNAM - 530 004

# BLOCK - 1 COLLEGE ADMINISTRATIVE BUILDING

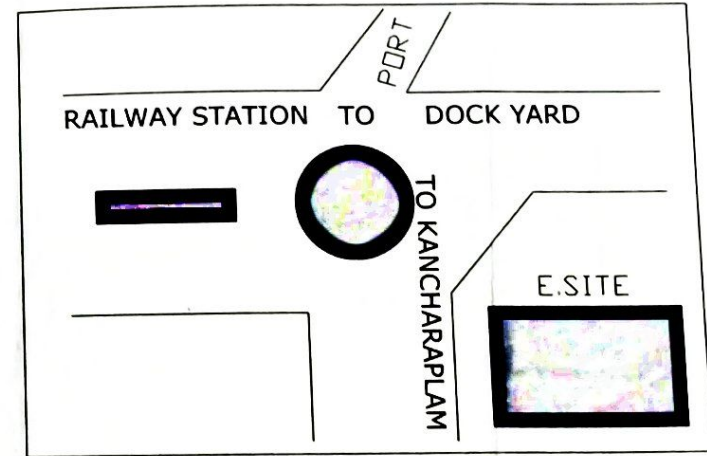


APPROVAL

**APPROVED**

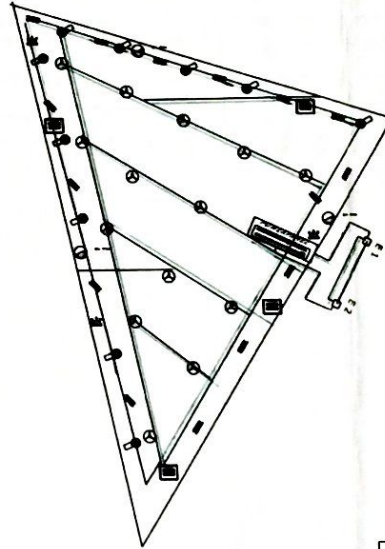
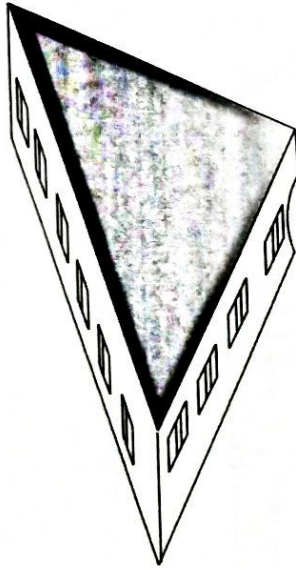
Subject to the Conditions  
Specified vide this Order  
No: 979 (Reg. No 11)  
24/10/10  
Electrical Inspector  
Govt. of A.P.  
Visakhapatnam

## KEY PLAN



LISCENCE HOLDER FOR SRI RATNA ELECTRICAL WORKS P. Sankar Reddy Proprietor	CONSUMER S. N. D. Venkatesh PRINCIPAL St. Joseph's College for Women (Autonomous)
	PRINCIPAL St. Joseph's College for Women VISA KHAPATNAM - 530004 VISA KHAPATNAM.

# BLOCK - 2 COLLEGE LIBRARY



APPROVAL

**APPROVED**

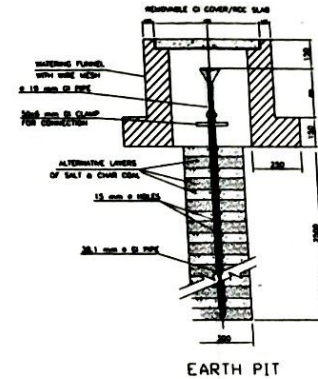
Subject to the Conditions Specified side this order

dt: No: 979 Reg. No 11

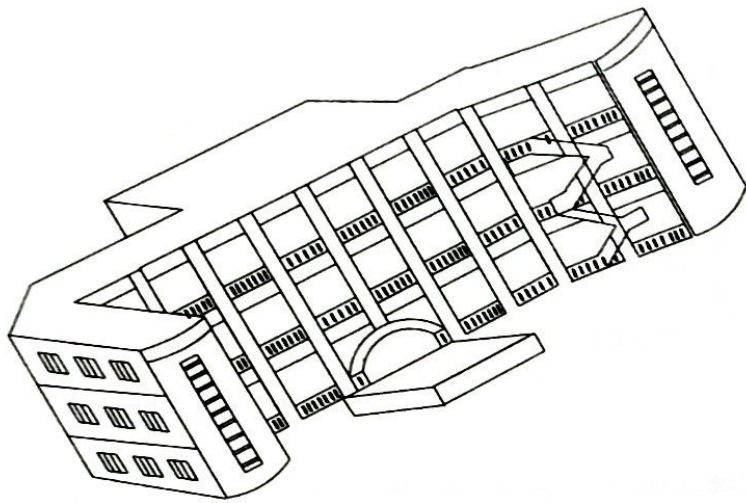
12/4/10

*[Signature]*

Electrical Inspector  
Govt. of A.P.  
Visakhapatnam



LISCENCE HOLDER FOR SRI RATNA ELECTRICAL WORKS	CONSUMER
<i>P. Sankar</i> Proprietor	<i>P. N. J. Venkatesh</i> PRINCIPAL St. Joseph's College for Women (Autonomous)
	PRINCIPAL St. Joseph's College for Women, VISAHAPATNAM - 530004 VISAHAPATNAM.



# BLOCK - 3 COLLEGE

APPROVAL

**APPROVED**

Subject to the Conditions  
Specified side this Office

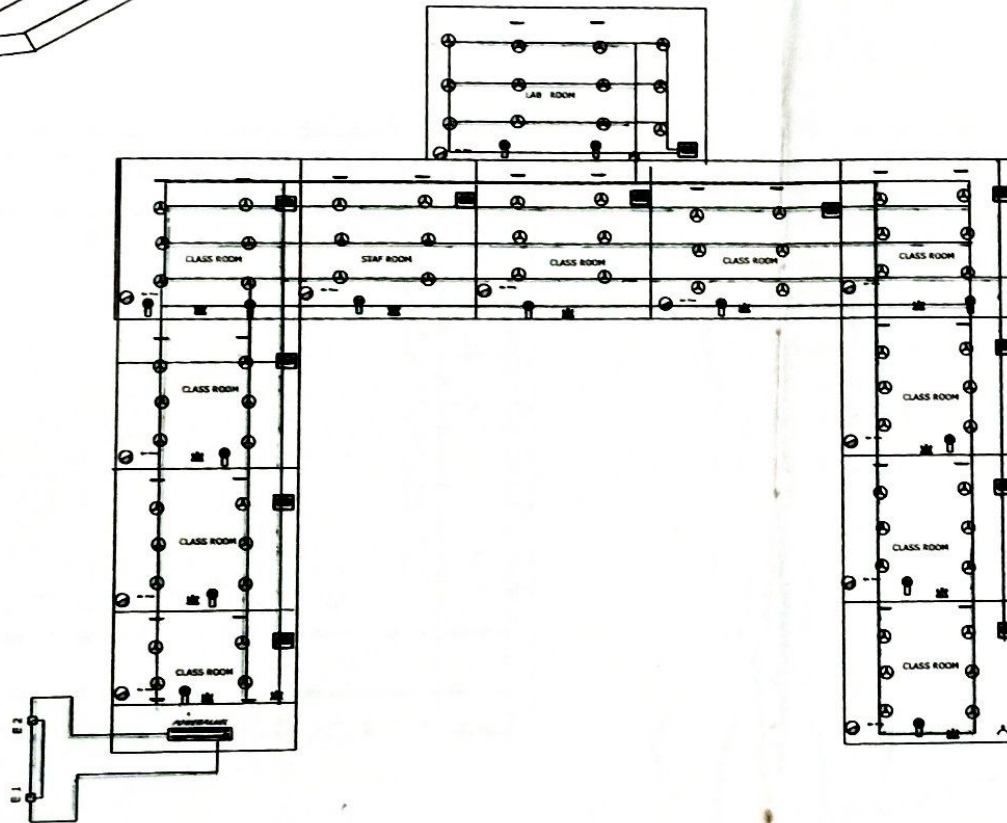
No: 979 Reg. No 11

1.24/2010

*S. Jayaram*  
Electrical Inspector

Govt. of A.P.

Vishakhapatnam



For SRI RATNA ELECTRICAL WORKS

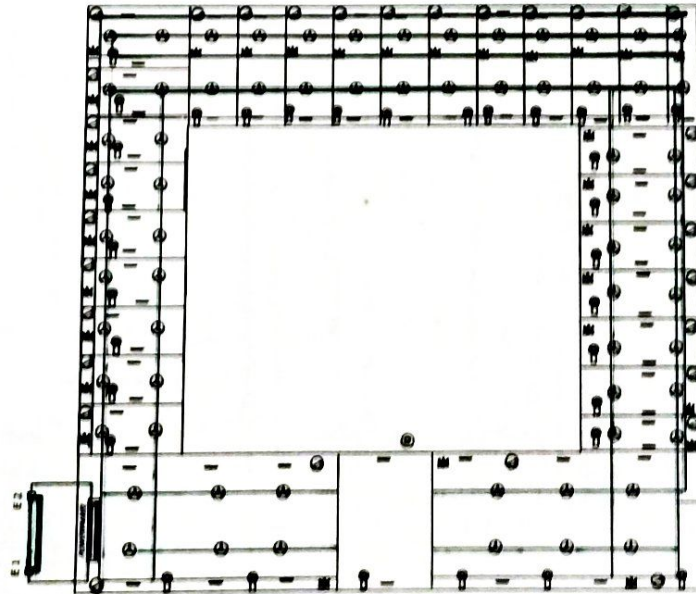
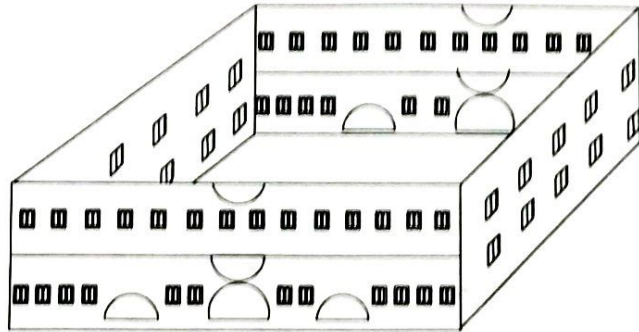
*P. Sankar*  
Contractor

CONSUMER

*P. N. D. Udaya*  
PRINCIPAL

PRINCIPAL, Joseph's College for Women  
St. Joseph's College (Autonomous)  
VISA KHARAPATNAM - 530004

# BLOCK - 4 HOSTAL



APPROVAL

**APPROVED**

subject to the Conditions  
Specified in the Office

of No. 979 Reg. No. 4

14/4/10

*[Signature]*  
Electrical Inspector

Govt. of A.P.

*[Signature]*

## NOTES:-

1. ALL THE PANEL AND EQUIPMENTS ARE DOUBLE EARTHED
2. 25x3MM HDPC FLAT PROVIDED FOR MAIN EARTHING
3. FOR MOTORS EARTHING NO.8 HDPC COPPER WIRE WILL BE PROVIDED
4. EARTHING SHOWN IN GREEN
5. DETAILS OF WIRING
  - A) WIRING WILL BE CARRIED OUT WITH PVC UNSHEATHED SINGLE CORE MULTISTRAND COPPER WIRE.
  - B) POINT WIRING WITH 14/0.3mm AND EARTHING WITH 14/0.3mm COPPER WIRE.
  - C) LIGHTING CIRCUIT WITH 28/ 0.3mm AND EARTHING WITH 14/ 0.3mm COPPER WIRE.
  - D) POWER PLUGS WITH 65/ 0.3mm AND EARTHING WITH 28/0.3mm COPPER WIRE.

LISCENCE HOLDER

For SRI RATNA ELECTRICAL WORKS  
*P. Sankar Reddy* Director

CONSUMER

*P. N. D. Venkatesh*

PRINCIPAL

St. Joseph's College for Women  
(Autonomous)

PRINCIPAL

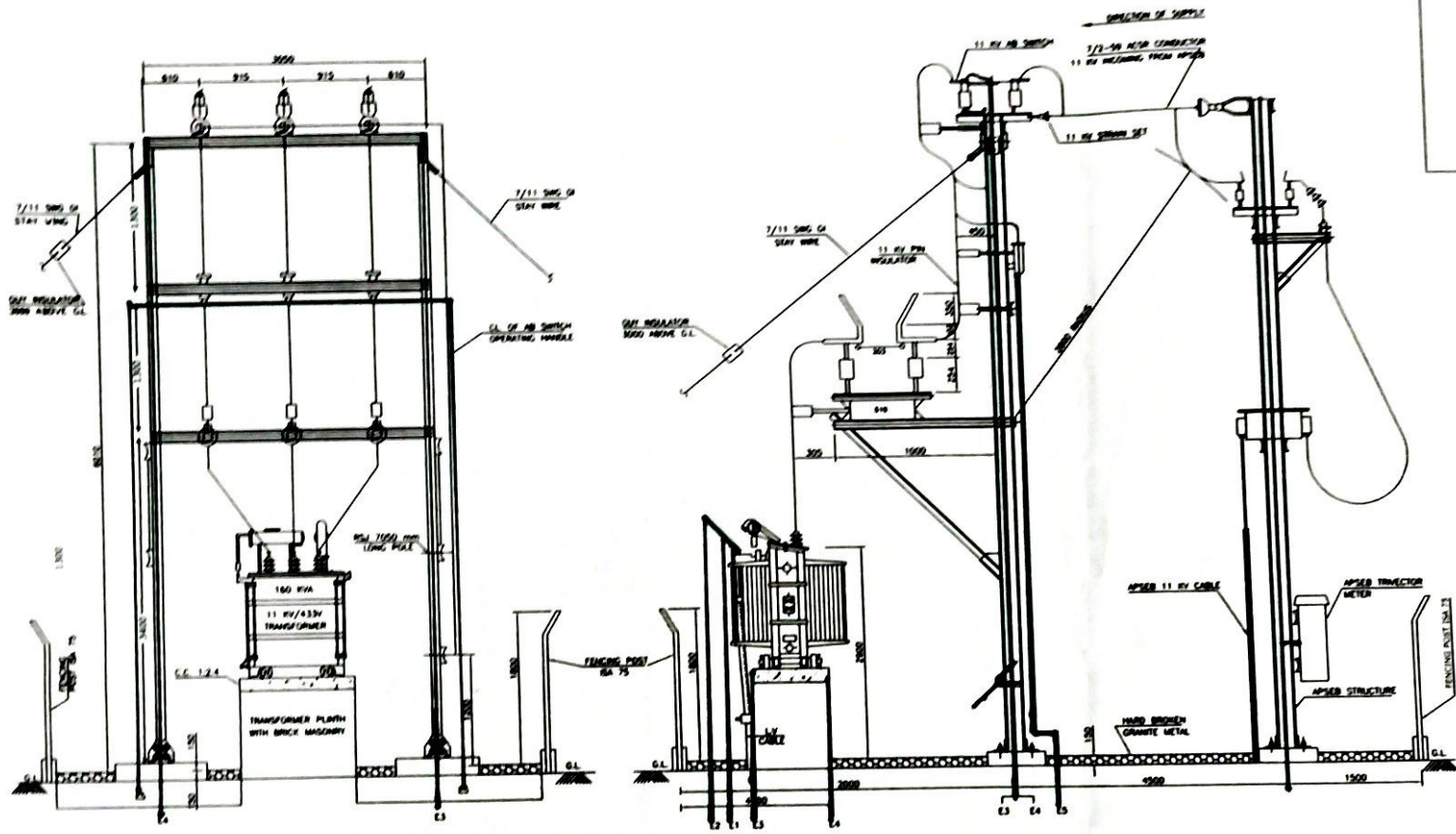
VISAKHAPATNAM - 530004  
St. Joseph's College for Women,  
VISAKHAPATNAM.

APPROVAL

**APPROVED**

Subject to the Conditions Specified vide this Order No. 879 (Reg. No 11) 12/4/10

*[Signature]*  
Electrical Inspector  
Govt. of A.P.  
Visakhapatnam



SECTION ELEVATION ON 'Y' 'Y'

SECTION ELEVATION ON 'X' 'X'

- NOTES -**
- 01 ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
  - 02 EARTH CONNECTIONS ARE SHOWN IN GREEN
  - 03 GI PIPE ELECTRODES AS PER IS:3043-1987
  - 04 STRUCTURE IS PROVIDED WITH 4 STAY WIRE
  - 05 ALL CHANNEL SECTIONS ARE WITH GRAC 100x50
  - 06 SECTION CLEARANCE OF 2000 MAINTAINED BETWEEN INCLUDING AP TRUSSING LINE AND CONSUMER UP HG FUSE MOUNTING CHANNEL
  - 07 A CLEARANCE OF 450mm SHALL BE MAINTAINED BETWEEN THE HG FUSE CHANNEL AND JAMPER
  - 08 A CLEARANCE OF 350mm SHALL BE MAINTAINED BETWEEN JAMPER AND CONSUMER AS PER IS:162-1982
  - 09 DISTANCE BETWEEN EARTH PITS SHALL BE MAINTAINED NOT LESS THAN 3000mm
  - 10 FENCING EARTH IS WITH 25x3mm GI FLAT
  - 11 LOCATION OF AP TRUSSING GATE, CONSUMER GATE AND LINKED SWITCH IF ANY ARE SHOWN IN DRAWING
  - 12 TRANSFORMER YARD FENCING AREA IS 12000x8000 WITHOUT MARK105K
  - 13 TRANSFORMER YARD FENCING AREA IS 14000x8000 WITH MARK105K

EQUIPMENT RATINGS	
01 TRANSFORMER	100 KVA
02 HV CABLES	50 mm
03 No. OF CABLE RUNS	None
04 TRAFFO. NEUTRAL EARTH WITH	25 x 8 Cu FLAT
05 L A S EARTHING WITH	25 x 3 Cu FLAT
06 GP GENERAL EARTHING WITH	25 x 3 GI FLAT
07 TRAFFO BODY EARTHING WITH	25 x 3 GI FLAT
08 HV CABLE GROUND EARTHING WITH	8 SMC Cu WIRE
09 AB SWITCH HANDLE WITH	10 SMC Cu WIRE

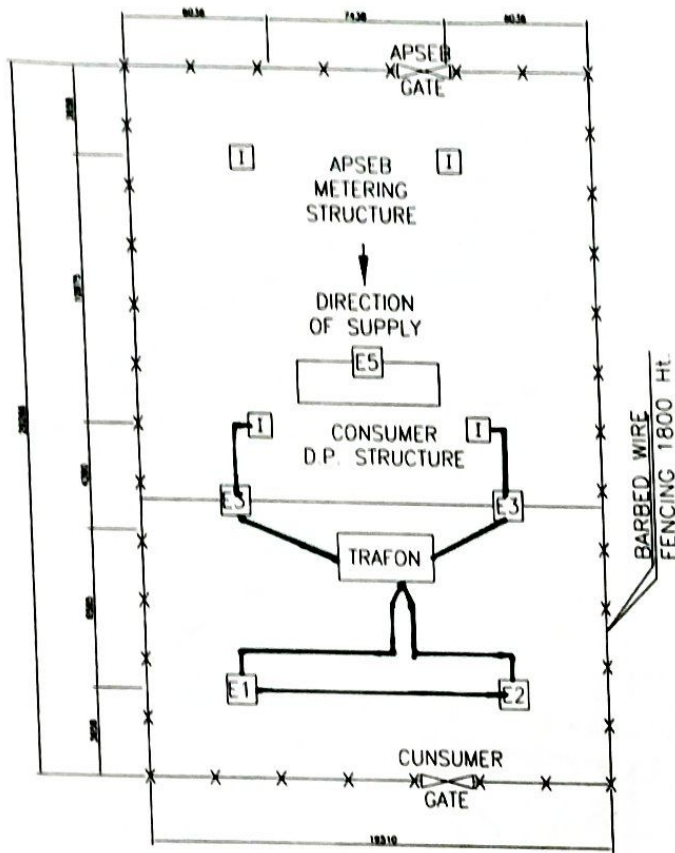
SUB STATION LAYOUT

**PRINCIPAL,**  
ST. JOSEPH'S COLLEGE FOR WOMAN  
VISAKHAPATNAM

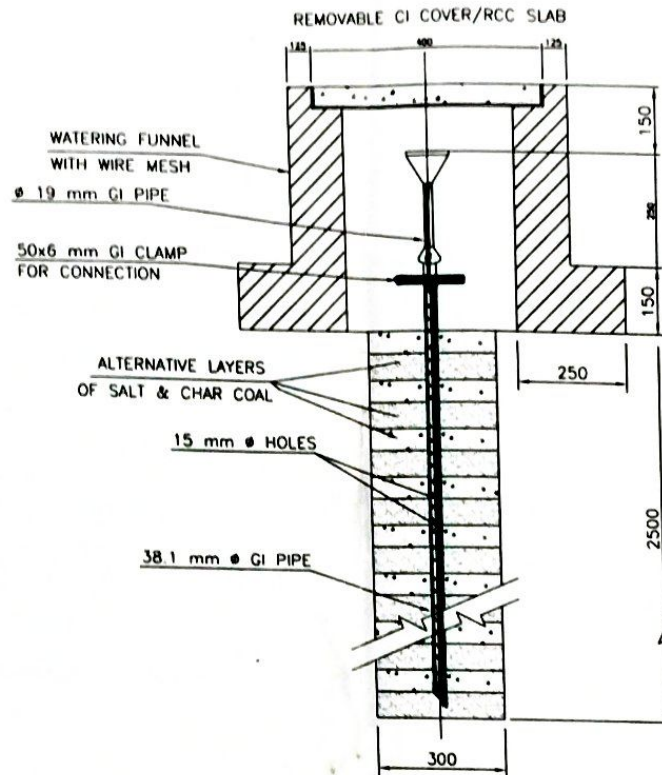
LISCENCE HOLDER  
FOR SRI RAMA ELECTRICAL WORKS  
*P. Sankar Prasad* Proprietor

CONSUMER

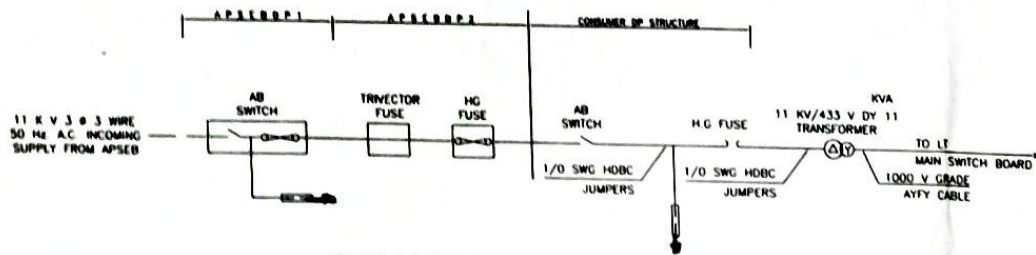
*S. N. D. Venkatesh*  
PRINCIPAL  
St. Joseph's College for Women  
(Autonomous)  
PRINCIPAL VISAKHAPATNAM - 530004  
St. Joseph's College for Women,  
VISAKHAPATNAM.



SUB STATION PLAN



EARTH PIT



SCMATIC DIAGRAM

APPROVAL

**APPROVED**

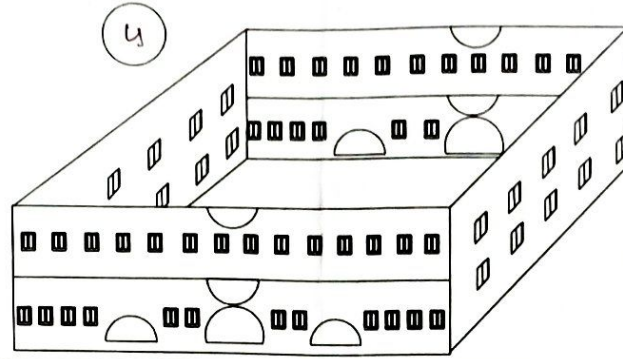
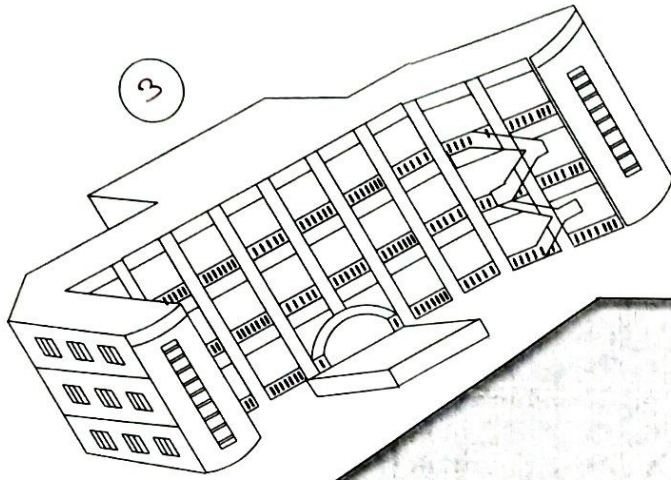
Subject to the Conditions Specified vide this Order  
 No: 979 / Reg. No 11  
 12/4/10  
*[Signature]*  
 Electrical Inspector  
 Govt. of A.P.  
 Visakhapatnam

SUB STATION LAYOUT

PRINCIPAL  
 ST. JOSEPH'S COLLEGE FOR WOMAN  
 VISAKHAPATNAM

LISCENCE HOLDER <i>[Signature]</i> <b>Proprietor</b>	CONSUMER <i>[Signature]</i> <b>PRINCIPAL</b>
PRINCIPAL St. Joseph's College for Women St. Joseph's College for Women VISAKHAPATNAM - 530004 VISAKHAPATNAM	





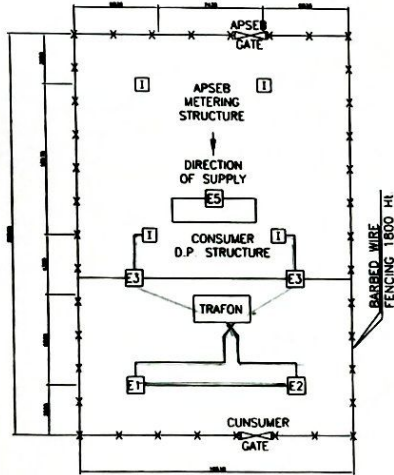
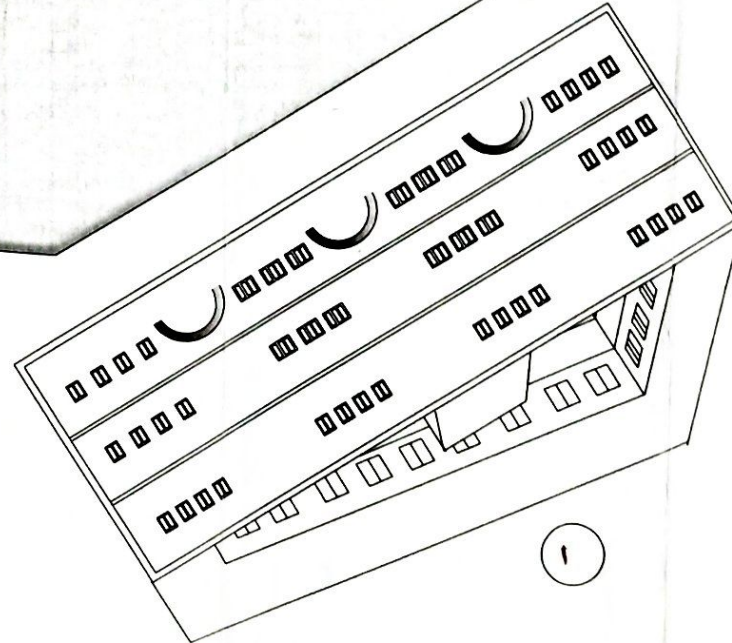
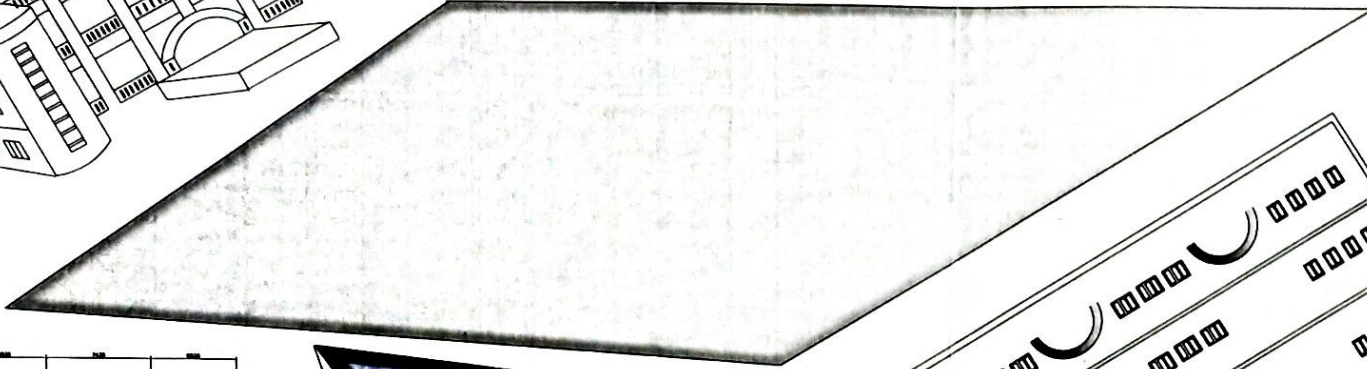
APPROVAL

**APPROVED**

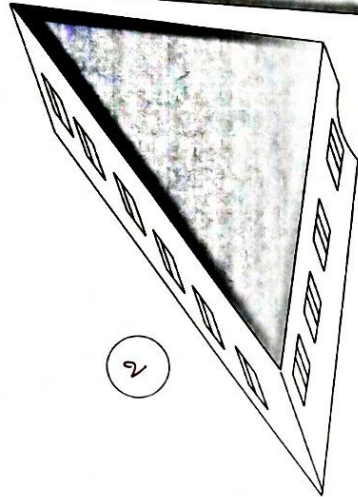
Subject to the Conditions Specified side this Office

Sl. No: 979 (Reg. No // 124/4/10)

*[Signature]*  
 Electrical Inspector  
 Govt. of A.P.  
 Visakhapatnam



SUB STATION PLAN



LISCENCE HOLDER	CONSUMER
For SRI RATNA ELECTRICAL WORKS <i>[Signature]</i> Proprietor	<i>[Signature]</i> PRINCIPAL St. Joseph's College for Women (Autonomous) St. Joseph's College for Women VISAKHAPATNAM - 530004