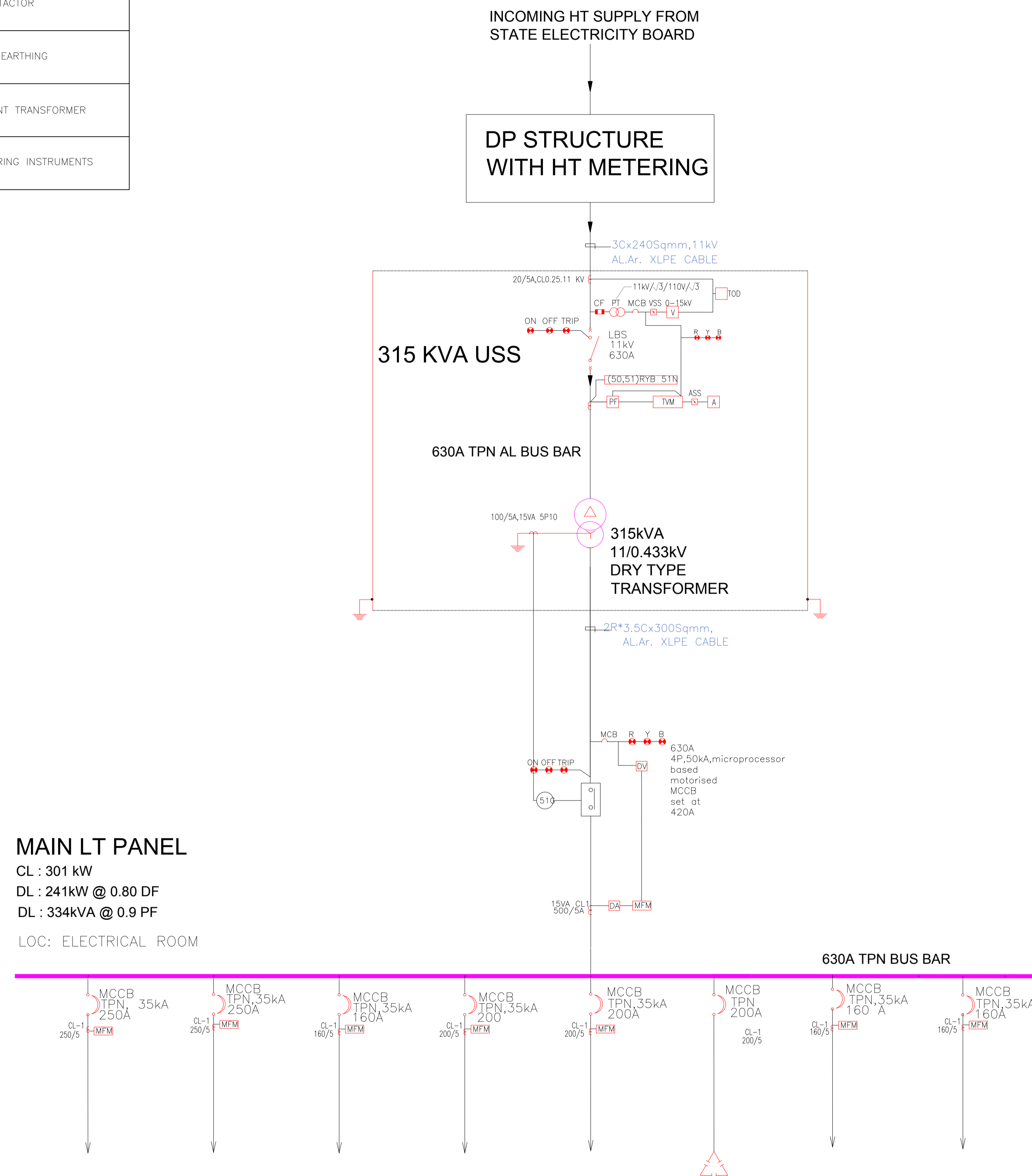


LEGEND :

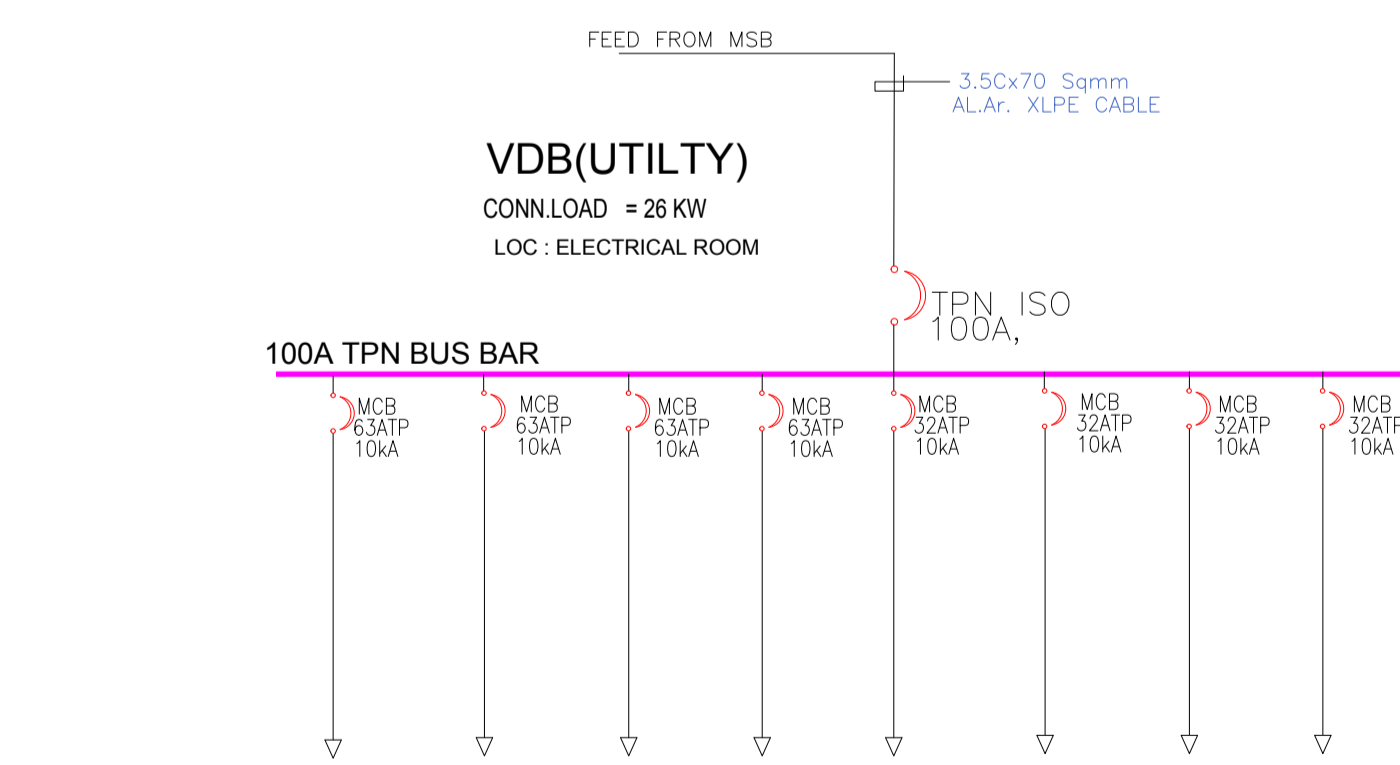
| SL NO. | SYMBOL | DESCRIPTION |
|--------|--------|-----------------------|
| 1 | | CIRCUIT BREAKER |
| 2 | | CONTACTOR |
| 3 | | PANEL EARTHING |
| 4 | | CURRENT TRANSFORMER |
| 5 | | MEASURING INSTRUMENTS |

ABBREVIATION:

| SL NO. | SYMBOL | DESCRIPTION |
|--------|--------|------------------------------|
| 1 | LBS | LOAD BREAK SWITCH |
| 2 | TOD | TIME OF DAY METERING |
| 3 | MCB | MINIATURE CIRCUIT BREAKER |
| 4 | MCCB | MOULDED CASE CIRCUIT BREAKER |
| 5 | MFM | MULTI-FUNCTION METER |
| 6 | DV | DIGITAL VOLTMETER |
| 7 | DA | DIGITAL AMMETER |



MAIN LT PANEL
 CL : 301 kW
 DL : 241kW @ 0.80 DF
 DL : 334kVA @ 0.9 PF
 LOC: ELECTRICAL ROOM



VDB(UTILITY)
 CONN LOAD = 26 KW
 LOC : ELECTRICAL ROOM

| LOCATION | MAIN BLOCK | IT BUILDING(PROPOSED) | SPARE | LADIES HOSTEL | ELECTRICAL ROOM | SPARE | ELECTRICAL ROOM |
|---------------------|-----------------|-----------------------|-------|---------------|-----------------|-------|-----------------|
| DESCRIPTION | MSB (EXISTING) | MSB | | MSB | CAPACITOR PANEL | | VDB (UTILITY) |
| LOAD IN KW | 79.98 | 60 | | 45 | 100KVAR | | 26 |
| F.L CURRENT IN AMPS | 141 | 141 | | 106 | 160 | | 46 |
| CABLE SIZE IN SQMM | 3.5C X 185 | 3.5C X 185 | | 3.5C X 120 | 3.5C X 120 | | 3.5C X 70 |
| EARTHING IN SWG | 25*5 | 25*5 | | 25*5 | 25*5 | | 10 SWG |

| LOCATION | GUEST HOUSE | CANTEEN | STADIUM | SPARE | MUSIC SCHOOL | SPARE | SPARE | SPARE |
|----------------------|---------------|---------------|---------------|-------------|--------------|-------|-------|-------|
| DESCRIPTION | SSB | VDB | VDB | SSB | | | | |
| LOAD IN KW | 8 | 8 | 5 | 5 | | | | |
| F.L CURRENT IN AMPS | 15 | 15 | 9 | 9 | | | | |
| CABLE SIZE IN SQMM | 3.5C *25 SQMM | 3.5C *25 SQMM | 3.5C *25 SQMM | 2C *10 SQMM | | | | |
| EARTHING IN SWG (CU) | 10 | 10 | 10 | 10 | | | | |

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NOTE
 * ALL DIMENSIONS ARE IN MM
 * ALL LEVELS ARE IN M
 * ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

| REVISIONS | | |
|-----------|------|-------------|
| NOS. | DATE | DESCRIPTION |
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| | | |

PROJECT TITLE
 SUBSTATION BLDG,PAYYANNUR

NAME OF CLIENT /OWNER
 KANNUR UNIVERSITY

A & E DESIGN & PMC

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 INFRASTRUCTURE DEVELOPMENT
 DIVISION, REGIONAL OFFICE
 THIRUVANANTHAPURAM-12
 TEL: 0471-2775500
 web : www.hllhites.com

DRAWING TITLE
 ELECTRICAL DRAWING
 SINGLE LINE DIAGRAM

DWG NO:

SCALE : NTS

FOR TENDER PURPOSE ONLY