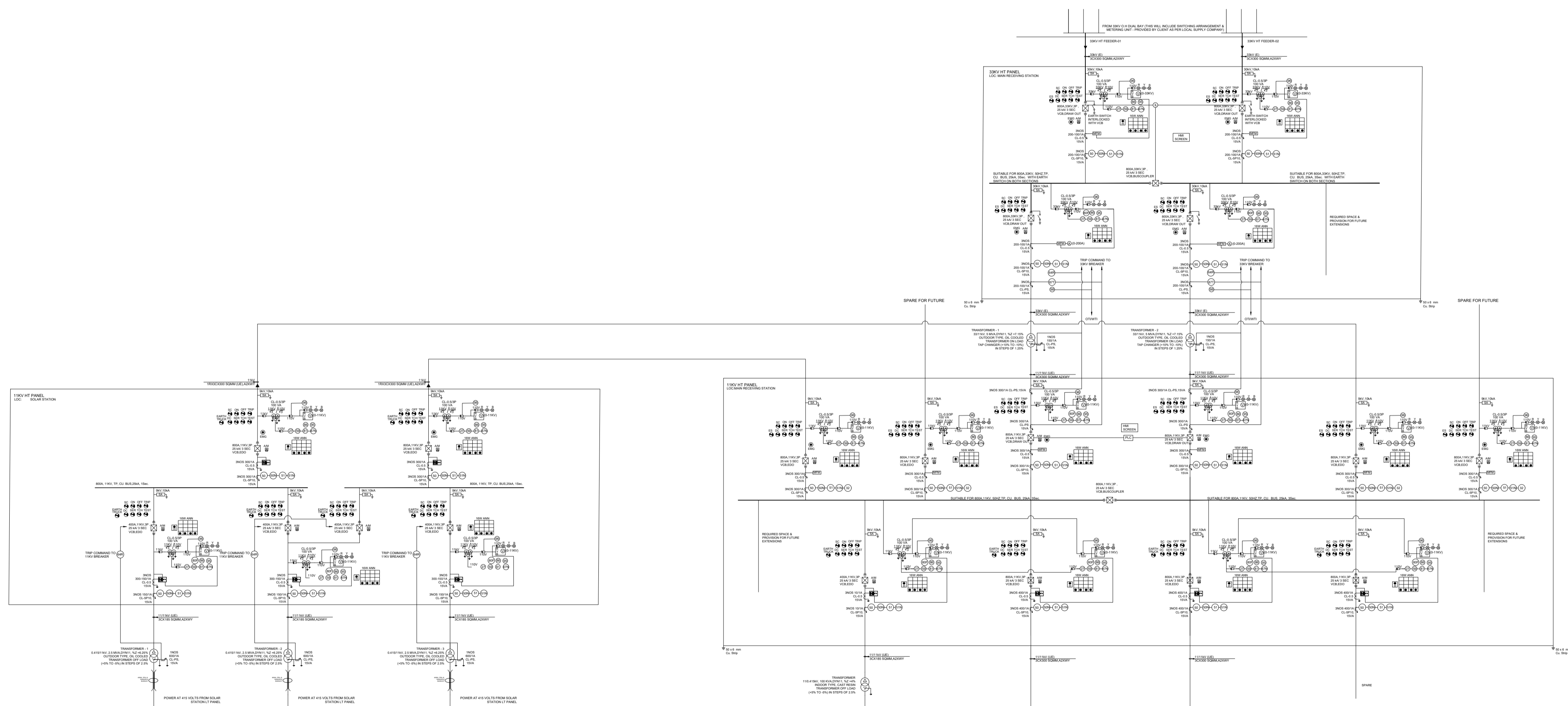


1. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS / ENGINEERS.
2. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELEVANT STRUCTURAL, ARCHITECTURAL AND SERVICES DRAWINGS.
3. TERMINAL COMPARTMENT SHOULD BE PROVIDED TO TERMINATE 25 NOS CABLES OF 3.5C X 400 SQ.MM A2XFY CABLES FOR MLTP OF ACADEMIC SUBSTATION.

| LEGEND | |
|--------|---|
| | TRANSFORMER |
| | VACUUM CIRCUIT BREAKER |
| | EARTH |
| | CURRENT TRANSFORMER |
| | ISOLATOR |
| | INDICATION LAMPS SC - SPRING CHANGED SP - SERVICE POSITION TP - TEST POSITION CSH - CONTROL SUPPLY HEALTHY LTYP - LAMP TEST PUSH BUTTON TCPS - TRIP COIL PUSH BUTTON ETPB - EMERGENCY TRIP PUSH BUTTON |
| | EARTH FAULT RELAY |
| | KILO WATT HOUR METER |
| | MULTI FUNCTION METER |
| | ELECTRICAL MEC. INTERLOCK |
| | MACHINE OR TRANSFORMER THERMAL RELAY |
| | UNDER VOLTAGE RELAY |
| | OVER VOLTAGE RELAY |
| | AC TIME OVER CURRENT RELAY |
| | TIME DELAY GROUND FAULT RELAY |
| | VOLTMETER |
| | VOLTMETER SELECTOR SWITCH |
| | AMMETER SELECTOR SWITCH |
| | AMMETER |
| | FUSE |
| | ANNUNCIATOR |
| | POTENTIAL TRANSFORMER |
| | CURRENT TRANSFORMER |
| | UNDER VOLTAGE RELAY |
| | OVER VOLTAGE RELAY |
| | FREQUENCY RELAY |
| | PHASE SEQUENCE RELAY |
| | LOCKOUT RELAY |
| | TRIVECTOR METER |
| | INSTANTANEOUS OVER CURRENT RELAY |
| | INSTANTANEOUS EARTH FAULT RELAY |
| | AC TIME OVER CURRENT RELAY |
| | EARTH FAULT RELAY |
| | SURGE ARRESTER |
| | FT FUSE FAILURE RELAY |
| | DC FAIL RELAY |
| | NUMERIC RELAY FOR TRANSFORMER OTI AND WTI |
| | RESTRICTED EARTH FAULT RELAY |
| | BUS BAR DIFFERENTIAL PROTECTION RELAY |
| | HOOPER |
| | AUTO / MANUAL SWITCH |



- NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELATED DOCUMENTS FOR THIS PROJECT.
 2. KINDLY REFER SCHEDULE ES 90 FOR FURTHER DETAILS.
 3. ANY DEVIATION IN THIS DRAWING WITH RESPECT TO ANY OTHER RELATED DOCUMENT VIZ. BOQ, SPECIFICATION etc. SHALL BE BROUGHT INTO THE NOTICE OF THE CONSULTANT WELL IN ADVANCE.
 4. NAME PLATES ON EACH PANEL SHALL DENOTE:
4.1 PANEL TAG
4.2 LOAD IN KW
4.3 LOCATION
4.5 VOLTAGE (S.C LEVEL)
 5. EARTHING SHALL BE DONE IN ACCORDANCE WITH IEEE 60-2000.
 6. ALL PANELS SHALL BE COMPATIBLE WITH SCADA.
 7. ADDITIONAL (SPARE) 6 NOS. NO-NC CONTACT TO BE PROVIDED WITH EACH BREAKER.
 8. ALL BREAKERS AND METERS SHALL BE COMMUNICABLE WITH SCADA. ADEQUATE SPARE DIVDO TO BE PROVIDED.
 9. ALL HT & LT PANELS BUSBARS SHALL BE EXTENSIBLE TYPE FOR FUTURE EXPANSION.
 10. All Relays shall be Numerical relay with IEC 61850 communication protocol over RS 485.

FOR TENDER

| No. | Date | Remarks | |
|------------------------|------------------|---------|------------------|
| Revisions | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Date | Prints Issued to | Date | Prints Issued to |
| Distribution of Prints | | | |

- Consultants**
- **Structural Consultants**
VR SHAH Consulting Engineers
 - **Services Consultants**
die MEP Services Consultants
 - **Landscape Consultants**
Earthscaapes Consultancy Pvt Ltd
 - **Road and Pathways Consultants**
Arhmm Infra Consultants LLP

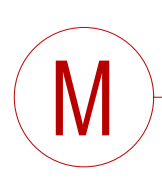
Project
Nalanda University, Rajgir, Bihar

Title
MASTER SINGLE LINE DIAGRAM HIGH SIDE - RELATED TO SOLAR PART PKG 4C

| | |
|------------------|--------------------------|
| Dealt : V | Drawing No. NU-E-MSLD_4C |
| Checked : V | Approved : V |
| Scale : N.T.S | |
| Date : 14.9.2019 | |

VASTU SHILPA CONSULTANTS
Architects | Planners | Urban Designers

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SLD FOR SCOPE CARITY OF PKG 4C - SOLAR