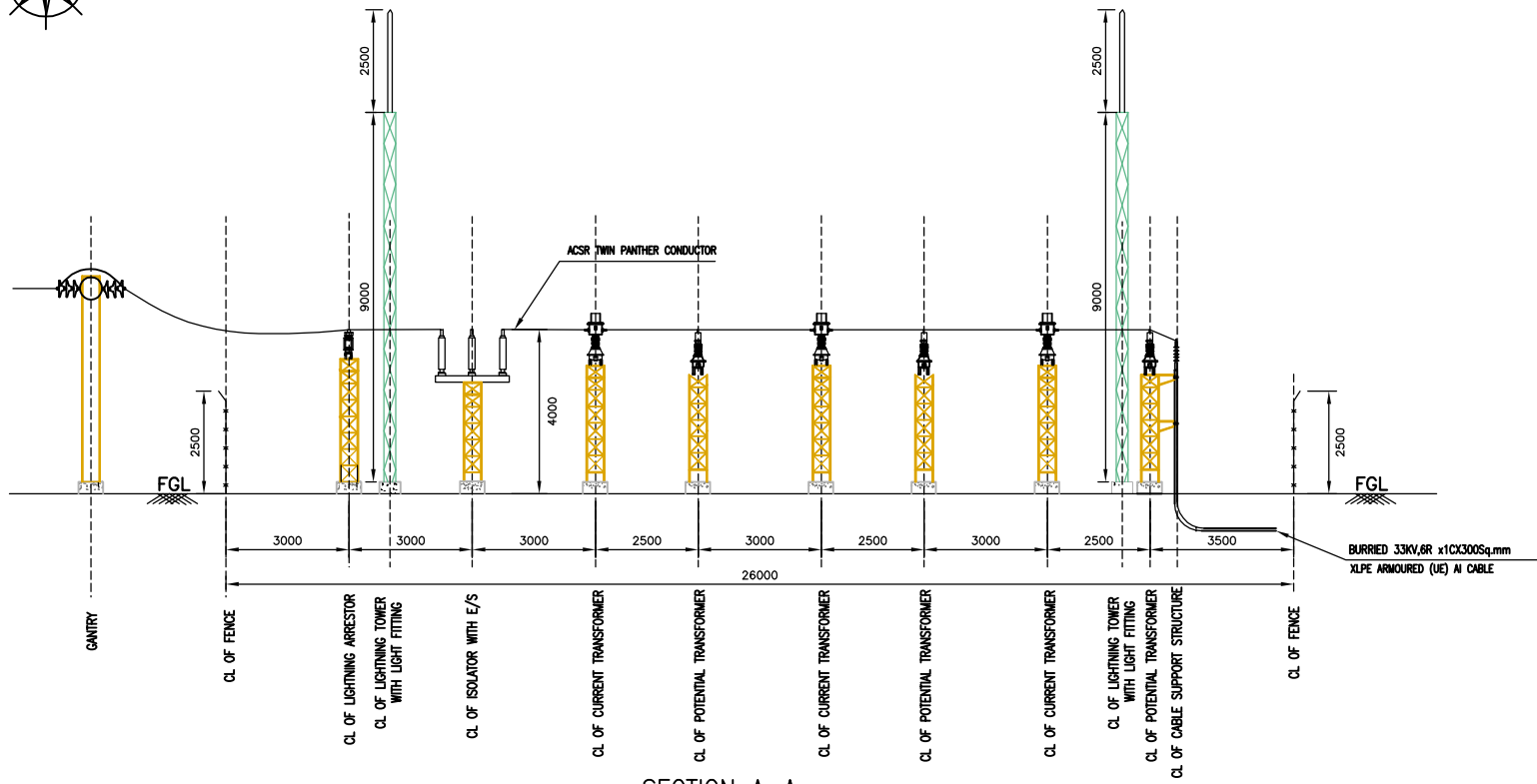
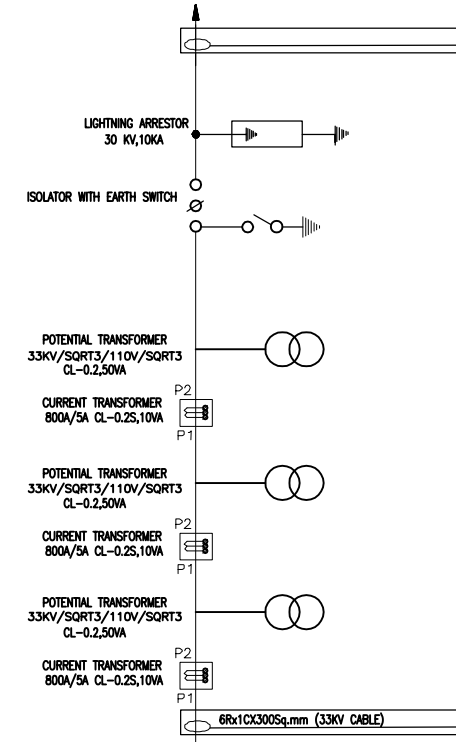


DRG. NO. PY-LE-1-M088-2019-01
SHT. 2 OF 2



SECTION A-A



SINGLE LINE DIAGRAM

NOTES:

- 1 ALL DIMENSION ARE IN MM.
2. EARTHING LAYOUT, LIGHTNING & LIGHTNING PROTECTION LAYOUT SHALL BE SUBMITTED IN SEPARATE DRAWING.
3. FOUNDATION LAYOUT WITH DETAILS OD CIVIL COMPONENTS FOR MAJOR EQUIPMENTS & SRUCTURES, FENCE & GATE DETAILSSHALL BE SUBMITTED IN SEPARATE DRAWING.
4. THE LAYOUT HAS BEEN PREPARED AS PER COMPATIBLE REC STANDARDS.
5. CHAIN LINK FENCE AS PER SPECIFICATION SHALL BE PROVIDED FOR THE ACTUAL AQUIRED AREA AT SITE.
6. GI STRUCTURE FOR LA,CT,PT,ISOLATOR & LIGHTNING TOWER.
7. THIS IS TYPICAL DRAWING, IT WILL BE FINALIZED AFTER VENDOR CONFIRMATION.

SITE PARAMETERS :-

1. DESIGN VOLTAGE LEVEL :-
 - (A) NOMINAL SYSTEM VOLTAGE - 33KV
 - (B) HIGHEST SYSTEM VOLTAGE - 36KV
 - (C) RATED FREQUENCY - 50HZ
 - (D) FULL WAVE IMPULSE WITHSTAND VOLTAGE - 170KV
 - (E) ONE MINUTE POWER FREQUENCY - 70KV
 - (F) MINIMUM CREEPAGE DISTANCE - 25MM/KV
2. MINIMUM CLEARANCE :-
 - (A) PHASE TO PHASE - 320MM
 - (B) PHASE TO EARTH - 320MM
 - (C) GROUND CLEARANCE - 3700MM
 - (D) SAFETY CLEARANCE - 2800MM
3. ADOPTED DISTANCE :-
 - (A) PHASE TO PHASE - 1500MM
 - (B) PHASE TO EARTH - 1300MM
 - (C) DESIGN TEMPRATURE - 50 C
 - (D) VOLTAGE VARIATION - 10%

LEGEND:-

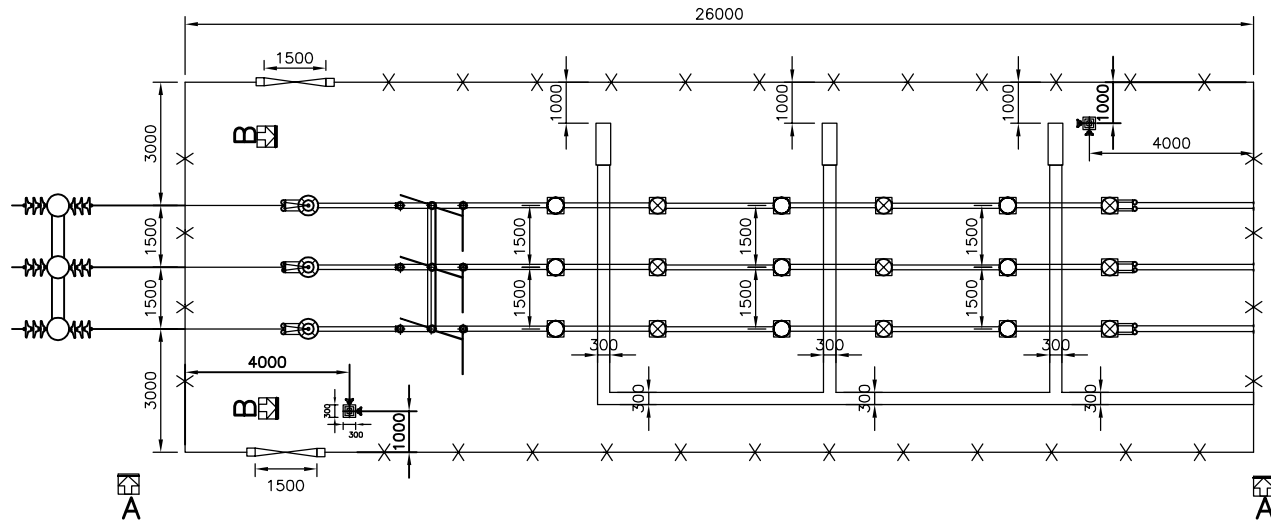
- ⊙ :LIGHTNING ARRESTOR 30KV/10KA,GAPLESS STATION CLASS
- ⊞ :CURRENT TRANSFORMER 400A/5A, CLASS-0.2S,10VA
- ⊞ :CONTROL CABLE TRENCH
- ⊞ :POTENTIAL TRANSFORMER 33KV/SQRT3/110V/SQRT3 CLASS-0.2
- ⊞ :ISOLATOR WITH EARTH SWITCH36KV, 400A
- ⊞ :GATE
- ⊞ :ABT METER

TENDER PURPOSE ONLY

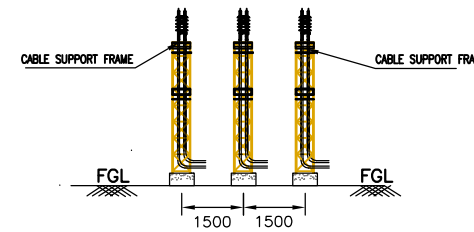
PROJECT :		65MWp SOLAR POWER PLANT				
CUSTOMER :		NEYVELI LIGNITE CORPORATION LTD.				
CONSULTANT :		NEYVELI-TAMILNADU				
BHARAT HEAVY ELECTRICALS LTD. UNIT : PE&SD-HYDERABAD	NAME	SIGN.	DATE	NO.OF VAR.		
	DRN.	S. RASTOGI	16.08.16	N.A.		
	CHD.	P SURESH	16.08.16	N.A.		
APPD.	J K PATTANAK	16.08.16	N.A.			
DEPT. PE&SD	UNTO. DIMS. CR. 9/4/7	SCALE 1:90	WEIGHT (KG) N.A.	REF. TO ASSY. DRG. N.A.	ITEM NO. N.A.	NO.OF ITEMS N.A.
CODE 450						
TITLE		DRAWING NO.		REV.		
33KV METERING YARD LAYOUT		PY-LE-1-M088-2019-01		00		
CARD CODE NA		SHT. No 02		NO. OF SHT. 02		

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GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



33KV METERING YARD (25MW BLOCK)



SECTION B-B

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD
1			2			3			4			5			6		