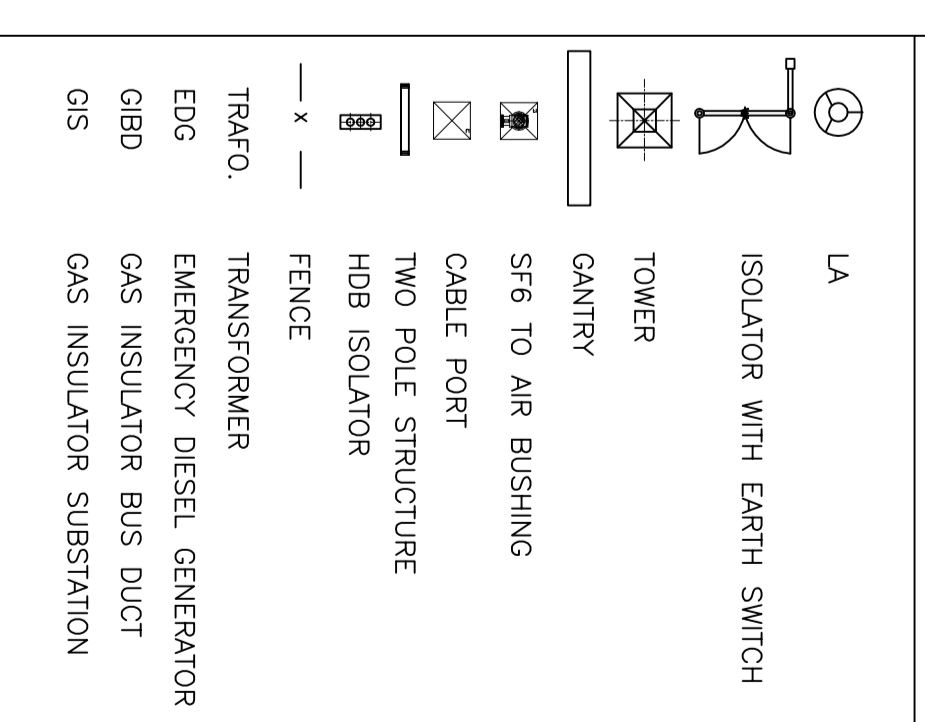


NOTES

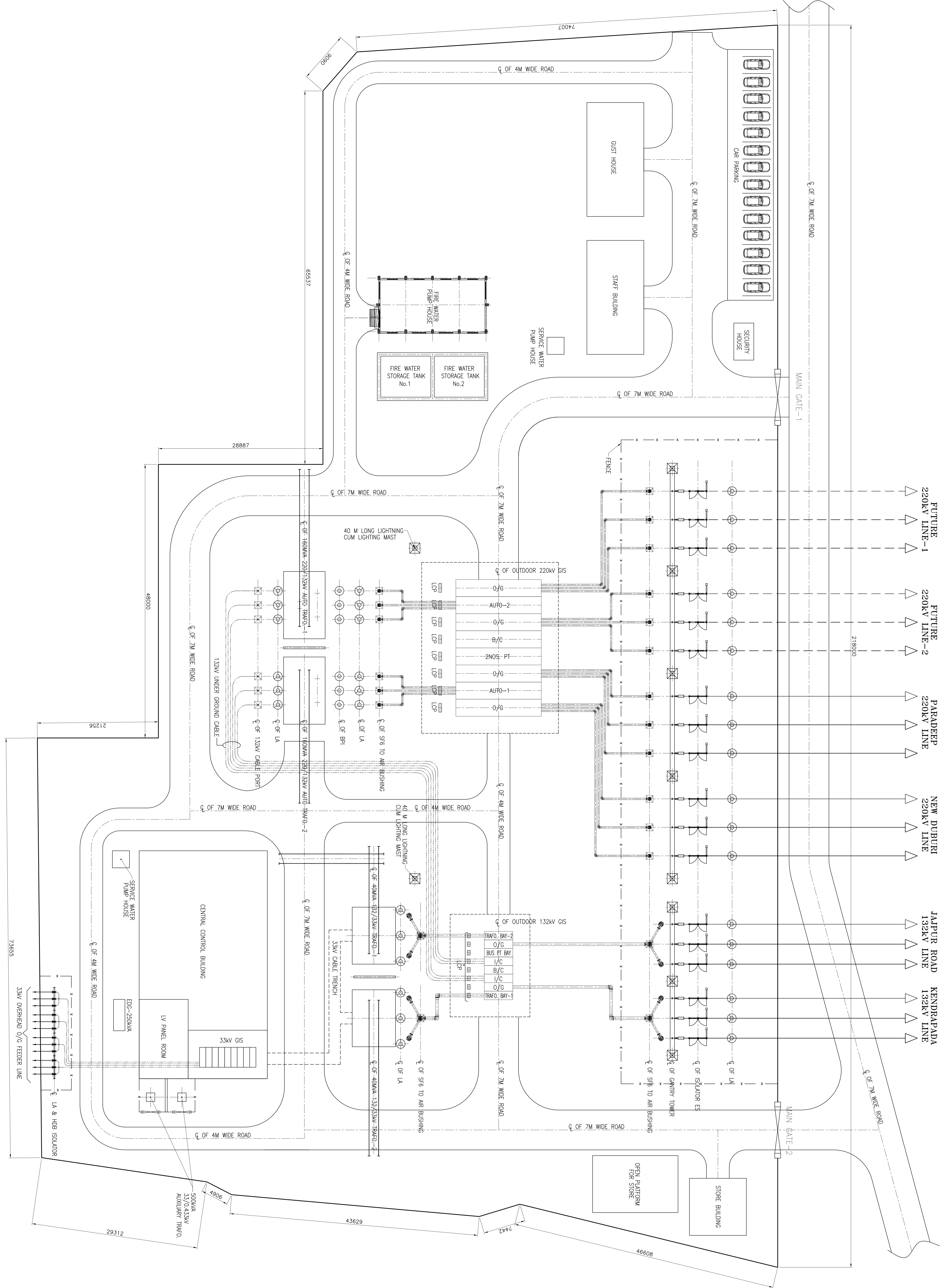
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS.
2. THIS DRAWING IS INDICATING ONLY THE FINAL LAYOUT WILL BE DEVELOPED BY EPC CONTRACTOR.
3. AREA OF THE WHOLE SWITCHYARD & SUBSTATION INCLUDING BOUNDARIES WALL IS = 5.3 ACRES.
4. THIS DRAWING IS ISSUE FOR BIDDING PURPOSES.

LEGENDS AND ABBREVIATION



ELECTRICAL EQUIPMENT LIST

SL. NO.	ITEM DESCRIPTION	QTY.
01	220kV OUTDOOR TYPE GIS	01 NOS.
	a) BUS COUPLER	02 NOS.
	b) BUS PT	04 NOS.
	c) LINE FEEDER	02 NOS.
02	132kV OUTDOOR TYPE GIS	01 NOS.
	a) BUS COUPLER	02 NOS.
	b) BUS PT	02 NOS.
	c) LINE FEEDER	02 NOS.
	d) INCOMER FEEDER	02 NOS.
	e) TRANSFORMER FEEDER	02 NOS.
03	220kV AS STRUCTURE AND EQUIPMENT	05 NOS.
	a) 220kV TOWER	04 NOS.
	b) 220kV GANTRY	18 NOS.
	c) 220kV LA WITH STRUCTURE	12 NOS.
	d) 220kV OS + ES WITH STRUCTURE	18 NOS.
	e) 220kV S/F6 TO AIR BUSHING WITH STRUCTURE	06 NOS.
04	132kV AS STRUCTURE AND EQUIPMENT	03 NOS.
	a) 132kV TOWER	18 NOS.
	b) 132kV GANTRY	06 NOS.
	c) 132kV LA WITH STRUCTURE	04 NOS.
	d) 132kV OS + ES WITH STRUCTURE	06 NOS.
	e) 132kV S/F6 TO AIR BUSHING WITH STRUCTURE	08 NOS.
05	33kV DP STRUCTURE AND EQUIPMENT	05 NOS.
	a) 33kV DP STRUCTURE	12 NOS.
	b) 33kV LA MOUNTING ON DP STRUCTURE	12 NOS.
	c) 33kV AS SWITCH MOUNTING ON DP STRUCTURE	04 NOS.
	d) 33kV OUTDOOR CABLE TERMINATION	02 NOS.
06	220/132kV, 3Ph, 160MVA AUTO TRANSFORMER	02 NOS.
07	132/132kV, 3Ph, 40MVA POWER TRANSFORMER	02 NOS.
08	33/0.433kV, 3Ph, 500kVA AUXILIARY TRANSFORMER	02 NOS.
09	33kV LA WITH TANK MOUNTED FOR 500kVA AUXILIARY TRANSFORMER	02 NOS.
10	EDG - 250kVA	01 SET.
11	33kV INDOOR SWGR	01 SET.
12	40 M LONG LIGHTNING CUM LIGHTING MAST	02 NOS.



FOR BIDDING PURPOSE ONLY

Project: **ID-245 ODISHA TRANSMISSION SYSTEM IMPROVEMENT PROJECT**
 PACKAGE-3A

Drawn by	Name	Sheet	NO.
Designed by	GENERAL LAYOUT (PLAN) 220/132kV OUTDOOR GIS & 33kV INDOOR SUBSTATION AT KULAKHIA	01	1
Checked by			
Approved by			

Scale: 1 : 250
 Date: 02.07.2019