

BESS

400kV Maheshwaram SS

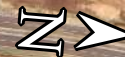
Legend

- 220kV Bays
- 220kV Line of 1km
- 400 KV SUBSTATION
- Land for BESS

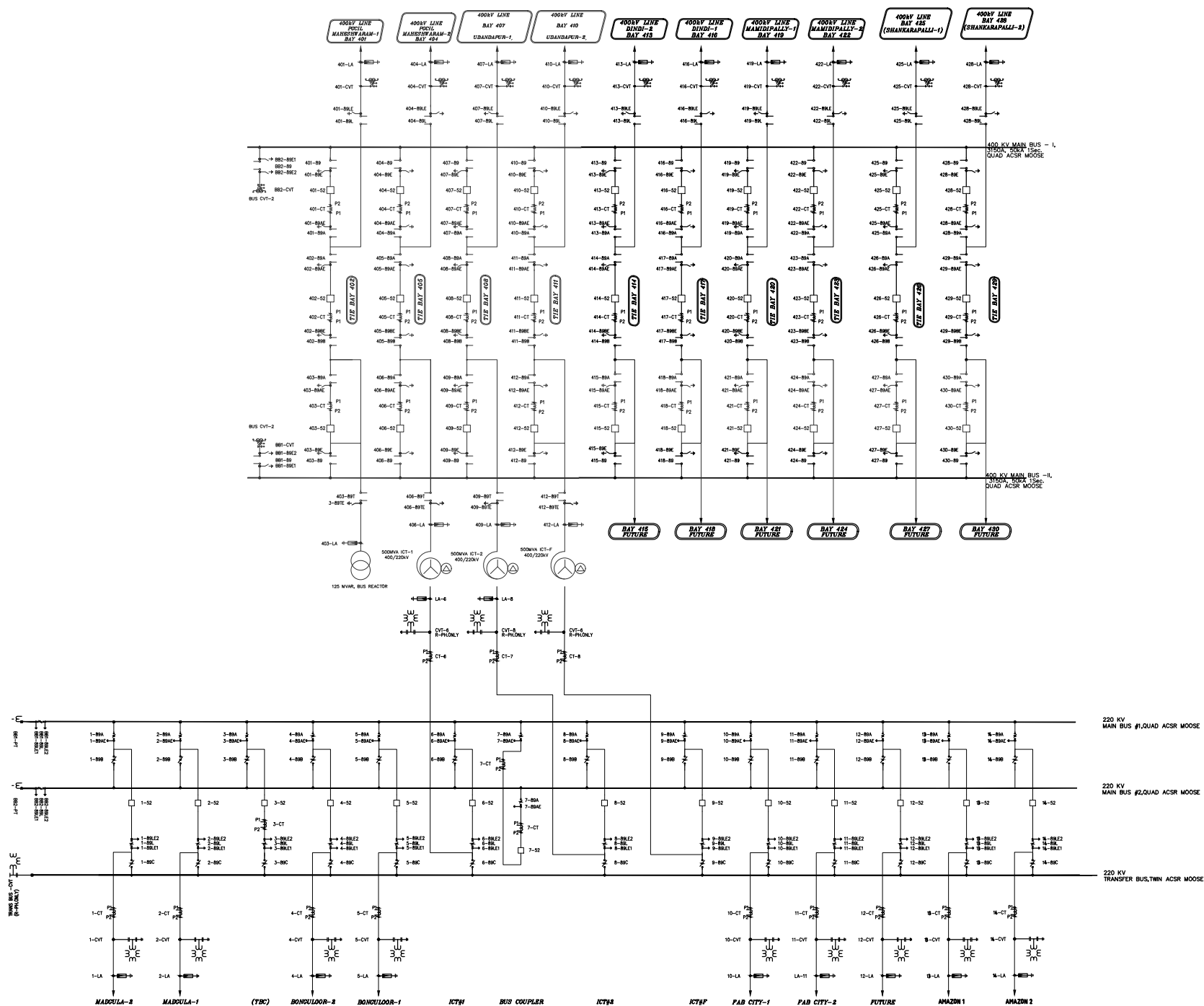
400 KV SUBSTATION

Google Earth

Image © 2025 Airbus



300 m



Site Survey Format		
Location No.	1	
S No	Name of GSS (Lat. & Long.)	17° 3'8.59"N 78°31'47.83"E
1	Voltage Level (Voltage Level-GIS/AIS) (Attached SLD)	400/220KV Maheshwaram(TGTRANSCO) SS
2	No. of Bays to be Utilized	2nos. 220KV Byas
3	BESS Capacity as specified in tender document	750MWH
4	Space for Spare Bays (in existing Substation)	sq m (Length X Breadth) 8100 sq.mtr (90m X 90m)
5	Land Types (for BESS) (Sandy/WBC/etc)	Fisheried rock with boulders
6	Land Plot Dimension	sq m (Length X Breadth) Plot dimensions are mapped in the google earth and attached for reference.
7	Area (Length X Breadth)	Approximately 20 Acres.
8	Tr Line Length Reqmt	km (Length X Breadth) Less than 1KM only. Line length shall be finalised based on the location identified for installation of transformer and formation of 220KV bus at BESS.
9	Nos. of Crossings for Tr. Line	0(Transmission line with in the boundary)
10	Land Levelling (Slope/Undulation)	Undulation & Boulders are also present in the site.
11	Level of land with respect to nearest road (to assess timing requirement)	Lot of Undulations are present at site.
12	Tree/Plant/Orchad on land	Trees and boulders are present in the land.
13	Political & Local issues / RoW issues	NIL(As discussed with TG TRANSCO Officials)
14	Vulnerability effect from Locals	NIL(As discussed with TG TRANSCO Officials)
15	Soil Type (Attached Soil Investigation Report if available)	M/s TGTRANSCO confirmed that will be uploaded in the portal along with bidding documents.
16	Distance from NH/SH (Km)	Just beside the ORR of Hyderabad.
17	Tentative Length of Approach road to be prepared (kM)	0.25-0.4KM Approximately(Based on the BESS layout)
18	Encumbrance within Boundary (Demarcation with fence/boundary)	Existing yard area is having the fence. Entire land of the the substation(including BESS land) is having the boundary wall.
19	Water Availability	Available
20	Neighbour Property Details	Private land owners
21	ROW issues expected	NO ROW issues if line constructed with in the boundary.
22	Length of nearest 33 kV or 11 kV substaion for auxiliary power	From Kandukuru S/S-10-12km From Mirkanipeta S/S-10-12km
23	Tentative expenditure for laying of 33 kV feeder as per utility practices (Rs. Cr.)	
24	Drain Outfall Point	Marked in the layout
25	Approach road Obstacles/Culverts etc.	NIL
26	Ownership of Land (Utility/Govt. Dept etc.)	M/s TGTRANSCO
27	Present Conditions of land (Attached latest Images)	Images are attached
28	POWERGRID Nearest Sub-station (Name, RTM/TBCB, Manpower, Voltage level etc.)	This location is just opposite to 765/400KV Maheshwaram GIS