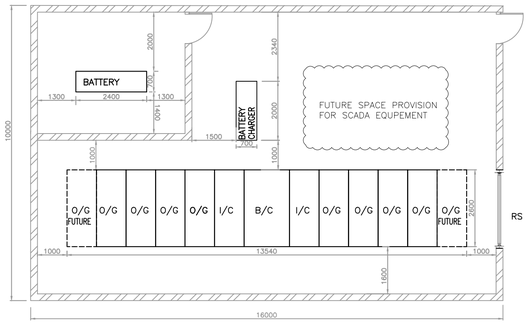
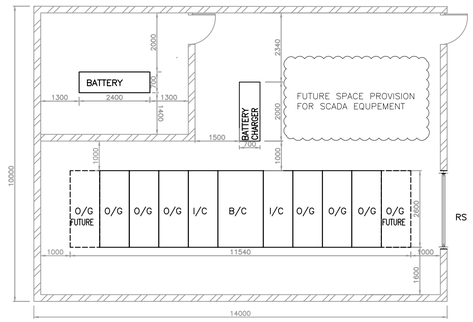
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TITLE: TYPICAL GA OF 22kV SWITCHING STATIONS 1,2,3,4,5,6 AT MLCP

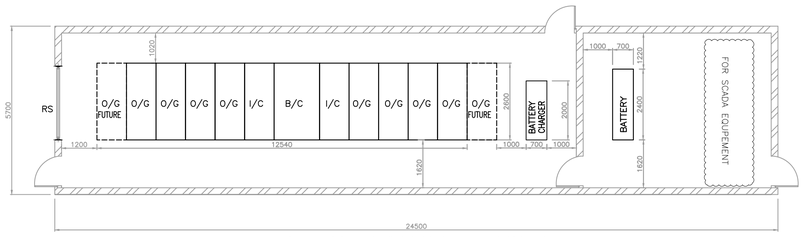
DWG NO TCE.6514A-EL-SK-2001



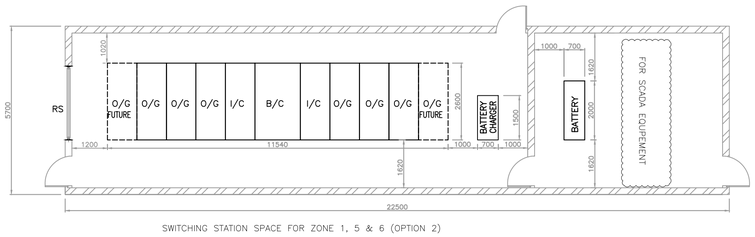
SWITCHING STATION SPACE FOR ZONE 2,3 & 4 (OPTION 1)



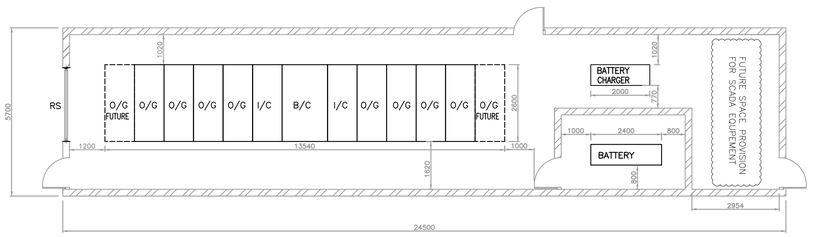
SWITCHING STATION SPACE FOR ZONE 1, 5 & 6 (OPTION 1)



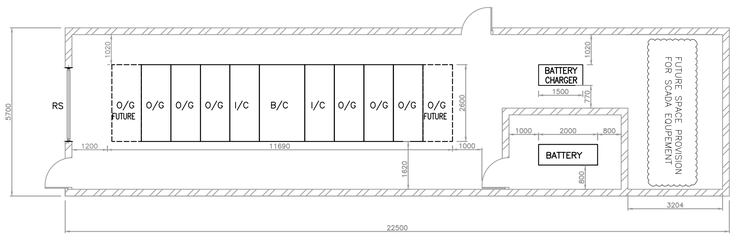
SWITCHING STATION SPACE FOR ZONE 2,3 & 4 (OPTION 2)



SWITCHING STATION SPACE FOR ZONE 1, 5 & 6 (OPTION 2)



SWITCHING STATION SPACE FOR ZONE 2,3 & 4 (OPTION 3)



SWITCHING STATION SPACE FOR ZONE 1, 5 & 6 (OPTION 3)

LEGENDS:

RS – ROLLING SHUTTER

I/C – INCOMER FEEDER

O/G – OUTGOING FEEDER

NOTES:

1. ALL DIMENSIONS ARE IN MM.
2. THE CABLE ENTRY TO ALL THE PANELS SHALL BE FROM BOTTOM.
3. THE PLINTH LEVEL OF THE SUBSTATION BUILDING CAN BE APPROXIMATELY TAKEN AS +0.450M ABOVE THE FRL OF NEAREST BUILDING/STRUCTURE.
4. THE SIZE OF THE PANELS ARE INDICATIVE. THE PANEL VENDOR SHALL SUBMIT SHOP DWG TO THE CONSULTANT FOR HIS APPROVAL.
6. ALL PIPE SLEEVES SHALL BE SEALED WITH FIRE SEALANT & WATER PROOF FOR ENTERING CABLES INSIDE SWITCHING STATION.
7. ALL DOORS AND ROLLER SHUTTERS SHALL BE FIRE RATED FOR 2 HRS.
8. THE EARTHING CONDUCTORS SHALL BE REROUTED IN CASE IT FOULS WITH EQUIPMENT FOUNDATIONS
9. THE LIGHTNING DOWN COMERS SHALL BE GS CONDUCTOR & TEST LINK SHALL BE OF GI.
10. THE CEILING HEIGHT OF SWITCHING STATION ROOM SHALL BE WORKED OUT CONSIDERING MINIMUM CLEAR HEIGHT AS 4000MM FROM FFL.
11. IN FRONT OF ROLLER SHUTTERS OF H.T ROOM PROVIDE 1500MM WIDE PLATFORM, PROVIDE SLOPE FROM THE TOP OF PLATFORM TOWARDS ROAD SIDE FOR MOVING THE PANEL MODULES INTO ROOM.
12. THE WINDOWS SHALL BE WITH METALLIC FRAME AND FIRE RATED FOR 2HRS OR LOUVRE'S WITH FIRE RATED WIRE MESH.
13. THE BATTERY,BATTERY CHARGER AND H.T PANEL ROOM SHALL BE PROVIDED WITH EXHAUST FANS FOR VENTILATION
14. OUT OF THREE OPTIONS GIVEN FOR TWO DIFFERENT TYPES OF SWITCHING STATIONS ANY ONE CAN BE ADOPTED BASED ON THE SPACE AVAILABILITY AT MLCP CONSIDERING OTHER SERVICES LIKE STP ETC.

FOR RO ISSUE ONLY			ISSUE	REVISIONS	DRN	CLEARED					APPD	DATE	ISSUE	REVISIONS	DRN	CLEARED					APPD	DATE
	CLEARED					CHEM	CIVIL	ELEC	I&C	MECH						CHEM	CIVIL	ELEC	I&C	MECH		
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I&C																						
MECH																						

FILE NAME: F041R4.DWG

FILE NAME : 6514A-2001

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DO NOT SCALE | FOR PLANNING PURPOSE ONLY

PLANNING & DETAIL ENGINEERING
OF INFRASTRUCTURE FOR 590 ACRE LAND OF PALAVA

TYPICAL GA OF 22kV SWITCHING STATIONS 1,2,3,4,5,6 AT MLCP

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE: NTS	APPROVED	DATE (RO ISSUE)
OFFICE-DISC: DV-EL	PROJECT MANAGER	DATE (CURRENT ISSUE) 27-05-2013
DRN: ASHWINI		
CHD:	DWG NO TCE.6514A-EL-SK-2001	ISSUE PO

SIZE-A1

TCE FORM NO. 041 R4

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