



LEGEND :-

- ⑤1 IDMT PHASE OVER CURRENT RELAY
- ⑤0 INSTANTANEOUS PHASE OVER CURRENT RELAY
- ⑤1N IDMT EARTH RELAY
- ⑤0N INSTANTANEOUS EARTH RELAY
- ⑤7 TRANSFORMER DIFFERENTIAL RELAY
- ⌋- CAPACITIVE VOLTAGE INDICATOR
- TP TEST PLUG
- ①64 RESTRICTED EARTH FAULT RELAY (33 KV SIDE OF TRANSFORMER)
- ⑤0 OVER VOLTAGE PROTECTION
- ②7 UNDER VOLTAGE PROTECTION
- ⑤0NUN NEUTRAL UNBALANCE PROTECTION
- A AMMETER
- V VOLT METER
- W ENERGY METER
- ABT ABT METER

NOTES:-

- ALL CB'S, DISCONNECTOR AND EARTHING SWITCHES SHALL BE MOTOR OPERATED.
- EACH FEEDER SHALL HAVE BAY CONTROLLER CUM PROTECTION IEDs AS PER TECHNICAL SPECIFICATION
- BAY IEDs SHALL BE SUITABLE FOR AUXILIARY SUPPLY OF 220 V DC.
- REVERSE BLOCKING SCHEME TO BE PROVIDED.
- COMMUNICATION PROTOCOL OF BAY IEDs SHALL BE IEC 61850. IT SHALL HAVE 2 NOS. OF FO PORT FOR SCADA COMMUNICATION
- 33KV BAY IEDs SHALL BE INTERFACED WITH EXISTING ABB MAKE SAS FOR CONTROL AND MONITORING.
- 33KV BAY IEDs SHALL BE CONNECTED TO THE ETHERNET BUS PROVIDED BY SAS VENDOR . BIDDER SHALL CONSIDER FO PATCHCORDS FORM IEDs TO ETHERNET SWITCHES PROVIDED BY SAS VENDOR. THESE SWITCHES WILL BE LOCATED NEAR 33KV SWITCHGEAR
- DIFFERENTIAL RELAY 87 AND REF RELAY 164 SHOWN ON INCOMER PANEL SHALL BE PART OF 220KV PROTECTION SCHEME AND NOT UNDER SCOPE OF THIS PACKAGE
- 1 kWh METER & 2 NOS. ABT METER TO BE SUPPLIED FOR ALL FEEDERS EXCEPT BUS COUPLER & CAPACITORS
- PT PRIMARY SHALL BE PROVIDED WITH DISCONNECTOR AND EARTHING FACILITY.
- TRANSFORMER DIFFERENTIAL RELAY SHALL ALSO BE SUITABLE FOR LV SIDE REF & SEF PROTECTION.
- CAPACITIVE VOLTAGE DETECTION FOR CABLE TO BE PROVIDED AT FRONT & REAR SIDE OF PANEL
- SWITCHGEAR SHALL BE EXTENDABLE AT BOTH ENDS
- DUMMY PLUG SUITABLE TO WITHSTAND RATED VOLTAGE SHALL BE SUPPLIED FOR ALL CABLE SOCKET, PT SOCKETS & TEST SOCKET
- LOCATION OF BOARD TO BE INSTALLED IS AT FIRST FLOOR

REV	BY	APPD	DESCRIPTION	DA	MO	YR
R1						010619
APPROVED	AW		DRAWN	AVP		01 06 19
DATE	01/06/2019		CHECK	VDV		01 06 19
SCALE			DESIGN	VDV		01 06 19
A3	TD-SLD-600-VERSOVA-1-R1		DES. CHK. AW			01 06 19
<p style="text-align: center;">adani Electricity</p>						
<p>PROJECT: 33kv AIS TO GIS CONVERSION AT AAREY, VERSOVA & GHODBUNDER</p>						
<p>TITLE: SLD OF 33KV GIS BOARD-7 AT 220KV VERSOVA EHV S/S</p>						
<p>DWG. TD-SLD-600-VERSOVA-1-R1 REV R1</p>						