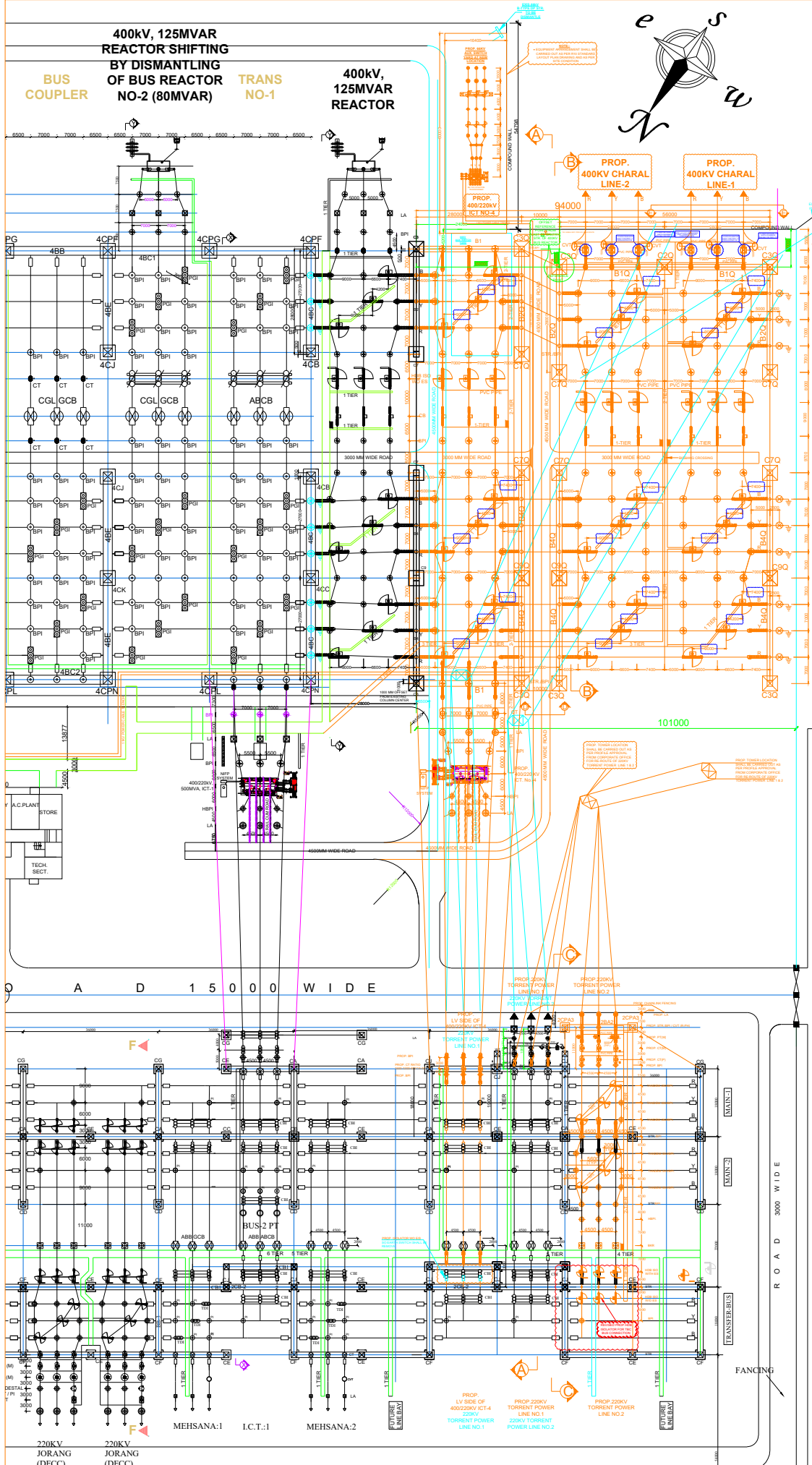




	400V LA
	400V CURRENT TRANSFORMER
	PANTO GRAPH ISO/W/O ES
	PANTO GRAPH ISOLATOR WITH ES
	CB ISOLATOR WITH ONE E/S
	400V CIRCUIT BREAKER
	400V CVT
	400V WAVE TRAP
	400V BUS STOP INSULATOR
	400V 1ph. EARTH SWITCH
TRANSFORMER	
	REACTOR
	NGR
	220KV & 69KV LA
	220KV CVT
	220KV WT
	220 KV CT
	220 KV CIRCUIT BREAKER
	220KV TDB ISO W/O E/S
	220KV HDB ISO WITH E/S
	220KV HDB ISO W/O E/S
	220KV PT
	220KV PI

File No: GETCO/DRA/e- file/447/2026/16688/Tech nical	
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GETCO	ENGG. CELL
DRAWING APPROVAL	
☒	Cat-1 Approved <u>N.M. Singh</u>
☐	Cat-2 Approved with comments _____
☐	Cat-3 Approved for information _____
☐	Cat-4 Not Approved _____

The above approval in general does not absolve you from contractual obligations.

GETCO

☐ Released for Manufacturer

☒ Released for Construction

☐ Released for Information

PART LAYOUT PLAN FOR 2 Nos. 400KV CHARAL LINE 1 & 2 BAYS ,
400/220KV ICT -4 BAY (HV SIDE) & LV SIDE AT EXL. 220KV TORRENT-1 ,
EXL. 220KV TORRENT-1 BAY IS TO BE SHIFTED AT EXL. 220KV TORRENT-2 BAY,
EXL. 220KV TORRENT-2 BAY IS TO BE SHIFTED AT NEW PROP. LINE BAY

- SPECIAL NOTES:-**
1. SWITCHYARD ROAD SHALL BE CARRIED OUT AS PER SITE CONDITION
 2. CONTROL CABLE TRENCH SHALL BE CARRIED OUT AS PER SITE CONDITION.
 3. RE-ROUTING 220KV TOWER LOCATION SHALL BE CARRIED OUT AS PER SITE CONDITION FOR RE-ROUTE OF 220KV TORRENT POWER LINE 1 & 2 AS PER SURVEY REPORT.
 4. ALL THREE BUS EXISTING 400KV BUS EARTH SWITCH SHALL BE UTILIZED AND SHIFTED AT NEW LOCATION, SO ONLY DROPPER WORKS CONSIDER UNDER EPC SCOPE. EARTH SWITCH SHIFTS WORK SHALL BE CARRIED OUT BY FIELD OFFICE.
 5. ALL METEERING CT'S & PT'S, METER CONNECTION CT'S, CVT AND ABT METER ARE TO BE DISMANTLE, AT EXISTING 220KV TORRENT LINE No. 1 AND TO BE SHIFTING AT NEW PROPOSED 220KV GNAGAR (TFL) - 2 FEEDER BAY, LOOKING TO CONSUMER FEEDER BAY, AND REQUIRED ACCOMMODATION OF PROP. LV SIDE OF 400/220KV ICT-4 BAY.
 6. EXISTING 66/11KV SWITCHYARD SHALL BE DISMANTLE AND SHIFTED AT NEW LOCATION BY FIELD OFFICE.
 7. ALL THE ABOVE WORKS TO BE COMPLETED IN PHASED MANNER WITH PROPER CARE AND ENSURING ALL SAFETY ASPECTS.
 8. TO MAINTAIN B-PHASE LA CLEARANCE FROM PROP. STR. AT 220KV

			1) TO CHANGES DIMENSION AT 40KV+ TANDAM ISOLATOR LA AND CVT LOCATION FOR 40KV+ CHARAL LINE & 6 LANE BAYS
17.07.26	R-11(A)		2) TO CHANGES DIMENSION AT 40KV+ TANDAM ISOLATOR AT PROP. 400V/220KV IC-T4 BAY.
			NOW R-11 REVISION TOTAL OFSE ARE EARLIER R-10 REVISION SCOPES & TO ADDITION OF 2 NOS. 22KV LINERS FOR LOLO OF 220 KV JAMLA-GANDHINAGAR-1, SO TOTAL R-11 REVISION OFSE AS UNDER
			1) PROP. 2 NOS. 40KV CHARAL LINE 1 & 2 BAYS ARE ADDED UNDER GEC PASELI WITH BUS EXTENSION & ACCOMMODATION BY DISMANTLING OF EXISTING 22KV TOWER & REROUTING OF NEW 22KV TOWERS AS PER PROPOSED WORKS AS FOLLOWS PROPOSED SCHEMATIC DIAGRAM FOR 40KV+ TANDAM ISOLATOR POWER LINE NO.1 & 2
			2) PROP. EHV AUGMENTATION OF NEW 4TH /40/220KV, 500MVA ICT BAY IS ADDED JOINING TO EXISTING 40KV+ REACTOR BAY AND LV SIDE (22KV) SIDE BAY IS ACCOMMODATION BY SHIFTING OF EXISTING EXISTING 22KV TORRENT POWER LINE -1 AND NECESSARY MODIFICATION REQUIRED STRENGTHENING BY TWIN 3X9 COND AT JUMPERS, DROPPERS & FLYOVER BUS
21.06.28	R11		3) EXISTING 22KV TORRENT POWER LINE -1 IS BE TO BE SHIFED AT ADJACENT BAY OF EXISTING 22KV TORRENT POWER LINE -2 LOCATION & EXISTING 22KV TORRENT POWER LINE -2 LOCATION IS TO BE SHIFT AT PROP+NEW 22KV BAY IN EXISTING 22KV BAY ARRANGEMENT & TO BE UPLIFTED EXISTING DISMANTLE EQUIPMENTS OF CT(PTOTECTION), CT (METERING), PT (METERING), CVT, LA FROM 20KV TORRENT LINE -1 LOCATION.
			4) EXISTING 66K1 ALVADURY SWITCH FORMER BAY, 40KV+BUS EARTH SWITCH SHALL BE DISMANTLE & SHIFED AT NEW LOCATION AND TO DISMANTLE EXISTING 22KV TOWER FOR PROPOSED SCOPES OF WORK AS FOLLOWS 5) PROP. 2 NOS 22KV LINE BAYS ARE ADDED AT OPEN SPACE AVAILABLE IN EXISTING 22KV BAY ARRANGEMENT IN BETWEEN BAY OF LV OF 400/220KV IC-T3 & 22KV JAMILA LINE -2 FOR LOLO OF 220KV JAMLA-GANDHINAGAR-1
			1) PROP. 2 NOS. 40KV CHARAL LINE 1 & 2 BAYS ARE ADDED UNDER GEC PASELI WITH BUS EXTENSION & ACCOMMODATION BY DISMANTLING OF EXISTING 22KV TOWER & RE-ROUTING OF NEW 22KV TOWERS AS PER PROPOSED WORKS AS FOLLOWS PROPOSED SCHEMATIC DIAGRAM FOR 40KV+ TANDAM ISOLATOR POWER LINE NO.1 & 2
			2) PROP. EHV AUGMENTATION OF NEW 4TH /40/220KV, 500MVA ICT BAY IS ADDED JOINING TO EXISTING 40KV+ REACTOR BAY AND LV SIDE (22KV) SIDE BAY IS ACCOMMODATION BY SHIFTING OF EXISTING EXISTING 22KV TORRENT POWER LINE -1 AND NECESSARY MODIFICATION REQUIRED STRENGTHENING BY TWIN 3X9 COND AT JUMPERS, DROPPERS & FLYOVER BUS
10.10.25	R10		3) EXISTING 22KV TORRENT POWER LINE -1 IS BE TO BE SHIFED AT ADJACENT BAY OF EXISTING 22KV TORRENT POWER LINE -2 LOCATION & EXISTING 22KV TORRENT POWER LINE -2 LOCATION IS TO BE SHIFT AT PROP+NEW 22KV BAY IN EXISTING 22KV BAY ARRANGEMENT & TO BE UPLIFTED EXISTING DISMANTLE EQUIPMENTS OF CT(PTOTECTION), CT (METERING), PT (METERING), CVT, LA FROM 20KV TORRENT LINE -1 LOCATION.
			4) EXISTING 66K1 ALVADURY SWITCH FORMER BAY, 40KV+BUS EARTH SWITCH SHALL BE DISMANTLE & SHIFED AT NEW LOCATION AND TO DISMANTLE EXISTING 22KV TOWER FOR PROPOSED SCOPES OF WORK AS PER FIELD OFFICE INPUT
23.03.22	R9		PROP. METERING CT & PT ADDED AT 220KV GANDHINAGAR LINE NO.1 & 2 BAYS.
			FOLLOWINGS CHANGED IN 40KV+ 125MVAR REACTOR BAY
15.06.19	R8		1) REPLACEMENT OF 40KV+ PANTOGRAPH ISOLATOR IN PLACE OF 40KV+ HDB TANDAM ISOLATOR
			2) REPLACEMENT OF 40KV+ HOCH INSULATOR WITH 40KV+ HDB ISOLATOR WITH ES.
25.02.19	R7		3) REARRANGEMENT OF 1 TIE CABLE TRENCH.
			REARRANGEMENT OF 40KV+ TANDAM ISOLATOR OF 40KV+, 125MVAR REACTOR BAY AND ITS BELONGING 1 TIE CABLE TRENCH.
05.11.18			1) REPLACEMENT OF EXISTING 400V/220KV, 3X161MVA IC-T4 BY 500MVA, 3Φ SINGLE UNIT.
& 28.03.18			2) 40KV+/125MVAR REACTOR-2 BAY PROPOSED
			3) REPLACEMENT OF 22KV BREAKER OF 22KV+SCOUPLER BAY
28.03.18			REPLACEMENT OF 2 NOS. OF 22KV CIRCUIT BREAKER UNDER RAM PLAN 2017-18.
DATE	REV		DESCRIPTION

LEGEND:-

- PROP.- R11 & R-11(A)
- TO BE DISMANTLED
- EXISTING WORK

		EXECUTION PURPOSE
GUJARAT ENERGY TRANSMISSION CORPN.LTD. S.P.VIDYUT BHAVAN, RACE COURSE, VADODARA - 390 007		

**PART LAYOUT PLAN OF
400KV SOJA SUB-STATION**

<u>DRAWN:</u>	<u>CHECKED:</u>	<u>APPD:</u>		
DE (ENGG.)	EE (CIVIL)	EE (ENGG.)		<u>SIZE:</u> A0
<u>SCALE:</u>	<u>DATE:</u>	<u>DRG. NO:</u>	<u>SHEET:</u>	<u>REV:</u>
N.T.S.	17.07.2026	GETCO / E / 4S-152 / P-004	1 OF 1	R-11(A)