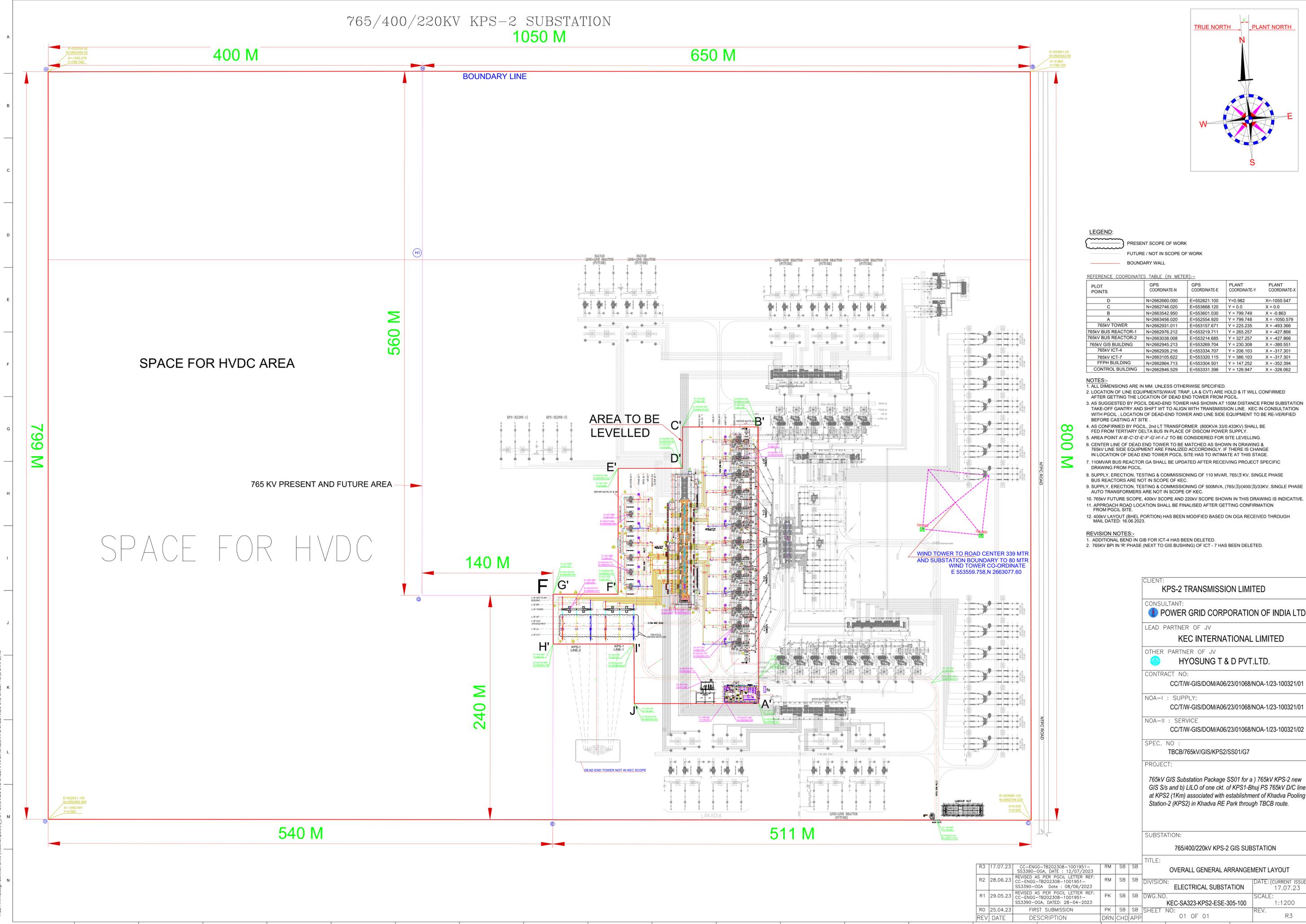
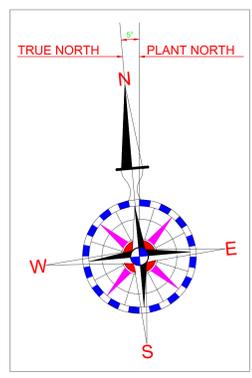


765/400/220KV KPS-2 SUBSTATION
1050 M



LEGEND:

- PRESENT SCOPE OF WORK
- FUTURE / NOT IN SCOPE OF WORK
- BOUNDARY LINE

REFERENCE COORDINATES TABLE (IN METER):-

PLOT POINTS	GPS COORDINATE-N	GPS COORDINATE-E	PLANT COORDINATE-Y	PLANT COORDINATE-X
D	N=2662660.000	E=552621.100	Y=0.982	X=-1050.547
C	N=2662746.020	E=553668.120	Y = 0.0	X = 0.0
B	N=2663542.950	E=553601.030	Y = 799.749	X = -0.863
A	N=2663456.020	E=552554.920	Y = 799.748	X = -1050.579
765KV TOWER	N=2662931.011	E=553157.671	Y = 225.235	X = -493.366
765KV BUS REACTOR-1	N=2662976.212	E=553219.711	Y = 265.257	X = -427.866
765KV BUS REACTOR-2	N=2663038.008	E=553214.685	Y = 327.257	X = -427.866
765KV GIS BUILDING	N=2662945.213	E=553269.704	Y = 230.308	X = -380.551
765KV ICT-4	N=2662926.216	E=553334.707	Y = 206.103	X = -317.301
765KV ICT-7	N=2663105.622	E=553320.115	Y = 386.103	X = -317.301
FPPH BUILDING	N=2662864.713	E=553304.501	Y = 147.252	X = -352.394
CONTROL BUILDING	N=2662846.529	E=553331.396	Y = 126.947	X = -326.062

- NOTES:-**
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
 - LOCATION OF LINE EQUIPMENTS (WAVE TRAP, LA & CVT) ARE HOLD & IT WILL CONFIRMED AFTER GETTING THE LOCATION OF DEAD END TOWER FROM PGCIL.
 - AS SUGGESTED BY PGCIL DEAD-END TOWER HAS SHOWN AT 150M DISTANCE FROM SUBSTATION TAKE-OFF GANTRY AND SHFT WT TO ALIGN WITH TRANSMISSION LINE. KEC IN CONSULTATION WITH PGCIL. LOCATION OF DEAD-END TOWER AND LINE SIDE EQUIPMENT TO BE RE-VERIFIED BEFORE CASTING AT SITE.
 - AS CONFIRMED BY PGCIL, 2nd LT TRANSFORMER (800KVA 330/43KV) SHALL BE FED FROM TERTIARY DELTA BUS IN PLACE OF DISCOM POWER SUPPLY.
 - AREA POINT A'-B'-C'-D'-E'-F'-G'-H'-I'-J' TO BE CONSIDERED FOR SITE LEVELLING.
 - CENTER LINE OF DEAD END TOWER TO BE MATCHED AS SHOWN IN DRAWING & 765KV LINE SIDE EQUIPMENT ARE FINALIZED ACCORDINGLY. IF THERE IS CHANGE IN LOCATION OF DEAD END TOWER PGCIL SITE HAS TO INTIMATE AT THIS STAGE.
 - 110MVAR BUS REACTOR GA SHALL BE UPDATED AFTER RECEIVING PROJECT SPECIFIC DRAWING FROM PGCIL.
 - SUPPLY, ERECTION, TESTING & COMMISSIONING OF 110 MVAR, 765/3 KV, SINGLE PHASE BUS REACTORS ARE NOT IN SCOPE OF KEC.
 - SUPPLY, ERECTION, TESTING & COMMISSIONING OF 500MVA, (765/3)/(400/3)/33KV, SINGLE PHASE AUTO TRANSFORMERS ARE NOT IN SCOPE OF KEC.
 - 765KV FUTURE SCOPE, 400KV SCOPE AND 220KV SCOPE SHOWN IN THIS DRAWING IS INDICATIVE.
 - APPROACH ROAD LOCATION SHALL BE FINALISED AFTER GETTING CONFIRMATION FROM PGCIL SITE.
 - 400KV LAYOUT (BHEL PORTION) HAS BEEN MODIFIED BASED ON OGA RECEIVED THROUGH MAIL DATED: 16.06.2023.

- REVISION NOTES:-**
- ADDITIONAL BEND IN GIB FOR ICT-4 HAS BEEN DELETED.
 - 765KV BPI IN 'R' PHASE (NEXT TO GIS BUSHING) OF ICT - 7 HAS BEEN DELETED.

CLIENT:
KPS-2 TRANSMISSION LIMITED

CONSULTANT:
POWER GRID CORPORATION OF INDIA LTD.

LEAD PARTNER OF JV:
KEC INTERNATIONAL LIMITED

OTHER PARTNER OF JV:
HYOSUNG T & D PVT.LTD.

CONTRACT NO.:
CC/TW-GIS/DOM/A06/23/01068/NOA-1/23-100321/01

NOA-I : SUPPLY:
CC/TW-GIS/DOM/A06/23/01068/NOA-1/23-100321/01

NOA-II : SERVICE:
CC/TW-GIS/DOM/A06/23/01068/NOA-1/23-100321/02

SPEC. NO. :
TBCB/765KV/GIS/KPS2/SS01/G7

PROJECT:
765kv GIS Substation Package SS01 for a) 765KV KPS-2 new GIS S/s and b) LIL0 of one ckt. of KPS1-Bhuj PS 765KV D/C line at KPS2 (1Km) associated with establishment of Khadva Pooling Station-2 (KPS2) in Khadva RE Park through TBCB route.

SUBSTATION:
765/400/220KV KPS-2 GIS SUBSTATION

TITLE:
OVERALL GENERAL ARRANGEMENT LAYOUT

REV	DATE	DESCRIPTION	DRN	CHD	APP
R3	17.07.23	CC-ENGG-TB202308-1001951-SS3390-OGA, DATE : 12/07/2023	RM	SB	SB
R2	28.06.23	REVISED AS PER PGCIL LETTER REF: CC-ENGG-TB202308-1001951-SS3390-OGA Date : 08/06/2023	RM	SB	SB
R1	29.05.23	REVISED AS PER PGCIL LETTER REF: CC-ENGG-TB202308-1001951-SS3390-OGA, DATED: 28-04-2023	PK	SB	SB
R0	25.04.23	FIRST SUBMISSION	PK	SB	SB

DIVISION: ELECTRICAL SUBSTATION
DATE: (CURRENT ISSUE) 17.07.23
DWG. NO.: KEC-SA323-KPS2-ESE-305-100
SCALE: 1:1200
SHEET NO.: 01 OF 01
REV.: R3

FILE PATH: Design Common Drive (M:\mumpad\5\1\04_Other\KEC STD SHEET\FINAL\HORIZONTAL SHEET\KEC-STD-SHEET-A0(L SHAPE) R0