

400 kV Narender (New) GIS S/s

Overall Equipment Layout (Plan & Section)

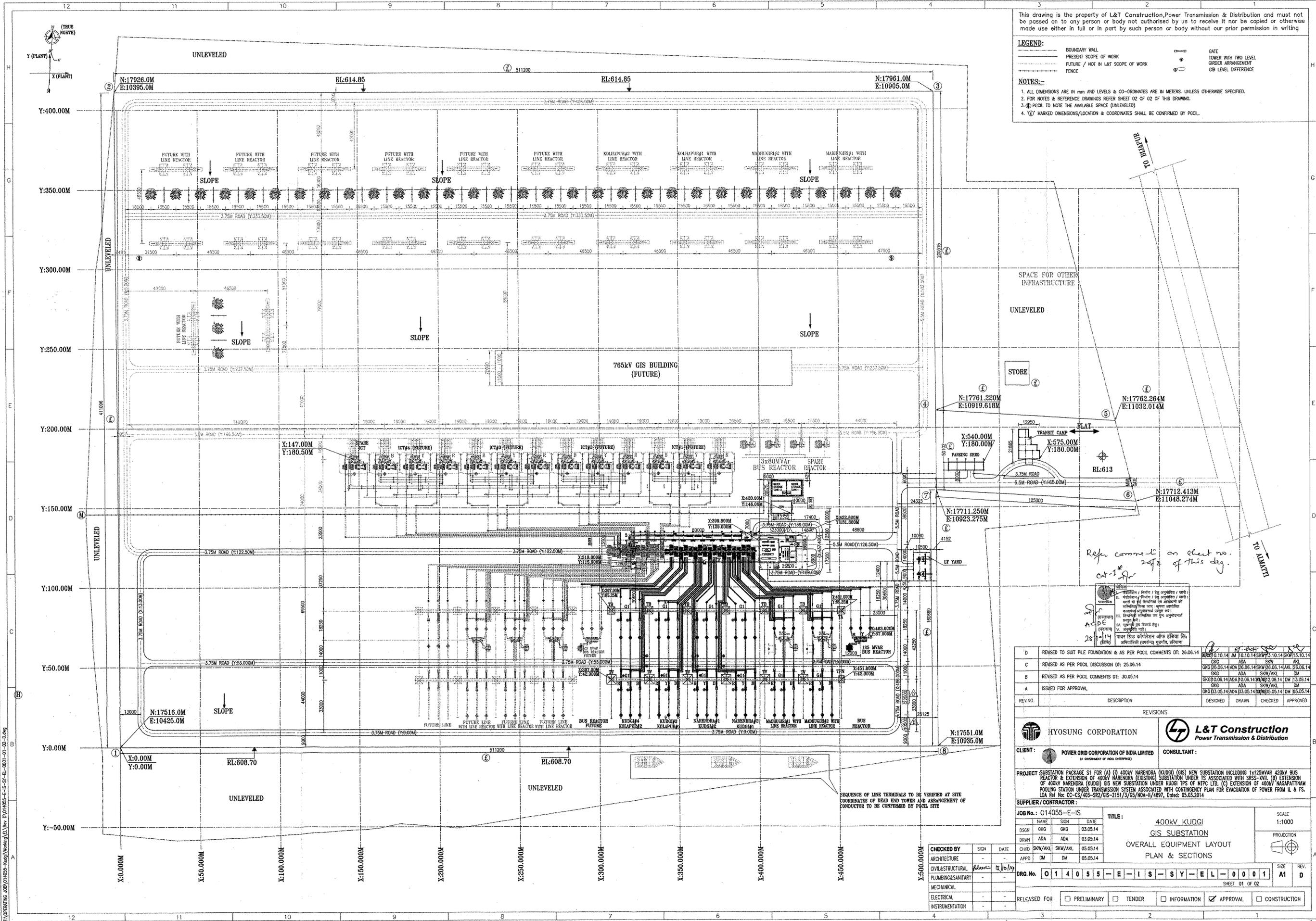
This drawing is the property of L&T Construction, Power Transmission & Distribution and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing

LEGEND:

- BOUNDARY WALL
- PRESENT SCOPE OF WORK
- FUTURE / NOT IN L&T SCOPE OF WORK
- FENCE
- GATE
- TOWER WITH TWO LEVEL ORDER ARRANGEMENT
- GIS LEVEL DIFFERENCE

NOTES:-

1. ALL DIMENSIONS ARE IN MM AND LEVELS & CO-ORDINATES ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
2. FOR NOTES & REFERENCE DRAWINGS REFER SHEET 02 OF 02 OF THIS DRAWING.
3. (P) PCOIL TO NOTE THE AVAILABLE SPACE (UNLEVELED)
4. (C) MARKED DIMENSIONS/LOCATION & COORDINATES SHALL BE CONFIRMED BY PCOIL.



Refer comment on sheet no. 2 of 2 of this set.

संपूर्ण नक्शा / प्लान / सेट अंगीकारित / जारी है।
 II. कोशिकाएं / फील्ड / सेट अंगीकारित / जारी।
 कर्तव्य है कि डिजाइनर को अनुमति नहीं है कि नक्शा/प्लान/सेट को कृपया अनधिकृत रूप से प्रसारित न करें।
 III. डिजाइनर कोशिकाएं/सेट सेट अंगीकारित/जारी है।
 IV. पुराने सेट/प्लान/सेट को नष्ट कर दें।
 V. अंगीकारित करें।
 पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
 बॉम्बे/मुंबई (संकेत) मुंबई, महाराष्ट्र

REV. NO.	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
D	REVISED TO SUIT PILE FOUNDATION & AS PER PCOIL COMMENTS DT: 26.06.14				
C	REVISED AS PER PCOIL DISCUSSION DT: 25.06.14				
B	REVISED AS PER PCOIL COMMENTS DT: 30.06.14				
A	ISSUED FOR APPROVAL				

HYOSUNG CORPORATION
 POWER TRANSMISSION & DISTRIBUTION

CLIENT: POWER GRID CORPORATION OF INDIA LIMITED
 (A GOVERNMENT OF INDIA ENTERPRISE)

CONSULTANT: L&T Construction
 Power Transmission & Distribution

PROJECT: SUBSTATION PACKAGE S1 FOR (A) 400KV NARENDRA (KUDGI) (GIS) NEW SUBSTATION INCLUDING 1x125MVAR 400KV BUS REACTOR & EXTENSION OF 400KV NARENDRA (EXISTING) SUBSTATION UNDER SRS-SW (B) EXTENSION OF 400KV NARENDRA (KUDGI) GIS NEW SUBSTATION UNDER KUDGI TPS OF NTPC LTD. (C) EXTENSION OF 400KV NAGAPATTINAM POOLING STATION UNDER TRANSMISSION SYSTEM ASSOCIATED WITH CONTINGENCY PLAN FOR EVACUATION OF POWER FROM IL & FS. LOA Ref No: CC-CS/403-SR2-2151/3/65/NOA-6/4897, Dated: 05.05.2014

SUPPLIER/CONTRACTOR:

NO.	NAME	SIGN	DATE	TITLE	SCALE	PROJECTION
DRSN	ADA	ADA	03.05.14	400KV KUDGI GIS SUBSTATION OVERALL EQUIPMENT LAYOUT PLAN & SECTIONS	1:1000	
CHKD	SKW/AKL	SKW/AKL	05.05.14			
APPD	DM	DM	05.05.14			

DRG. No: 014055-E-IS-SY-EL-0001

RELEASED FOR: PRELIMINARY TENDER INFORMATION APPROVAL CONSTRUCTION

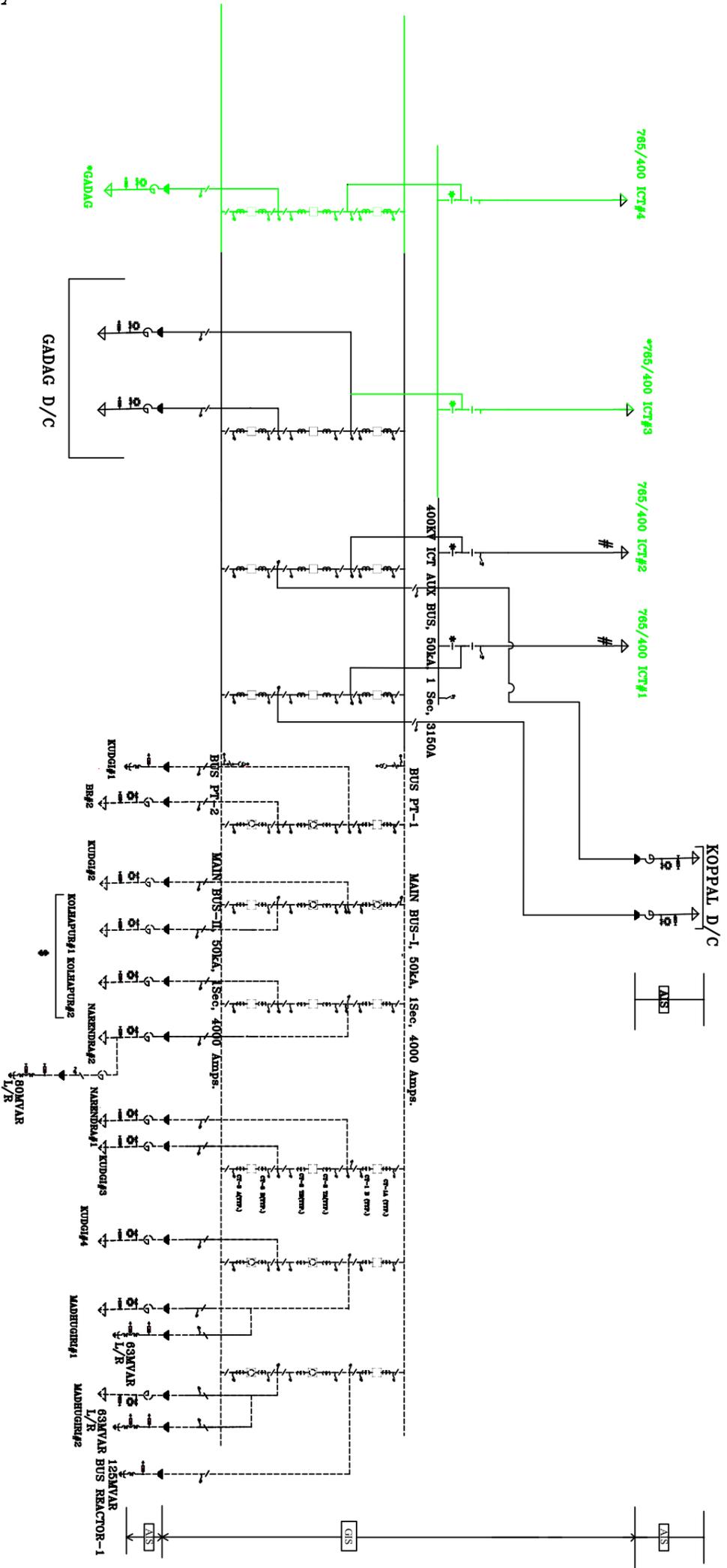
SIZE: A1 **REV.:** 1

SHEET: 01 OF 02

Z:\OPERATING_2014\04055-Subg\Working\A\Rev_01\014055-E-IS-SY-EL-0001-01-02-03.dwg

Earthmat Layout

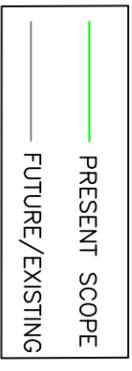
SLD-Narendra (New)



400KV GIS EQUIPMENTS SYMBOLS	
1	CIRCUIT BREAKER
2	ISOLATOR
3	EARTH SWITCH
4	SF6/AIR Bushing
5	CURRENT TRANSFORMER

400KV(AIS)EQUIPT. SYMBOLS	
1	SURGE ARRESTER
2	CAPACITOR VOLTAGE TRANSFORMER
3	WAVE TRAP

LEGEND:



NOTES

* One circuit of 400KV Gadag D/C line shall be shifted from the adjacent existing/ under execution diameter to the new diameter in present scope so as to make Line-Tie-ICT configuration. One ICT shall be connected to the existing/ under execution half diameter which has become vacant due to shifting of one circuit of the Gadag line

2 (two) nos. bays are available in existing half diameters for accommodating 2 (two) ICTs.

<p>ISTS Network Expansion scheme in Western Region & Southern Region for export of surplus power during high RE scenario in Southern Region</p>	
<p>SUBSTATION: 765/400KV NARENDRA NEW (KUDGI) GIS S/S EXTN.</p>	
<p>TITLE: INDICATIVE SINGLE LINE DIAGRAM</p>	

765 kV GIS Pune Substation

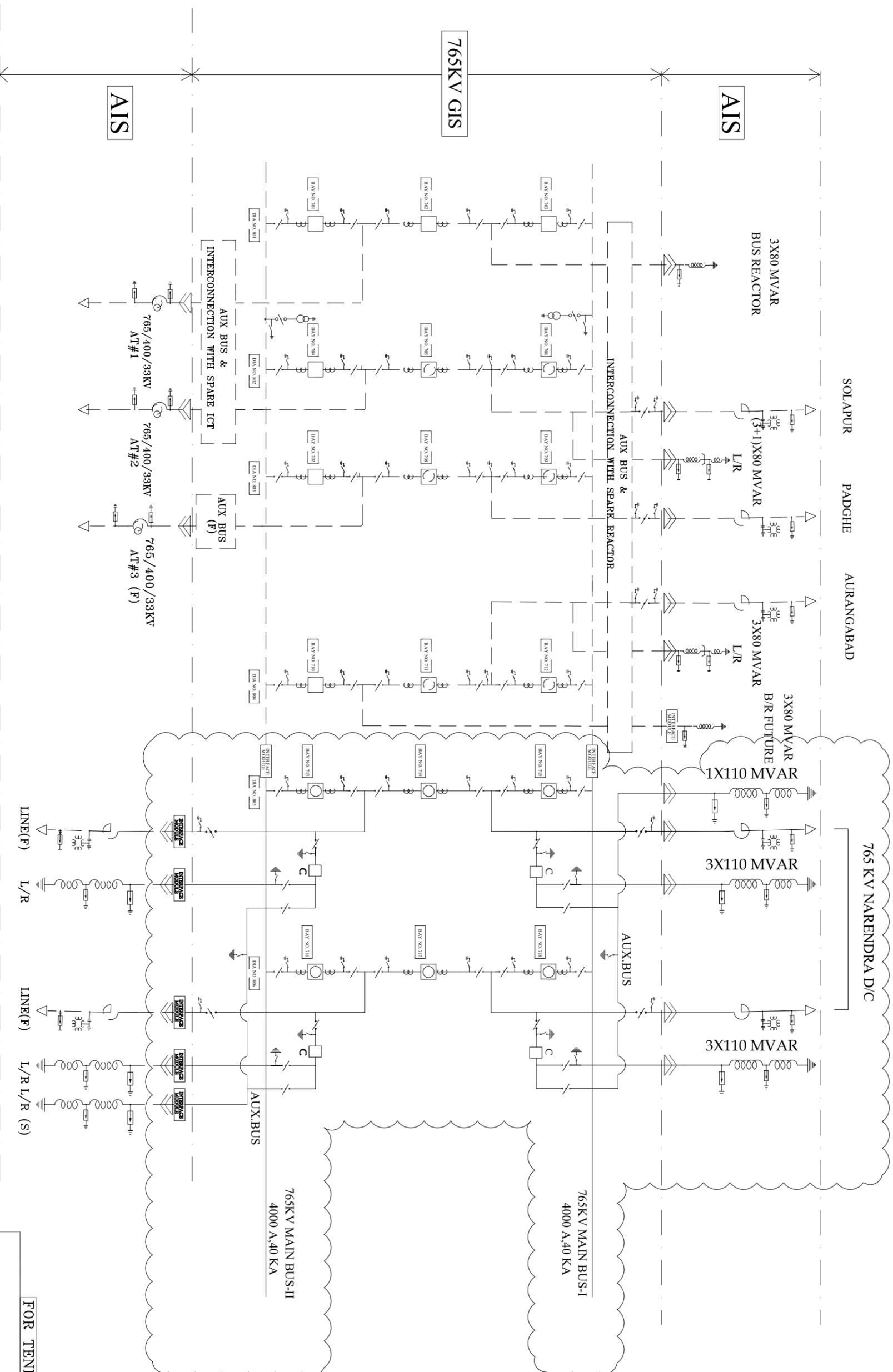
Earthmat Layout

General Arrangement

Overall equipment layout (plan & section) - 1 of 2

**Overall equipment layout (plan &
section) - 2 of 2**

Single Line Diagram



LEGEND:

PRESENT SCOPE
EXISTING/FUTURE

NOTES:

Following GIS modules has been considered to be installed in existing 765kV GIS hall under present scope :

- 1) 2 number of 765kV Line bay (for termination of Narendra D/C)
- 2) 2 number of 765kV Switchable Line reactor bay
- 3) 2 number of 765kV Tie bay
- 4) 2 number of 765kV Line bay (equipped bay for future use)
- 5) 2 number of 765kV Switchable Line reactor bay (equipped bay for future use)
- 6) 2 number of 765kV Auxiliary bus bars module (separate for Narendra D/C & future)
- 7) 2 set of 765kV Three Isolated phase bus bar module

FOR TENDER PURPOSE ONLY

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT: Extension of 765 kV Pune GIS under TBCB

TITLE :
SINGLE LINE DIAGRAM OF 765 kV PUNE GIS S/S EXTENSION

DRAWN	DATE	SCALE	DRAWING NO.	REV.

N.T.S. C/ENGG/WR/TBCB/765KV/PUNE/SLD/01 00

