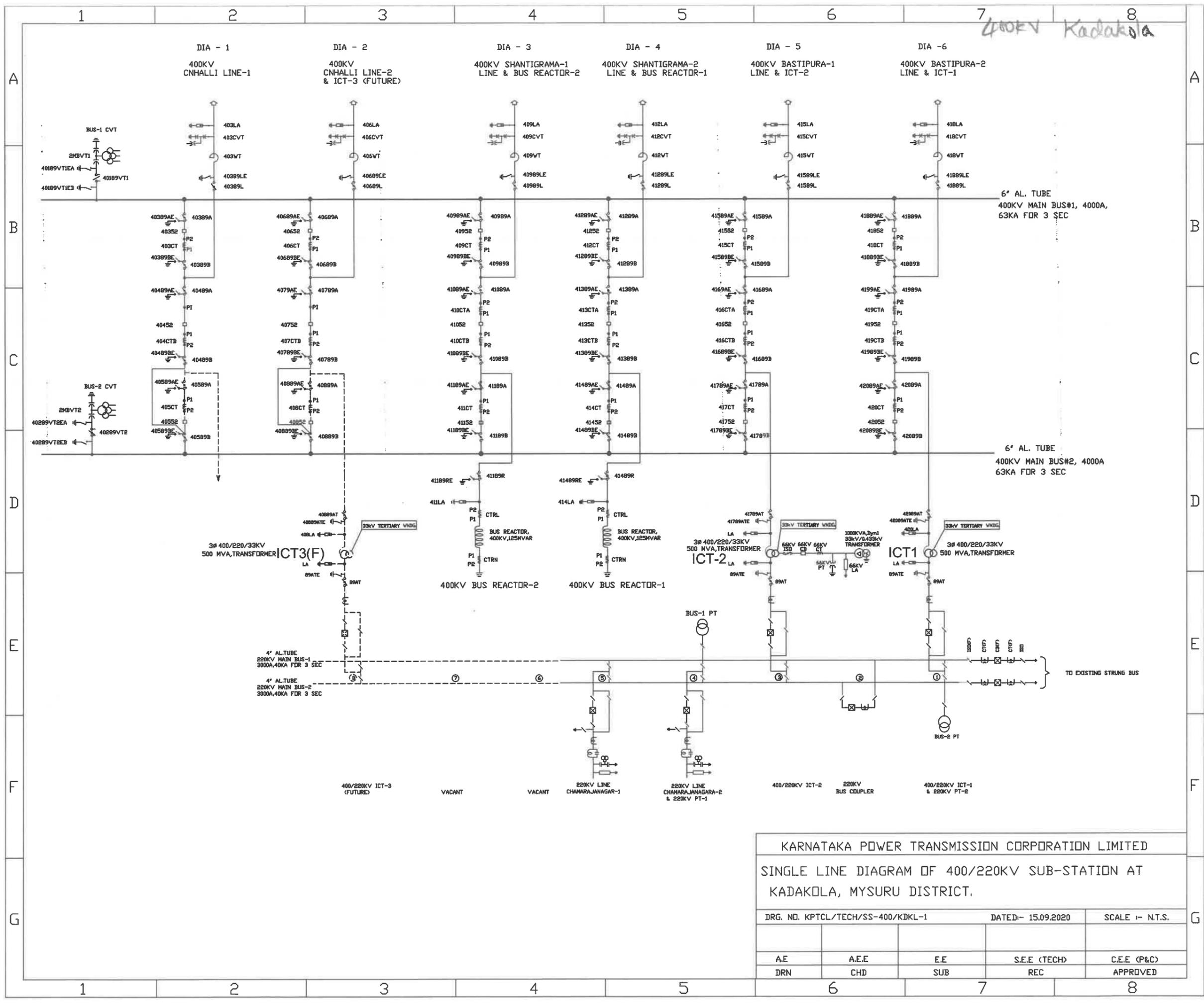
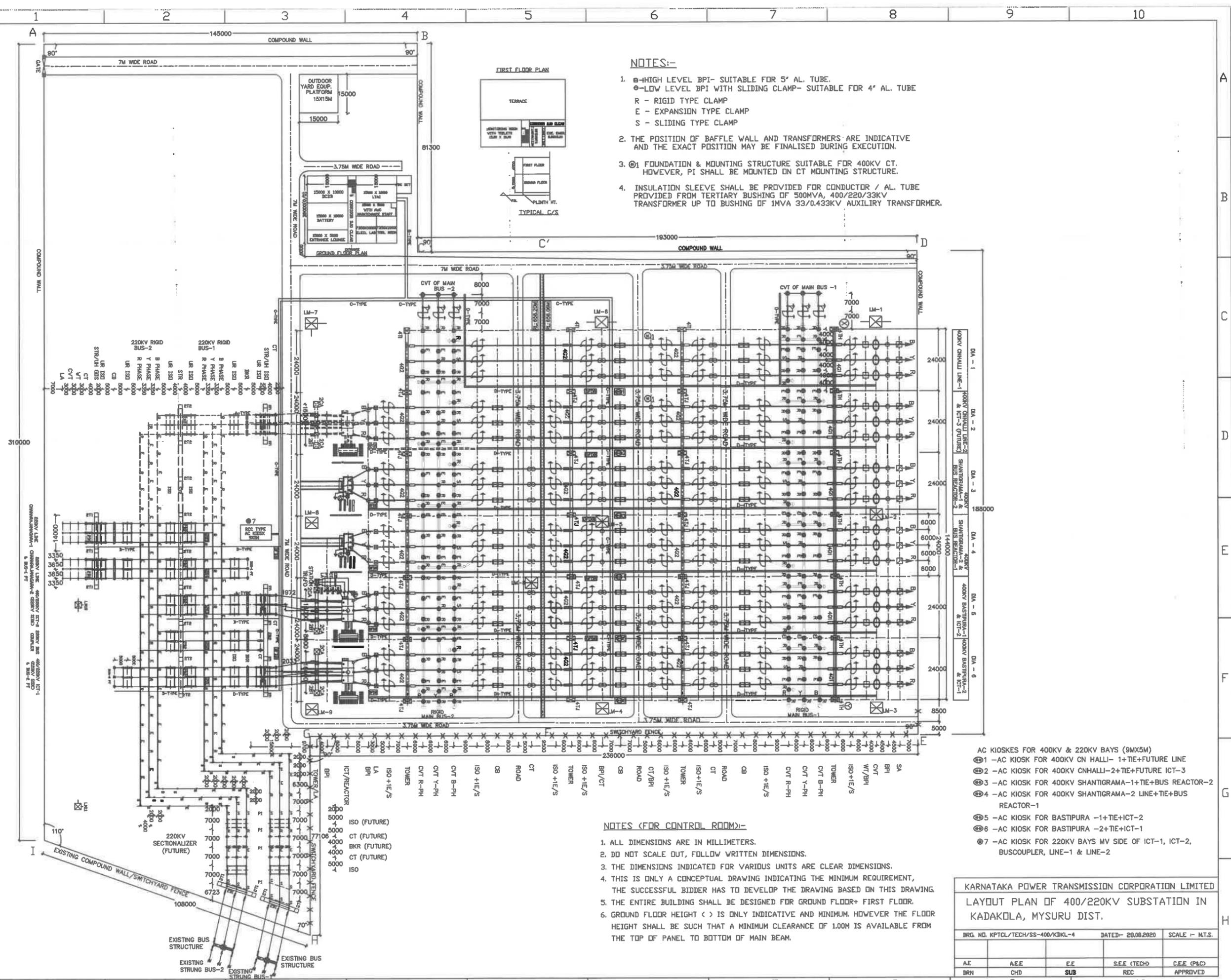


1. 400/220 kV Kadakola Substation

400KV Kadakola



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
SINGLE LINE DIAGRAM OF 400/220KV SUB-STATION AT KADAKOLA, MYSURU DISTRICT.				
DRG. NO. KPTCL/TECH/SS-400/KDKL-1		DATED:- 15.09.2020		SCALE :- N.T.S.
A.E	A.E.E	E.E	S.E.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED



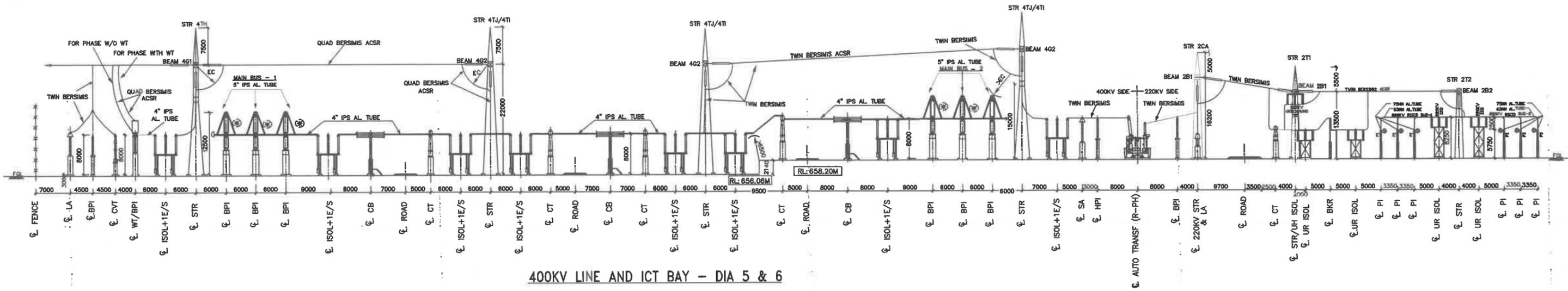
- NOTES:-**
- ⊖-HIGH LEVEL BPI- SUITABLE FOR 5" AL. TUBE.
 - ⊕-LOW LEVEL BPI WITH SLIDING CLAMP- SUITABLE FOR 4" AL. TUBE
 - R - RIGID TYPE CLAMP
 - E - EXPANSION TYPE CLAMP
 - S - SLIDING TYPE CLAMP
 - THE POSITION OF BAFFLE WALL AND TRANSFORMERS ARE INDICATIVE AND THE EXACT POSITION MAY BE FINALISED DURING EXECUTION.
 - ⊙1 FOUNDATION & MOUNTING STRUCTURE SUITABLE FOR 400KV CT. HOWEVER, PI SHALL BE MOUNTED ON CT MOUNTING STRUCTURE.
 - INSULATION SLEEVE SHALL BE PROVIDED FOR CONDUCTOR / AL. TUBE PROVIDED FROM TERTIARY BUSHING OF 500MVA, 400/220/33KV TRANSFORMER UP TO BUSHING OF 1MVA 33/0.433KV AUXILIARY TRANSFORMER.

- NOTES (FOR CONTROL ROOM):-**
- ALL DIMENSIONS ARE IN MILLIMETERS.
 - DO NOT SCALE OUT, FOLLOW WRITTEN DIMENSIONS.
 - THE DIMENSIONS INDICATED FOR VARIOUS UNITS ARE CLEAR DIMENSIONS.
 - THIS IS ONLY A CONCEPTUAL DRAWING INDICATING THE MINIMUM REQUIREMENT, THE SUCCESSFUL BIDDER HAS TO DEVELOP THE DRAWING BASED ON THIS DRAWING.
 - THE ENTIRE BUILDING SHALL BE DESIGNED FOR GROUND FLOOR+ FIRST FLOOR.
 - GROUND FLOOR HEIGHT () IS ONLY INDICATIVE AND MINIMUM. HOWEVER THE FLOOR HEIGHT SHALL BE SUCH THAT A MINIMUM CLEARANCE OF 1.00M IS AVAILABLE FROM THE TOP OF PANEL TO BOTTOM OF MAIN BEAM.

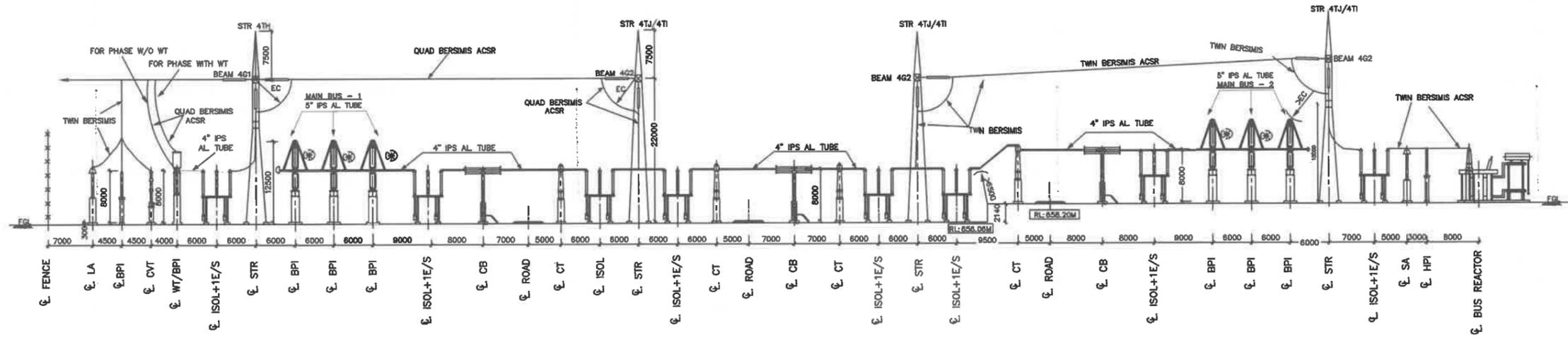
DA - 1	400KV CHHALLI LINE-1
DA - 2	400KV SHANTIGRAMA-1 & ICT-3 (FUTURE)
DA - 3	400KV SHANTIGRAMA-1 & BUS REACTOR-2
DA - 4	400KV SHANTIGRAMA-2 & BUS REACTOR-1
DA - 5	400KV BASTIPURA-1 & ICT-2
DA - 6	400KV BASTIPURA-1 & ICT-1

- AC KIOSKS FOR 400KV & 220KV BAYS (9MX5M)
- ⊙1 - AC KIOSK FOR 400KV CH HALLI- 1+TIE+ FUTURE LINE
 - ⊙2 - AC KIOSK FOR 400KV CH HALLI-2+TIE+ FUTURE ICT-3
 - ⊙3 - AC KIOSK FOR 400KV SHANTIGRAMA-1+TIE+BUS REACTOR-2
 - ⊙4 - AC KIOSK FOR 400KV SHANTIGRAMA-2 LINE+TIE+BUS REACTOR-1
 - ⊙5 - AC KIOSK FOR BASTIPURA -1+TIE+ICT-2
 - ⊙6 - AC KIOSK FOR BASTIPURA -2+TIE+ICT-1
 - ⊙7 - AC KIOSK FOR 220KV BAYS MV SIDE OF ICT-1, ICT-2, BUSCOUPLER, LINE-1 & LINE-2

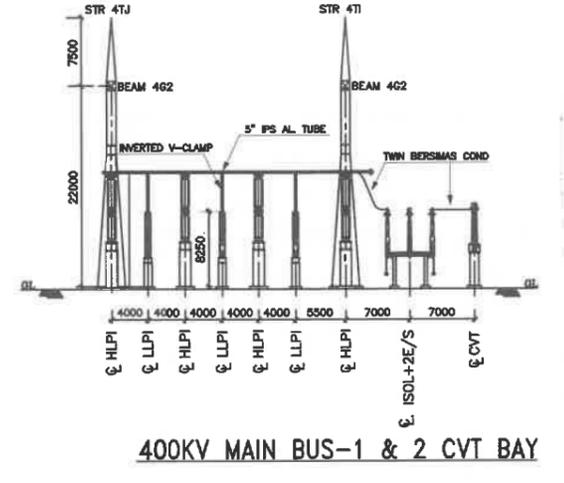
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
LAYOUT PLAN OF 400/220KV SUBSTATION IN KADAKOLA, MYSURU DIST.				
IRG NO. KPTCL/TECH/SS-400/KDKL-4	DATED- 28.08.2020	SCALE - N.T.S.		
AE	A.E.E	E.E	S.E.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED



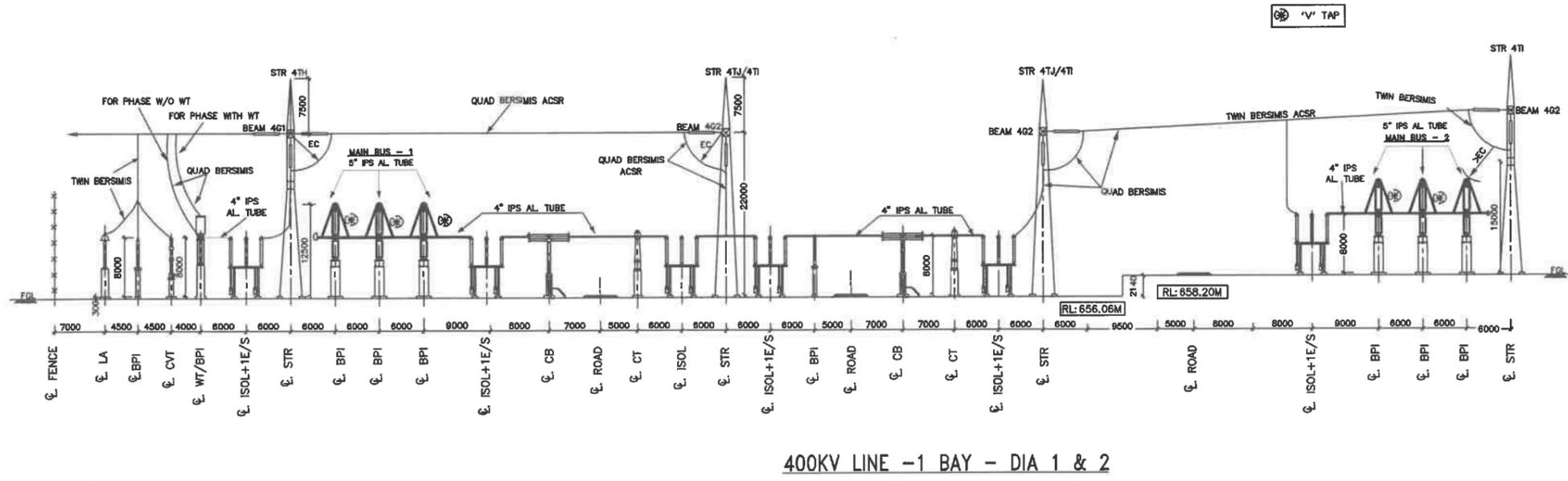
400KV LINE AND ICT BAY - DIA 5 & 6



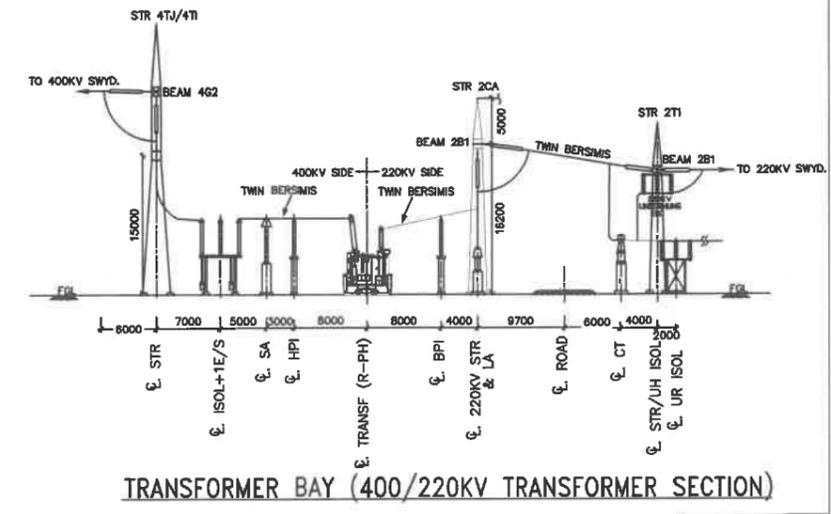
400KV LINE AND BUS REACTOR BAY - DIA 3 & 4



400KV MAIN BUS-1 & 2 CVT BAY



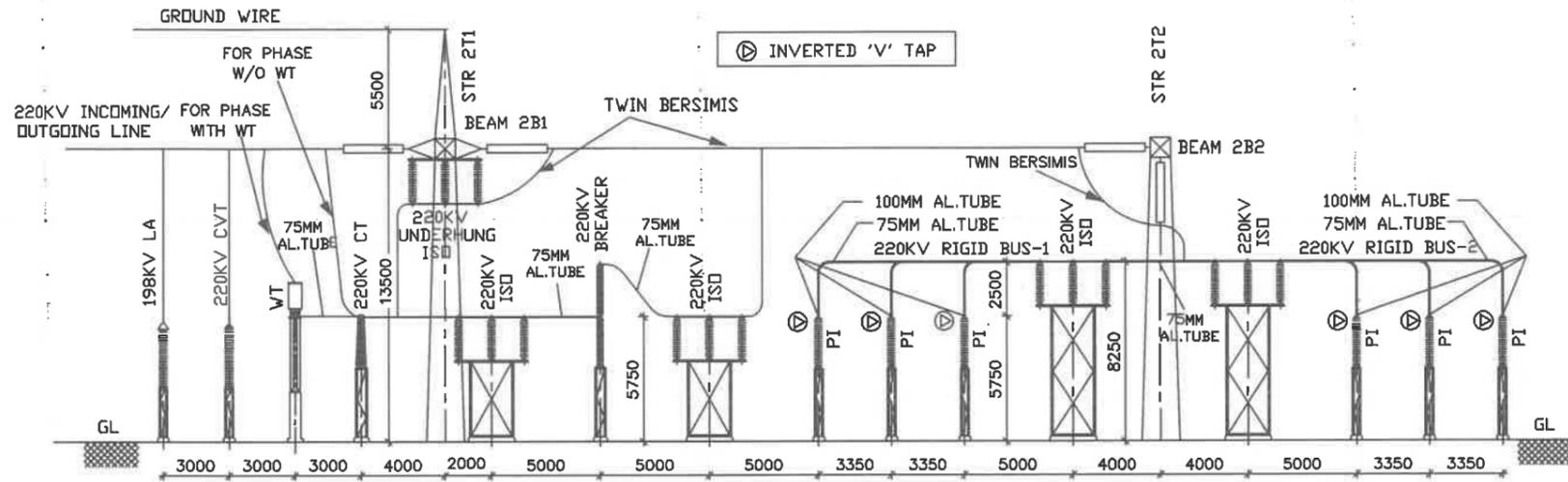
400KV LINE -1 BAY - DIA 1 & 2



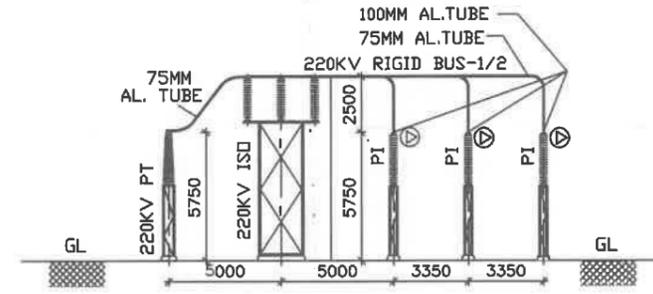
TRANSFORMER BAY (400/220KV TRANSFORMER SECTION)

SHEET 1 OF 2

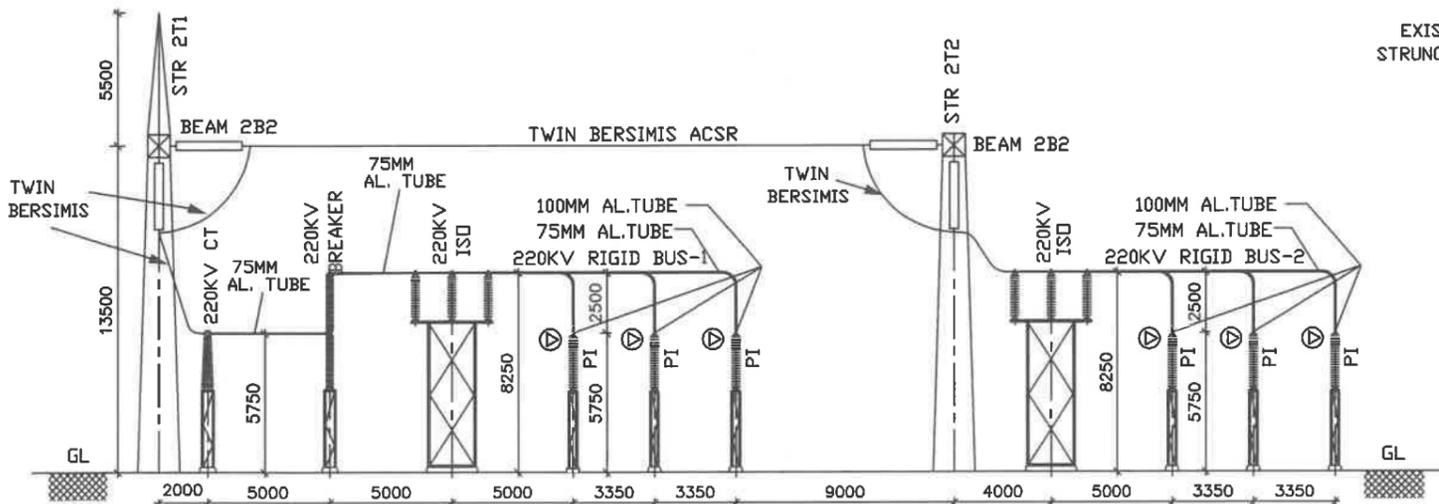
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
CROSS SECTION THROUGH VARIOUS 400KV BAYS AT 400/220KV KADAKOLA SUBSTATION, MYSURU DISTRICT.				
DRG.NO.KPTCL/TECH/SS-400/KDKL-5		DATE-15.09.2020		SCALE- N.T.S
A.E	A.E.E	E.E	S.E.(TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED



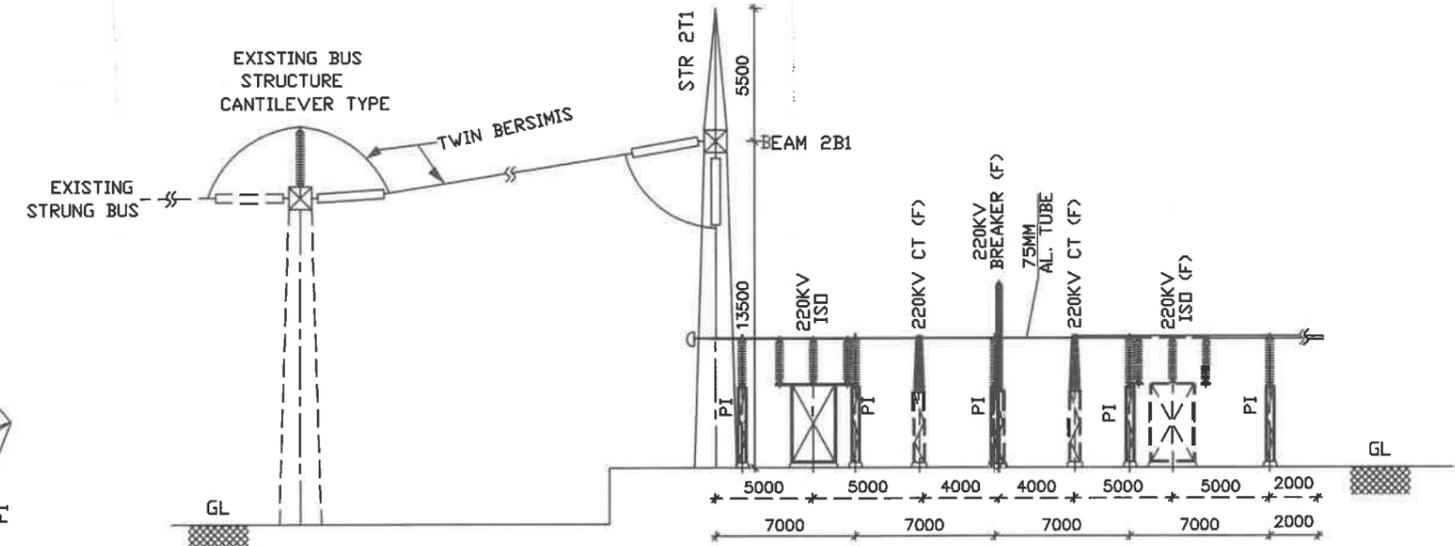
CROSS SECTION THROUGH 220KV LINE BAY



CROSS SECTION THROUGH 220KV PT BAY



CROSS SECTION THROUGH 220KV BUS COUPLER BAY

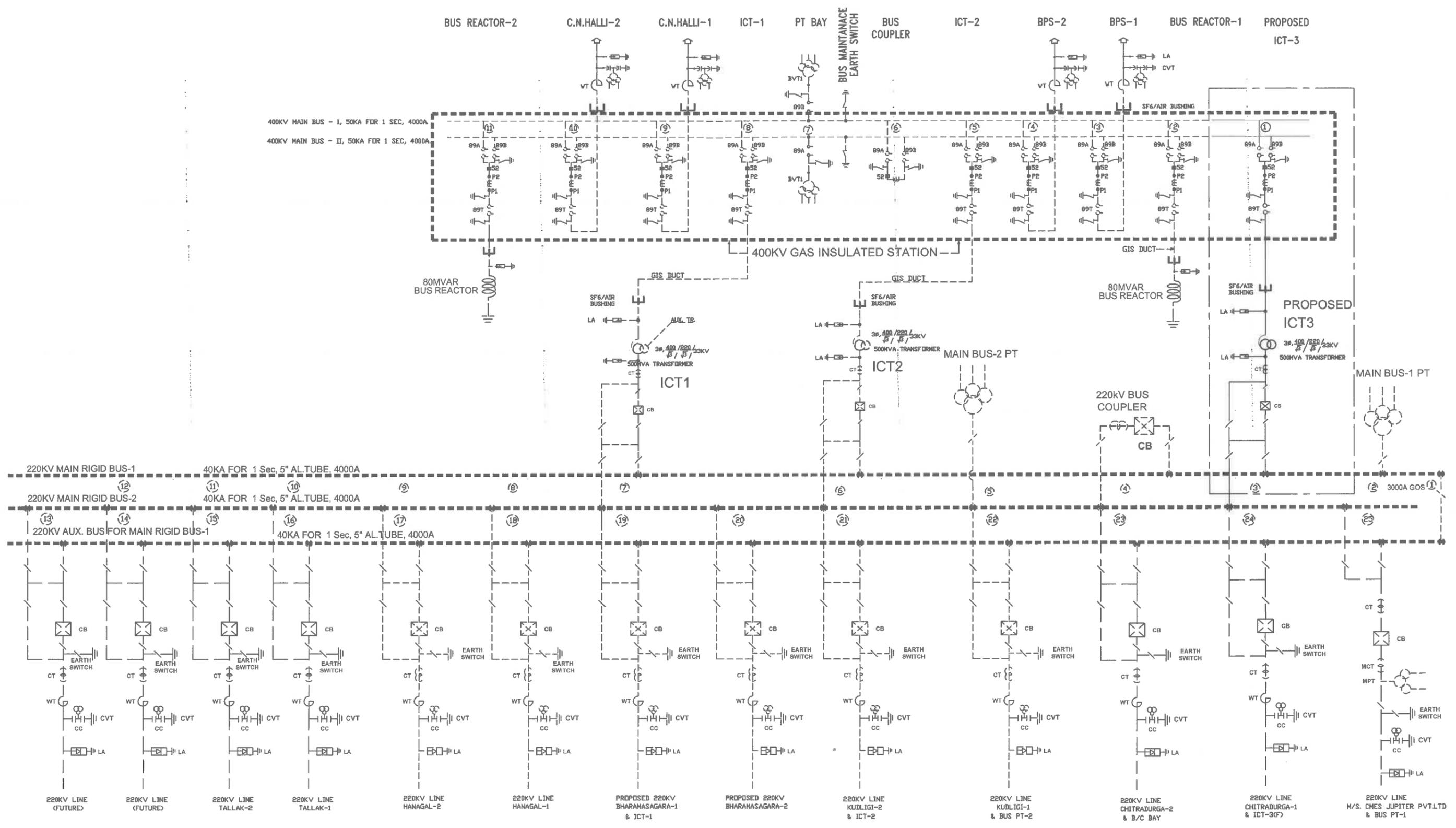


CROSS SECTION THROUGH BUS INTERCONNECTION BAY

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
CROSS SECTION THROUGH VARIOUS 220KV BAYS AT 400/220KV KADAKOLA SUBSTATION, MYSURU DISTRICT.				
DRG.NO.KPTCL/TECH/SS-400/KDKL-5			DATE:- 15.09.2020	SCALE:- N.T.S
A.E	A.E.E	E.E	S.E(TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED

2. 400/220 kV Jagaluru (Hiremallanahole) Substation

400KV Jagalur



NOTES:-

- 1. SOLID LINE INDICATES PROPOSED AND DOTTED LINE INDICATES EXISTING.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
SINGLE LINE DIAGRAM OF 400/220KV SUB STATION AT HIREMALLANAHOLE JAGALURU TALUK, DAVANAGERE DISTRICT.- PROVIDING ADDITIONAL 500MVA, 400/220KV TRANSFORMER.				
DRG. NO. KPTCL/TECH/SS-400/HML-1-R3		DATE:- 19.09.2022		SCALE :- N.T.S.
A.E	A.E.E	E.E	S.E.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED

REVISED EARTHMAT FOR THE PROPOSED 400KV STATION @ HIREMALLANAHOLE IN JAGALUR TQ., DAVANAGERE DISTRICT.

IMPORTANT

* NOT TO SCALE

* THE NO OF CAST IRON PIPE ELECTRODES SHALL BE PROVIDED AS PER GUIDELINES (ITEM 2, 4, 5 & 12 OF GUIDELINES)

* BEFORE EXECUTION PLEASE CAREFULLY GO THROUGH THE ENCLOSED GUIDELINES *

* ALL DIMENSIONS ARE IN METER

SALIENT DESIGN FEATURES

AREA COVERED BY EARTHMAT IN SQ MTR	51364
DEPTH OF BURIAL OF EARTHMAT IN MTR	0.9
SPACING BETWEEN MAT CONDUCTOR (M.S. FLAT) IN MTR	6
SIZE OF EARTHMAT CONDUCTOR (M.S.FLAT) IN MM	75 X 12 MM

SPREADING OF GRANITE METAL JELLY OF SIZE 20/25 MM TO A HEIGHT OF 100 MM OVER THE ENTIRE EARTH MAT AREA.

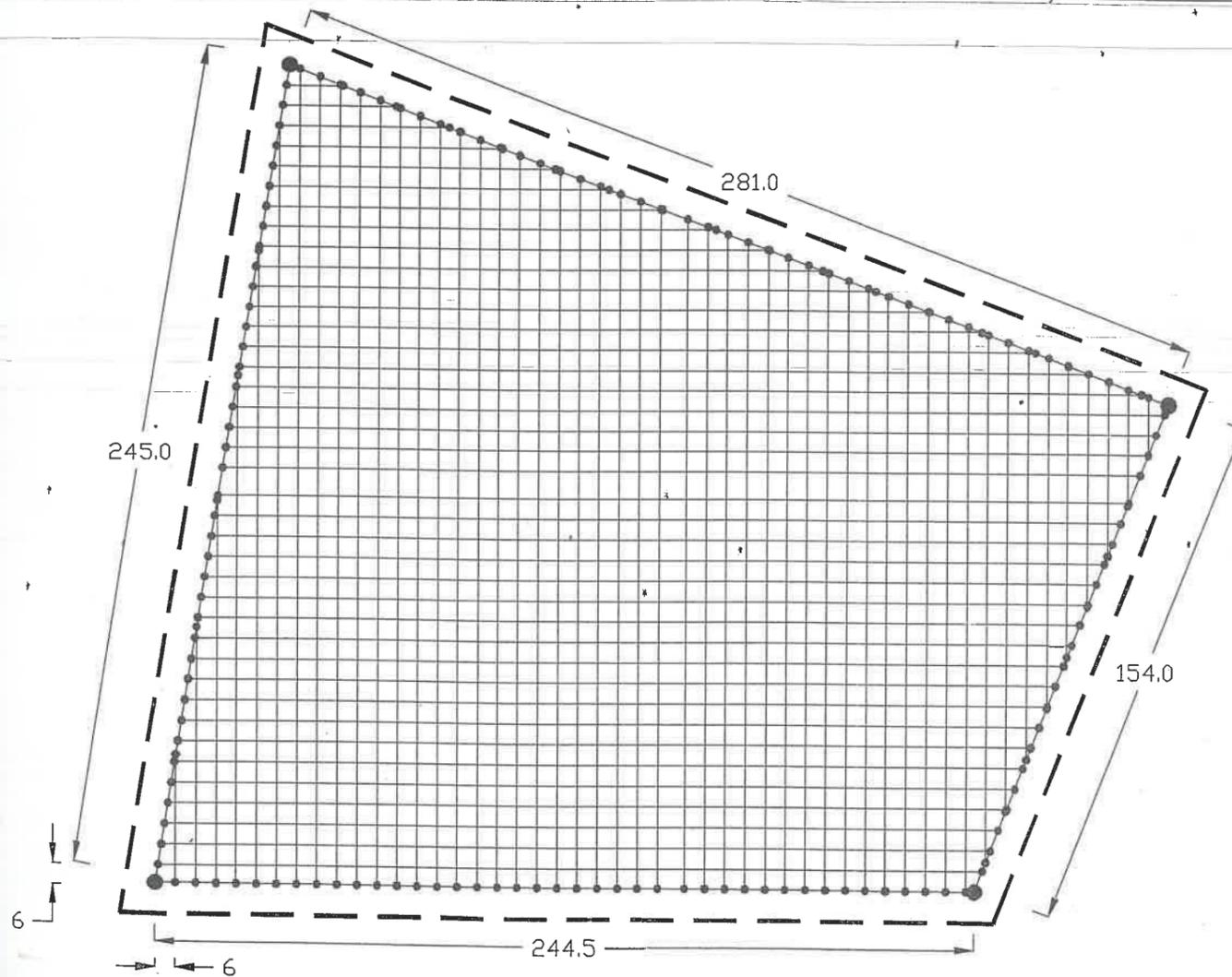
BILL OF MATERIALS (APPROXIMATE QUANTITY) FOR EARTHMAT FORMATION & FENCING.

REF:- 1) LTR.NO.:CEE(P&C)/SET/EET/AEE-1/KCO-105/34702/15-16-11503-08, DTD:23.11.2016 OF CEE, P&C.

2) LAYOUT DRAWING NO.KEC-B719-721-JLR-01-0001-REV-R1, SHEET-1 OF 1)

3) I.O.NOTE NO.:CEE(P&C)/SEET/EET/AEE-1/KCO-105/34702/15-16, DTD:07.01.2017 OF SEE, TECH

1.Excavation,formation,refilling	8609	Cmtr.
2.Material for formation of earthmat as per specification		
a)M.S.Flat 75 X 12 MM	19322	Mtr.
b)MS Round rods 25 mm dia,1.05 Mt. long	180	No.
c)G.I.Flats 75 X 12 MM for earth connection	6635	Mtr.
d)Cast iron pipe electrodes of 100 mm Id,13 mm thick,2.75 mtr.long	141	No.
e)Spreading of Granite metal jelly of size 20/25 mm size to a height of 100 mm	5136	Cmtr.



NOTE: 1) DESIGNED BY CONSIDERING TRANSFORMER CAPACITY OF 2 X 500MVA, 400/220/33KV CLASS FAULT LEVEL OF SUBJECT STATION AS 50.0KA.

2) THIS DESIGN IS FOR CONVENTIONAL 400KV STATION AND EARTHING REQUIREMENT FOR GIS BUILDING AND MODULES SHALL BE OBTAINED FROM THE MANUFACTURER/SUPPLIER OF GIS EQUIPMENTS.

3) THIS SUPERCEEDS THE EARLIER EMD VIDE LTR.NO.:CEE/SEE/R&D&HL/EEE/KCO-126/F-100(7)/2015-16/1267-69, DTD:04.08.2015 & DRG. DTD:23.07.2015 OF CEE, RT&R&D.

FENCE SHALL BE AT A MINIMUM DISTANCE OF 1.5 METERS AWAY FROM THE PERIPHERY OF THE STATION EARTHMAT
25 MM DIA M.S. ROUND RODS OF LENGTH ONE METER TO BE DRIVEN AS SHOWN
ADDITIONAL C.I.PIPE ELECTRODES PROPOSED (REF.ENCLOSED SKETCH)

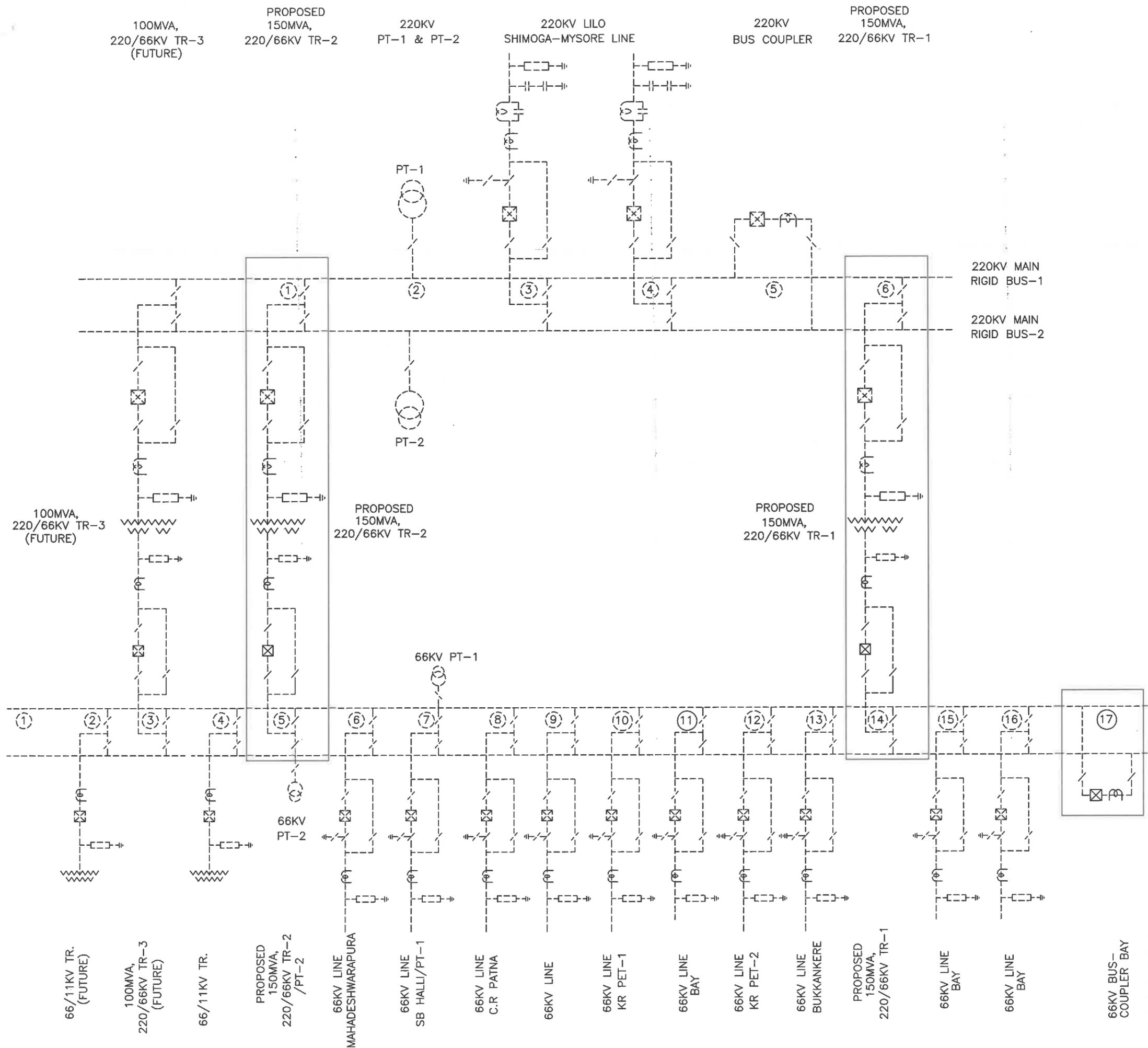
R & D CENTRE, K P T C L

DRG NO. SEE/R&D/EEE/KCO-126/F-100(7), Dtd:18.01.2017

AEEE	SEE	SEE

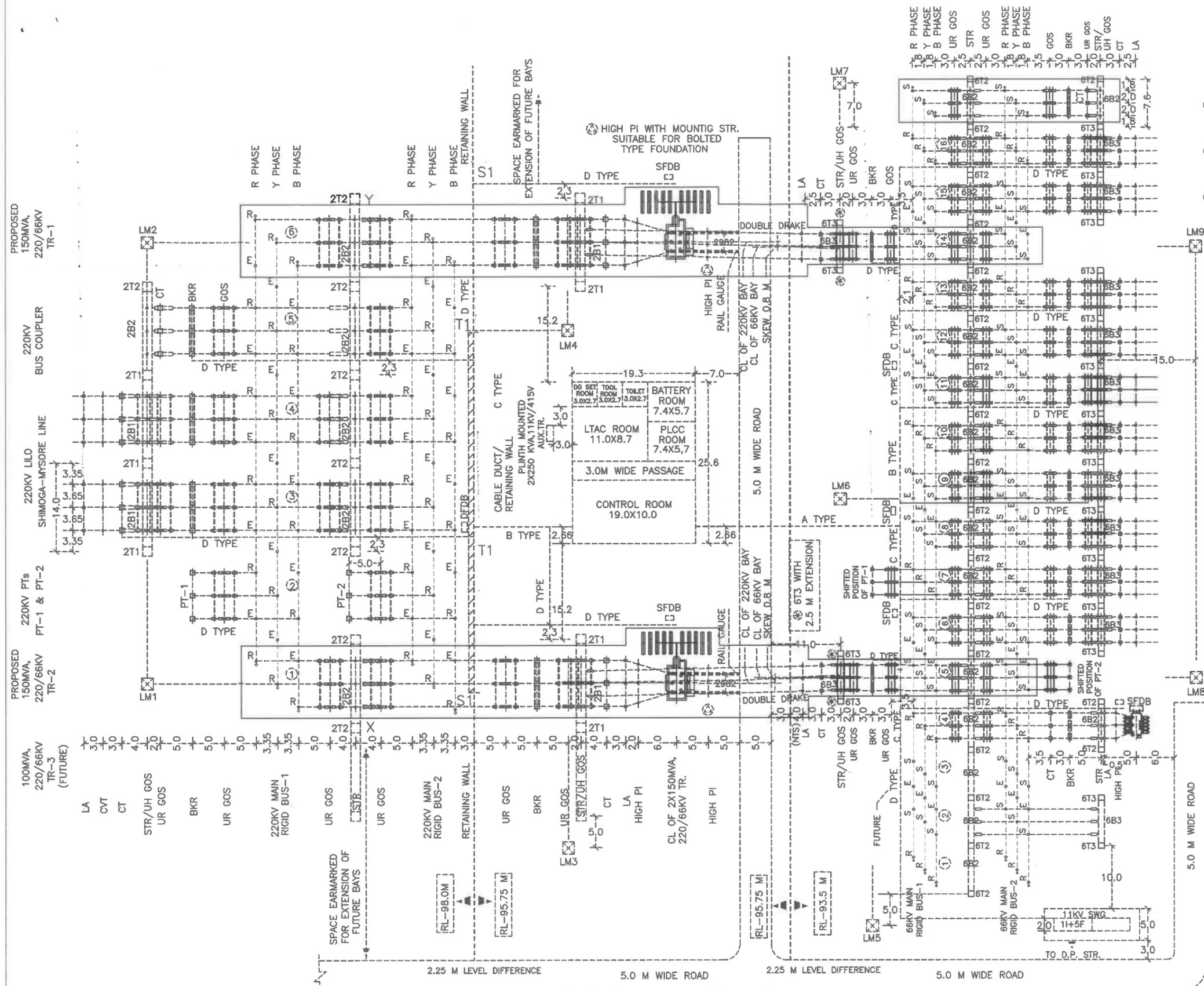
3. 220/66/11 kV Huyoganahalli Substation

220KV HuyoganaHalli



NOTES:-
 1. THICK LINE INDICATE PROPOSED ARRANGEMENT & DOTTED LINE INDICATED EXISTING.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
SINGLE LINE DIAGRAM OF 220/66/11KV HUYOGANAHALLI S/S, K.R.PET TALUK & MANDYA DISTRICT. - AUGMENTATION OF 2X100MVA, 220/66KV POWER TRANSFORMER BY 2X150MVA, 220/66KV POWER TRANSFORMER.				
DRG.NO.KPTCL/TECH/SS-220/KRP-1-R4		DATED:-19.03.2024		SCALE :- NTS
A.E DRN	A.E.E CHD	E.E SUB	S.E.E (TECH) REC	C.E.E (P&C) APPROVED



- 66KV BUS - COUPLER
- 66KV LINE BAY
- 66KV LINE BAY
- LM9 PROPOSED 150MVA, 220/66KV TR-1
- 66KV LINE BUKKANKERE
- 66KV LINE KR PET-2
- 66KV LINE BAY
- 66KV LINE KR PET-1
- PROPOSED 66KV LINE BAY
- 66KV LINE C.R. PATNA
- 66KV LINE SB HALLI/PT-1
- 66KV LINE MAHADESHWARAPURA
- PROPOSED 150MVA, 220/66/11KV TR-2 /PT-2
- 66/11KV TR.
- 100MVA, 220/66/11KV TR-3 (FUTURE)
- 66/11KV TR. (FUTURE)

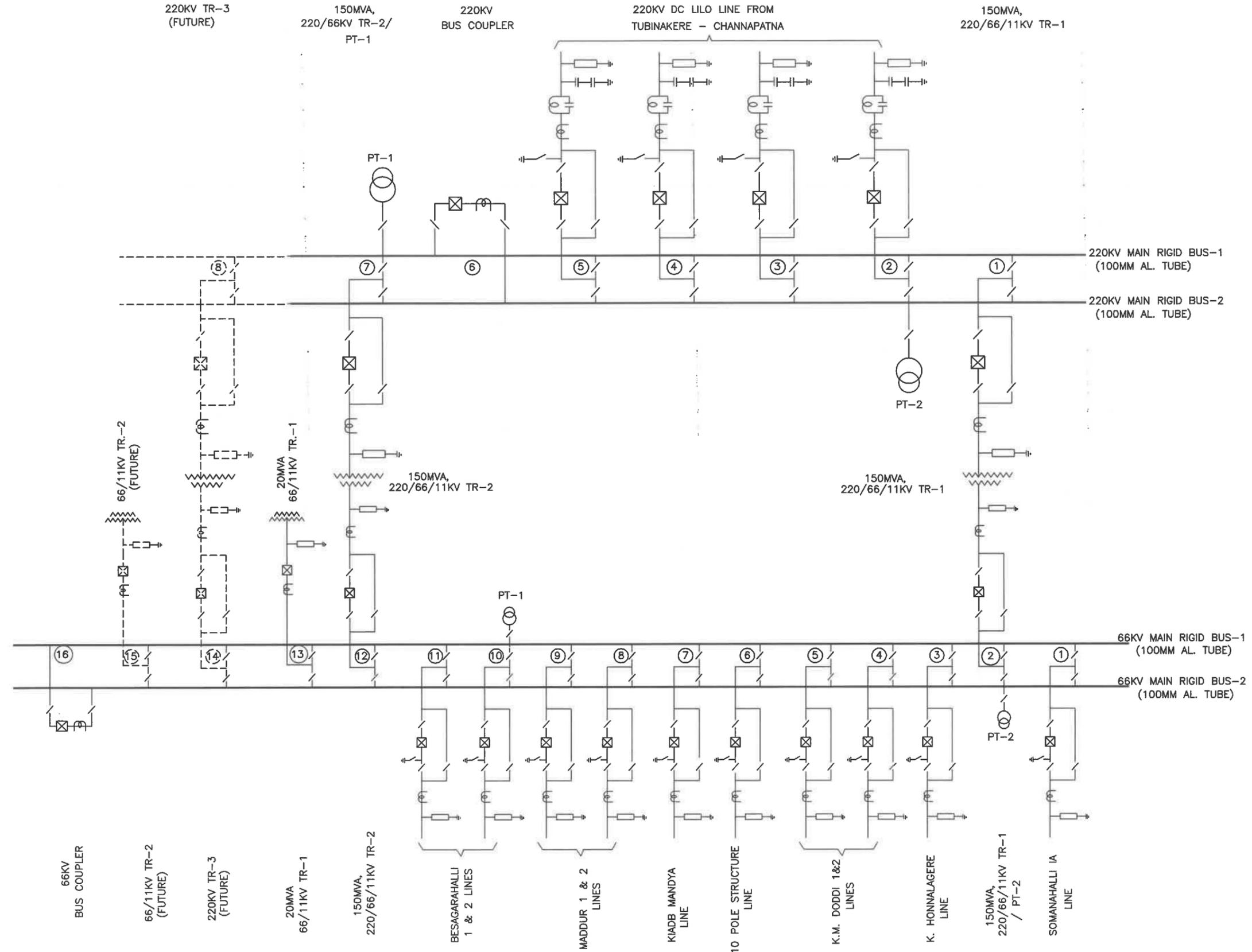
- NOTE:**
1. ALL DIMENSIONS ARE IN METRES.
 2. ALL NON-CURRENT CARRYING METALLIC PARTS ARE TO BE EARTHED & CONNECTED TO GROUND MAT.
 3. DOTTED LINE INDICATES EXISTING AND SOLID LINE INDICATES PROPOSED.
 4. WHILE INSTALLING THE EQUIPMENTS, CARE MAY BE ENSURED TO INSTALL THE BREAKER, CTS, ISOLATORS, LIGHTNING ARRESTORS IN LINE WITH SIMILAR EQUIPMENT OF ADJACENT BAYS.
 5. LIVE POINT HEIGHT OF ALL EQUIPMENT, JUMPS, SHALL MATCH WITH THAT OF EXISTING BAYS.
 6. THE NCT SHALL MATCH IN ALL RESPECT (i.e. Vk, lmag, Rct, etc.) WITH THE MAIN CTs PROVIDED FOR THE TRANSFORMER BAY.
 7. SOME OF THE EXISTING DETAILS ARE NOT SHOWN FOR CLARITY.

- WORK PROPOSAL:-**
1. EXISTING CIRCUIT BREAKER AND ISOLATOR ARE OF 1250A RATING CURRENT TRANSFORMER IS OF 1000-600 RATIO. HENCE, CIRCUIT BREAKER & ISOLATOR OF 2500A & 2000A. CURRENT TRANSFORMER OF 1600-1000 RATIO ARE PROPOSED ON LV SIDE OF PROPOSED 150MVA, 220/66/11KV TRANSFORMER AND 66KV BUS COUPLER BAY.
 2. THE PROPOSED CT AND ISOLATOR SHALL BE MOUNTED ON EXISTING STRUCTURES.
 3. THE NEW BREAKER OF RATING 2500A, 40KA ALONG WITH FOUNDATION SHALL BE PROVIDED FOR LV SIDE OF 150MVA, 220/66KV TRANSFORMER & 66KV BUS COUPLER BAY.
 4. THE REQUIRED MODIFICATION TO ACCOMMODATE 150MVA TRANSFORMER SHALL BE MADE.

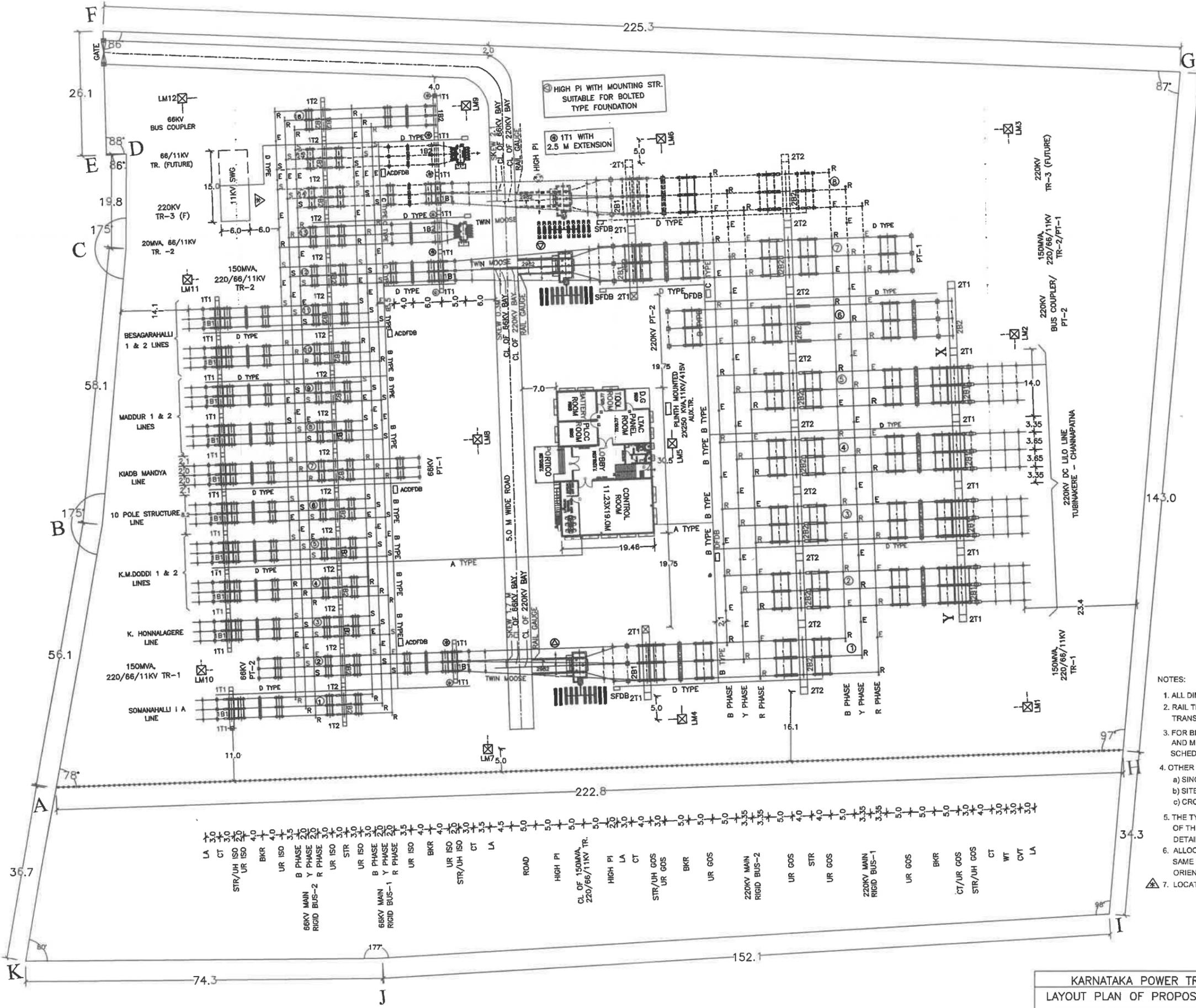
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
LAYOUT PLAN OF 220/66/11KV HUYOGANAHALLI S/S, K.R.PET TALUK & MANDYA DISTRICT. - AUGMENTATION OF 2X100MVA, 220/66KV POWER TRANSFORMER BY 2X150MVA, 220/66KV POWER TRANSFORMER.				
DRG. NO. KPTCL/ TECH/ SS-220/ KRP-4-R4		DATED:- 19.03.2024		SCALE :- N.T.S.
A.E	A.E.E	E.E	S.E.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED

4. 220/66/11 kV Maddur Substation

220KV Maddur

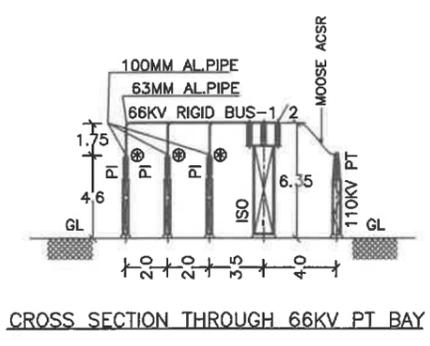
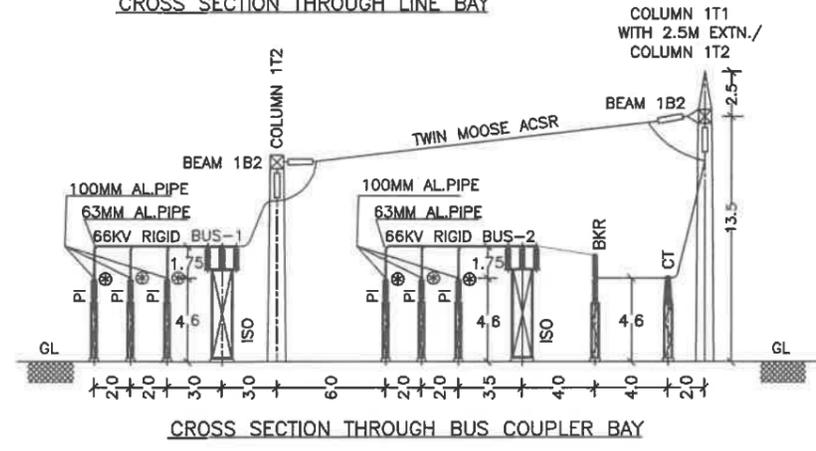
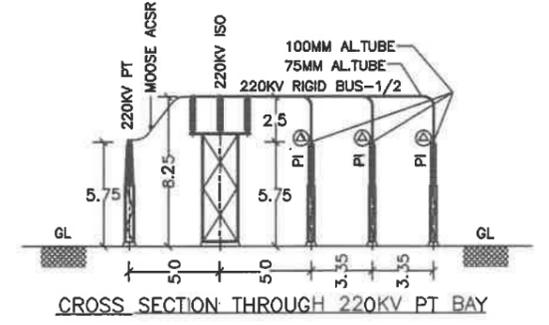
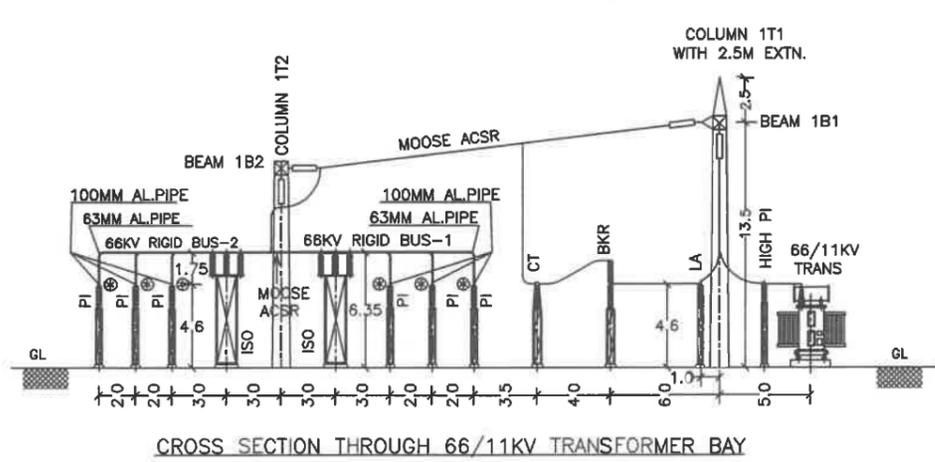
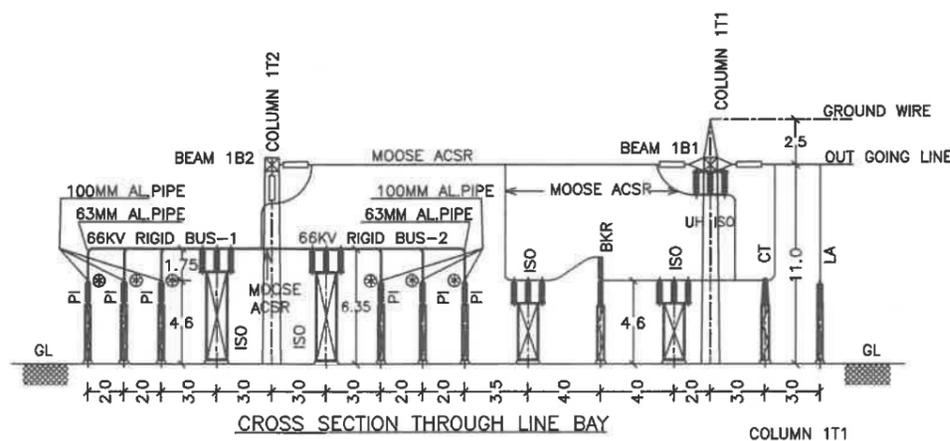
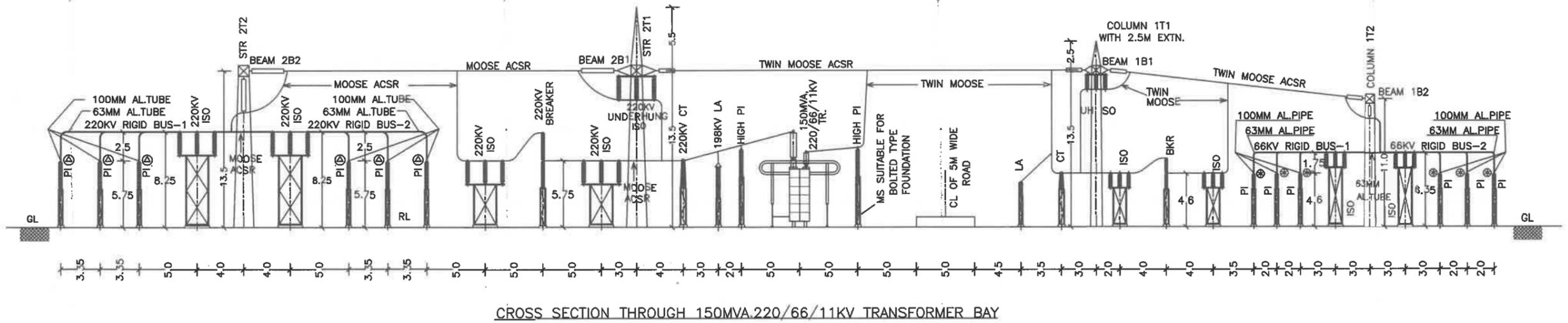
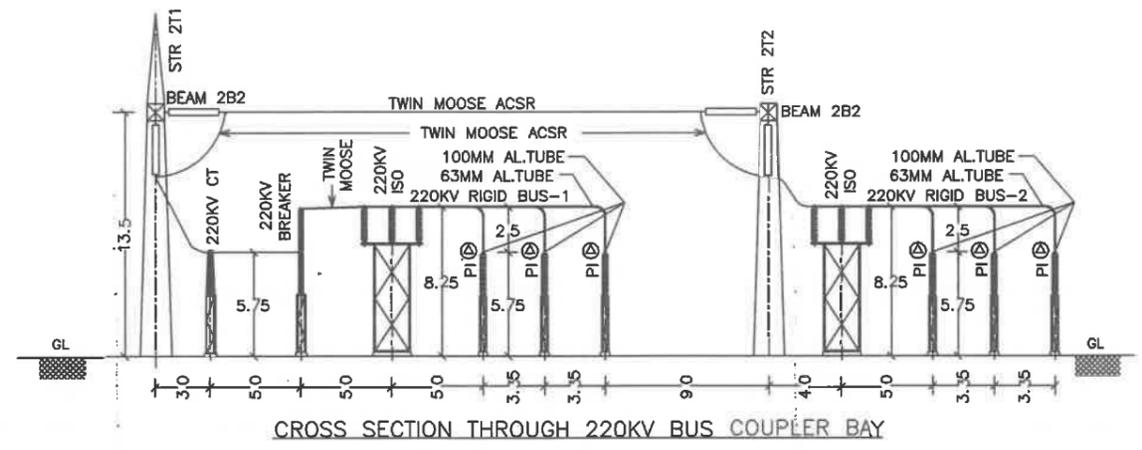
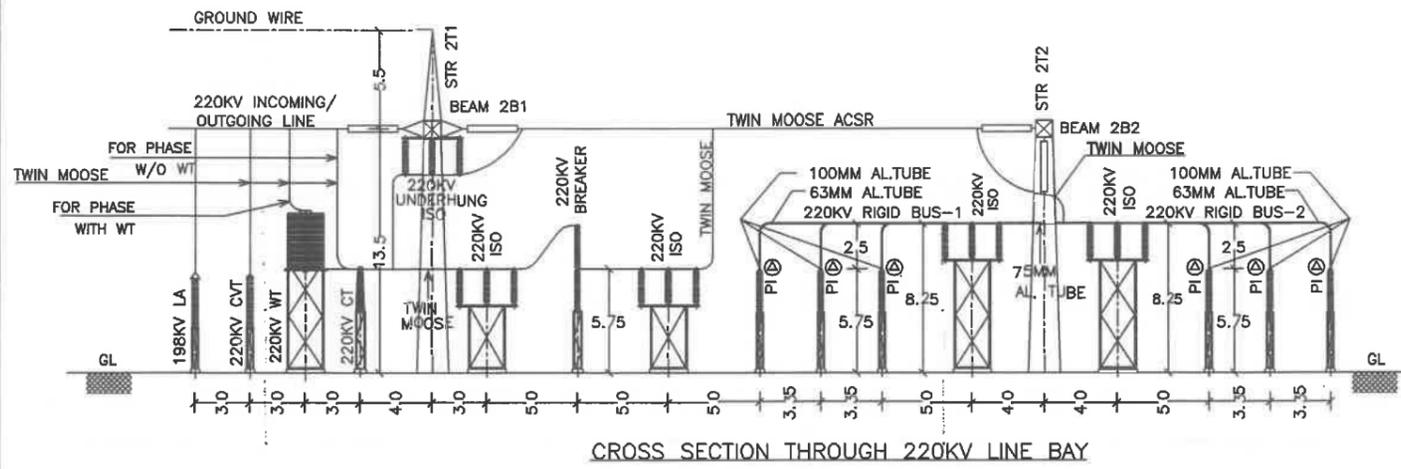


KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
SINGLE LINE DIAGRAM OF 220/66/11KV SUB STATION AT MADDUR (SOMANAHALLY AREA), MADDUR TALUK, MANDYA DIST.				
DRG.NO. KPTCL/TECH/SS-220/MDDR-1-R3 DATED:-07.11.2024			SCALE :- N.T.S	
A.E DRN	A.E.E CHD	E.E SUB	S.E.E (TECH) REC	C.E.E (P&C) APPROVED



- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. RAIL TRACKS ARE PROPOSED FOR MOVEMENT OF 220/66/11KV TRANSFORMERS FROM BED TO ROAD.
 3. FOR BILL OF MATERIALS OF EQUIPMENTS/ STATION STRUCTURES AND MOUNTING STRUCTURES REFER ANNEXURE - SCHEDULE OF REQUIREMENTS.
 4. OTHER REFERENCE DRAWINGS -
 - a) SINGLE LINE DIAGRAM
 - b) SITE PLAN
 - c) CROSS SECTION
 5. THE TYPICAL LAYOUT IS DEVELOPED FOR THE GENERAL GUIDANCE OF THE BIDDER REGARDING CONCEPT OF THE PROJECT. THE DETAILED DESIGN HAS TO BE FURNISHED BY THE BIDDER.
 6. ALLOCATION OF LINE BAYS ARE INDICATIVE ONLY. SAME SHALL BE FINALISED DURING EXECUTION AS PER ORIENTATION OF LINES
 7. LOCATION OF 11KV SWITCH GEAR IS INDICATIVE ONLY.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED				
LAYOUT PLAN OF PROPOSED 220/66/11KV SUB STATION AT				
MADDUR (SOMANAHALLY AREA), MADDUR TALUK, MANDYA DIST.				
DRG. NO. KPTCL/TECH/SS-220/MDDR-4-R3		DATED:-07.11.2024		SCALE :- N.T.S.
A.E	A.E.E	E.E	S.E.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED



⊖ INVERTED 'V' TAP
⊕ STRAIGHT TAP

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

CROSS SECTION THROUGH VARIOUS BAYS OF PROPOSED 220/66/11KV SUB-STATION AT MADDUR (SOMANAHALLY AREA) IN MADDUR TALUK, MANDYA DISTRICT.

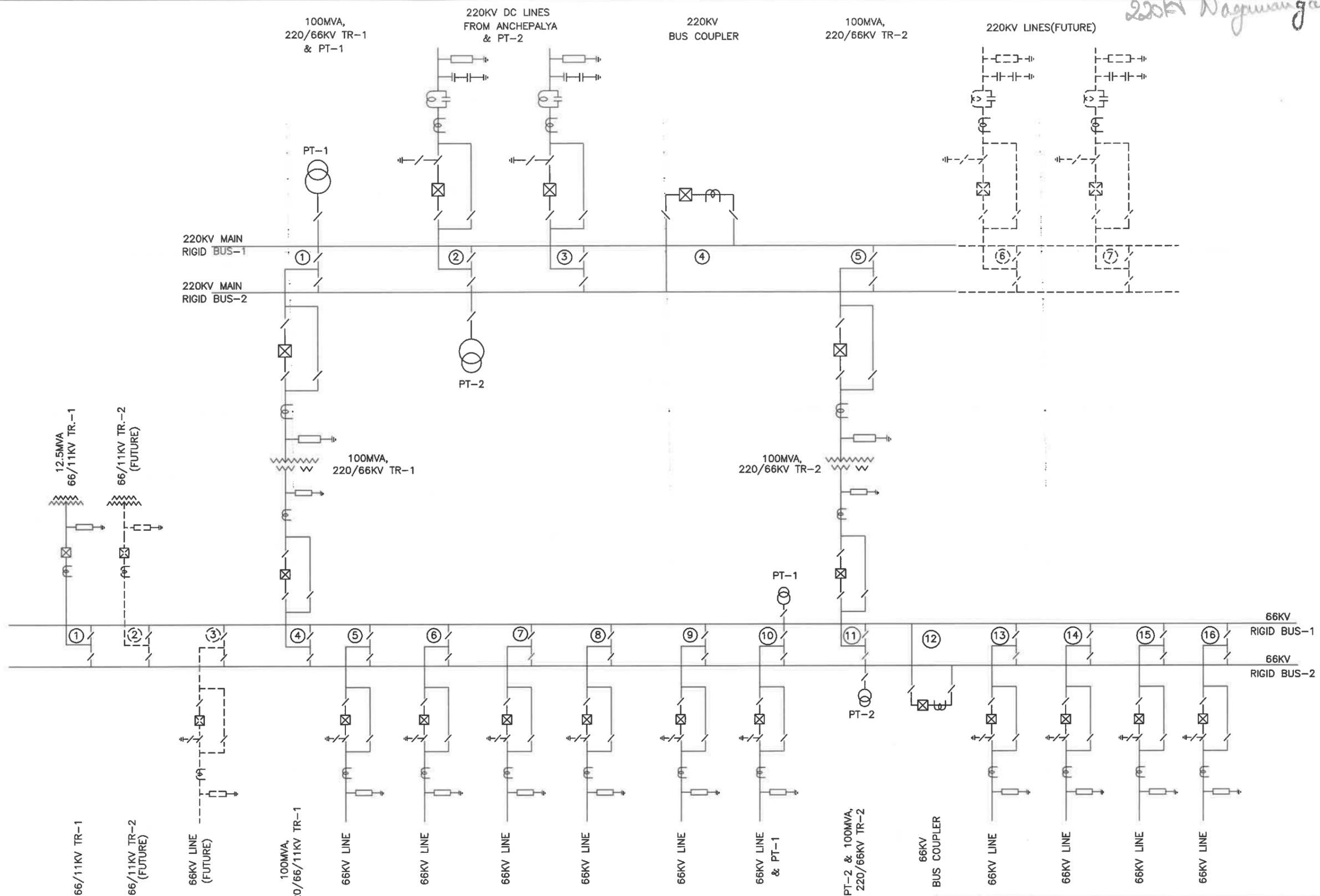
DRG. NO. KPTCL/TECH/SS-220/MDDR-5-R3 DATE:-07.11.2024 SCALE:- N.T.S

A.E	A.E.E	E.E	S.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED

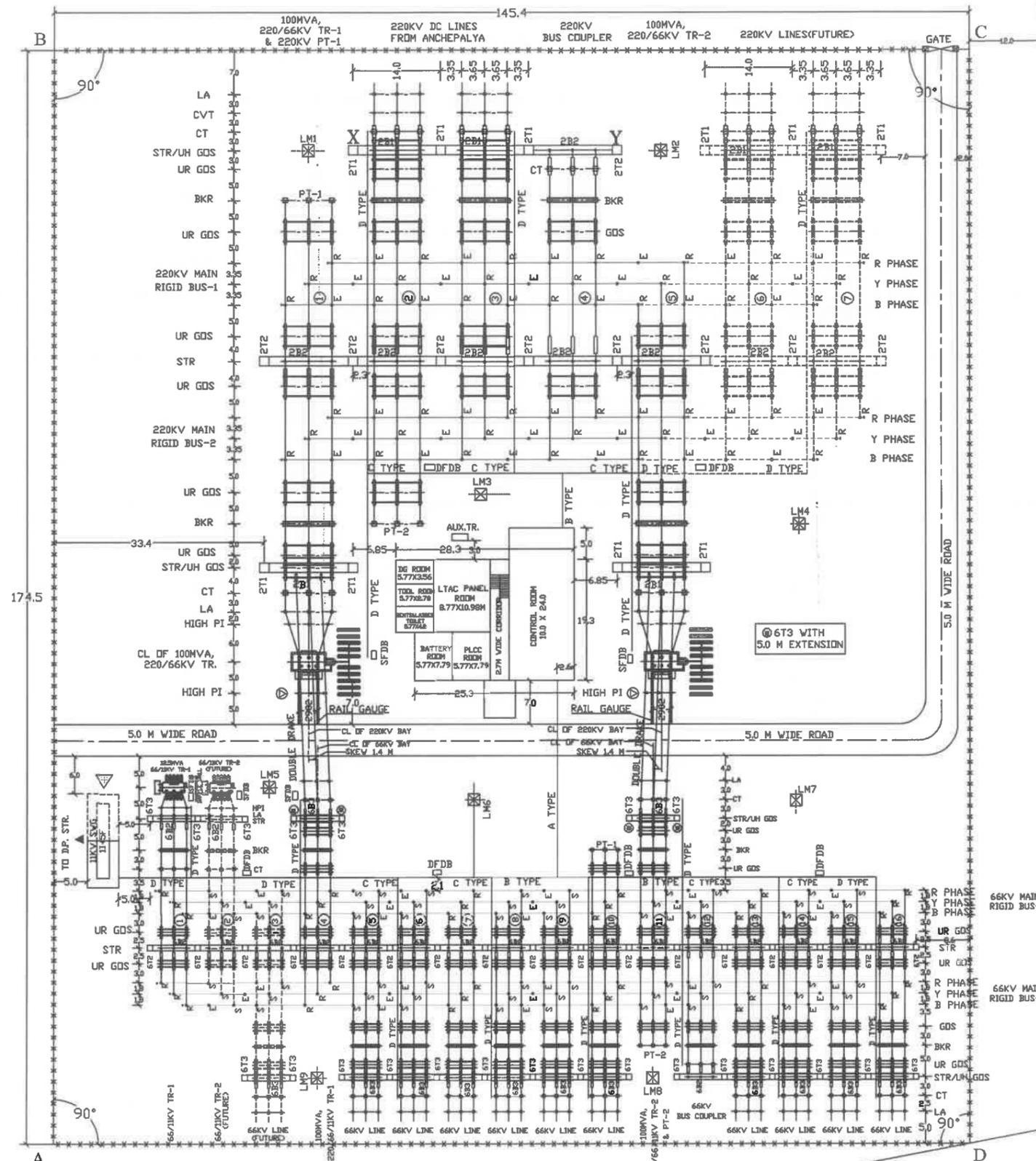
NOTE:- ALL DIMENSIONS ARE IN METRES.

5. 220/66 kV Nagamangala (Karadahalli) Substation

220KV Nagmanigala



R2	30.10.2019	ADDITIONAL 3 NOS. OF 66KV TERMINAL BAYS
R1	23.02.2019	REVISED DUE TO CHANGE IN ORIENTATION OF 220KV AND 66KV LINES
REVISION	DATE	
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED		
SINGLE LINE DIAGRAM OF 220/66KV SUB STATION AT KARADAHALLI, NAGAMANGALA TALUK, MANDYA DISTRICT.		
DRG.NO.KPTL/TECH/SS-220/NGML-1/R2 DATED:-30.10.2019		SCALE :- N.T.S
LAKSHMI DEVI.G	A.E.E	E.E
DRN	CHD	SUB
		S.E.E (TECH) REC
		C.E.E (P&C) APPROVED

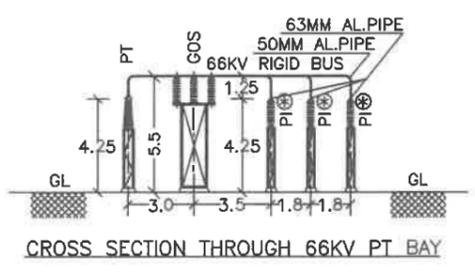
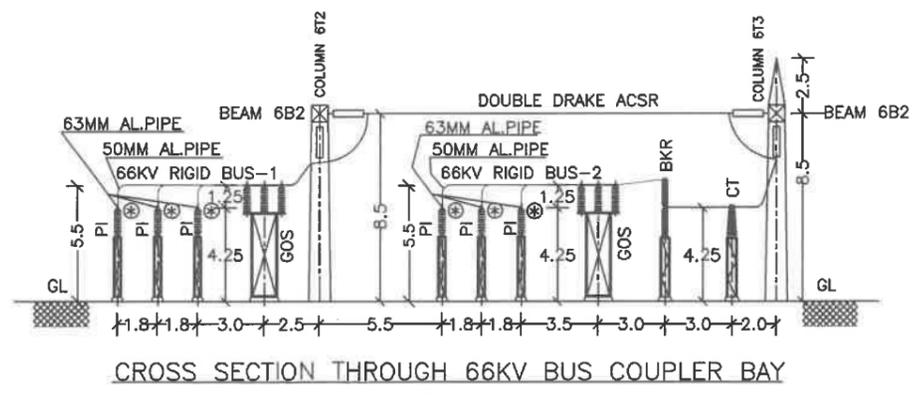
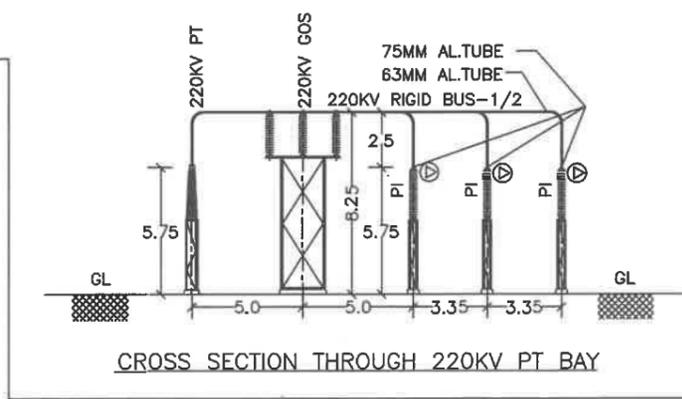
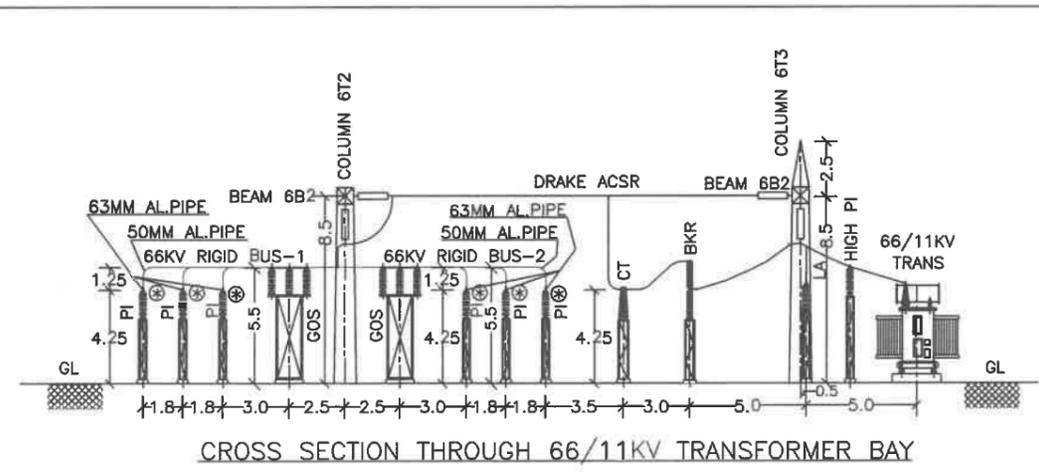
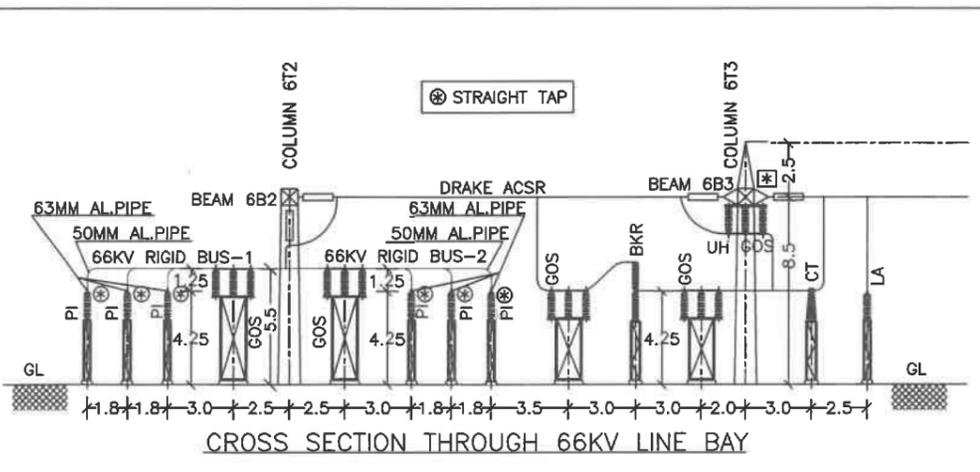
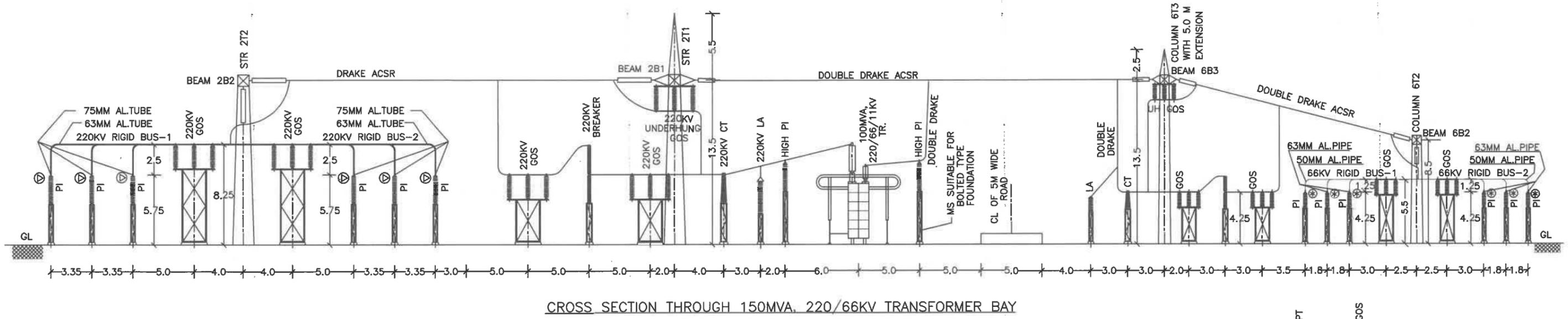
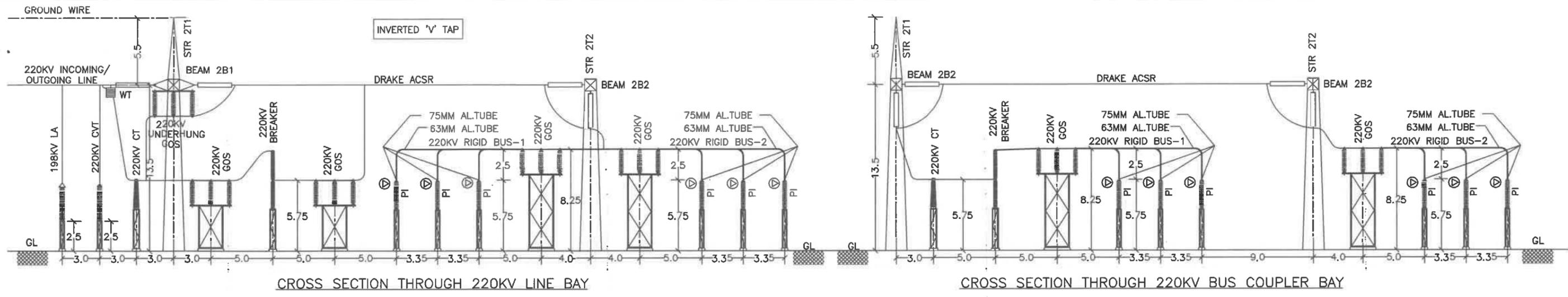


NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. RAIL TRACKS ARE PROPOSED FOR MOVEMENT OF 220/66/11KV TRANSFORMERS FROM BED TO EXISTING ROAD.
3. FOR BILL OF MATERIALS OF EQUIPMENTS/ STATION STRUCTURES AND MOUNTING STRUCTURES REFER ANNEXURE - SCHEDULE OF REQUIREMENTS.
4. OTHER REFERENCE DRAWINGS -
 - a) SINGLE LINE DIAGRAM
 - b) SITE PLAN
 - c) CROSS-SECTION.
5. THE TYPICAL LAYOUT IS DEVELOPED FOR THE GENERAL GUIDANCE OF THE BIDDER REGARDING CONCEPT OF THE PROJECT. THE DETAILED DESIGN HAS TO BE FURNISHED BY THE BIDDER.
6. ALLOCATION OF 220KV & 66KV LINE BAYS ARE INDICATIVE ONLY. SAME SHALL BE FINALISED DURING EXECUTION AS PER ORIENTATION OF LINES
7. LOCATION OF 11KV SWITCH GEAR IS INDICATIVE ONLY.

SHEET 1 OF 2

REVISION	DATE	DESCRIPTION		
R2	30.10.2019	ADDITIONAL 3 NOS. OF 66KV LINE TERMINAL BAYS		
R1	23.02.2019	REVISED DUE TO CHANGE IN ORIENTATION OF 220KV AND 66KV LINES		
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED DETAILED LAYOUT PLAN OF PROPOSED 220/66/11KV S/S AT KARADAHALLI, NAGAMANGALA TALUK, MANDYA DISTRICT.				
DRG. NO. KPTCL/	TECH/ SS-220/NGML-4/R2	DATED-30.10.2019	SCALE 1- N.T.S.	
LAKSHMI DEVI.G	A.E.E	E.E	S.E.E (TECH)	C.E.E (P&C)
DRN	CHD	SUB	REC	APPROVED



NOTE:-
ALL DIMENSIONS ARE IN METRES.

R2	30.10.2019	ADDITIONAL 3 NOS. OF 66KV LINE TERMINAL BAYS
R1	16.02.2019	REVISED DUE TO CHANGE IN ORIENTATION OF 220KV & 66KV LINES
REVISION	DATE	
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED		
CROSS SECTION THROUGH VARIOUS 220 & 66KV BAYS AT		
220/66KV S/S KARADAHALLI, NAGAMANGALA TALUK, MANDYA DISTRICT.		
DRG. NO.	KPTCL/SS-220/NGML-5/R2	DATE:-30.10.2019
SCALE:-	N.T.S	
LAKSHMI DEVI.G	A.E.E	E.E
DRN	CHD	SUB
	S.E (TECH)	C.E.E (P&C)
	REC	APPROVED

EARTHMAT FOR THE PROPOSED 220/66/11 KV STATION @ KARADAHALLI IN NAGAMANGALA TALUK, MANDYA DISTRICT.

IMPORTANT

* THE NO OF CAST IRON PIPE ELECTRODES SHALL BE PROVIDED AS PER GUIDELINES

* BEFORE EXECUTION PLEASE CAREFULLY GO THROUGH THE ENCLOSED GUIDELINES *

* ALL DIMENSIONS ARE IN METER

BTP

SALIENT DESIGN FEATURES

COVERED BY EARTHMAT IN SQ MTR	24353
THICKNESS OF BURIAL OF EARTHMAT IN MTR	0.9
SPACING BETWEEN MAT CONDUCTOR (M.S. FLAT) IN MTR	4
THICKNESS OF EARTHMAT CONDUCTOR (M.S.FLAT) IN MM	75 X 6 MM

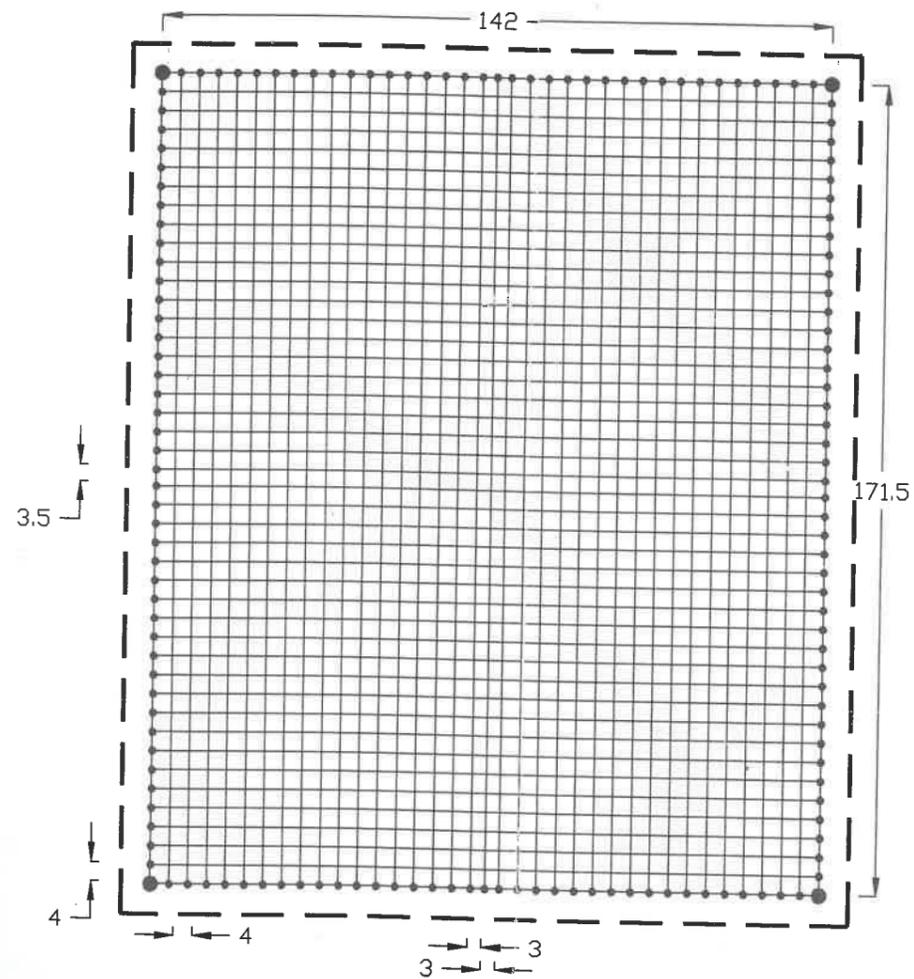
SPREADING OF GRANITE METAL JELLY OF SIZE 20/25 MM TO A HEIGHT OF 100 MM OVER THE ENTIRE EARTHMAT AREA.

BILL OF MATERIALS (APPROXIMATE QUANTITY) FOR EARTHMAT FORMATION & FENCING.

REF: 1) Letter no.: CEE(P&C)/SET/EET/AEE-7/KCO-108/8348/19-20/2258-66 dated: 03.05.2019 of CEE, P&C.

2) The Layout Drawing No.: KPTCL/TECH/SS-220/NGML-4/R1 dated: 23.02.2019 of CEE, P&C.

1. Excavation, formation, refilling	5955	Cmtr.
2. Material for formation of earthmat as per specification		
a) M.S. Flat 75 X 6 MM	13366	Mtr.
b) MS Round rods 25 mm dia, 1.05 Mt. long	154	No.
c) G.I. Flats 75 X 6 MM for earth connection	6450	Mtr.
d) Cast iron pipe electrodes of 100 mm Id, 13 mm thick, 2.75 mtr. long	109	No.
e) Spreading of Granite metal jelly of size 20/25 mm size to a height of 100 mm	2435	No.



NOTE: Designed by considering maximum fault current of the sub station as as 40kA i.e., 220kV class Circuit Breaker rupturing capacity.

FENCE SHALL BE AT A MINIMUM DISTANCE OF 1.5 METERS AWAY FROM THE PERIPHERY OF THE STATION EARTHMAT
 25 MM DIA M.S. ROUND RODS OF LENGTH ONE METER TO BE DRIVEN AS SHOWN
 ADDITIONAL C.I. PIPE ELECTRODES PROPOSED

R & D CENTRE, K P T C L		
DRG NO. SEE/R&D/EEE/KCO-126/F-149(12) Dtd. 24-5-2019		
AEE	EEE	SEE

Handwritten signatures and dates:
 24/5/19
 25/5/19
 25/5/19

6. 220/66/11 kV Tubinakere Substation

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