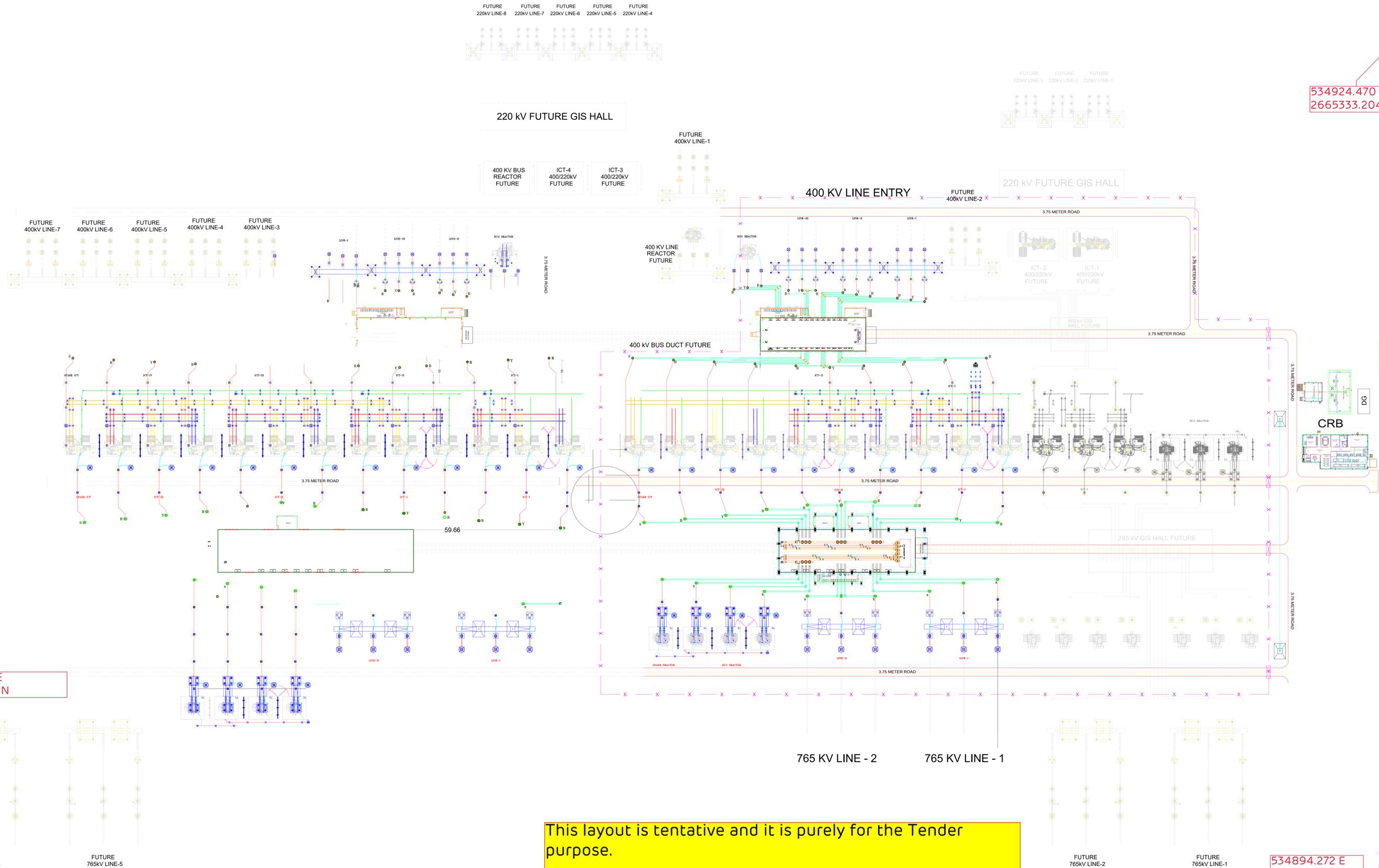


534252.000 E
2665370.000 N

Substation: 765/400/200kV KPS-1
Title: General arrangement Layout
CLIENT: AESL

534924.470 E
2665333.204 N

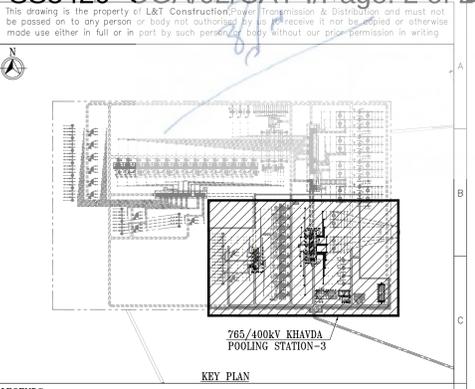
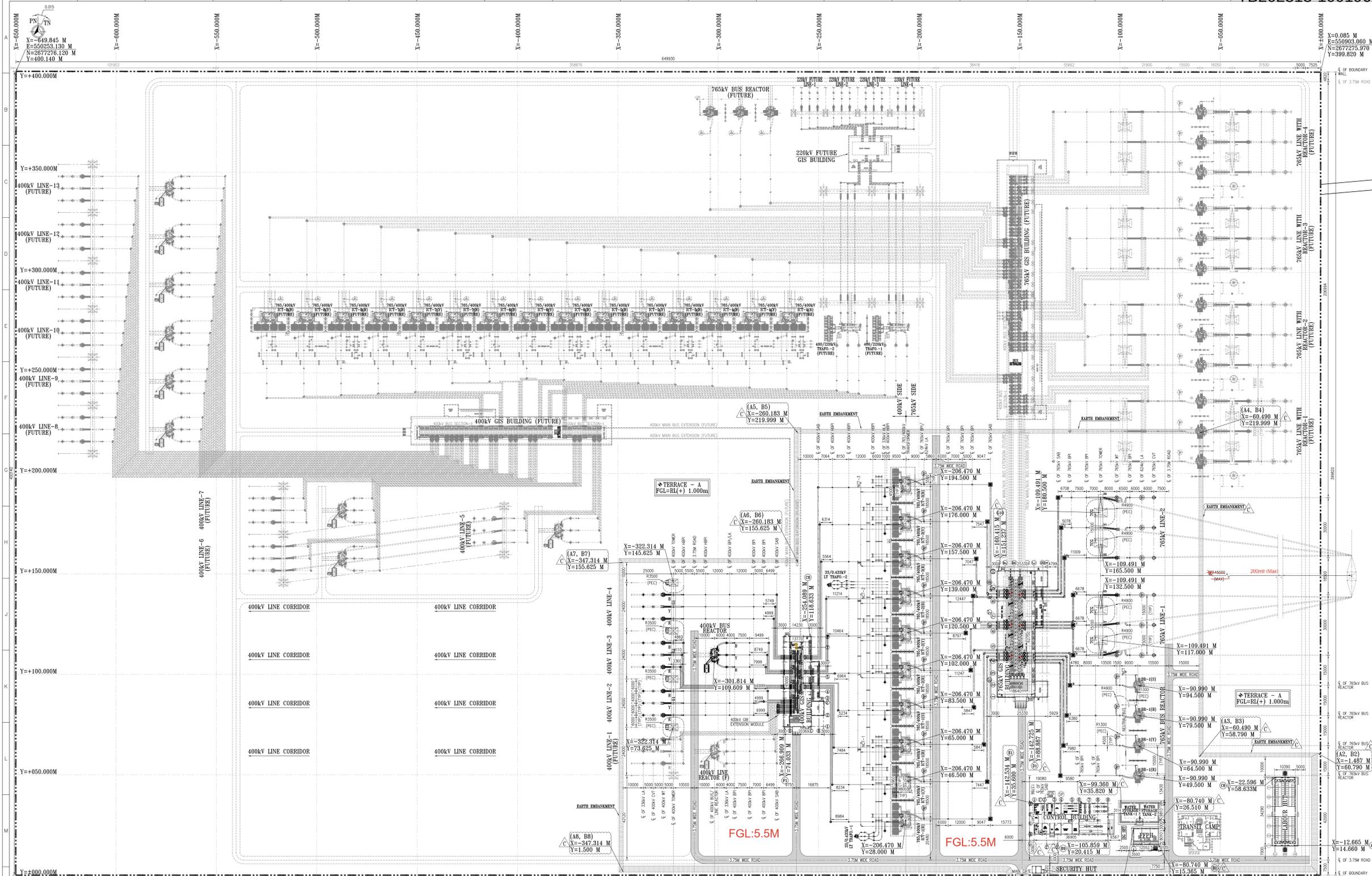


534253.028 E
2664925.737 N

534894.272 E
2664925.737 N

Bhuj 2nd D/c Line Gantry considering the connection in Bus section-II (Ref. 14th NCT meeting)

This layout is tentative and it is purely for the Tender purpose.
Location of Line gantry is tentative.



LEGENDS:-
--- PRESENT SCOPE
--- FUTURE/NOT IN SCOPE OF WORK
--- BOUNDARY WALL
--- GATE
--- FENCE
--- EARTH EMBARKMENT

PGCIL REFERENCE DRAWINGS:-
1. SOIL TEST LOCATION LAYOUT - 765/400/220kV KHAYDA POOLING S/S-3, DRG NO. C/ENG/TCB/SHABANGA/KPS3/GA
2. 400KV GIS SUBSTATION AT KHAYDA POOLING STATION-3 (KPS-3) - 400KV EQUIPMENT LAYOUT (PLAN & SECTION), DRG NO. 023012-E-15-SY-EL-0004
3. 765KV GIS SUBSTATION AT KHAYDA POOLING STATION-3 (KPS-3) - 765KV GIS BUILDING LAYOUT (PLAN & SECTION), DRG NO. 023012-E-15-SY-EL-0004
4. 765KV GIS SUBSTATION AT KHAYDA POOLING STATION-3 (KPS-3) - 400KV GIS BUILDING LAYOUT (PLAN & SECTION), DRG NO. 023012-E-15-SY-EL-0001

NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS & CO-ORDINATES ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
2. SYSTEM PARAMETERS:-

S.NO	SYSTEM PARTICULARS	765KV	400KV	132KV	66KV	33KV	30KV
1)	NOMINAL VOLTAGE	765kV	400kV	132kV	66kV	33kV	30kV
2)	HIGHEST SYSTEM VOLTAGE	800kV	420kV	145kV	72.5kV	35kV	36kV
3)	LINE WAVE POWER FREQUENCY WITHSTAND VOLTAGE (RMS)	830kV	430kV	145kV	72.5kV	35kV	36kV
4)	BASIC IMPULSE WITHSTAND VOLTAGE	2100kVp	1425kVp	650kVp	325kVp	162kVp	170kVp
5)	SHORT CIRCUIT LEVEL	50KA FOR 1s	25KA FOR 1s				
6)	NOMINAL CREEPAGE DISTANCE	(31mm/AV)	(31mm/AV)	(31mm/AV)	(31mm/AV)	(31mm/AV)	(31mm/AV)

3. MINIMUM CLEARANCES AS PER TECHNICAL SPECIFICATION:-

S.NO	DESCRIPTION	765KV	400KV	132KV	66KV	33KV	30KV
1)	FOR CONDUCTOR - CONDUCTOR CONFIGURATION	7000mm	6000mm	4000mm	3000mm	2000mm	2000mm
2)	FOR CONDUCTOR - CONDUCTOR CONFIGURATION	8400mm	4200mm	1300mm	750mm	530mm	320mm
3)	PHASE TO EARTH (PEE) FOR CONDUCTOR	4900mm	3000mm	1300mm	630mm	480mm	320mm
4)	STRUCTURE CLEARANCE (SC) FOR CONDUCTOR	10300mm	6500mm	4000mm	3100mm	3100mm	2800mm

4. CONDUCTOR DETAILS:-

S.NO	DESCRIPTION	765KV	400KV	132KV	66KV	33KV	30KV
1)	EQUIPMENT INTERSECTION	Ø 400 AL BELL / 4.5 P.S AL TUBE	Ø 400 BSMMS / 4.5 P.S AL TUBE	Ø 300 AL BELL / 3 P.S AL TUBE	Ø 200 AL BELL / 3 P.S AL TUBE	Ø 150 AL BELL / 3 P.S AL TUBE	Ø 150 AL BELL / 3 P.S AL TUBE
2)	EARTHING	700mm dia wire	700mm dia wire	700mm dia wire	700mm dia wire	700mm dia wire	700mm dia wire

5. LINE SIDE EQUIPMENTS SHALL BE SHIFTED TO MEET THE NECESSARY CLEARANCE AS PER DEAD END TOWER LOCATION AND SAME SHALL BE CONFIRMED WITH M/S. PGCIL SITE INCHARGE.
6. 765/400KV TRANSFORMER, BUS REACTOR AND LINE REACTOR ARE NOT IN L&T SCOPE OF SUPPLY.
7. 400KV BUS REACTOR IS UNDER PRESENT SCOPE OF SUPPLY. 400KV LINE REACTOR ARE NOT IN L&T SCOPE OF SUPPLY.
8. 765KV & 400KV MAIN BUS TRAP SHALL BE PROVIDED IN 765KV & 400KV PHASES.
9. A SUPPLY IS DERIVED FROM TERTIARY LANDING OF 2# 500MVA, 765/400KV TRANSFORMER.
10. EQUIPMENT/OUTLINE MUST BE PROVIDED FOR DIRECT STRIKE LIGHTNING PROTECTION SHALL BE SHOWN IN SEPARATE DRAWING. SAME SHALL BE SUBMITTED AFTER FINALIZATION OF OVERALL LAYOUT.
11. FOUNDATION OF 765KV GIS BUS REACTOR AND 400KV BUS REACTOR FOUNDATION FOR BAYS UNDER PRESENT SCOPE OF WORK SHALL BE CONSTRUCTED BY M/A. L&T.
12. HEIGHT OF 400KV S/S TO AIR BUSHING IS INDICATIVE AND SAME SHALL BE CONFIRMED AS PER GIS MANUFACTURER DRAWING.
13. 765/400KV TRANSFORMER TERTIARY, TERTIARY SWITCHING AND NEUTRAL ARRANGEMENT IS TENTATIVE ONLY. SAME SHALL BE FINISHED UP AS PER ACTUAL TRANSFORMER DRAWING FROM M/A. PGCIL.
14. 765KV BUS REACTOR NEUTRAL ARRANGEMENT SHOWN IS INDICATIVE ONLY. ARRANGEMENT SHALL BE FINISHED UP AS PER ACTUAL TRANSFORMER & REACTOR DRAWING FROM M/A. PGCIL.
15. 765KV & 400KV GIS INSULATED BUS DUCT QUANTITY IS TENTATIVE ONLY. EXACT QUANTITY SHALL BE FINISHED UP AS PER GIS MANUFACTURER DRAWING.
16. 765KV & 400KV GIS INSULATED BUS DUCT QUANTITY IS TENTATIVE ONLY. EXACT QUANTITY SHALL BE FINISHED UP AS PER GIS MANUFACTURER DRAWING.
17. TRANSIT CAMP LOCATION SHALL BE CONFIRMED BY M/A. PGCIL. CONSTRUCTION OF TRANSIT CAMP IS NOT IN L&T SCOPE.
18. 765KV & 400KV TRANSFORMER & REACTOR DRAWING FROM M/A. PGCIL.
19. 765KV & 400KV TRANSFORMER & REACTOR DRAWING FROM M/A. PGCIL.
20. SECURITY BOUND AND ENTRANCE SHALL BE PROVIDED BY THE POOL AS PER THE APPROPRIATE ROAD CONNECTION TO PPS-3.

FGL within Area marked as Earth Embarkment Shall be 5.5M

REVISIONS

REV. NO.	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
C	REVISED INLINE WITH POOL COMMENTS DATED 10.05.23				
B	REVISED INLINE WITH POOL COMMENTS DATED 24.04.23				
A	ISSUED FOR APPROVAL				

CONTRACTOR: **L&T Construction**
POWER TRANSMISSION & DISTRIBUTION
CLIENT: **POWER GRID CORPORATION OF INDIA LIMITED**
(A GOVERNMENT OF INDIA ENTERPRISE)
CONSULTANT: **L&T Construction**
PROJECT: (a) SUBSTATION PACKAGE SS01 FOR (1) 765KV KPS-3 NEW GIS S/S AND (ii) EXTN. OF 765KV KPS-2 GIS S/S ASSOCIATED WITH ESTABLISHMENT OF KHAYDA POOLING STATION-3 (KPS-3) IN KHAYDA RE PARK THROUGH TBCB ROUTE
LOA NO: CC/7/W-GIS/DOM/408/23/01198/NOA-1/23-100376/01 DT. 27-03-23
(b) 400KV GIS SUBSTATION PACKAGE SS02 FOR 400KV GIS AT KPS-3 S/S ASSOCIATED WITH ESTABLISHMENT OF KHAYDA POOLING STATION-3 (KPS-3) IN KHAYDA RE PARK THROUGH TBCB ROUTE
LOA NO: CC/7/W-GIS/DOM/400/23/01197/NOA-1/23-100378/01 DT. 27-03-23
023012-E-15
TITLE: **765/400kV GIS S/S AT KHAYDA POOLING STATION-3 (KPS-3) OVERALL EQUIPMENT LAYOUT (PLAN & SECTION)**
SCALE: 1:700
PROJECTION:
CHECKED BY: _____ SIGN: _____ DATE: _____
ARCHITECTURE: _____
CIVIL & STRUCTURAL: _____
PLUMBING & SANITARY: _____
MECHANICAL: _____
ELECTRICAL: _____
INSTRUMENTATION: _____
DRG No. **023012-E-15-0002-01** SIZE: A0 REV: C
RELEASED FOR: PRELIMINARY TENDER INFORMATION APPROVAL CONSTRUCTION
SHEET 01 OF 01

765KV BUS DUCT (1-PHASE DUCT) BOQ:-

S.NO	BAY NAME	UNIT	HORIZONTAL QUANTITY	VERTICAL QUANTITY	RAY WISE QUANTITY	BFS QUANTITY	BFS REF. NO.
01	765KV ICT-1	T	82.60	-	-	-	-
		Y	67.30	-	-	-	-
		S	40.10	1125.00	-	-	-
02	765KV ICT-2	T	34.00	-	-	-	-
		Y	19.55	-	-	-	-
		B	24.80	-	-	-	-
03	765KV BUS REACTOR	R	56.85	-	-	-	-
		Y	45.05	-	-	-	-
		S	33.25	1125.00	-	-	-
04	765KV LINE-1	T	34.00	-	-	-	-
		Y	19.55	-	-	-	-
		B	24.80	-	-	-	-
05	765KV ICT-3	Y	40.72	-	-	-	-
		R	56.12	-	-	-	-
		B	34.00	-	-	-	-
06	765KV LINE-2	Y	45.82	-	-	-	-
		B	57.62	-	-	-	-
		TOTAL	873.338				

400KV BUS DUCT (1-PHASE DUCT) BOQ:-

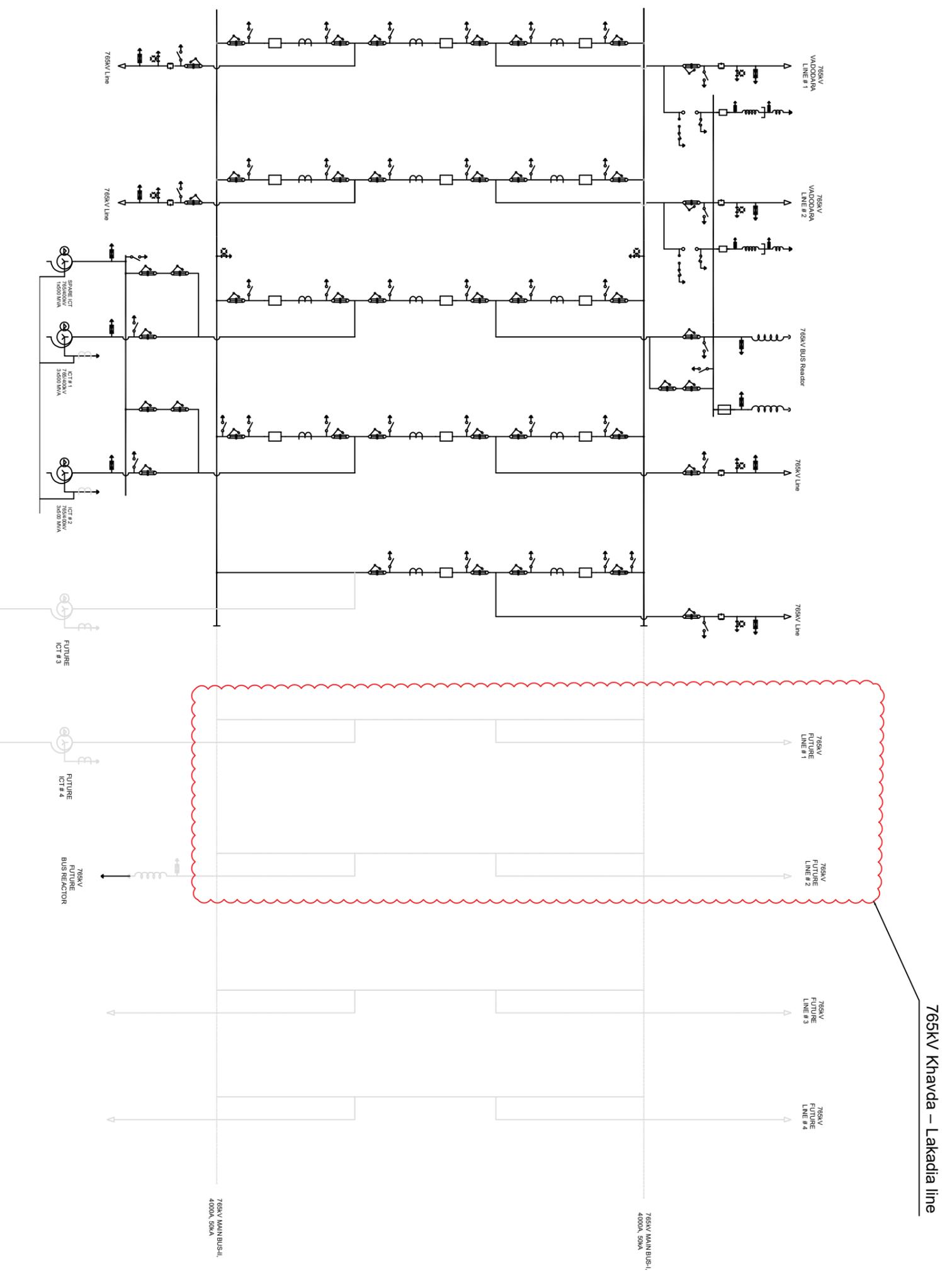
S.NO	BAY NAME	UNIT	HORIZONTAL QUANTITY	VERTICAL QUANTITY	RAY WISE QUANTITY	BFS QUANTITY	BFS REF. NO.
01	400KV LINE-1	T	3.00	-	-	-	-
		Y	3.00	-	-	-	-
		B	3.00	-	-	-	-
02	400KV LINE REACTOR	R	3.00	-	-	-	-
		Y	3.00	-	-	-	-
		B	3.00	-	-	-	-
03	400KV LINE-2	T	14.00	-	-	-	-
		Y	10.00	-	-	-	-
		B	76.00	-	-	-	-
04	400KV ICT-1	T	59.00	-	-	-	-
		B	42.00	-	-	-	-
		S	27.00	-	-	-	-
05	400KV LINE-3	Y	62.00	-	-	-	-
		Y	66.50	-	-	-	-
		B	71.00	-	-	-	-
06	400KV ICT-2	R	11.50	-	-	-	-
		Y	25.00	-	-	-	-
		B	43.00	-	-	-	-
07	400KV BUS REACTOR	R	12.00	-	-	-	-
		Y	16.50	-	-	-	-
		B	21.00	-	-	-	-
08	400KV ICT-3	R	53.00	-	-	-	-
		Y	70.00	-	-	-	-
		B	87.00	-	-	-	-
09	400KV LINE-4	Y	25.00	-	-	-	-
		Y	29.50	-	-	-	-
		B	34.00	-	-	-	-
TOTAL		886.500					

765KV OUTDOOR EQUIPMENTS:-

S.NO	SYMBOLS	DESCRIPTION	BFS REF. NO.	UOM	BFS QUANTITY	ACTUAL QUANTITY
1	⊗	315DA 100H SIDA FOR 1 SEC. 400KV WAVE TRAP	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	04	04
2	⊗	624KV, 20KA SURGE ARRESTER (1-PHASE)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	20	20
3	⊗	765KV 4400V CAPACITIVE VOLTAGE TRANSFORMER (1-PHASE)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	06	06
4	⊗	765KV, 800V POST INSULATOR (EXCLUDING WT)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	70	47
5	⊗	765KV 100KV POST INSULATOR (FOR WT)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	12	12

400KV OUTDOOR EQUIPMENTS:-

S.NO	SYMBOLS	DESCRIPTION	BFS REF. NO.	UOM	BFS QUANTITY	ACTUAL QUANTITY
1	⊗	315DA 0.5mH SIDA FOR 1 SEC. 400KV WAVE TRAP	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	06	06
2	⊗	336KV, 20KA SURGE ARRESTER (1-PHASE)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	22	22
3	⊗	400KV 4400V CAPACITIVE VOLTAGE TRANSFORMER (1-PHASE)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	09	09
4	⊗	400KV, 800V POST INSULATOR (EXCLUDING WT)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	80	66
5	⊗	400KV, 100KV POST INSULATOR (FOR WT)	TRB/765V/KHAYDA/PCS/23/02/SCH-2, SMO-150	NOS.	18	18



765kV Khavda – Lakadia line

Adoni Transmission Limited	
SPV : WRSS-21(A) Transco Limited (MPL)	
ESTABLISH TRANSMISSION SYSTEM FOR WESTERN REGION STRATEGIC SCHEME - 21 (WRSS-21)	
(WRSS-21) PART - A- TRANSMISSION SYSTEM STRATEGIC SCHEME FOR RELIABLE OVER LOADERS OBSERVED IN GUJARAT	
MTRV-SITE SYSTEM DUE TO BE INSTALLED IN BRHU PS	
SUBSTATION	765/400KV LAKADIA SUBSTATION
TITLE	S/D OF 765/400KV LAKADIA SUBSTATION
PREPARED BY:	DRAWING NO:
ATL/ENGC/TBCB/Lakadia SS-Extn/S/D.	

SYSTEM PARAMETERS:

SL No	DESCRIPTION	765KV
1.0	RATED VOLTAGE	765KV
2.0	RATED SYSTEM VOLTAGE	800 KV rms
3.0	RATED FREQUENCY	50 Hz
4.0	MAX. FAULT LEVEL (1 Sec)	50 KA
5.0	RATED 1 MIN POWER REC. WITHSTAND VOLTAGE	530 KV rms
6.0	RATED SWITCHING IMPULSE VOLTAGE (DRY & WET)	1550 KV p
7.0	FULL WAVE IMPULSE WITHSTAND VOLTAGE	2100 KV p
8.0	MINIMUM CREEPAGE DISTANCE	24800 mm
9.0	SYSTEM EARTHING	EFFECTIVELY EARTH

800KV CVT CORE DETAILS (TABLE -1A):

PARTICULARS	SECONDARY-1	SECONDARY-2	SECONDARY-3
RATED SECONDARY VOLTAGE (V)	110.43	110.43	110.43
APPLICATION	PROTECTION	PROTECTION	METERING
ACCURACY	0.5%P	0.5%P	0.2
OUTPUT BURDEN(MVA)	50 VA	50 VA	50 VA
VOLTAGE RATIO	765/0.11	765/0.11	765/0.11

800 KV CT (3000A) CORE DETAILS (TABLE -1IA):

CORE NO	APPLICATION	CURRENT RATIO	OUTPUT BURDEN(MVA)	ACCURACY CLASS	MIN. NBR VOLT. (V)	MAX. CT CAP. (pF)	MAX. EXCITING CUR. (A)
01	BUS DIFFERENTIAL	3000/1	2000/1	PX	3000/1	15	20 on 3000V TAP
02	BUS DIFFERENTIAL	3000/1	2000/1	PX	3000/1	23	20 on 3000V TAP
03	METERING	3000/1	2000/1	0.2S	3000/1	23	20 on 3000V TAP
04	METERING	3000/1	2000/1	0.2S	3000/1	23	20 on 3000V TAP
05	TRANSFORMER PROTECTION	3000/1	2000/1	PX	3000/1	23	20 on 3000V TAP
06	LINE PROTECTION	3000/1	2000/1	PX	3000/1	23	20 on 3000V TAP

NOTE : 1. PROTECTION CORES SHALL BE OF ACCURACY CLASS PX AS PER IEC 61889.
2. METERING CORE SHALL BE OF ACCURACY CLASS 0.2S AS PER IEC 61889.

BOM:

ITEM CODE	DESCRIPTION	ACTUAL QTY.	SYMBOL
1	765KV 3150A 50KA SF6 CIRCUIT BREAKER WITH G.O. (SBS) RESISTOR (13-PM)	2 SETS	CB
2	63KV SURGE ARRESTER 1-PM	6 NOS.	SA
3	765KV 3000A 50KA 17KV CURRENT TRANSFORMER @ CONC/20% EXCITING CURR (14-PM)	6 NOS.	CT
4	SWITCH (13-PM)	4 SETS	SW
5	765KV 50KA 800V # COMPENSATE VOLTAGE TRANSFORMER VOLTAGE RATIO: 765/1 (1-PM)	6 NOS.	VT
6	765KV 3150A 10KV 50KA LINE TAP	4 NOS.	LT

REFERENCE DRAWINGS:

1. TENDER SINGLE LINE DIAGRAM - 765KV (DWG NO: CE/ENG-SS/765KV/SLS.D REV-A)

LEGENDS:

— PRESENT SCOPE
- - - EXISTING / FUTURE

REVISAS PER COMMENTED VIA MAIL DATED 01.10.19

REV	DESCRIPTION	PREP. CHKD. APPD.	DATE
1	SECOND SUBMISSION	AM BS	21.10.19
0	FIRST SUBMISSION	AM BS	26.09.19

OWNER: **adani** ADANI TRANSMISSION LTD.
AHMEDABAD, GUJARAT, INDIA

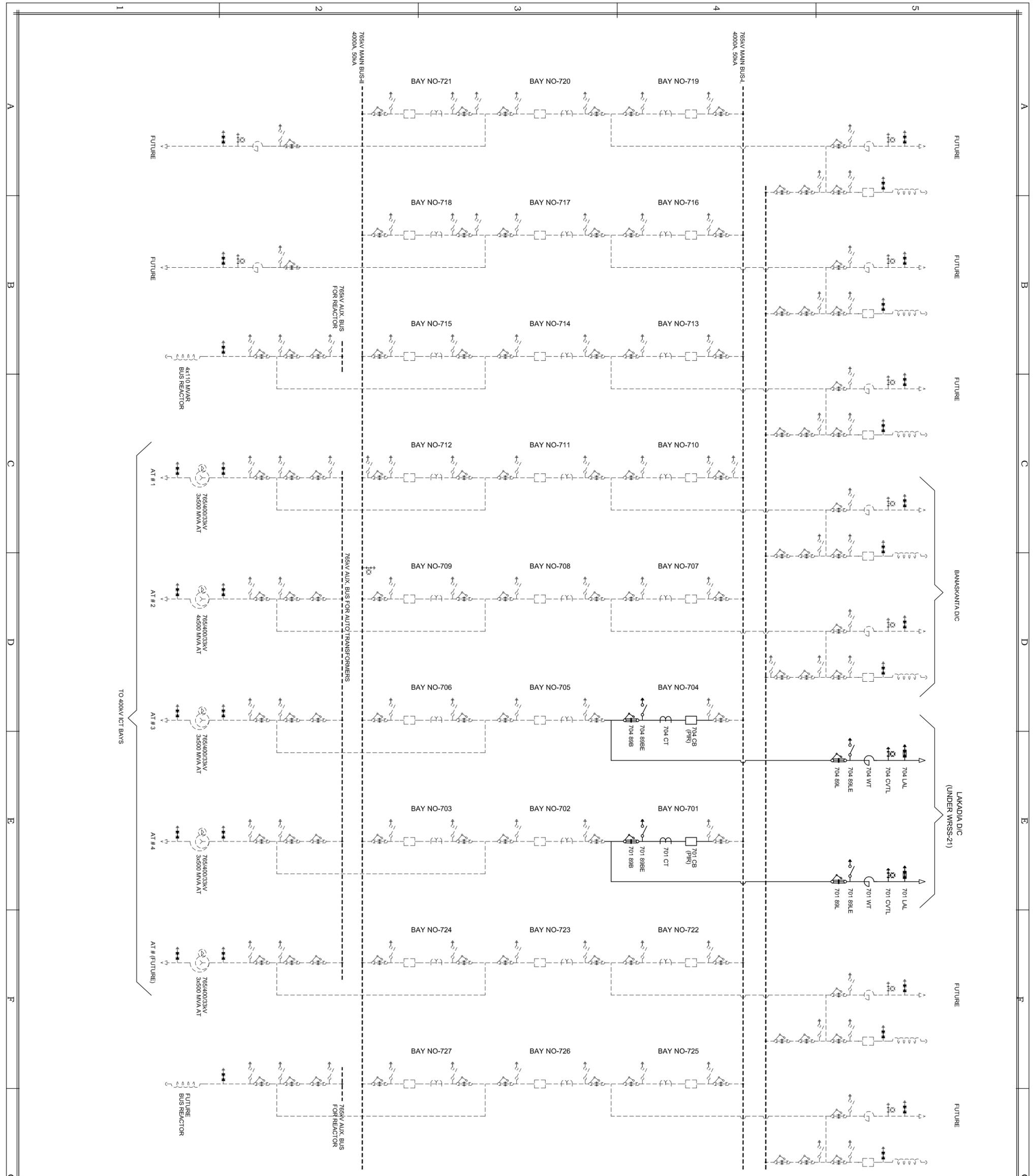
EPC: **Techno Electric & Engg. Co. Ltd.**
ENGINEERS & CONSTRUCTORS
KOLKATA, INDIA

NOA NO. AGREEMENT DATED: 09.09.2019

PROJECT: SUPPLY, ETC INCLUDING CIVIL WORKS FOR 765/400KV SUBSTATION AT LAKADIA AND 765KV BAY EXTENSION AT BHUL

SUBSTATION: EXTENSION OF 765/400/220KV BHUL POOL SUBSTATION

DRG. TITLE: SINGLE LINE DIAGRAM
DRG. NO.: 0758BH_BHUL_SWD_E_DRG_41_001
SCALE: NTS JOB NO. 0758BH 01 OF 01



765KV MAIN BUS-1
4000A, 50KA

765KV MAIN BUS-2
4000A, 50KA

765KV AUX. BUS FOR REACTOR
4x110 MVAR BUS REACTOR

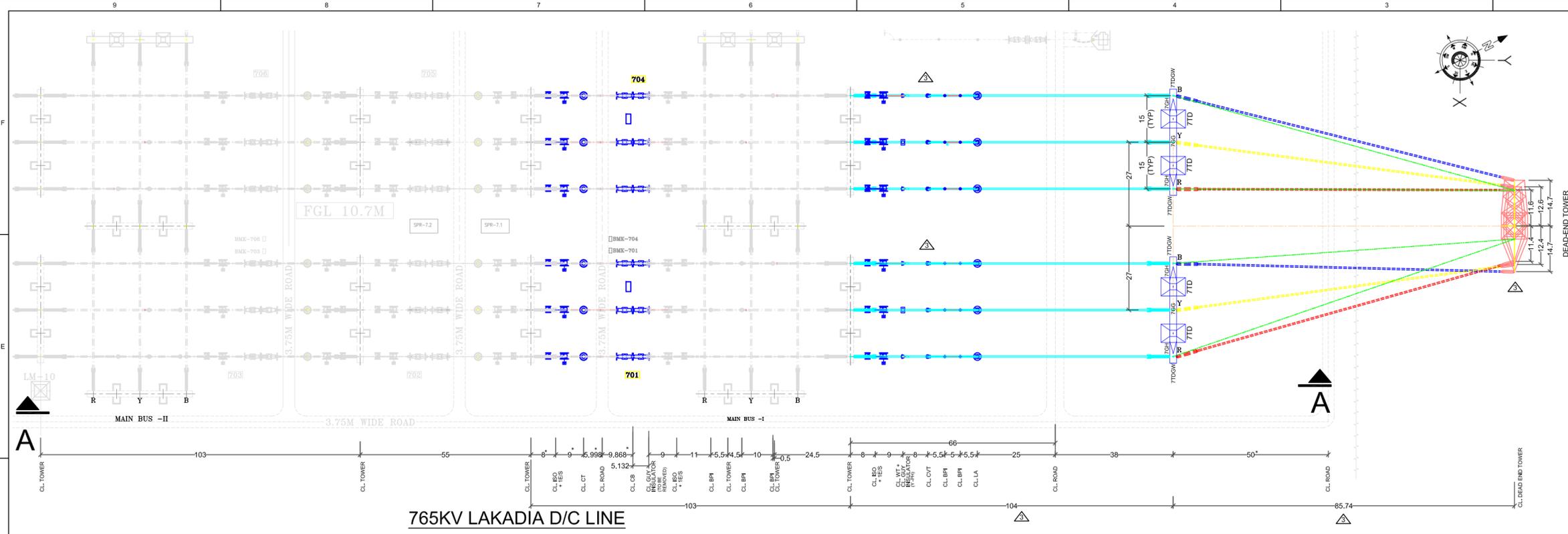
765KV AUX. BUS FOR AUTO-TRANSFORMERS

765KV AUX. BUS FOR REACTOR

765KV AUX. BUS FOR REACTOR

TO 400KV ICT BAYS

FUTURE



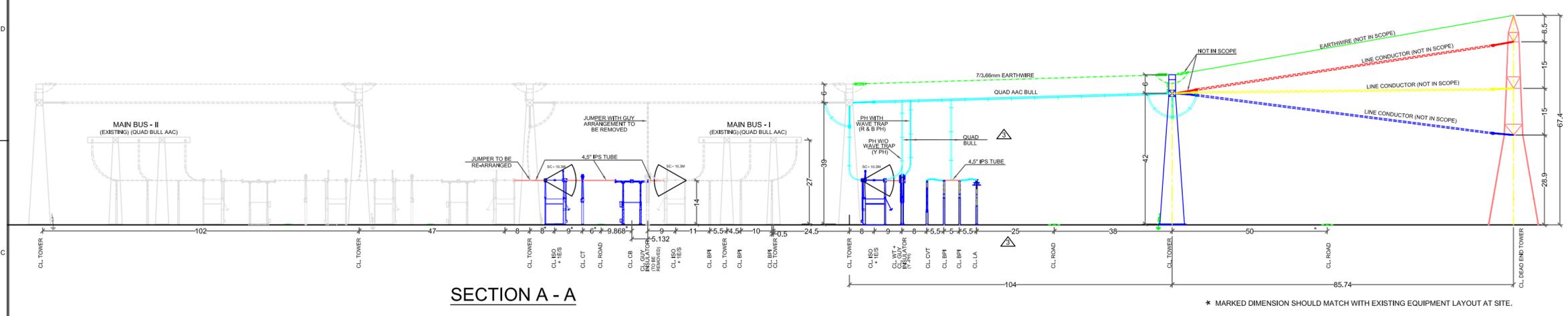
SYSTEM PARAMETERS:

SL No	DESCRIPTION	765KV
1.0	RATED VOLTAGE	765 KV
2.0	HIGHEST SYSTEM VOLTAGE	800 KV rms
3.0	RATED FREQUENCY	50 Hz
4.0	MAX. FAULT LEVEL (1 Sec.)	50 KA
5.0	RATED 1 min POWER FREQ. WITHSTAND VOLTAGE	830 KV rms
6.0	RATED SWITCHING IMPULSE VOLTAGE (DRY & WET)	1550 KVp
7.0	FULL WAVE IMPULSE WITHSTAND VOLTAGE	2100 KVp
8.0	MINIMUM CREEPAGE DISTANCE	24800 mm
9.0	SYSTEM EARTHING	EFFECTIVELY EARTH

CLEARANCE TABLE AS PER SPEC:-

Sl.No.	DESCRIPTION	765KV SYSTEM
1	PHASE TO PHASE FOR CONDUCTOR-CONDUCTOR CONFIGURATION FOR ROD-CONDUCTOR CONFIGURATION	7600mm
2	PHASE TO EARTH FOR CONDUCTOR-CONDUCTOR STRUCTURE FOR ROD-CONDUCTOR CONFIGURATION	4900mm
3	SECTIONAL CLEARANCE	10300mm
4	MIN HEIGHT OF EQPT BUS CENTRE LINE ABOVE PLINTH LEVEL	+14000mm

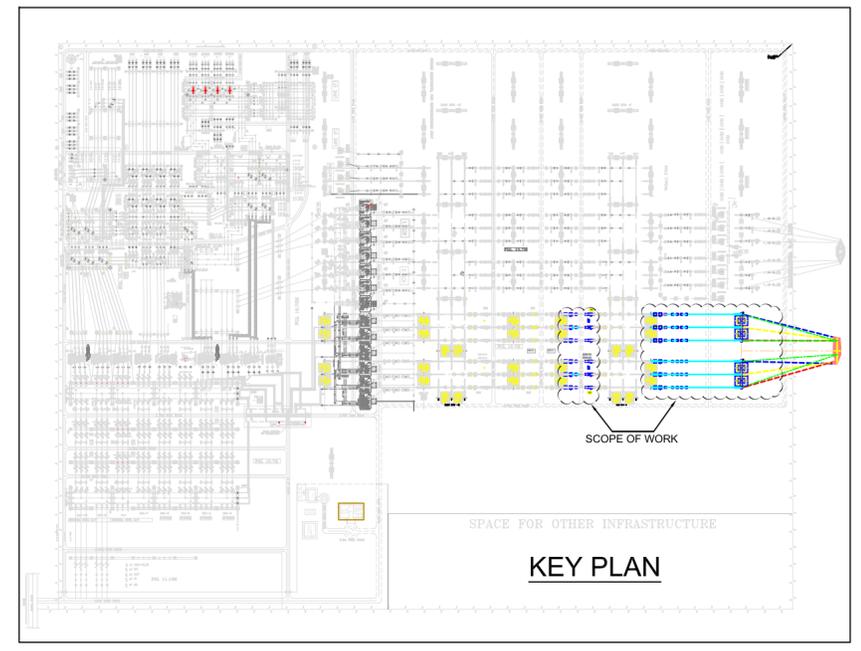
765KV LAKADIA D/C LINE



SECTION A - A

NOTES:
 1. ALL DIMENSIONS ARE IN MTR. UNLESS OTHERWISE SPECIFIED.
 2. PLINTH HEIGHT OF FOUNDATION WILL BE MIN.300MM FROM FINISHED GROUND LEVEL (F.G.L.).

LEGENDS:
 ——— PRESENT SCOPE.
 - - - - - EXISTING / FUTURE / NOT IN SCOPE



KEY PLAN

BILL OF QUANTITY - 765KV

ITEM CODE	DESCRIPTION	SYMBOL	QTY
1	CIRCUIT BREAKER WITH CLOSING RESISTOR 765kv, 3150A, 50kA for 1 SEC. (3-PH) WITHOUT CSD		2 SET
2	ISOLATOR VERTICAL KNEE TYPE WITH ONE EARTH SWITCH 765kv, 3150A, 50 kA for 1 SEC.(3-PH)		4 SET
3	3000A, 50kA for 1SEC CURRENT TRANSFORMER (6 CORE), 1-PH, 120% Extended Current Rating (765kv)		6 NOS
4	765KV CVT, 1-PH, 8800 PF		6 NOS
5	SURGE ARRESTER 624kv, 1-PH		6 NOS
6	765kv, 3150A, 1.0mH, 50KA LINE TRAP		4 NOS
7	765kv BUS POST INSULATOR (FOR SWITCHYARD)		12 NOS
8	765kv, 1 - PH, BUS POST INSULATORS FOR LINE TRAP		12 NOS
9	765kv, 1 - PH, GUY ARRANGEMENT		2 NOS

765KV TOWER:

SL.NO.	TOWER TYPE	PEAK	TOTAL HEIGHT (MTR.)	COLUMN HEIGHT (MTR.)	BEAM ATTACHMENTS	BEAM LEVEL (MTR.)	SUPPORTING BEAMS	ACTUAL QUANTITY (NOS.)
1	7TD	WITH PEAK	48.0	42.0	2	42.0	7GG & 7GH	04
ALL TOTAL (NOS.)								04

765KV BEAM:

SL.NO.	BEAM TYPE	CONDUCTOR	CONDUCTOR SPAN	CENTER TO CENTER SPAN OF BEAM	TENSION (UNDER NORMAL CONDITION)	TENSION (UNDER SHORT CIRCUIT CONDITION)	DEVIATION	ACTUAL QUANTITY (NOS.)
1	7GG	QUAD AAC BULL	104 M & SLACK SPAN	15.0 MTR.	9T/ PHASE	11.8T/ PHASE *	WITH DEVIATION	02
2	7GH	QUAD AAC BULL	104 M & SLACK SPAN	7.5 MTR.	9T/ PHASE	11.8T/ PHASE *	WITH DEVIATION	04
ALL TOTAL (NOS.)								06

* SLACK SPAN TO BE CONSIDERED FOR LINE SIDE TOWER.

REFERENCE DRAWINGS:

- TENDER SINGLE LINE DIAGRAM - 765KV (DWG NO: C/ENGG-SS/TBCB/BHUJ/SLD, REV-0)
- OVERALL GENERAL LAYOUT PLAN FOR EXTENSION OF 765/400/220KV BHUJ POOL SUBSTATION DWG. NO. - 5427PS109-BHJ-SYD-SCI-S2020-GA-0007, REV-01

765KV X-ARM:

TYPE	X-ARM TYPE	SPAN OF BEAM	CLEAR SPAN OF BEAM	TENSION (UNDER NORMAL CONDITION)	ACTUAL QUANTITY (NOS.)
1	7TDGW	7.0 MTR. (C/C)	6.5 MTR.	0.8 T/EARTHWIRE	04
TOTAL					04

REV.	DATE	REMARKS	APPROVAL CAT.	DATE	ISSUED FOR CONSTRUC.
3	16.04.20	FOURTH SUBMISSION			
2	04.01.20	THIRD SUBMISSION			
1	14.11.19	SECOND SUBMISSION	I*	18.11.19	
0	01.10.19	FIRST SUBMISSION	II*	08.11.19	

CLIENT: WRSS-21(A) Transco Limited (WTL)

EPC: TECHNO ELECTRIC & ENGG. CO. LTD.

PO ref: PO NO. - 4500313982 DATED: 21.10.2019

SO ref: SO NO. - 5700277667 DATED: 23.10.2019

SUBSTATION: EXTENSION OF 765KV BHUJ POOL S/STN.

TITLE	DRAWN BY	DS
ELECTRICAL LAYOUT PLAN & SECTION	DESIGNED BY	AM
	CHECKED BY	BS
	APPROVED BY	BS
	SCALE	NTS

TECHNO DWG. NO. 0756BH_BHUJ_SWYD_E_DRG_42_001