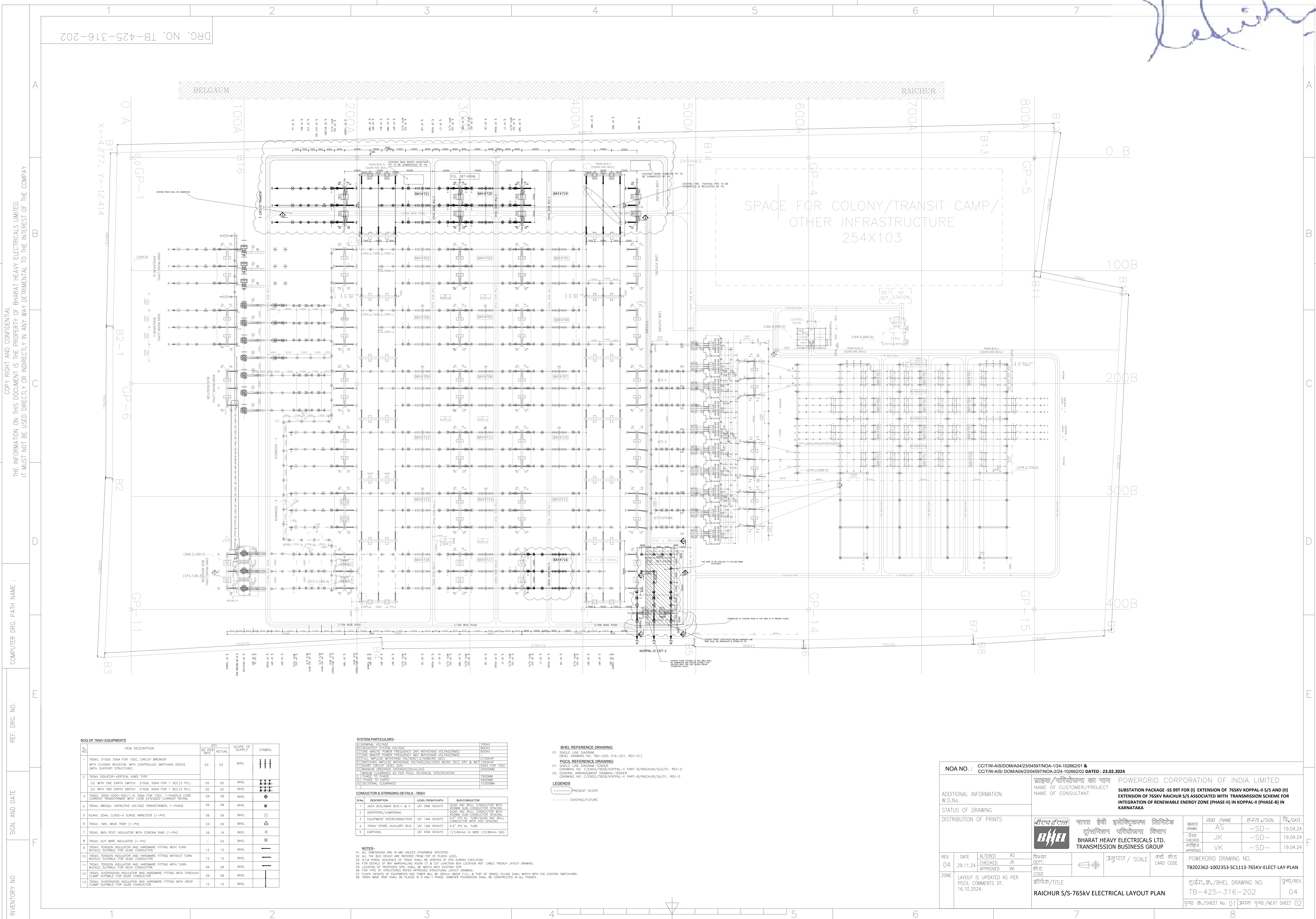


FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)



BOO OF 765KV EQUIPMENTS				
Sl. NO.	ITEM DESCRIPTION	QTY. AS PER BPS	ACTUAL	SCOPE OF SUPPLY SYMBOL
1	765KV, 3150A, SOA FOR 1SEC. CIRCUIT BREAKER WITH CLOSING RESISTOR, WITH CONTROLLED SWITCHING DEVICE (WITH SUPPORT STRUCTURE)	03	03	BHEL
2	765KV ISOLATOR-VERTICAL, NEE TYPE (a) WITH ONE EARTH SWITCH 3150A, SOKA FOR 1 SEC.(3 PH.) (b) WITH TWO EARTH SWITCH 3150A, SOKA FOR 1 SEC.(3 PH.)	05	05	BHEL
3	765KV, 2000-2000-500/1-A, SOA FOR 1SEC. 1-PHASE & CORE CURRENT TRANSFORMER WITH 120K EXTENDED CURRENT RATING	09	09	BHEL
4	765KV, 8000V, CAPACITIVE VOLTAGE TRANSFORMER, 1-PHASE	06	06	BHEL
5	62MM, 20KA, CLASS-V SURGE ARRESTER (1-PH)	06	06	BHEL
6	765KV, 1MH, WAVE TRAP (1-PH)	04	04	BHEL
7	765KV, BKN POST INSULATOR WITH CORONA RING (1-PH)	26	19	BHEL
8	765KV, GUY WIRE INSULATOR (1-PH)	-	03	BHEL
9	765KV, TENSION INSULATOR AND HARDWARE FITTING WITH TURN BUCKLE SUITABLE FOR QUAD CONDUCTOR	12	12	BHEL
10	765KV, TENSION INSULATOR AND HARDWARE FITTING WITHOUT TURN BUCKLE SUITABLE FOR QUAD CONDUCTOR	12	12	BHEL
11	765KV, TENSION INSULATOR AND HARDWARE FITTING WITH THROUGH CLAMP SUITABLE FOR QUAD CONDUCTOR	06	06	BHEL
12	765KV, SUSPENSION INSULATOR AND HARDWARE FITTING WITH THROUGH CLAMP SUITABLE FOR QUAD CONDUCTOR	06	06	BHEL
13	765KV, SUSPENSION INSULATOR AND HARDWARE FITTING WITH DROP CLAMP SUITABLE FOR QUAD CONDUCTOR	12	15	BHEL

SYSTEM PARTICULARS - 765KV		
Sl. NO.	DESCRIPTION	LEVEL FROM FWH
1	JACK BUS/MAIN BUS-1 & 2 (AT 35M HEIGHT)	BIROCONDUCTOR
2	DROPPERS/JAMPPING	QUAD AGC BULL CONDUCTOR WITH 450MM SUB-TENSION SPACING
3	EQUIPMENT INTERCONNECTION (AT 14M HEIGHT)	QUAD AGC BULL CONDUCTOR WITH 450MM SUB-TENSION SPACING
4	765KV SPARE AUXILIARY BUS (AT 12M HEIGHT)	4.5" IPS AL. TUBE
5	EARTHING (AT 45M HEIGHT)	7/3.66mm GI WIRE (10.88mm DIA)

NOTES:-
01. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
02. ALL THE BUS HEIGHT ARE REFERRED FROM TOP OF PUNTH LEVEL.
03. R/S-B PHASE SEQUENCE OF 765KV SHALL BE VERIFIED AT SITE DURING EXECUTION.
04. FOR DETAILS OF BAY MARSHALLING KIOSK CT & CVT JUNCTION BOX LOCATION REF. CABLE TRENCH LAYOUT DRAWING.
05. LOCATION OF PROPOSED SPS SHALL BE MATCH WITH EXISTING SPS.
06. FOR TYPE OF STRUCTURES REFER APPROVED STRUCTURAL LAYOUT DRAWING.
07. FOURTH HEIGHTS OF EQUIPMENTS AND TOWER SHALL BE 300mm ABOVE GALL & THAT OF GRAVEL FILLING SHALL MATCH WITH THE EXISTING SWITCHYARD.
08. 765KV WAVE TRAP SHALL BE PLACED IN R AND Y PHASE. HOWEVER FOUNDATION SHALL BE CONSTRUCTED IN ALL PHASES.

BHEL REFERENCE DRAWING:
01. SINGLE LINE DIAGRAM
BHEL DRAWING NO. 100-400-316-201, REV-01
POCIL REFERENCE DRAWING:
01. SINGLE LINE DIAGRAM-TENDER
DRAWING NO. C/PACG/TECH/KOPPAL-II PART-B/RAICHUR/04/01, REV-0
02. GENERAL ARRANGEMENT DRAWING-TENDER
DRAWING NO. C/PACG/TECH/KOPPAL-II PART-B/RAICHUR/04/01, REV-0
LEGENDS
PRESENT SCOPE
EXISTING/FUTURE

NOA NO. : CCI/TW-AIS/DOM/A04/23/04587/NOA-1/24-102662/01 & CCI/TW-AIS/ DOM/A04/23/04587/NOA-2/24-102662/02 DATED : 23.02.2024	
ADDITIONAL INFORMATION W.O.No.	
STATUS OF DRAWING	
DISTRIBUTION OF PRINTS	
REV. 04	DATE 29.11.24
ZONE	LAYOUT IS UPDATED AS PER POCIL COMMENTS DT. 16.10.2024.
POWERGRID CORPORATION OF INDIA LIMITED SUBSTATION PACKAGE-SS 09T FOR (I) EXTENSION OF 765KV KOPPAL-II S/S AND (II) EXTENSION OF 765KV RAICHUR S/S ASSOCIATED WITH TRANSMISSION SCHEME FOR INTEGRATION OF RENEWABLE ENERGY ZONE (PHASE-II) IN KOPPAL-II (PHASE-B) IN KARNATAKA	
Bharat Heavy Electricals Ltd. BHEL DRAWING NO. TB-425-316-202	
POWERGRID DRAWING NO. TB202362-1002353-SC1113-765KV-ELECT-LAY-PLAN	
PAGES: 04 / SHEET NO. 01 / TOTAL PAGES: 04	