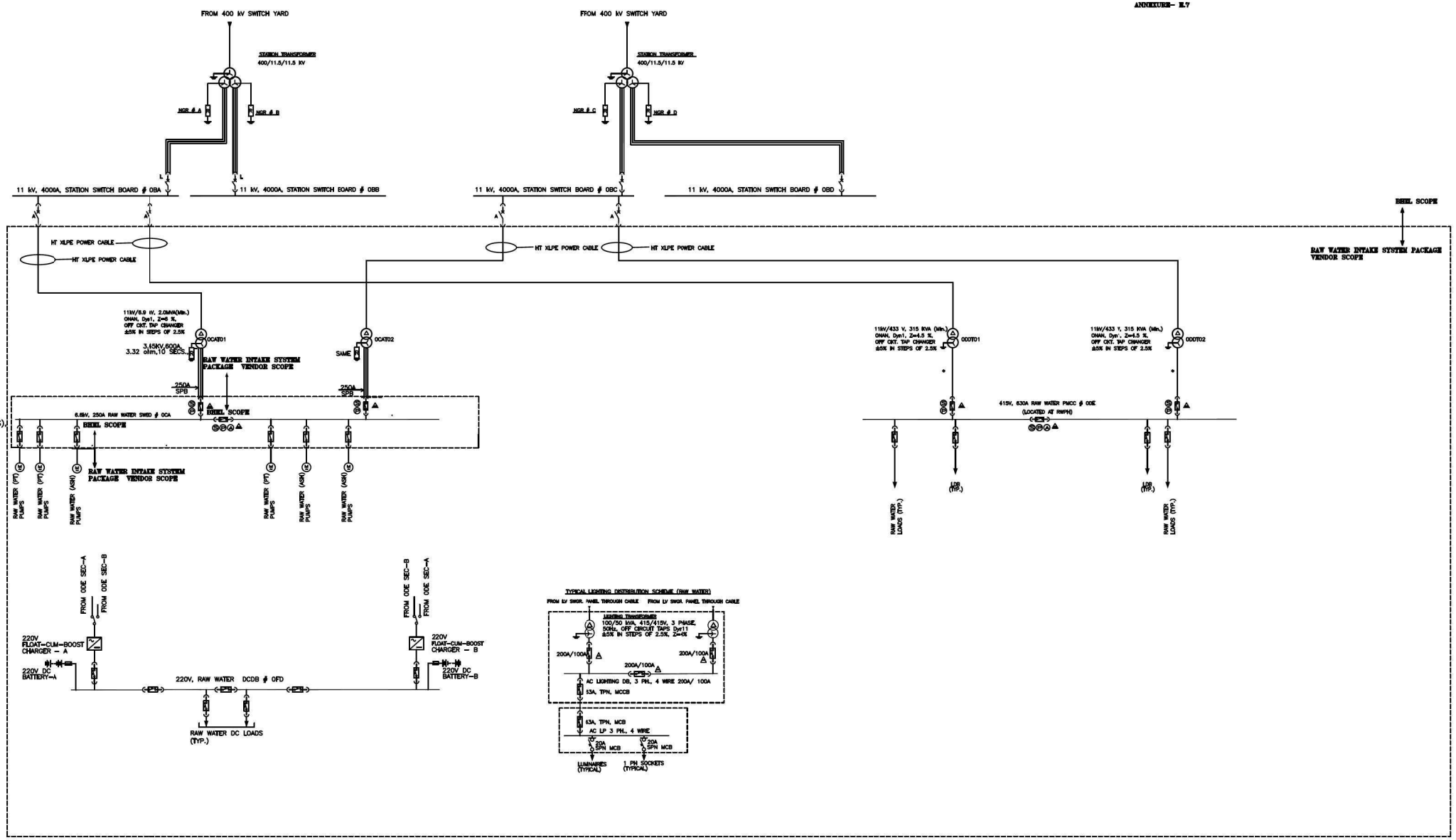
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

DRAWING NO. PE-DG-530-565-E001B

ANNEXURE- E.7



NOTE

1. BHEL WILL PROVIDE ONLY 4 NOS. UNCABLED 11kV HT FEEDER(FROM 11kV STN. BOARDS LOCATED IN MAIN POWER HOUSE SWGR. ROOMS) AS SHOWN HERE. ALSO BHEL WILL SUPPLY 6.6kV SWITCHGEAR AS PER THE SCOPE SPLIT. FURTHER ALL POWER CONTROL, SCHEME CONTROL CABLE ASSOCIATED WITH THE SWITCHGEARS OF RAW WATER PUMP HOUSE SHALL BE IN BIDDER SCOPE. FOR LT COMPLETE DISTRIBUTION WILL BE IN BIDDER SCOPE.
2. ELECTRICAL DISTRIBUTION SHOWN HERE IS MINIMUM REQUIREMENT W.R.T RATING AND NUMBER OF LT PMCC/MCC/BOARDS. TRANSFORMER ETC. BIDDER TO FURNISH FINAL DISTRIBUTION ALONG WITH SIZING CALCULATION DURING DETAILED ENGINEERING FOR JUSTIFICATION.
3. THE LOCATION OF 6.6 kV SWITCHBOARD (0CC),TRANSFORMERS, & LV SWITCHBOARD (0DE,0FD),LDB,BATTERIES ETC. SHALL BE IN RWPH.
4. THIS DRAWING TO BE READ IN CONJUCTION WITH TECHNICAL SPECIFICATION & SCOPE MATRIX.

LEGEND

- TRANSFORMER
- DRAWOUT TYPE MV CIRCUIT BREAKER
- SWITCH
- ISOLATOR
- CONTACTOR
- FUSE
- EARTHING
- RESISTOR
- DRAWOUT TYPE MCCB
- SWITCH-FUSE UNIT
- DRAWOUT TYPE LV CB
- BUSDUCT CONNECTIONS
- CABLE CONNECTIONS

LEGEND

- △ TWO OUT OF THREE CAN BE CLOSED (ELECTRICAL INTERLOCK)
- △ TWO OUT OF THREE CAN BE CLOSED (MECHANICAL INTERLOCK)
- ☒ ONE OUT OF TWO CAN BE CLOSED (ELECTRICAL INTERLOCK)
- ☒ ONE OUT OF TWO CAN BE CLOSED (MECHANICAL INTERLOCK)
- Ⓟ PLANNED-CHANGEOVER FACILITY WITH MOMENTARY PARALLELING
- Ⓢ SYNCHRONSING FACILITY
- Ⓐ AUTO CLOSING FACILITY
- SPB SEGREGATED PHASE BUSDUCT
- PMCC POWER CUM MOTOR CONTROL CENTER
- MCC MOTOR CONTROL CENTER
- MVA MEGA VOLT AMPERE

* IN CASE TRANSFORMER RATING IS 1000KVA OR ABOVE NSPBD SHALL BE APPLICABLE

DATE	ALTD	CHD	APPD	DATE	ALTD	CHD	APPD

CUSTOMER

PROJECT KORBA WEST THERMAL POWER STATION (2x660MW)

JOB NO. 530

STATUS CONTRACT

DISTRIBUTION

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA

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DEPT CODE		NAME	SIGN	DATE
E	DESN	NNJ	–sd–	15.12.25
	CHD	PD	–sd–	15.12.25
	APPD	PD	–sd–	15.12.25

TITLE ELECTRICAL SINGLE LINE DIAGRAM FOR AUX. POWER DISTRIBUTION FOR RAW WATER INATKE SYSTEM PACKAGE

DEPT. SCALE NTS

SIGN

DATE

DRAWING NO. PE-DG-530-565-E001B

SHEET 1 OF 1 REV. 00

SIZE-A0

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ELECTRONIC FILE NAME: PE-DG-519-565-E002