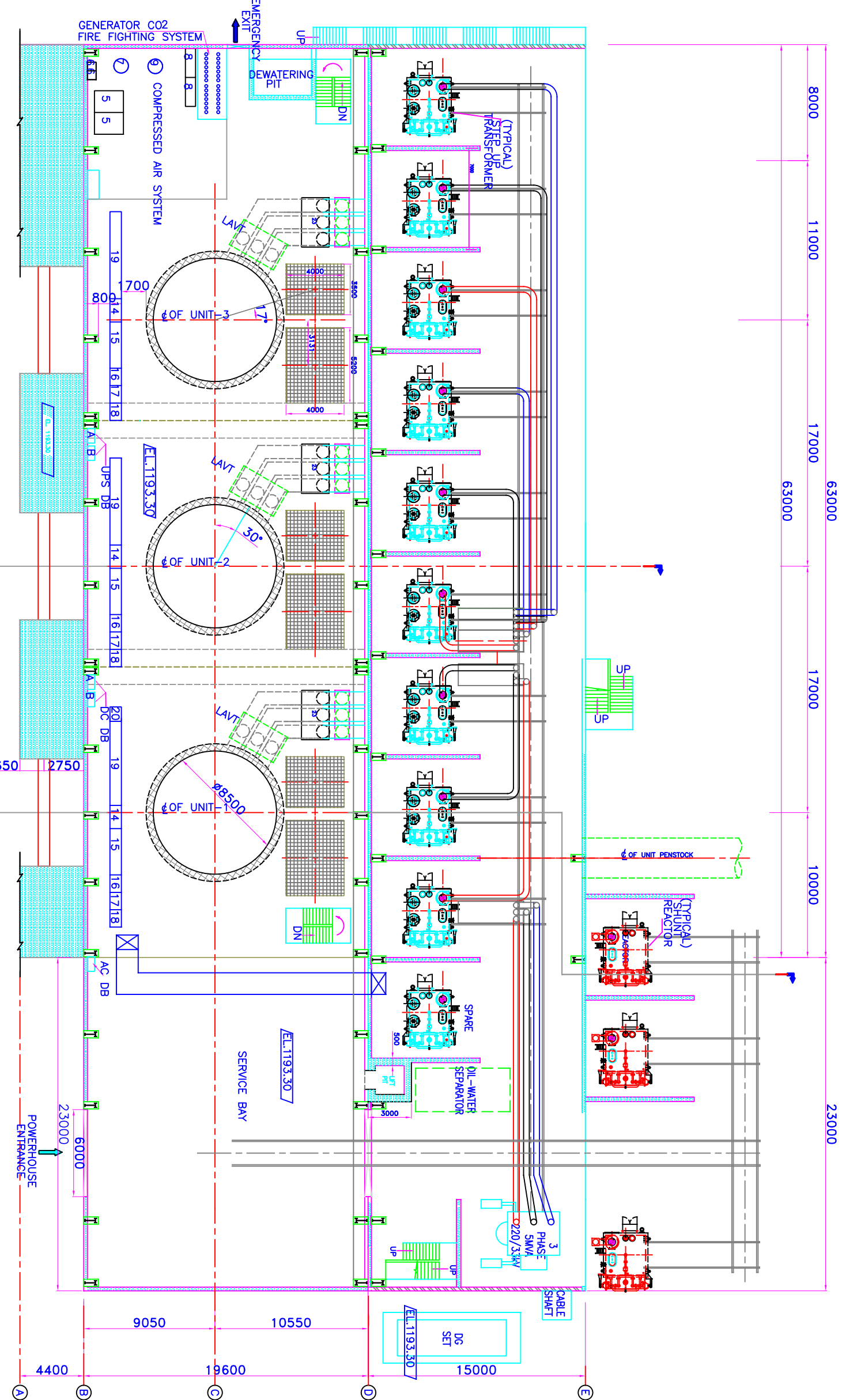


NOTE:-
1. ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METRES.

LIST OF EQUIPMENT

ITEM NO.	DESCRIPTION	QUANTITY
1	CONTROL PANEL FOR OPU	3
2	CONTROL PANEL FOR MV	3
3	OPU	3
4	AIR VESSEL GOVERNOR	3
5	HP COMPRESSOR	2
6	HP AIR DRYER	2
7	HP AIR RECEIVER	1
8	PRESSURE REDUCING STATION	2
9	LP AIR RECEIVER	1
10	LUB. OIL PURIFICATION UNIT	2
11	MOTORISED STRAINERS	6
11A	FILLING FW TANKS	2
12	CYCLONE SEPARATOR	3
13	TURBINE JUNCTION BOX	3
14	GOVERNOR PANEL	3
15	UNIT LOCAL CONTROL BOARD	3
16	PROTECTION PANEL-A	3
17	PROTECTION PANEL-B	3
18	EXCITATION CUBICLE COMMON	3
19	EXCITATION CUBICLE	3
20	VIBRATION PANEL	1
21	UNIT AUXILIARY TRANSFORMER	3
22	UNIT AUXILIARY BOARD	3
23	EXCITATION TRANSFORMER	3
24	NG CUBICLE	3
25	TEMPERATURE MEASUREMENT & GAUGE PANEL	3
26	HMC	3
27	NEEDLE CONTROL CABINET	3
28	HS LUBE SYSTEM	3
29	HS LUBE CONTROL PANEL	3
30	BRAKE JACK CONTROL PANEL	3
31	GENERATOR MARSHALLING BOX	3
32	HEATER CONTROL PANEL	3
33	C.W. PUMP	6



POWERHOUSE
PLAN AT EL. 1193.30 M.
SERVICE BAY / OPERATING FLOOR

FOR TENDER PURPOSE ONLY

SHEET 1 OF 1

CLIENT: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.
(MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)

PROJECT: HEO HEP (3x80MW) ARUNACHAL PRADESH, INDIA

CONSULTANTS
WAPCOS

(A GOVT. OF INDIA UNDERTAKING)

POWERHOUSE PLAN AT EL. 1193.30M
SERVICE BAY / OPERATING FLOOR

DRAWING NO : WAP/HEO/EA&MTD/03

DATE : AUGUST, 2024

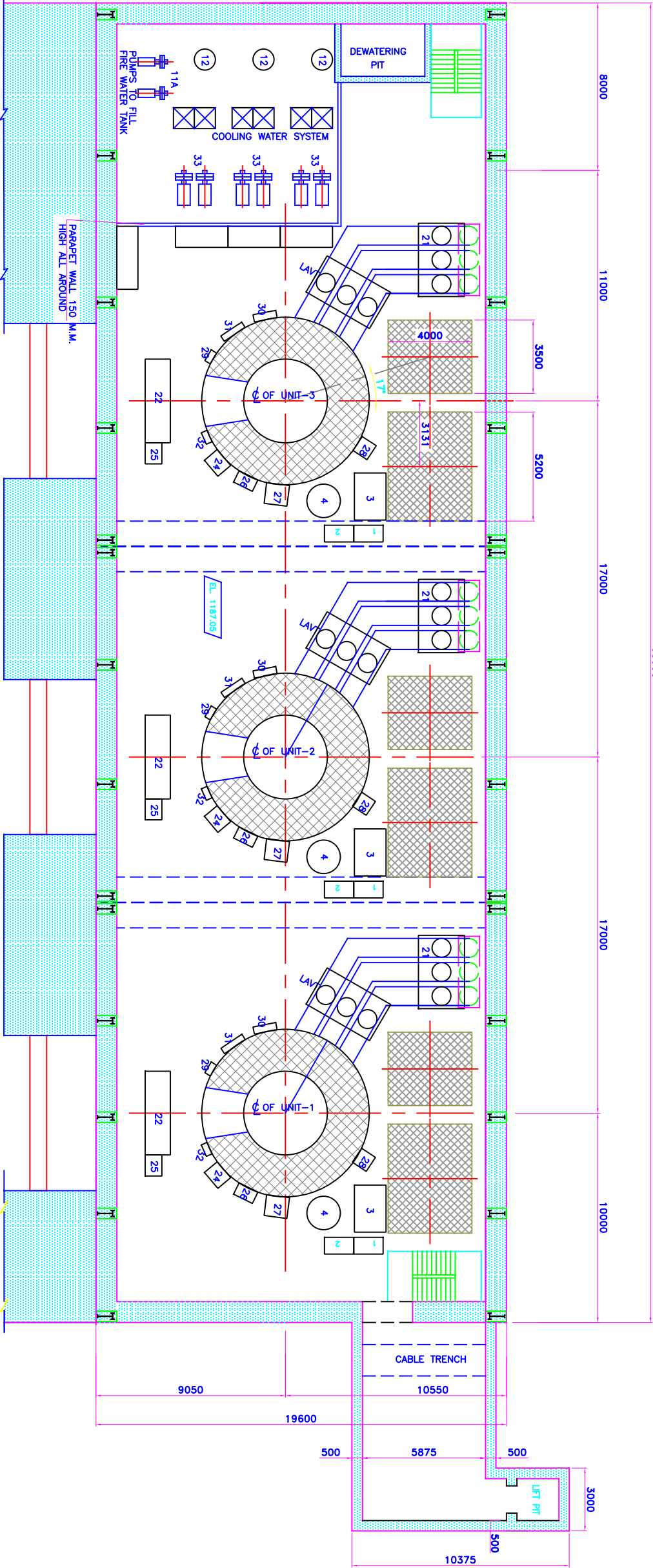
ORIGINAL PRINT SIZE : A3

NOTE:- 1. ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METRES.

LIST OF EQUIPMENT

ITEM NO.	DESCRIPTION	QUANTITY
1	CONTROL PANEL FOR OPU	3
2	CONTROL PANEL FOR MV	3
3	OPU	3
4	AIR VESSEL GOVERNOR	3
5	HP COMPRESSOR	2
6	HP AIR DRYER	2
7	HP AIR RECEIVER	1
8	PRESSURE REDUCING STATION	2
9	LP AIR RECEIVER	1
10	LUB. OIL PURIFICATION UNIT	2
11	MOTORISED STRAINERS	6
11A	FILLING FW TANKS	2
12	CYCLONE SEPARATOR	3
13	TURBINE JUNCTION BOX	3
14	GOVERNOR PANEL	3
15	UNIT LOCAL CONTROL BOARD	3
16	PROTECTION PANEL A	3
17	PROTECTION PANEL B	3
18	PROTECTION PANEL COMMON	3
19	EXCITATION CUBICLE	3
20	VIBRATION PANEL	1
21	UNIT AUXILIARY TRANSFORMER	3
22	UNIT AUXILIARY BOARD	3
23	EXCITATION TRANSFORMER	3
24	NG CUBICLE	3
25	TEMPERATURE MEASUREMENT & GAUGE PANEL	3
26	HMC	3
27	NEEDLE CONTROL CABINET	3
28	HS LUBE SYSTEM	3
29	HS LUBE CONTROL PANEL	3
30	BRAKE JACK CONTROL PANEL	3
31	GENERATOR MARSHALLING BOX	3
32	HEATER CONTROL PANEL	3
33	C.W. PUMP	6

PLAN AT EL. 1187.05 M.
GENERATOR / TURBINE FLOOR



SHEET 1 OF 1

FOR TENDER PURPOSE ONLY

CLIENT: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)

PROJECT: HEO HEP (3x80MW) ARUNACHAL PRADESH, INDIA



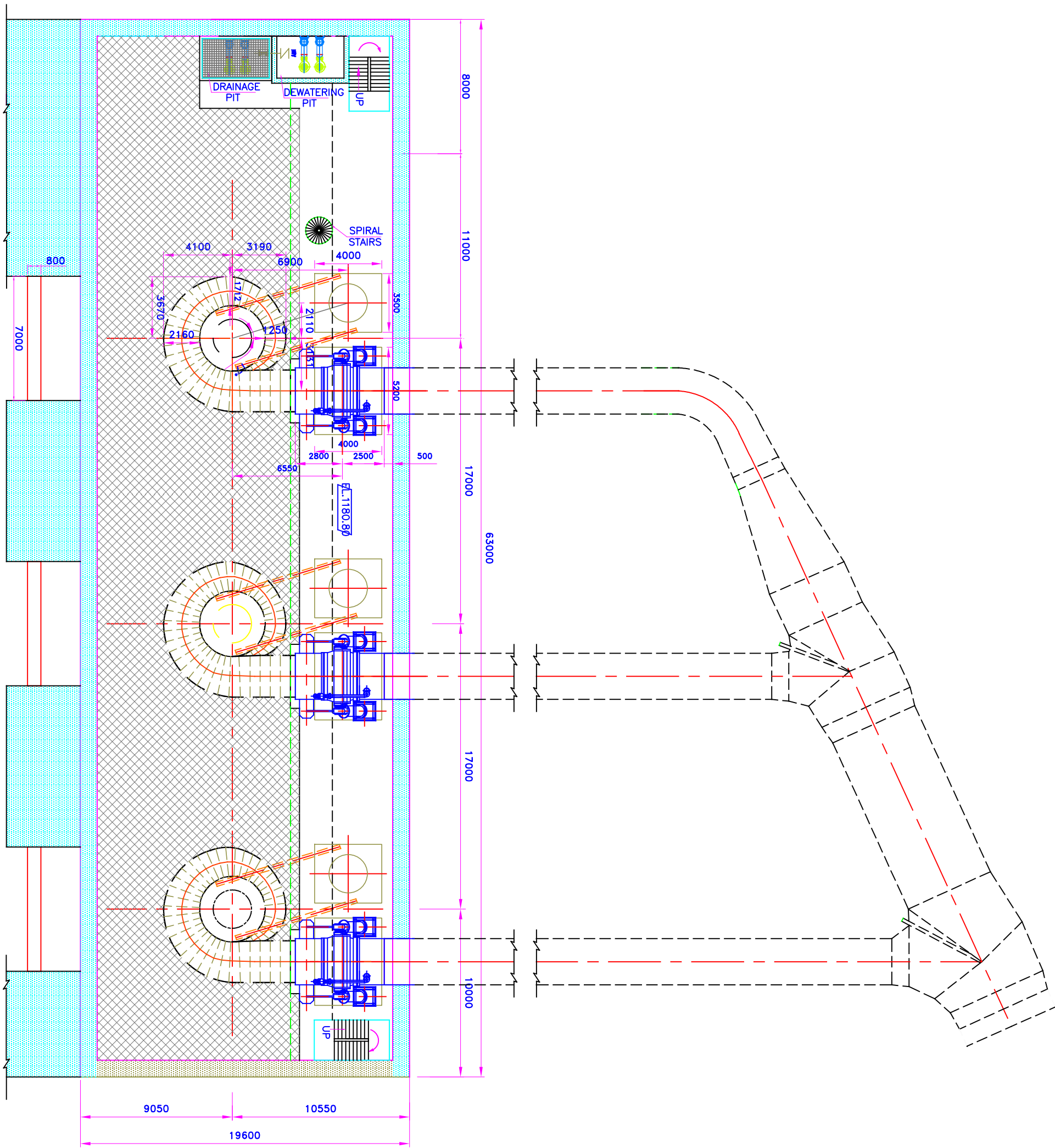
(A GOVT. OF INDIA UNDERTAKING)

POWERHOUSE PLAN AT EL. 1187.05M
GENERATOR / TURBINE FLOOR

DRAWING NO : WAP/HEO/E&M/TD/04


DATE : AUGUST, 2024 ORIGINAL PRINT SIZE : A3

NOTE:-
1. ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METRES.

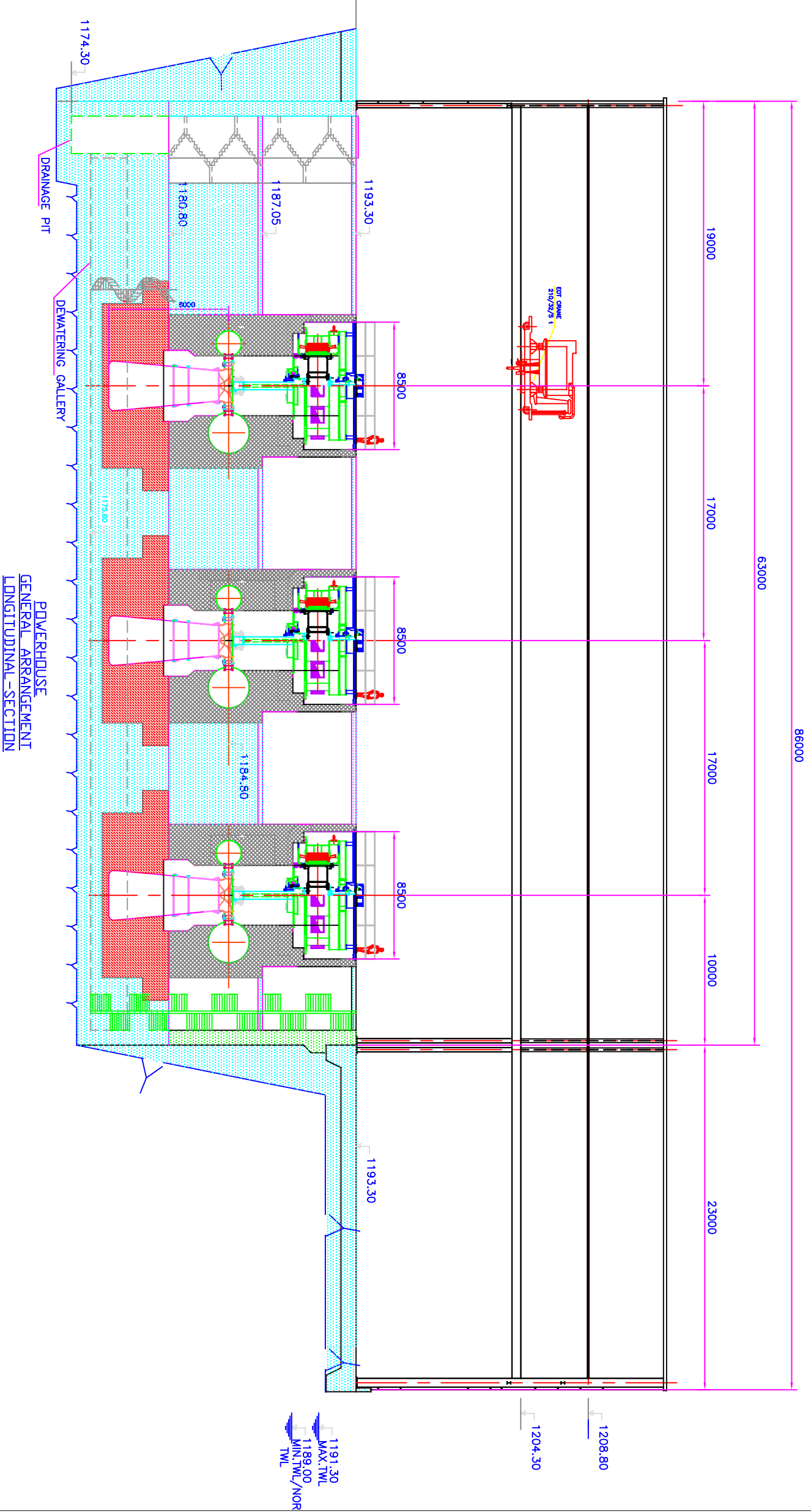


FOR TENDER PURPOSE ONLY

SHEET 1 OF 1



CLIENT:  NORTH EASTERN ELECTRIC POWER CORPORATION LTD. (MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)	
PROJECT: HEO HEP (3x80MW) ARUNACHAL PRADESH, INDIA	
 WAPCOS CONSULTANTS (A GOVT. OF INDIA UNDERTAKING)	
POWERHOUSE PLAN AT EL. 1180.80M MIV FLOOR	
DRAWING NO : WAP/HEO/EA&M/TD/05	ORIGINAL PRINT SIZE : A3
DATE : AUGUST, 2024	

NOTE:-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES.



FOR TENDER PURPOSE ONLY

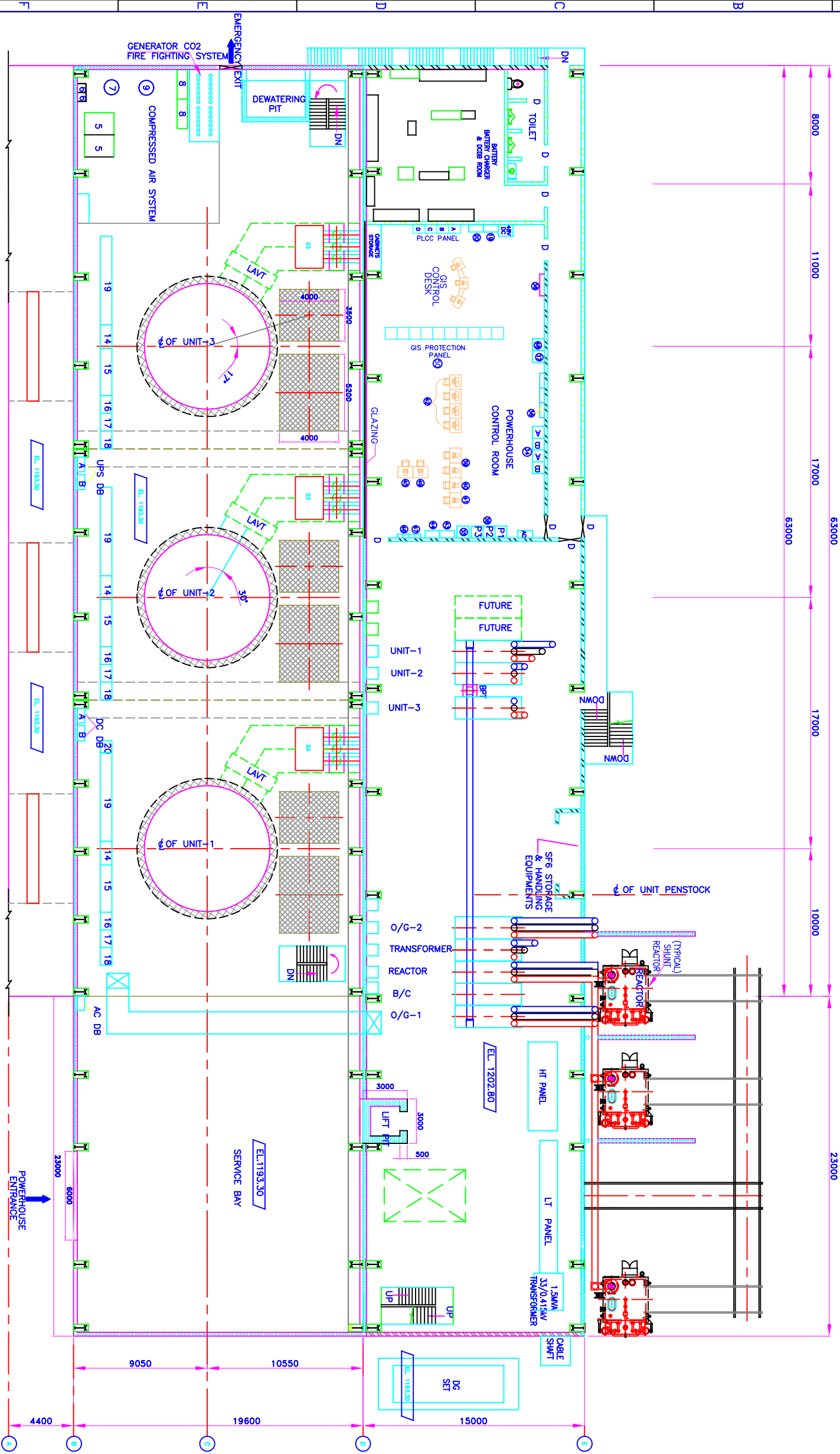
SHEET 1 OF 1

CLIENT:  NORTH EASTERN ELECTRIC POWER CORPORATION LTD. (MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)	
PROJECT: HEO HEP (3x80MW) ARUNACHAL PRADESH, INDIA	
 WAPCOS CONSULTANTS (A GOVT. OF INDIA UNDERTAKING)	
POWERHOUSE GENERAL ARRANGEMENT LONGITUDINAL - SECTION	
DRAWING NO : WAP/HEO/EA&M/TD/06	ORIGINAL PRINT SIZE : A3
DATE : AUGUST, 2024	

NOTE:-
1. ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METRES.

LIST OF EQUIPMENT

ITEM NO.	DESCRIPTION	QUANTITY	SIZE(MM)
34	PATCH PANELS	4	800X800X2300
35	EPABX SYSTEM	1	800X800X2300
36	LARGE VIDEO SCREEN	4	-
37	FIRE ALARM PANEL	1	800X800X2300
38	PRINTERS	3	800X800
39	HISTORIAN WORK STATION	2	1000X800
40	ENERGY MANAGEMENT WORK STATION	1	1000X800
41	LARGE VIDEO SCREEN MATRIX WORK STATION	1	1000X800
42	OPERATOR WORK STATION	5	1000X800
43	DC PANELS (WALL MOUNTED)	2	500X1000
44	UPS PANELS (WALL MOUNTED)	2	500X1000
45	ENERGY MANAGEMENT WORK STATION	3	1000X800
46	ELDB	2	250X400
47	MLDB	2	250X400
48	VOIP SYSTEM	1	
49	ZOOM PROCESSOR ANALYSIS WORK STATION	1	
50	GIS PROTECTION PANEL	10	



FOR TENDER PURPOSE ONLY

SHEET 1 OF 1

CLIENT: NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

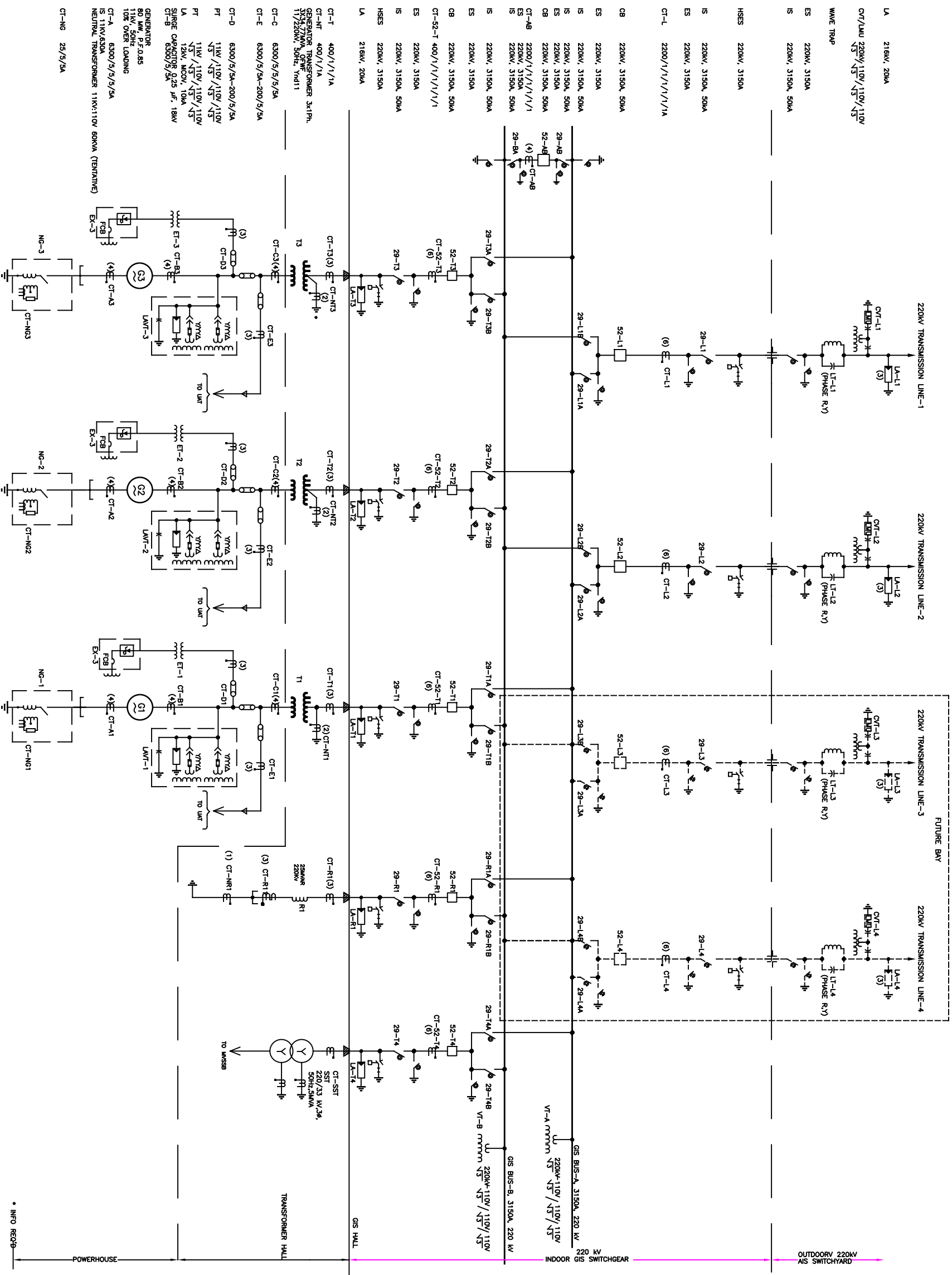
PROJECT: HEO HEP (3x80MW) ARUNACHAL PRADESH, INDIA

CONSULTANTS: WAPCOS

POWERHOUSE PLAN AT EL. 1202.80M CONTROL ROOM & GIS FLOOR

DRAWING NO : WAP/HEO/EA&MTD/07

DATE : AUGUST, 2024 ORIGINAL PRINT SIZE : A3



LEGEND:-

	ISOLATING LINK (IL)
	ISOLATOR (IS)
	EARTH SWITCH (ES)
	LIGHTING ARRESTER (LA)
	GROUND CONNECTION
	CB (220 kV)
	CONTROLLED RECTIFIER (THYRISTOR)
	CABLE TERMINATION
	CAPACITIVE DIVTER
	LINE TRAP
	CURRENT TRANSFORMER
	DRAWOUT INDUCTION VT
	FIXED INDUCTION VT
	POWER TRANSFORMER
	GENERATOR
	MOTOR OPERATED
	LINE MATCHING UNIT
	GIS/AIS TERMINATION
	GIS/OIL
	HIGH SPEED EARTH SWITCH

FOR TENDER PURPOSE ONLY

Note:- 1. The equipment rating indicated in the SLD are tentative may be decided during detail design stage.

2. CT Parameter Number of CT/VT Cores are tentative and the same shall be finalized during detail design stage.

SHEET 1 OF 1

CLIENT: **NORTH EASTERN ELECTRIC POWER CORPORATION LTD.**
(MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)

PROJECT: **HEO HEP (3x80MW)ARUNACHAL PRADESH, INDIA**

CONSULTANTS: **WAPCOS**
(A GOVT. OF INDIA UNDERTAKING)

POWERHOUSE AND SUBSTATION MAIN SINGLE LINE DIAGRAM

DRAWING NO : WAP/HEO/E&M/TD/12

DATE : JANUARY, 2025 ORIGINAL PRINT SIZE : A3

LEGEND:-

	DRAWOUT MEDIUM VOLTAGE CIRCUIT BREAKER
	DRAWOUT MOULDED CASE CIRCUIT BREAKER
	DRAWOUT AIR CIRCUIT BREAKER
	DRAWOUT INDUCTION VT
	FIXED INDUCTION VT
	AUXILARY TRANSFORMER WITH ON LOAD TAP CHANGER
	ELECTRICAL INTERLOCK
	220kV GAS INSULATED BUS
UAB	UNIT AUX. BOARD
MSSB	MAIN STATION SERVICE BOARD
UAT	UNIT AUX. TRANSFORMER
SSAT	STATION SERVICE AUX. TRANSFORMER

FOR TENDER PURPOSE ONLY

SHEET 1 OF 1

CLIENT: **NORTH EASTERN ELECTRIC POWER CORPORATION LTD.**
(MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)

PROJECT: **HEO HEP (3x80MW) ARUNACHAL PRADESH, INDIA**

CONSULTANTS

WAPCOS

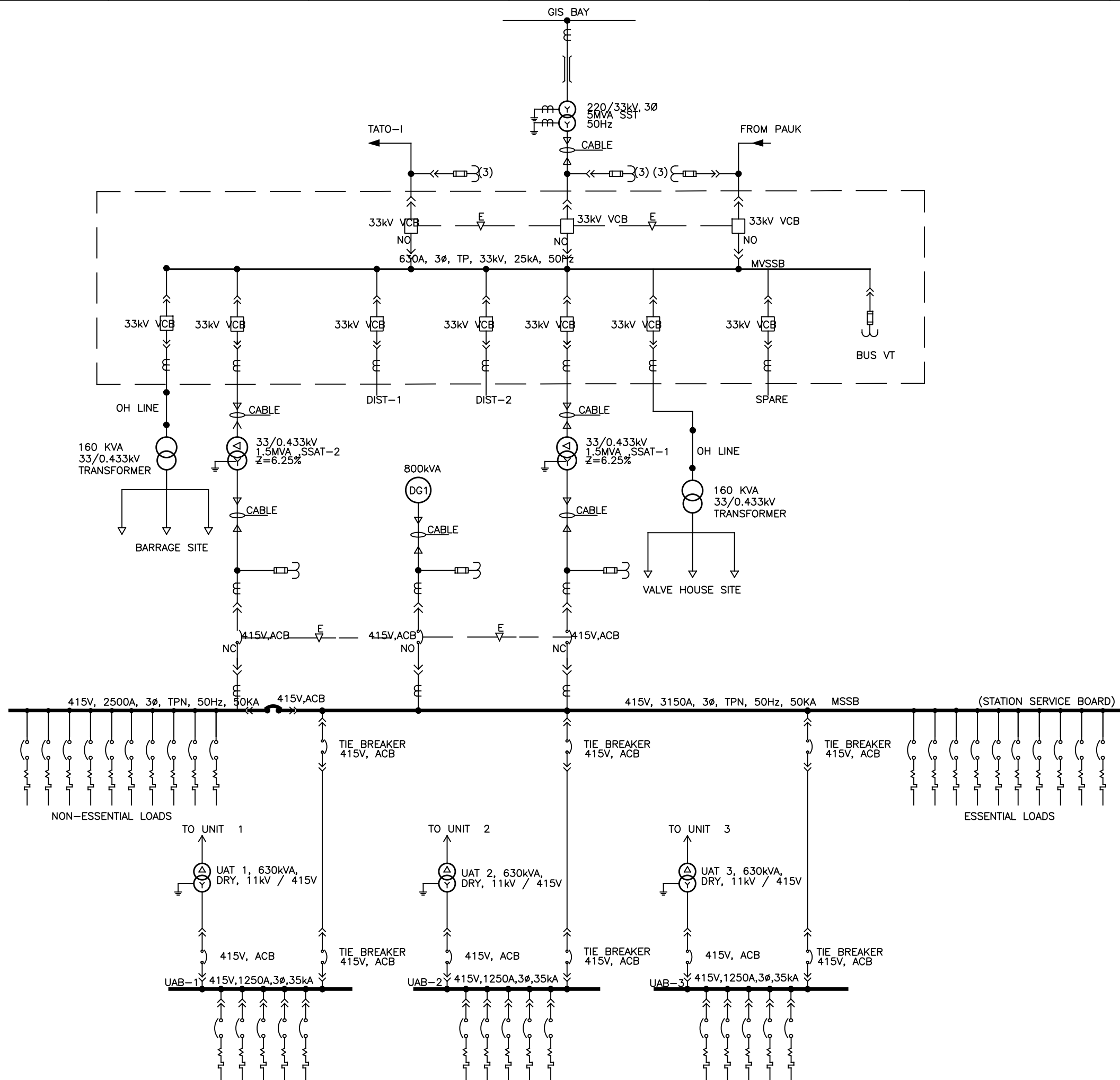
(A GOVT. OF INDIA UNDERTAKING)

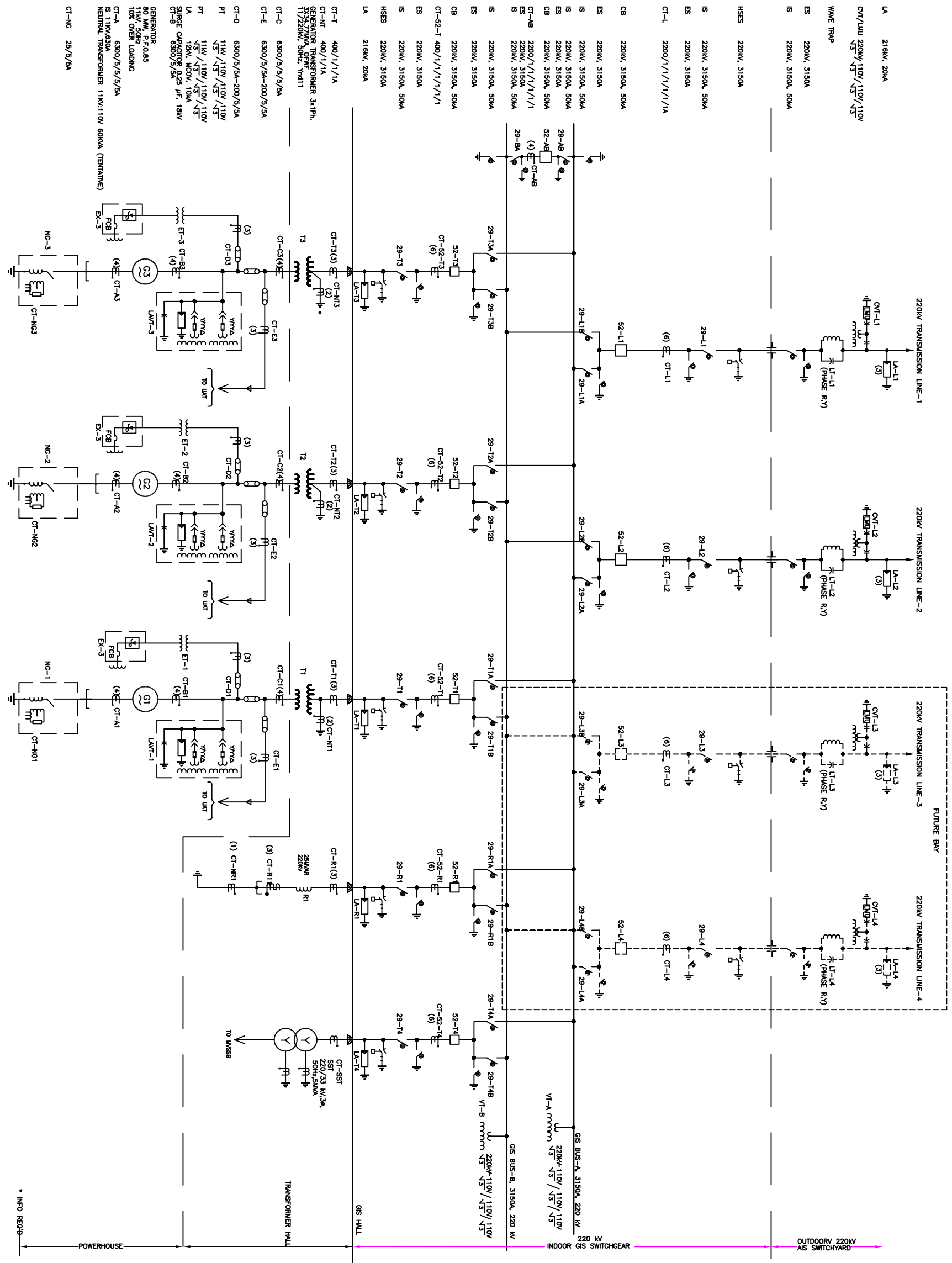
POWERHOUSE UNIT AND STATION SERVICE AUXILIARY SINGLE LINE DIAGRAM

DRAWING NO : WAP/HEO/E&M/TD/13

DATE : DECEMBER, 2025

ORIGINAL PRINT SIZE : A3





LEGEND:-

	ISOLATING LINK (IL)
	ISOLATOR (IS)
	EARTH SWITCH (ES)
	LIGHTNING ARRESTER (LA)
	GROUND CONNECTION
	CONTROLLED RECTIFIER (THYRISTOR)
	CABLE TERMINATION
	CAPACITIVE DIVERTER
	LINE TRAP
	CURRENT TRANSFORMER
	DRAWOUT INDUCTION VT
	FIXED INDUCTION VT
	POWER TRANSFORMER
	GENERATOR
	MOTOR OPERATED
	LINE MATCHING UNIT
	GIS/SIS TERMINATION
	GIS/OIL
	HIGH SPEED EARTH SWITCH

FOR TENDER PURPOSE ONLY

Note:- 1. The equipment rating indicated in the SLD are tentative may be decided during detail design stage.

2. CT Parameter Number of CT/VT Cores are tentative and the same shall be finalized during detail design stage.

SHEET 1 OF 1

CLIENT: NORTH EASTERN ELECTRIC POWER CORPORATION LTD. (MINI RATNA, CATEGORY-I, A GOVT. OF INDIA ENTERPRISE)

PROJECT: HEO HEP (3x80MW)ARUNACHAL PRADESH, INDIA

CONSULTANTS: WAPCOS (A GOVT. OF INDIA UNDERTAKING)

POWERHOUSE AND SUBSTATION MAIN SINGLE LINE DIAGRAM

DRAWING NO : WAP/HEO&M/TD/74

DATE : JANUARY, 2025

ORIGINAL PRINT SIZE : A3