

DESIGN PARAMETERS:-
 PRESSURE : 1.0 kg/cm² FOR ECV SYSTEM FOR TG AUX.
 1.0 kg/cm² FOR ECV SYSTEM FOR BOILER AUX.
 TEMPERATURE: 60deg C

NOTES

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS.
- ALL ELEVATIONS MENTIONED ARE W.R.T FINISHED FLOOR ELEVATION OF 0.0M WHICH CORRESPONDS TO RL 273.8M.
- ALL VALVES ARE TO BE MOUNTED AT ACCESSIBLE POSITIONS AND HAND WHEEL ORIENTATION TO BE DECIDED AT SITE.
- ALL PIPES ARE TO BE SUPPORTED AT THE DISTANCE AS PER IS 8000 FOR WHICH BREL-PC WILL SUPPLY SUFFICIENT SUPPORT WARE TO SITE.
- MINOR ADJUSTMENT TO BE CARRIED OUT AT SITE IF NEEDED UNDER MINIMUM.
- PIPE ELEVATIONS INDICATED ARE INDEPENDENT OF PIPE SLOPE & ARE NOT SHOWN IN THIS DRAWING.
- ALL PIPE SIZES 50 NB AND BELOW ARE SITE ROUTED AND ARE NOT SHOWN IN THIS DRAWING.
- INSTRUMENTATION TAPPOINTS TO BE PROVIDED AS PER P&ID BY PC.
- CONNECTIONS FROM VALVES TO THE SITE OPERATING POINTS ARE SUPPLIED WITH VALVES AND THE SAME FOR REPAIRERS ARE SUPPLIED BY ENGINEER/OPERATOR ALONG WITH COUNTER FLANGES. PPE TO BE CUT AT SITE AND REPAIRERS TO BE INSTALLED AT THE INDICATED LOCATIONS.
- ALL PPE SIZES 50 NB AND BELOW ARE SITE ROUTED AND ARE NOT SHOWN IN THIS DRAWING.
- ORIFICE PLATES ARE SUPPLIED BY PRINCIPAL ENGINEER AND TO BE INSTALLED AT THE LOCATIONS INDICATED.
- ALONG WITH EQUIPMENTS
- 50 NB SIZE DRAIN AND VENT VALVES SHALL BE PROVIDED FOR PIPE SIZES 400 NB AND ABOVE, 25 NB SIZE DRAIN AND VENT VALVES SHALL BE PROVIDED FOR PIPE SIZES UP TO 300 NB AS PER LAYOUT REQUIREMENT.

REFERENCE

- EQUIPMENT PLANT AT EL. 0.0M & 3.0M
- EQUIPMENT PLANT AT 5.5M & 12.0M
- EQUIPMENT PLANT AT 17.0M
- P&ID OF ACW SYSTEM
- P&ID OF ACW SYSTEM (TG AUX.)
- GA OF ECV TANK (SS AUX.)
- GA OF ECV TANK (TG AUX.)
- GA OF PPE (TG AUX.)
- GA OF PPE (SS AUX.)
- TURBINE LUBE OIL COOLER
- CONTROL FLUID COOLER
- HYDROGEN COOLER
- SEAL OIL UNIT
- EXHAUST COOLER
- VACUUM PUMP COOLER
- WATER COOLER
- WATER COOLER
- WATER COOLER

BR-DC-298-167-0004
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944-108-016-PVM-3-051
944-108-016-PVM-3-051
21658707004C138
0166070004C138
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1-18000-56758
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TYPICAL TOP SUPPORT DETAIL

TYPICAL BOTTOM SUPPORT DETAIL

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VIEW-QQ

DETAIL-R

VIEW-SS

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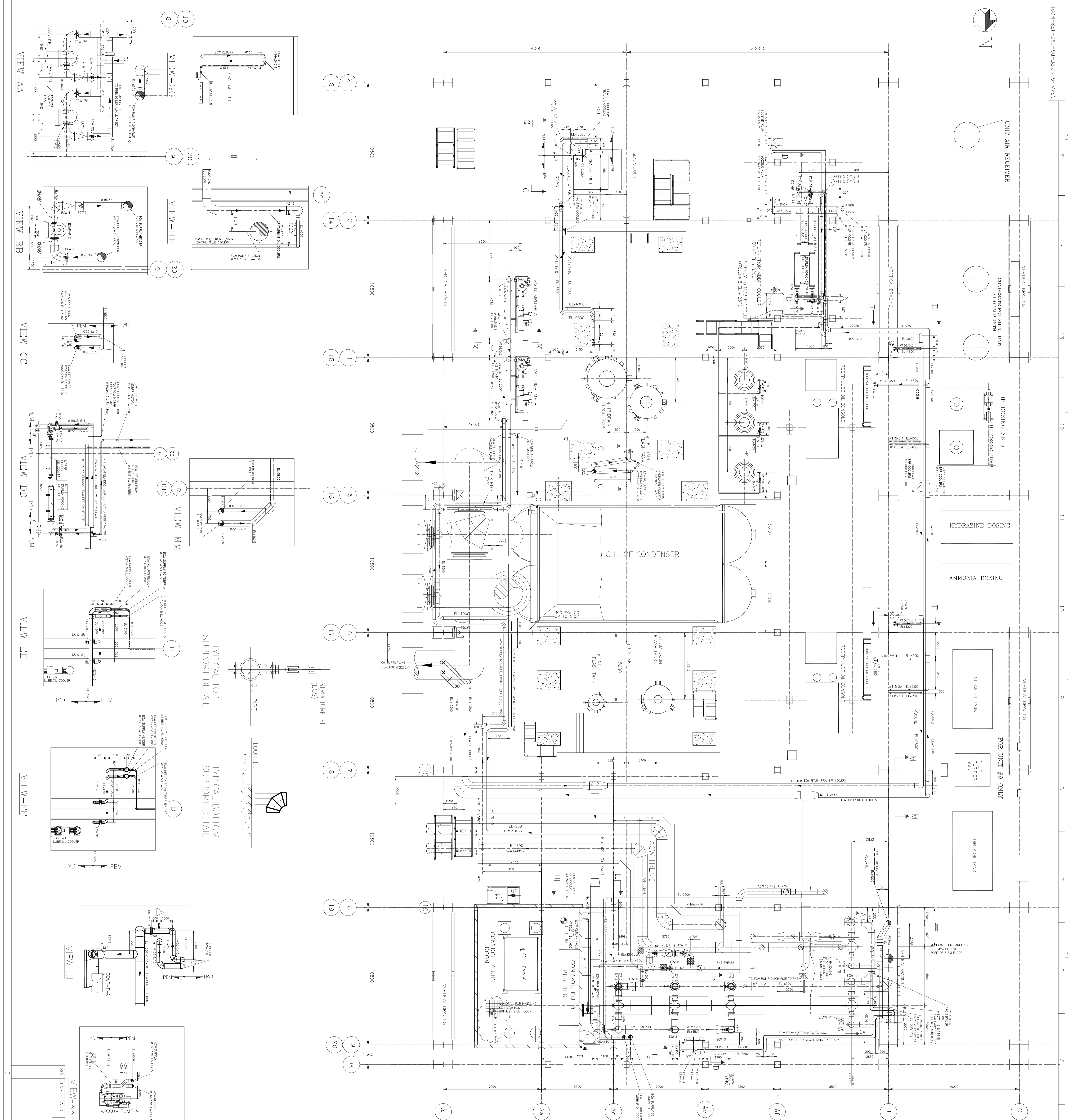
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JOB NO. : 288	PROJECT : UP RAYYA VIDYUT NGAM LTD. ANPARA(STAGE-D)
STATUS : CONTRACT	PROJECT : BHARAT HEAVY ELECTRICALS LTD
	PROJECT : 2x300 MW - UNIT 6 & 7
	PROJECT : POWER SYSTEM MANAGEMENT
	PROJECT : Noida
	TITLE : ACW & ECW PIPING BELOW 6.5m (TG HALL)

CUSTOMER : NTPC DRG. NO. 9464-108-01PE-PVM-P-015	DATE : 12/03/20
PROJECT : UP RAYYA VIDYUT NGAM LTD. ANPARA(STAGE-D)	DATE : 12/03/20
PROJECT : BHARAT HEAVY ELECTRICALS LTD	DATE : 12/03/20
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NOTES:-
 1. FOR NOTES & REFERENCE DRAWINGS REFER SHEET 2 OF 2.

COUNTER FLANGES FOR VALVES UNDER THE SCOPE OF BHEL/BJPL ARE SUPPLIED WITH VALVES AND THE SAME FOR BHEL/PEM PROCURED VALVES TO BE SUPPLIED BY PIPING CENTRE.

PIPE SIZES OF CS W/MT	NO.	UNIT	THICK.
40	02	1000	6.0
50	02	1000	6.0
60	02	1000	6.0
70	02	1000	6.0
80	02	1000	6.0
90	02	1000	6.0
100	02	1000	6.0
110	02	1000	6.0
120	02	1000	6.0
130	02	1000	6.0
140	02	1000	6.0
150	02	1000	6.0
160	02	1000	6.0
170	02	1000	6.0
180	02	1000	6.0
190	02	1000	6.0
200	02	1000	6.0
210	02	1000	6.0
220	02	1000	6.0
230	02	1000	6.0
240	02	1000	6.0
250	02	1000	6.0
260	02	1000	6.0
270	02	1000	6.0
280	02	1000	6.0
290	02	1000	6.0
300	02	1000	6.0

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