

CENTRIFUGAL PUMPS
2x100% RACK PUMP
VIVEK KUMAR SA Khan Praveen Kishore

FOR TENDER PURPOSE

LEGEND:-

SYMBOL	DESCRIPTION
	GATE VALVE
	GATE VALVE (NORMALLY CLOSED)
	GLOBE VALVE
	CHECK VALVE (NON-RETURN VALVE)
	POT STRAINER
	VOLUME CONTROL DAMPER(OPPOSD.BLD.)
	CENTRIFUGAL PUMP
	SS FILTER
	PRESSURE GAUGE
	PRESSURE SWITCH
	LEVEL SWITCH
	LOW LEVEL SWITCH
	TEMPERATURE INDICATOR
	FLOAT VALVE
	REDUCER
	SCOPE OF SUPPLY
	CENTRIFUGAL FAN
	DIFFERENTIAL PRESSURE SWITCH

- NOTES:-**
- SATURATION EFFICIENCY OF AIR WASHER SHALL BE 90% MINIMUM.
 - ALL AIR WASHER COMPONENTS INCLUDING FAN & DRIVE MOTOR BUT EXCLUDING PUMP SETS SHALL BE LOCATED WITHIN THE SHEET METAL CASING.

TITLE: P&I DIAGRAM FOR AIR WASHER SYSTEM

CUSTOMER
TSGENCO

PROJECT
X 800 MW KOTHAGUDEM TPS, TELANGANA

CONTRACTOR
BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT, NOIDA

DESIGN & DRAWN	NAME	DATE
CHECKED		
APPROVED		

REV. NO	DATE	DESCRIPTION	REV. BY	CHKD. BY	APPD. BY

DEPT. SCALE: 1:1
SIGN DATE
BHEL DRAWING NO: PE-DG-410-554-A001
SHEET: 1 OF 1 REV - 00

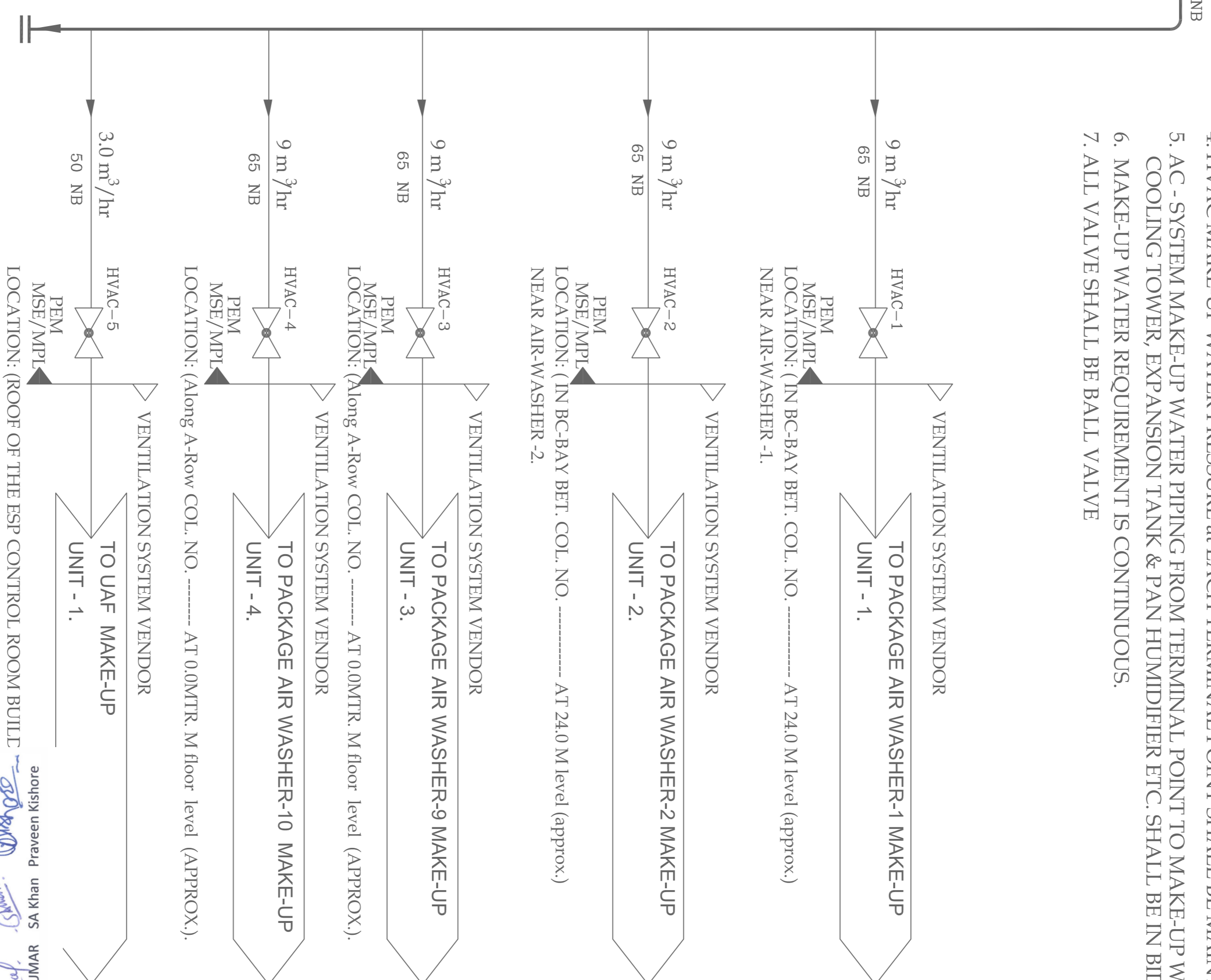
NOTE:-

1. MPL TO PROVIDE HVAC MAKE-UP WATER PIPING/FITTINGS UP TO THE TERMINAL POINT AS SHOWN IN DRG.
2. HVAC MAKE-UP WATER PIPING INCLUDING FITTINGS SHALL BE TERMINATED WITHIN THE RANGE OF 5 METER DISTANCE FROM MAKE-UP WATER TANK / AIR-WASHER BY MPL (UP PIPING VENDORS SCOPE) FURTHER PIPING SHALL BE DONE BY RESPECTIVE PLANT SUPPLIER AS MARKED IN THIS DRG.
3. FOR HVAC MAKE-UP WATER ISOLATING VALVES ENGINEERING & PROCUREMENT ETC. IN THE SCOPE OF MSE/MPL.
4. HVAC MAKE-UP WATER PRESSURE AT EACH TERMINAL POINT SHALL BE MAINTAINED 0.5 kg/cm2.
5. AC - SYSTEM MAKE-UP WATER PIPING FROM TERMINAL POINT TO MAKE-UP WATER TANK, COOLING TOWER, EXPANSION TANK & PAN HUMIDIFIER ETC. SHALL BE IN BIDDER'S SCOPE.
6. MAKE-UP WATER REQUIREMENT IS CONTINUOUS.
7. ALL VALVE SHALL BE BALL VALVE

55 M³/hr

REFER P&ID OF
PLANT WATER SYSTEM:
PE-DG-410-172-N001.

HVAC MAKE-UP (Clarified water)
FOR HVAC MAKE-UP
DISTRIBUTION AT VARIOUS
PLACES AND TERMINAL POINT
AS SHOWN IN DRG.



SA Khan Praveen Kishore
VIVEK KUMAR
TENDER PURPOSE

CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD.

JOB No.: 410
1 X 800 MW KOTHAGUDEM

STATUS	CONTRACT
1	X

BHARAT HEAVY ELECTRICALS LTD
PROJECT ENGINEERING MANAGEMENT
PPEI BLDG. PLOT NO. 25, SECTOR-16A, NODIDA

DATE	REV	BY	CHKD	APPD

SCALE: N-T-S
P&ID NO. PE-DG-410-554-4095
SHEET 1 OF 1 REV 0

