

# Annexure-2B

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## FILTER SEPARATOR/COALESCER FILTER DATASHEET

**PROJECT:** 1X370 MW YELAHANKA COMBINED  
CYCLE POWER PLANT

## DESIGN DATA/CALCULATION FOR FILTER SEPARATOR VESSEL

### A. DESIGN DATA

1. DESIGN CODE :
2. RADIOGRAPHY :
3. JOINT EFFICIENCY :
4. CORROSION ALLOWANCE : **3.2 mm**
5. DIA.OF VESSEL :
6. T/L TO T/L DISTANCE OF VESSELS :
7. TYPE OF SEPARATOR: VANE TYPE
8. NO.OF FILTER ELEMENTS :
9. CLEAN PR. DROP ACROSS FILTER SEPARATOR(  $\sqrt{V}$ ):
10. CHANGE OVER PR. DROP ACROSS FILTER SEPARATOR(  $\sqrt{V}$ ):
11. COLLAPSIBLE PR. DROP ACROSS FILTER SEPARATOR(  $\sqrt{V}$ ):

### 12. OPERATING PRESSURE[Kg/cm2(g)]

- i. NORMAL :
- ii. MINIMUM :
- iii. MAXIMUM :
- iv. MECH.DESIGN PRE. :

### 13. OPERATING TEMPERATURES(DEG C)

- i. NORMAL :
- ii. MINIMUM :
- iii. MAXIMUM :
- iv. DESIGN TEMP. :

### 14. FLOW (NM3/HR)

- i. NORMAL :
- ii. MINIMUM :
- iii. MAXIMUM :
- iv. DESIGN FLOW:


### B. MATERIAL OF CONSTRUCTION:

Sl. No.	Description	Construction	Permissible Stress [kg/cm2(g)]
a)	SHELL		
b)	DISHED END		
c)	NOZZLE/SUMP		
d)	PIPE CAP		
e)	FILTER ELEMENTS		
f)	VANE SEPARATOR		
g)	DAVIT ASSEMBLY		

NOTES:

☐ DEVIATION      ☐ NO DEVIATION

VENDORS SIGNATURES WITH SEAL

BHEL FORMAT NO: PEMC-1042, REV.00	PO NO:				
	PACKAGE NAME: GAS CONDITIONING SYSTEM				
 <b>BHARAT HEAVY ELECTRICALS LIMITED</b> <b>PROJECT ENGINEERING DIVISION</b> <b>RC PURAM - HYDERABAD -32</b>	PACKAGE VENDOR :	DATE	PREP	CHKD	APPD
	PROJECT :	VENDOR DOC.NO:			REV.
	CUSTOMER :				
		SHEET 01 OF 04			