

BHARAT HEAVY ELECTRICALS LIMITED
Project Engineering & Systems Division
Hyderabad

Annexure-5

Technical Information: H₂S Fraction

1. Specification of Hydrogen Sulfide (H₂S):

The H₂S Fraction is specified below for design basis:

Sl. No.	Parameter	UNIT	Value	Remarks
1.	H ₂ S	mol %	25	Min.
2.	Pressure	Kg/cm ² (a)	2.0	Min.

2. Fraction of Hydrogen Sulfide (H₂S):

The preliminary H₂S fraction is as below. There may be slight change in the final data, which shall be confirmed during detailed engineering.

Sl. No.	Constituents	H ₂ S Fraction	
		<i>Mole%</i>	<i>Nm³/hr.</i>
1.	H ₂ S	34.08	216
2.	COS	1.82	12
3.	CO ₂	44.14	279
4.	H ₂	0.18	1.0
5.	N ₂	19.61	125
6.	CO	0.01	0
7.	Ar	0.00	0
8.	CH ₄	0.02	0
9.	CH ₃ OH	0.13	1
10.	H ₂ O	0.0	0
11.	HCN	0.01	0
12.	NH ₃	0.0	0
	TOTAL	100	634