

3.0 DESIGN DATA

3.1 The pipeline data, design pressure, temperature and material parameters etc. are specified in the following tables for total pipeline system.

Table 1:

a) PIPELINE PARAMETERS

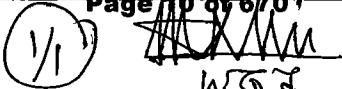
Size (NPS), mm	10",8",6" and 4"			
Service	Natural Gas (Non-Sour)			
Length of pipeline (ms.)	Dewas			
	8"-10000 6"-4000 4"-7000			
Design pressure (Barg)	49			
Design temperature (°C)	0 to +60			
Max. Gas Velocity, m/s (Design)	15			
Hydrostatic Test pressure	Note 2			
Rating of pipeline system #	300			
Number of SVs	9			
	8"-3			
	6"-2			
	4"-3			
Number of Terminals	-			
Number of TOPs	Refer Note (3)			
Design life, years	40			
Operating pressure range (barg)	11 – 19			
Operating Temperature (Deg C)	35 °C			

Note 1: The operating pressure and flow rate ranges given are initial estimates. These can be upwardly revised to a MAOP of 49 barg provided the design pressure of the weakest element in the system is not exceeded and the sustained velocity of gas is within the limits.

Note 2: Minimum test pressure shall be 1.5 times the design pressure. However, the maximum test pressure at the lowest point of the test section or at the section with the least wall thickness shall be limited to hoop stress resulting in 95% of SMYS.

Note 3: Refer Pipeline Schematic & P & ID for the location and number of TOP's.
Chemical composition of Gas is given in Annexure – 1.

	<p align="center">DESIGN CRITERIA FOR PIPELINE</p>	DOCUMENT NO.	REV
		11-0290-02-07-04-001	0
		SHEET 4 OF 29	

Page 10 of 670

 WGE
 26/11/10