Schedule B

[see regulation 5(5)(b)(viii)]

Format for furnishing information regarding determining capacity of Petroleum and Petroleum Products Pipeline

Г

	1 Name of Entity	cum Floducts Pipeline
		INDIAN OIL CORPORATION LIMITED
	Address and Contact details of Entity	Southern Region Pipelines House of Four Frames, 6/13, Wheatcroft Poord
1	Name of Petroleum and Petroleum Products Pipeline	Nungambakkam, Chennai, Tamil Nadu-600 03 CHENNAI-TRICHY-MADURAI PIPELINE
4	Name of Software package used for determining capacity	Pipeline Studio
5	1 171	
6	Details of injection/entry point and delivery/exit points and sections on the pipeline	Entry Point : Manali Pumping Station Delivery Points: Trichy ToP, Madurai Terminal and Sankari Terminal Sections : Chennai-Asanur, Asanur-Trichy, Trichy-Madurai and Asanur-Sankari Sections
7	Quality of various products being transported in the pipeline	BS-IV HSD, BS-IV MS and SKO are transported through the pipeline which conform to IS-1460:2005, IS-2796:2008 and JS
8	Constant and variable parameters used under steady state conditions for determining capacity of the pipeline	1459:1974 respectively with their amendments Details Enclosed as Annexure-I
9	Entity agrees to have considered the Technical standards, specifications and safety standards as specified by the Board	Yes/ Mo
0	Entity agrees to have considered the relevant provisions of Petroleum and Natural Gas Regulatory Board Regulations	Yes/ 💥
1	Quality specifications considered for the purpose of capacity	High Speed Diesel with a specific gravity of 0.85 and kinematic viscosity of 5cSt @ 20°C

03/

	determination	
12	Capacity of the pipeline under existing operating conditions	2.3 MMTPA
13	Maximum achievable Capacity of the pipeline under steady state conditions as determined under section 5 of these regulations	2.3 MMTPA considering 8000 Hrs of Operation in a Year and without injection of Flow Enhancers
14	Section wise maximum achievable capacity of the pipeline as determined under section 5 of these regulations	Chennai-Asanur : 2.30 MMTPA Asanur-Trichy : 1.30 MMTPA Trichy-Madurai : 0.85 MMTPA Asanur-Sankari : 1.00 MMTPA
	Expected addition of entry points and exit points scheduled in near future	-

Note: Submit the system flow diagram & hydraulic gradient

07 03/10

आर रामदास / R Ramdas महाप्रबंधक (प्र एवं त) / General Manager (Opros & इंडियन ऑयल कॉर्पोरेशन लिमिटेड Indian Oil Corporation Limited Southern Region Pipelines "House of Four Frames" 6/13, Wheatcroft Road, Nungambakkam, Chennai - 600 034.

Annexure-I

C NL	CONSTANT	PARAMETERS
S. No.	Parameter	Details
	Outer Diameter	Chennai-Asanur : 14.00"
1		Asanur-Trichy : 10.75"
		Trichy-Madurai : 10.75"
		Asanur-Sankari : 12.75"
2	Length	Chennai-Asanur : 255 KM
2		Asanur-Trichy-Madurai : 271 KM
3		Asanur-Sankari 158 KM
4	Roughness	45 microns
5	Velocity	2 m/s (Max)
5	STP	101325 hor 1500
1	VARIABLE P	ARAMETERS
1 2	Operating Temperature	30 °C (Summer/ Winter)
3	Inlet Temperature	20-45 °C
3	Outlet Temperature	20-45 °C
	Inlet Pressure/ Outlet Pressure	MAOPs
4		Chennai-Asanur : 101 Kg/cm ²
4		Asanur-Trichy : 107 Kg/cm ²
		Trichy-Madurai :107 Kg/cm ²
5		Asanur-Sankari : 104 Kg/cm ²
5	Source Supply Flow	338 K1/Hr
	Delivery Flow	Trichy : 65 Kl/Hr
6		Madurai : 129 Kl/Hr
0		Sankari : 144 Kl/Hr
		(Considering 8000 Hrs Operation in a Voor
_		and with injection of Flow Enhancers)
7	Elevation Difference	Details Enclosed as Annexure-II
		(Hydraulic Gradient)

6 Cu 03/10





