## Schedule B

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

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

1	Petrole  Name of Entity	um Products Pipeline
	of Entity	INDIAN OIL CORPORATION LIMITED
2	Address and Contact details of Entity	Southern Region Pipelines House of Four Frames, 6/13, Wheateroft Pool
3	Name of Petroleum and Petroleum Products Pipeline	Nungambakkam, Chennai, Tamil Nadu-600 03 CHENNAI-TRICHY-MADURAI PIPELINE
4	Name of Coff	Pipeline Studio
5	Approved Flow equation used (mention name of flow equation)	
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	transported through the pipeline which conform to IS-1460:2005, IS-2796:2008 and IS
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/ No
0	Entity agrees to have considered the relevant provisions of Petroleum and Natural Gas Regulatory Board Regulations	Yes/
1 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



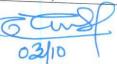
	determination	
12	Capacity of the pipeline under existing operating conditions	2.3 MMTPA
13	Maximum achievable Capacity of the pipeline under steady state conditions as determined under section 5 of these regulations	2.3 MMTPA considering 8000 Hrs of Operation in a Year and without injection of Flow 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

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

## Annexure-I

CNI	CONSTANT	PARAMETERS
S. No.	Parameter	Details
1	Outer Diameter	Chennai-Asanur: 14.00" Asanur-Trichy: 10.75" Trichy-Madurai: 10.75"
2	Length	Asanur-Sankari : 12.75" Chennai-Asanur : 255 KM Asanur-Trichy-Madurai : 271 KM
3	Roughness	Asanur-Sankari 158 KM
4	Velocity	45 microns
5	STP	2 m/s (Max)
		1.01325 bar, 15°C
1	Operating Temperature	ARAMETERS
2	Inlet Temperature	30 °C (Summer/ Winter)
3	Outlet Temperature	20-45 °C
	outlet Temperature	20-45 °C
4	Inlet Pressure/ Outlet Pressure	MAOPs Chennai-Asanur: 101 Kg/cm <sup>2</sup> Asanur-Trichy: 107 Kg/cm <sup>2</sup> Trichy-Madurai: 107 Kg/cm <sup>2</sup>
5	Source Supply Flow	Asanur-Sankari : 104 Kg/cm <sup>2</sup>
6	Delivery Flow	338 Kl/Hr Trichy: 65 Kl/Hr Madurai: 129 Kl/Hr Sankari: 144 Kl/Hr (Considering 8000 Hrs Operation in a Year
7	Elevation Difference	and with injection of Flow Enhancers)  Details Enclosed as Annexure-II  (Hydraulic Gradient)



SDH (WCL)

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MADURAI

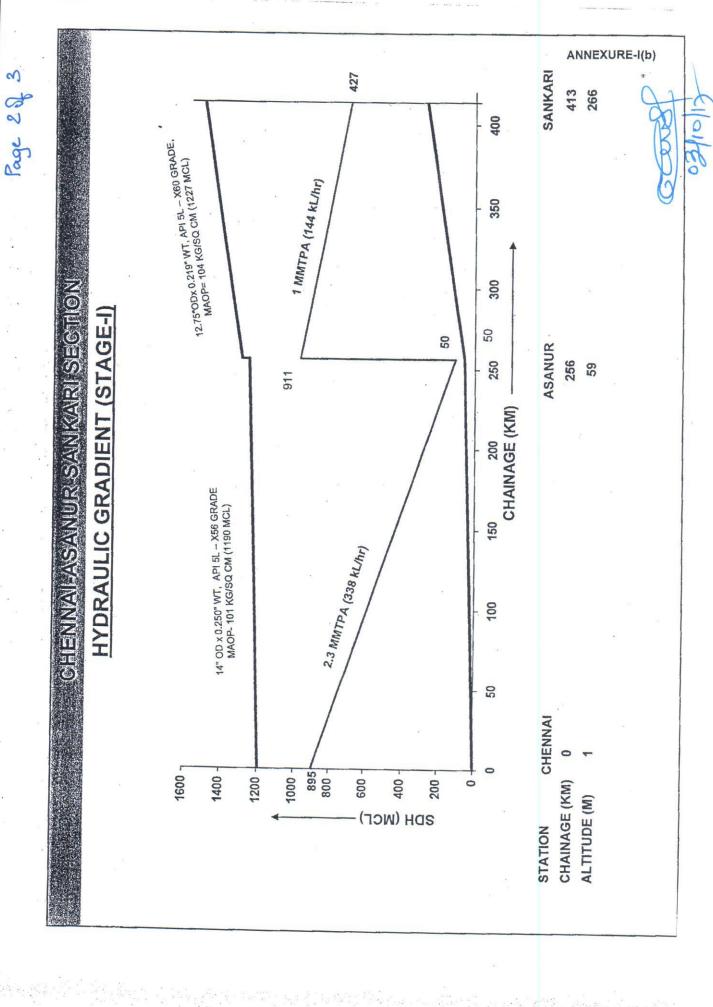
TRICHY 371 73

> 256 59

CHAINAGE (KM) ALTITUDE (M)

STATION

526 132



STATION

FROM

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