Schedule B

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

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

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| | 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 |

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| | 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

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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) |

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