



Indian Strategic Petroleum Reserves Limited

EXECUTIVE SUMMARY

Introduction: To ensure energy security, the Government of India has decided to set up strategic crude oil storage facilities at three locations. Indian Strategic Petroleum Reserves Limited (ISPRL), a Special Purpose Vehicle (SPV) created for this purpose, is building 5.33 Million Metric Tonnes (MMT) of crude oil reserves at Visakhapatnam (1.33 MMT), Mangalore (1.5 MMT) and Padur (2.5 MMT). The projects are nearing completion and the Physical progress of the projects is as follows. Visakhapatnam 98.9 %, Mangalore 97.1% and Padur 94.3%. The Mangalore and Padur projects will be filled and evacuated through a scheme developed jointly with Mangalore Refineries and Petrochemicals Limited (MRPL). The scheme involves, a) A 48 inch pipeline from a SPM to the Mangalore cavern via a Booster station and an Intermediate Valve Station (total length 29 kilometers), b) A 42 inch pipeline (36 km long) from the Intermediate Valve Station (IVS) to Padur Cavern and c) A 36 inch pipeline (4 km long) from Mangalore cavern to MRPL Refinery. A 17 kilometer long 48 inch sub-sea pipeline from SPM to Booster station has already been laid by MRPL. A 12 kilometer long 48 inch pipeline from Booster station to Mangalore Cavern, and a 36 kilometer long 42 inch pipeline from Intermediate Valve Station (IVS) to Padur Cavern are being laid by ISPRL. A 4 kilometer long 36 inch pipeline from Mangalore Cavern to MRPL has already been laid by MRPL. CRZ clearance is being sought for a 1.4 km section of the ROU for the 12 kilometer long 48 inch pipeline

Project Description: The subject project which is being executed by ISPRL involves:

- 1) Laying of the 12 kilometer long 48 inch pipeline from Booster Station (Mangalore Port Area) to Mangalore Cavern (located east of the MRPL Refinery) via an Intermediate Valve Station.
- 2) Laying of a 36 kilometer long 42 inch pipeline from the Intermediate Valve Station to Padur Cavern (located in Udupi district).

The 12 kilometer long, 48 inch pipeline passes through a CRZ area (1.4 kilometers) before crossing the Konkan Railway and entering the Intermediate Valve Station

CRZ clearance: M/s. ISPRL has obtained Environmental Clearance from MoEF, GoI for construction of 1.5 MMT Strategic Crude Oil Facility in Underground Rock Cavern at Mangalore vide F. No. J-11011/1/2008-IA II (I) dated 11.03.2008. M/s. ISPRL has also obtained Environmental Clearance from State Level Environment Impact Assessment Authority for Construction of 2.5 MMT strategic crude oil storage facilities underground rock caverns, above ground facilities and crude oil pipeline at Padur Village, Udupi Taluk vide File No. SEIAA 62 IND 2008 dated 31.12.2009.

ISPRL is seeking CRZ clearance for the 1.4 kilometer length of the pipe line passes through CRZ area in Bykampady and Thokur Villages. The proposal was considered in the Karnataka State Coastal Zone Management Authority (KSCZMA) meeting held on 25th February 2014 and the Authority has recommended CRZ Clearance to the 1.4 Km of pipe line as it is a permitted activity under Para 8. I CRZ-I (i) (b) of CRZ notification 2011.

Accordingly, as per the decision of the KSCZMA, all the necessary documents have been submitted to MOEF for consideration of Environmental Clearance to the pipe line proposed by M/s ISPRL. Engineers India Limited is the Project Management Consultant for the ISPRL projects.