

## **BRIEF SUMMARY**

### **Projects: Augmentation of Mathura Tundla Pipeline (MTPL)**

#### **Introduction**

Product availability at Barauni refinery is not adequate to meet demand of all marketing ToP(s) linked to Barauni Kanpur Pipeline (BKPL). Majority requirement of Allahabad and Kanpur ToP(s) are met from various sources either from Rail or Road which results in increase in logistics cost for positioning of products at Kanpur and Lucknow.

In view of this there is need to supplement product supply arrangements for existing IOCL marketing ToPs linked to BKPL. Both Kanpur and Lucknow are located geographically closer to Mathura refinery, and laying a pipeline from existing Tundla station of Mathura-Tundla Pipeline(MTPL) to Gawaria T-Point of BKPL will create a connectivity for product movement station from Mathura refinery and provide reliable supply to Kanpur and Lucknow.

The projected throughput of Mathura-Tundla pipeline after its linkage to Lucknow and Kanpur is projected to touch 3.898 MMTPA combined for 3 existing ToPs at Tundla , Kanpur and Lucknow and 3.171 MMTPA for Lucknow and Kanpur alone.

In view above facts and long term throughput projections augmentation of Mathura-Tundla pipeline has been envisaged.

Pipelines are superior means of transportation of petroleum products compared to other modes in terms of reliability, economy, safety, flexibility, low energy consumption, low transit losses and negligible environmental impact. Construction of pipeline linkage would also provide relief to other modes of transportation for movement of essential commodities.

#### **Nature of the Project**

It is proposed to augment capacity of MTPL from 0.8 MMTPA to 4 MMTPA. 251 kms of Pipeline laying work is involved from Tundla to Gawaria (T-Point of existing BKPL) in State of Uttar Pradesh. Augmentation of existing facilities at Mathura, Tundla, Gawaria and Allahabad is envisaged.

The capacity of various sections proposed in MTPL-augmentation is tabulated:

Sections	Proposed Capacity in MMTPA
Mathura-Tundla	0.8
Tundla-Allahabad	3.2

  
Indian Oil Corporation Limited  
08.1.19

**System Configuration**

The scheme for augmentation of MTPL broadly involves the following activities.

- ❖ Installation of three Mainline Pumping Units (MLPUs) at Mathura
- ❖ Laying of about 251 km, 16"OD x 0.25" WT API 5L-X60 Grade pipe from Tundla to Gawaria
- ❖ Installation of three MLPUs at Tundla considering delivery at Kanpur/Lucknow/Allahabad
- ❖ Hook-up of Tundla-Gawaria section at Gawaria T-point on BKPL
- ❖ Two transmix tanks of 500 kL capacity each at Tundla
- ❖ Modification in Piping etc. at Mathura Refinery to meet higher flow rate requirement
- ❖ Modification in existing piping network at Allahabad, Tundla and Mathura for facilitating products pumping in both direction

**Land form, Land use and Land ownership**

The proposed new pipeline segment of MTPL between Tundla and Gawaria would originate from existing IOC delivery station at Tundla and traverse towards east direction. It would follow an independent route till IOC terminal at Gawaria. The pipeline would cross various non-perennial rivers, canals, National/State Highways, railway lines, major roads and other water bodies. The entire pipeline route from Tundla to Gawaria would traverse through 7 districts of Uttar Pradesh viz. Agra, Firozabad, Mainpuri, Etawah, Auraiya, Kanpur Dehat & Kanpur Nagar. The terrain along the pipeline route is predominantly flat.

**Project Schedule & Cost Estimates**

The proposed scheme is expected to be completed in a period of about 30 months after receipt of statutory clearances.

The proposal of augmentation of capacity of Mathura Tundla Pipeline to 4.0 MMTPA is estimated to cost Rs. 638 crore at Nov'16 level.

\*\*\*\*\*

