

# Annexure-VII

# Overview of KG Basin Pipeline Network in Andhra Pradesh

Sr.No	Particulars	Details
01	Total Length of the P/L Network	891.922 Km (76 Sections)
02	Dia. of the Pipeline	4 inch to 24 inch
03	Piggable (Nos & Length) Non Piggable (Nos & Length)	38 Nos & 843.235 38 Nos & 48.687
04	Trunk Lines Feeder Lines Spur Lines	13 Nos & 561.790 Km 19 Nos & 79.267 Km 44 Nos & 250.865
05	Districts Through Which Pipeline Passes	7 (East Godavari, West Godavari, Krishna, Eluru, Kakinada, NTR, Konaseema)
06	Type of Installations along the Pipeline	75 Nos (DT / RT / IP / SV / Tap Off / Tap In)
07	No. of Maintenance Bases	Tatipaka, Vijjeshwaram, Kakinada, Gudivada & Lanco Kondapalli
08	Acceptance of Authorization by PNGRB	04.04.2013



# **Salient Points KG Basin Pipeline Network**

- Laying of 12” Dia. x 38.44 Km Bantumilli – Ullamparru Pipeline with design capacity of 0.7 MMSCMD is completed and awaiting for the gas supply from ONGC at Bantumilli.
- Capacity of KG Basin Pipeline Network was considered approximately 16 MMSCMD considering the availability of APM gas (ONGC), gas from Ravva fields (CEIL) and KG-D6 gas (Reliance) and the operation of major industries in Fertilizer and Power Sector such as NFCL (Two Units), Lanco Power plant, APGPCL, GVK-I &II, GREL, GMR-VPGL, SPGL, KGPL, REL, GPL etc., and other small consumers.
- Presently all the power plants in KG Basin are under shutdown due to various reasons – Lanco & KGPL under NCLT and others due to non availability of KG-D6 gas and non-viability of power generation due to price of gas.

# **Salient Points KG Basin Pipeline Network**

- New 24” Dia. x 14.091 Km Odalarevu – Bodasakurru Pipeline Section was commissioned in 2018 with system capacity of 5.2 MMSCMD to evacuate additional volumes of gas from ONGC(EOA). However, the current supplies are only 1.8 MMSCMD
- As per MoPNG guidelines, APM gas allocated to power plants is being diverted to Maharashtra CGD network through PIL at Oduru delivery point.
- M/s NFCL is the anchor Customer in KG Basin. For Operation of 2<sup>nd</sup> Unit of NFCL, RLNG gas is being supplied.

# ***Salient Points KG Basin Pipeline Network***

- The following customers informed GAIL to vacate the premises and to remove the GAIL facilities;
  - M/s LANCO-Under NCLT
  - M/s KGPL-Under NCLT
  - M/s APGPCL
  - M/s SGPL
  - M/s REL
  - M/s GMR Barge

At some of the above locations, terminal facilities are being planned for shifting to other locations for continuation of the gas supply to the downstream consumers & to assess the pipeline integrity.

- Similarly, other power plant customers (GVK, GMR, etc.,) may inform to remove the facilities from their premises

## Limiting Conditions in Trunk Pipelines

S/N	Section Code	Section Name	Size (Inch)	Length (Km)	Comm	Design Pressure	MOP	Remarks
1	10600101	TATIPAKA-K.CHERUVU	18	44.083	1992 / 2003 / 2015 / 2018	72	-	10 Km Section under replacement in PRP-3
2	10600102	K.CHERUVU - ODURU	18	10.540	2009	72	72 *	
3	10600103	ODURU- KJ POINT	18	20.04	2017	92	72 *	
4	10600104	KJ POINT - NFCL	18	19.077	2000	72	50	MOP shall not exceed to 50 Kg/cm <sup>2</sup> as per PESO approval. However, MAOP as per ILI-FFP is 72 Kg/cm <sup>2</sup>
5	10600201	TATIPAKA - KJ POINT	24	75.650	2016	72	72 *	
6	10600202	K.J. POINT - NFCL	18	19.120	2017	92	72 *	

\* Also, whenever the gas is delivered to M/s PIL at Oduru, it is connected to Suction side of Compressors of PIL and therefore, the pressure is limited to 46 to 48 bar.

# Limiting Conditions in Trunk Pipelines

S/N	Section Code	Section Name	Size (Inch)	Length (Km)	Comm	Design Pressure	MOP	Remarks
7	10600301	NARASAPUR-APGPCL	12	62.096	2000	72	40	MOP shall not exceed to 40 Kg/cm <sup>2</sup> as per PESO approval. However, MAOP as per ILI-FFP is 72 Kg/cm <sup>2</sup>
8	10600401	NARSAPUR - APGPCL	8	60.259	2017	72	72	
9	10600402	APGPCL - KOVVURU	8	11.171	2017	72	72	
10	10600501	TATIPAKA - CHINCHINADA	24	19.670	2016	72	72	
11	10600502	CHINCHINADA - MORTHA	18	44.844	2001	72	50	MOP shall not exceed to 50 Kg/cm <sup>2</sup> as per PESO approval. However, MAOP as per ILI-FFP is 72 Kg/cm <sup>2</sup>
12	10600503	MORTHA - LANCO (KONDAPALLI)	18	139.818	2001	72	30	MOP shall not exceed to 30 Kg/cm <sup>2</sup> as per PESO approval. However, MAOP as per ILI-FFP is 72 Kg/cm <sup>2</sup> . Also, First 23.5 Km (Mortha – Tadepalli Section) is under replacement in PRP-3
13	10600601	KCHERUVU - GVK	16	35.422	2005	72	72	

# Thank You



**GAIL (India) Limited**