

Comments:

Format for submission of views on the Expression of Interest submitted by IOCL for development of Petroleum and Petroleum Product (ATF) pipeline from Palwal (Haryana) to upcoming Jewar International Airport

Ref: Public Notice No: PNGRB/Auth/3-PPPL (01)/2021 Date: 18.01.2021

Views in respect of the Expression of Interest

EOI Ref. No. PL/PJ/S/PJATFPL/I

1Name of the entity / person

Mr. Amit Aggarwal

2Complete address

Reliance Industries Limited, Gopal Das Bhavan, New Delhi – 110 001

3E-mail ID/ telephone / fax

Amit.Aggarwal@ril.com

4Identification proof (in case of an individual person)

Not applicable

5Views and suggestions related to:

Petroleum Products Pipeline proposed by the entity for laying, building, operating or expanding Petroleum and Petroleum

Products Pipeline: Petroleum Product (ATF) pipeline from Palwal (Haryana) to upcoming Jewar International Airport

The point of injection of product (ATF) in the proposed pipeline is stated as Palwal where IOCL would develop its own ATF storage facility by receiving ATF from Mathura. The delivery/termination point of the proposed pipeline is stated as Aviation Fuel Farm within Jewar Airport.

The proposed pipeline along with the associated storage facilities and pumping stations are integral part of the supply chain for ATF supplies to upcoming Jewar Airport.

To promote a competitive market for supply and distribution of ATF to Jewar Airport, the proposed pipeline should be declared Common Carrier and the storage facilities at Palwal are to be provided on non-discriminatory basis with equal opportunity to all the shippers to place their product at the injection point, either by connecting through pipelines or through tank trucks. This off-site infrastructure is a critical part of the overall ATF supply chain and hence due importance is to be

Identification proof (in case of an individual person)

Not applicable

5 Views and suggestions related to:

Petroleum Products Pipeline proposed by
a) the entity for laying, building, operating
) or expanding Petroleum and Petroleum

Products Pipeline: Petroleum
Product (ATF) pipeline from
Palwal (Haryana) to
upcoming Jewar
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To promote a competitive market for supply and distribution of ATF to Jewar Airport, the proposed pipeline should be declared Common Carrier and the storage facilities at Palwal are to be provided on non-discriminatory basis with equal opportunity to all the shippers to place their product at the injection point, either by connecting through pipelines or through tank trucks. This off-site infrastructure is a critical part of the overall ATF supply chain and hence due importance is to be accorded to inclusion of the facilities in the scope of Common Carrier pipeline so that all interested shippers can get access to the infrastructure without any operational constraints.

b) Other aspects of the proposal

The access to terminal facilities should be provided to all shippers under open access principles to enable shipping of product (ATF) through the proposed pipeline without any limitation.

c) Any other issue

The usage charges should be common for all shippers on arm's length basis.

Format for submission of views on the Expression of Interest for

EOI by Indian Oil Corporation Limited to Lay, Build and Operate Petroleum Product (ATF) Pipeline from Palwal (Haryana) to upcoming Jewar International Airport (Uttar Pradesh)

Views in respect of the Expression of Interest		<Indicate reference of the EOI> : Public Notice No. PNGRB/Auth/3-PPPL(01)/2021 Date: 18 th January, 2021
	Name of the entity / person	Hindustan Petroleum Corporation Ltd.
2	Complete address	Hindustan Petroleum Corporation Ltd., Hindustan Bhawan , 8 SV Marg, Ballard Estate, Mumbai - 400 001
3	E-mail ID/ telephone / fax	Email: rajendrat@hpcl.in , Telephone: 022-22637000 extn-7216, Fax : 22611776
4	Identification proof (in case of an individual person)	N.A.
5	Views and suggestions related to:	Use of proposed common carrier pipeline by HPCL for transportation of ATF to Jewar International Airport
a)	Petroleum Products Pipeline proposed by the entity for laying, building, operating or expanding Petroleum and Petroleum Products Pipeline	HPCL is in Aviation Turbine Fuel business and meets ATF requirements of its domestic and international airline customers at 44 airports across India. To meet the fuel requirements of HPCL's customer at the Jewar Airport and also to meet the condition of Carbon Net Zero at Jewar Airport, HPCL can bring ATF through Rake if unloading facility is made available at Palwal (Haryana). The product may further be transported from Palwal to Jewar Airport Common Fuel Farm Facility using the Pipeline being proposed by IOCL. Modalities can be finalized on providing clarity of above proposal. Usage of pipeline by all users will also facilitate the objective of developing Carbon Net Zero Airport at Jewar by Airport Authorities.
b)	Other aspects of the proposal	
c)	Any other issue	

(*) To be separately submitted for each pipeline.

Date: 18-02-2021

Place: Mumbai

R. D. Thikekar



R. D. Thikekar

GM – Aviation (Operations)
HPCL

Name and Signature of Entity/ Individual Person
Official Seal (in case of Entity)



Format for submission of views on the Expression of Interest for Laying, Building and Operating ATF Pipeline from Palwal (Haryana) to upcoming Jewar International Airport

Views in respect of the Expression of Interest		PNGRB/Auth/3-PPPL(01)/2021
1	Name of the entity / person	Sanmarg Projects Private Limited
2	Complete address	7th Floor, Tradex Tower, Plot No. 15 A, Sector 125, Noida- 201303, Uttar Pradesh, India
3	E-mail ID/ telephone / fax	gsharma@sanmargprojects.com
4	Identification proof (in case of an individual person)	-
5	Views and suggestions related to:	
a)	Petroleum Products Pipeline proposed by the entity for laying, building, operating or expanding Petroleum and Petroleum Products Pipeline	Refer Annexure 1 (Attached)
b)	Other aspects of the proposal	-
c)	Any other issue	-
	Date: 09.02.2021	 
	Place: Noida	
		Col. Gaurav Sharma, Director
		Name and Signature of Entity/ Individual Person
		Official Seal (in case of Entity)

Annexure 1 - Comments on EOI for Laying, Building and Operating ATF Pipeline from Palwal (Haryana) to upcoming Jewar International Airport

Comments for consideration :

Pipelines are eco-friendly, reliable, safe and cost effective mode of supplying ATF to Airport. The Pipeline system is least affected by surface disturbance and reduces the road congestion. Accordingly, all the major airports are connected through a pipeline system like Mumbai, Chennai, Kolkata, Bangalore, Kochi etc.

The POL supply system of NCR and NCT (New Delhi)

The NCR's POL sourcing is mainly through the pipeline system. The various Oil companies have linked to the NCT through the pipeline system. At present a pipeline from Bijwasan terminal of an oil company to Airport, is operational for meeting ATF requirement of Delhi airport.

The product including ATF can be sourced through the following pipeline system to NCR.

IOC

- Multi product Pipeline from Mathura Refinery to New Delhi Bijwasan and Tikri Kalan Terminal (Cap 3.7 MMTPA)
- Multi product Pipeline from Panipat to Bijwasan Terminal (Cap 3.0 MMTPA)
- ATF Pipeline from Panipat to Bijwasan terminal

BPCL

- Multi Product Pipeline from Mumbai Manmad Bijwasan Pipeline Terminal (Cap 6 MMTPA)

HPCL

- Multi product Pipeline from Bhatinda Refinery (Punjab) Ramanmandi to Bahadurgarh terminal (7.1 MMTPA)
- Mundra Delhi Pipeline (6.9 MMTPA)
- Bahadurgarh Tikri Pipeline (spur line of 14 Km)

The Proposed Expression of Interest by Indian Oil :

- 14" ODx 0.25"X60: 36 Km Pipeline Capacity 2.50 MMTPA ; Projected Throughput – 2029-30 : 0.70 MMTPA 2039-40: 1.80 MMTPA
- Originating Station Palwal in Haryana
- Terminating Location Jewar Airport Tank farm
- The tapping from Existing Mathura Delhi multi product Pipeline (A captive Pipeline at present), is to be taken. A product storage tank farm (ATF) is proposed to be created at Palwal (Haryana) and Pipeline is proposed from the Palwal terminal to Jewar Airport

Annexure 1 - Comments on EOI for Laying, Building and Operating ATF Pipeline from Palwal (Haryana) to upcoming Jewar International Airport

Analysis

As mentioned above the various sources of supplying petroleum products to NCR/ NCT including ATF, accordingly, ATF can be sourced at Delhi/ NCR through the above mentioned pipeline system of PSUs.

A common user terminal at Palwal can be created (In line with RAIPUR terminal being operated by IOTL), wherein the IOCL product from Mathura Refinery through Mathura Delhi Pipelines, BPCL Product Ex Bijwasan terminal through road bridging and HPCL Product Ex Tikri Kalan through road bridging can be sourced. Alternatively the Mathura Delhi Pipeline having capacity of 3.7 MMTPA, can be converted into Common carrier pipeline as present utilisation is in the range of 40-50 % only. From a common user terminal a common carrier pipeline can be originated for meeting the ATF requirement of Jewar International Airport

- The approximate Distance (Road) from HPCL Tikrikalan Terminal to Palwal Haryana : 129 km
- The approximate Distance (Road) from BPCL Bijwasan to Palwal Haryana : 69 km
- ❖ If the, Pipeline is laid from Bijwasan to Jewar International Airport by BPCL the approximate distance would be **56km**
- ❖ If the, pipeline from Tikri Kalan terminal of HPCL is laid to Jewar International Airport would be approximately **70km**
- ❖ And similarly Pipeline from Bahadurgarh HPCL terminal shall be approximately **120km**

Wherein the Pipeline distance from Palwal to Jewar International Airport is approximately **36km** only

In view of the above the option for laying a pipeline from suitable place at Palwal to Jewar International Airport shall be shortest as proposed by Indian Oil vide their letter dated 24th Dec 2020

Present scenario and suggestion: Reference Union Budget 2021-22 FM announced the demonetisation of Pipelines of IOC, HPCL and GAIL in the budget, a timeline of the actualisation shall be firmed up in consultation with PSUs and Ministry etc. BPCL bid has already been received for monetization as on date BPCL also owns nearly 2300 Kms of product pipelines. **The budget speech indicates that pipelines in near future would be owned by Independent entities and may be leased for operation and maintenance to existing Oil companies / other bodies etc. Hence, pipelines may not continue to be assets of Individual Oil Company rather common independent facilities as means of supply chain.**

Annexure 1 - Comments on EOI for Laying, Building and Operating ATF Pipeline from Palwal (Haryana) to upcoming Jewar International Airport

The Mathura Delhi Section 16", 140 km section already having surplus capacity (Cap 3.7 MMTPA present utilisation 40-50 % only), so upon making it common carrier as such not much addition or modification is required. The PSUs have tankage facilities already existing at Mathura, their product (ATF) may also be injected into Mathura Delhi Pipelines for delivery at Palwal. A Common user tank farm (ATF) may be created by an independent identity and a common use pipeline can be laid from the proposed Palwal ATF terminal to Jewar International Airport.

The Pipeline Laying from Palwal has been considered on account of following:

- Route is relatively short
- ROW availability would not pose much challenge in states of Haryana and UP
- The avoidance of congested area of Delhi (National Capital Territory)
- Economy due to shortest route
- Faster Execution as no much congestion is evident
- No major river crossing/ sea creek is involved.
- No reserve forest sanctuary is , prima facie observed.

Alternatively the Pipeline can be laid from Bijwasan Terminal in New Delhi, Tikri Kalan Terminal or Bahadurgarh terminal but as mentioned above, in each case distance is much higher requiring higher capex and laying through the congested New Delhi area.

Recommendations

The Probable option of ATF Sourcing through Pipeline for Jewar International Airport

1. Create a common user terminal at Palwal, particularly those that have Pipelines presence in NCR (considering economy of scale). The common user participants can source or bring products to the terminal through Pipeline (for IOC), nearby Pipeline terminal plus road bridging for BPCL and HPCL etc..Then a common carrier Pipeline by an independent entity on a Design-Build-Operate-Maintain (DBOM) basis of adequate capacity may be created from Palwal to Jewar airport, for meeting present and future requirements of ATF.
2. On similar lines, as (1) above, a common user pipeline fed terminal (fuel tank farm) may be considered at Airport
3. IOC to convert Mathura Delhi Pipeline to common carrier Pipeline and transport other OMCs product (ATF) through Pipeline system and feed common user terminal. Then an independent entity may be permitted to lay the pipeline on a DBOM basis.

Annexure 1 - *Comments on EOI for Laying, Building and Operating ATF Pipeline from Palwal (Haryana) to upcoming Jewar International Airport*

4. Permit Indian Oil to create terminal and lay Pipeline as common carrier with regulatory margin of 25 % spare capacity for other user products in line with the EOI
5. Shortest distance point (Piyala Depot) on Mumbai Manmad Bijwasan Pipeline (BPCL) from Jewar International Airport to be established from Pipeline route and feasibility of ATF sourcing from this pipeline, may be explored.

Disclaimer

The above suggestions and recommendations are based on the best of knowledge from public sources. It is not conclusive in terms of verified & vetted analysis from any stakeholder. The user is advised to get any information provided duly vetted from concerned authorities and stakeholders.

**Petroleum and Petroleum product (ATF) pipeline from Palwal
(Haryana) to upcoming Jewar International Airport (Uttar
Pradesh).**

Views in respect of the Expression of Interest		PNGRB/Auth/3-PPPL(01)/2021
1	Name of the entity / person	Bharat Petroleum Corp.Ltd./ S.Ramesh
2	Complete address	Bharat Petroleum Corporation Ltd., Bharat Bhavan –I , Ballard Estate, Currimbhoy Road , Mumbai - 400001
3	E-mail ID/ telephone / fax	rameshs2373@bharatpetroleum.in / 022- 22713336
4	Identification proof (in case of an individual person)	NA
5	Views and suggestions related to:	
a)	Petroleum Products Pipeline proposed by the entity for laying, building, operating or expanding Petroleum and Petroleum Products Pipeline	It is observed that the proposed pipeline alignment crosses BPCL's Mumbai – Manmad- Manglya – Piyala – Bijwasan Multi product pipeline near SV 46 in the Mathura – Piyala section of the pipeline. BPCL proposes that the proposed pipeline should be routed through SV 46 of BPCL Pipeline located at village Khambhi, Telsil- Hodal, Dist.- Palwal at longitude & Latitude of 27.9728240 E , 77.4217410 N , so that BPCL can inject their ATF volume to the proposed pipeline.
b)	Other aspects of the proposal	
c)	Any other issue	

Date: 17.02.2021

Place: Mumbai


S. Ramesh
 CGM(Infra T/F),HQ



Name and Signature of Entity/ Individual Person
Official Seal (in case of Entity)