पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board
प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नई दिल्ली110001
1st Floor, World Trade Centre, Babar Road, New Delhi – 110001
फैक्स नं / . Fax No. 91 11 23709151; E-mail contact@pngrb.gov.in

Ref: PNGRB/Auth/2-NGPL(02)/2020 **Date: 15.05.2020**

To
GAIL (India) Limited
[Kind Attn: Shri Manoj Jain, C&MD]
16, Bhikaji Cama Place,
R.K. Puram, New Delhi - 110 066

Sub: Grant of Authorization for Mumbai - Nagpur - Jharsuguda Natural Gas Pipeline (Bid No: BID/NGPL/14/2019/01/MNJPL).

Sir,

With reference to the bid submitted by GAIL (India) Limited for the proposed Mumbai (Maharashtra) - Nagpur - Jharsuguda (Odisha) Natural Gas Pipeline against the Bid No. BID/NGPL/14/2019/01/MNJPL and the Performance Bond submitted by GAIL vide letter No. GAIL/ND/RA/Bid-MNJPL/2020 dated 14.05.2020, please find enclosed the Grant of Authorization in Schedule-D of the PNGRB (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008 for Mumbai - Nagpur - Jharsuguda Natural Gas Pipeline.

2. It may be noted that the authorization shall be governed by Schedule - D of authorization letter, the provisions of the relevant Regulations, various terms & conditions contained in the 'Application cum Bid document' and the clarifications issued by PNGRB w.r.t. Bid No. BID/NGPL/14/2019/01/MNJPL.

3. Kindly acknowledge this letter and send us the acceptance within 15 days from the date of this letter.

4. This authorization is being issued with the approval of the Board.

Yours faithfully,

15/5/2020

(Arvind Kumar)
Additional Adviser

Encl: As Above

S. Kumar

कुमार शंकर / KUMAR SHANKER
मुख्य महाप्रबंधक(विपणन–आर.ए.) / Chief General Manager (Mktg.-RA)
गेल (इण्डिया) लिमिटेड / GAIL

अरविन्द कुमार
ARVIND KUMAR
अपर सलाहकार
Additional Adviser
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड

Schedule D

[see regulations 9 *(1)* and 18 (7)]

Grant of authorization for laying, building, operating or expanding Mumbai - Nagpur - Jharsuguda Natural Gas Pipeline

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Ref: PNGRB/Auth/2-NGPL(02)/2020 **15th May, 2020**

To
GAIL (India) Limited
[Kind Attn: Shri Manoj Jain, C&MD]
16, Bhikaji Cama Place,
R.K. Puram, New Delhi - 110 066

Subject: Grant of authorization for laying, building, operating or expanding natural gas pipeline along the route of Mumbai (Maharashtra) - Nagpur - Jharsuguda (Odisha) under the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.

Sir,

With reference to your application for grant of authorization for laying, building, operating or expansion of natural gas pipeline along the route of Mumbai (Maharashtra) - Nagpur - Jharsuguda (Odisha), it has been decided to grant authorization to you, subject to the provisions under the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008 on the following terms and conditions, namely:

1. The route for laying, building, operating or expanding the natural gas pipeline shall be as depicted in the enclosed drawing (Annexure-1).

2. The entity shall complete the activities of laying, building or expansion activities of natural gas pipeline and commission the natural gas pipeline project as per the enclosed time schedule and targets (Annexure - 2). The entity

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ARVIND KUMAR
अपर सलाहकार
Additional Adviser

कुमार शंकर / KUMAR SHANKER

is allowed a maximum period of thirty-six months from the date of issue of the authorization letter for commissioning of the natural gas pipeline project. Any failure on the part of the entity in complying with the targets prescribed in the time schedule shall lead to consequences as specified under regulation 16 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.

3. The capacity in the natural gas pipeline shall be equal to **16.5** Million Standard cubic meter per day (MMSCMD).

4. The extra capacity in the natural gas pipeline shall be equal to 4.12 MMSCMD as per the provisions specified in clause *(j)* of sub-regulation *(6)* of regulation 5 and shall be available for use on common carrier basis by any third party on open access and non-discriminatory basis.

5. The authorized entity shall be required to take prior approval from the Board for creation of any lien or charge or hypothecation on the assets of the natural gas pipeline to secure finances for the project and furnish details of utilization of funds. However, in case of raising funds from any financial institution or bank, the entity will be required to only inform the Board of the sanction of the funds, within a period of seven days.

6. The entity shall publish the approved tariff for each of the tariff zone of the natural gas pipeline.

7. The entity shall submit a detailed and clear financial closure report to the Board within a period of one hundred and eighty days from the date of authorization issued by the Board under regulation 9 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.

8. The furnishing of performance bond of **Rs. 200 million** is a guarantee for timely commissioning of the project as per the prescribed targets submitted in the bid and for meeting the performance undertakings during operating phase of the project.

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S. Kumar.
कुमार शंकर / KUMAR SHANKER

9. The entity shall abide by the service obligations specified under regulation 14 and quality of service standards under regulation 15 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.

10. In case the authorization of the entity is terminated, the Board may assign the rights and obligations to any agency or another entity on such terms and conditions, as it may deem fit. Further, the entity may be required, as per the directions of the Board, to continue the operations of the natural gas pipeline at the same level till another agency or entity appointed by the Board takes over the full control of the natural gas pipeline.

11. The entity shall comply with the provisions under-

(a). the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008;

(b). the Petroleum and Natural Gas Regulatory Board (Determination of Natural Gas Pipeline Tariff) Regulations, 2008;

(c). the service obligations specified in Schedule J to the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008;

(d). the relevant regulations for-

(i) the technical standards and specifications, including safety standards;
(ii) the access code;
(iii) determination of capacity for natural gas pipeline;
(iv) affiliate code of conduct;
(v) declaring natural gas pipelines as common carrier or contract carrier;

(e). any other regulations as may be applicable and the provisions of the Act.

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Petroleum & Natural Gas Regulatory Board

S. Kumar.
कुमार शंकर / KUMAR SHANKER
मुख्य महाप्रबंधक(वित्तएवं प्र.) / Chief General Manager (Finance & Admn.)

12. The entity shall comply with any other term or condition which may be notified by the Board in public interest, from time to time.

You are requested to confirm your acceptance in the space provided below and return the same in original.

Yours faithfully,

15/5/2020

(Arvind Kumar)
Additional Adviser

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प्रथम तल,वर्ल्ड ट्रेड सेन्टर
1st Floor, World Trade Centre
बाबर रोड़, नई दिल्ली–110001
Babar Road, New Delhi-110001

Date: 15.05.2020

Acceptance of Grant of Authorization

I / We hereby agree to the grant of authorization issued by the Board vide letter ref. <PNGRB/Auth/2-NGPL(02)/2020> dated <15/05/2020> and agree to comply with all the terms and conditions subject to which I / We have been granted authorization for laying, building, operating or expanding natural gas pipeline along the route of <MUMBAI-NAGPUR-JHARSUGUDA> in the States of <*. MAHARASHTRA-ODISHA>

S Kumar

Date: 29/05/2020
Place: NEW DELHI

Signature of the Entity or Authorized Signatory
Name and Official Seal

कुमार शंकर / KUMAR SHANKER
मुख्य महाप्रबंधक(विपणन–आर.ए.) / Chief General Manager (Mktg.-RA)
गेल (इण्डिया) लिमिटेड / GAIL (India) Ltd.
16, भीकाएजी कामा प्लेस / 16, Bhikaiji Cama Place
नई दिल्ली110066 / New Delhi-110066

TIME SCHEDULE AND TARGETS FOR MUMBAI - NAGPUR - JHARSUGUDA NATURAL GAS PIPELINE

CAPACITY BUILD-UP SCHEDULE:

	Year-1 to Year- 25
System Capacity for the pipeline system required to be built up	**16.5 MMSCMD***
Extra capacity in the pipeline system required to be built up as per Regulation 5 (6) (j) of the PNGRB (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008	**At least 4.12 MMSCMD***
Route of the pipeline	Mumbai (Maharashtra) - Nagpur - Raipur (Chhattisgarh) - Bilaspur - Korba - Raigarh - Jharsuguda (Odisha) with Spur line from Nagpur to Jabalpur and NTPC Korba
Main Trunk Line	Total 1405 km. a.24"x 725 km (Mumbai to Nagpur section) b.18"x 680 km (Nagpur to Jharsuguda section)
Spur Line	Total 350 km. a. 18"x 160 km/12"x160 km (Spur line tap-off from Nagpur to Jabalpur) b. 12"x 30 km (NTPC spur line tap-off from Korba)
No. of Compressor Station	One (1W+1S)

Natural Gas Pipeline Monitoring Schedule- As submitted in the bid

Note:

* - As per the provisions of the PNGRB (Determining Capacity of Petroleum, Petroleum Products and Natural Gas Pipeline) Regulations, 2010.

S. Kumar

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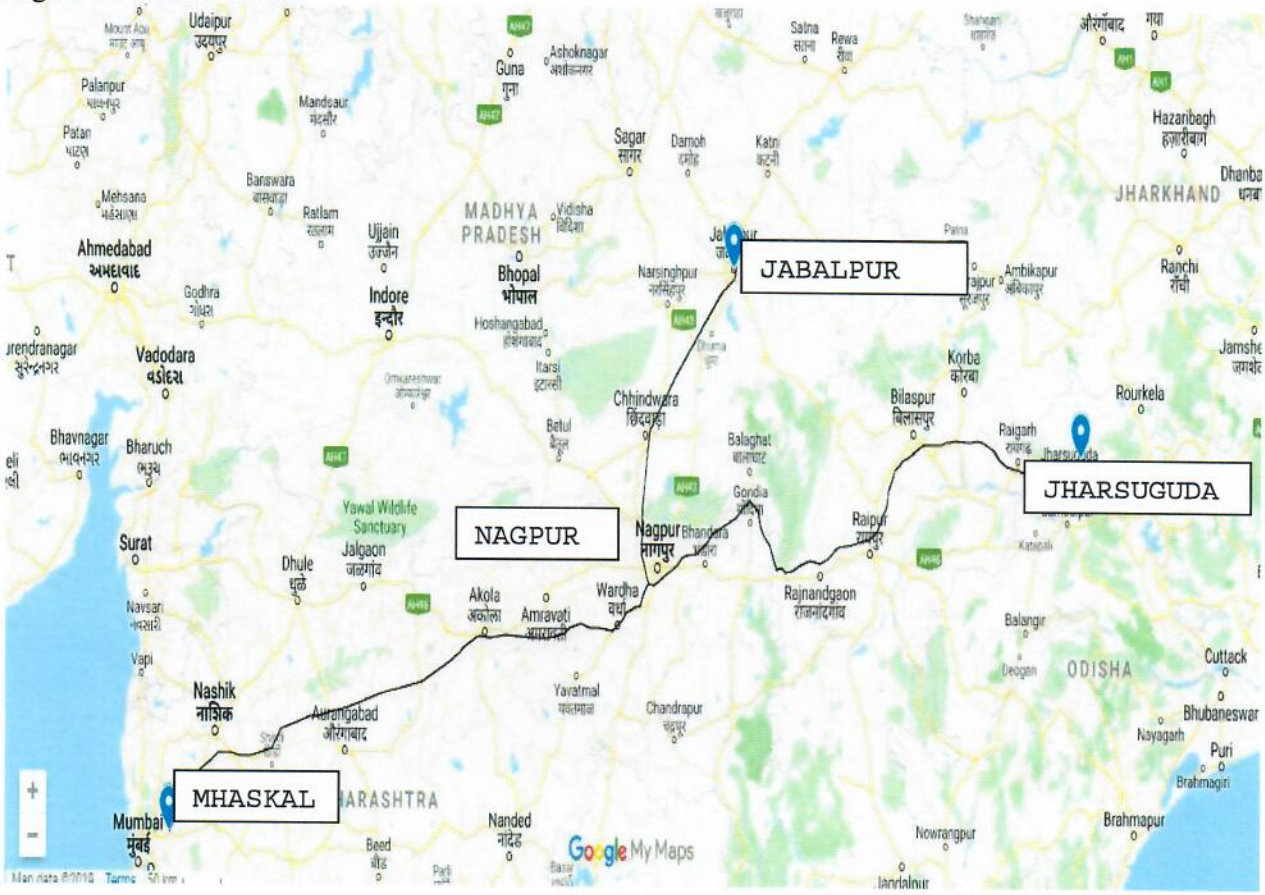
ARVIND KUMAR
अपर सलाहकार
Additional Adviser

Annex-1

FEASIBILITY REPORT FOR MNJPL PROJECT
(Mumbai Nagpur Jharsuguda Natural Gas Pipeline)

Figure 1: Route overview



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1st Floor, World Trade Centre
बाबर रोड, नई दिल्ली-110001
Babar Road, New Delhi-110001

February, 2020

कुमार शंकर / KUMAR SHANKER
मुख्य महाप्रबंधक(विपणन–आर.ए.) / Chief General Manager (Mktg.-RA)
गेल (इण्डिया) लिमिटेड / GAIL (India) Ltd.
16, भीकाजी कामा प्लेस / 16, Bhikaiji Cama Place

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Petroleum & Natural Gas Regulatory Board

FEASIBILITY REPORT FOR MNJPL PROJECT
(Mumbai Nagpur Jharsuguda Natural Gas Pipeline)

Barring any unforeseen delays in obtaining the ROU and other critical approvals like environmental and forest, Mumbai-Jharsuguda pipeline project is proposed to be completed in 36 Months from the date of Authorization.

DURATION IN MONTHS : 36 months

Project Phase	Months	Year-1												Year-2												Year-3											
		MONTHS																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Statutory approvals for Pipeline Project	29																																				
Detailed Engineering & Final drawing	5																																				
Procurement of Coated Main Line Pipe	16																																				
Main Line construction and associated works	22																																				
Completion of HDD works	22																																				
Completion of Combined Station Works	22																																				
Tele supervisory/Telecom works	22																																				
Commissioning	3																																				

S. Kumar.

February, 2020

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मुख्य महाप्रबंधक(विपणन–आर.ए.) / Chief General Manager (Mktg.-RA)
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Annex-2

FEASIBILITY REPORT FOR MNJPL PROJECT
(Mumbai Nagpur Jharsuguda Natural Gas Pipeline)

PROJECT MONITORING SCHEDULE

Project Phase/Activity	Implementation / completion schedule from date of authorization (Months)
Statutory approvals for Pipeline Project	29
Detailed Engineering & Final drawing	7
Procurement of Coated Main Line Pipes	19
Main Line construction and associated works	32
Completion of HDD works	32
Completion of Combined Station Works	33
Tele supervisory/Telecom works	33
Commissioning	36

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Petroleum & Natural Gas Regulatory Board
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February, 2020

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