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

PNGRB/Auth/3-PPPL(5)/2019 **17.12.2021**

To
All Prospective Bidders

Subject: Corrigendum in ACBD of Bid No BID/PPL/07/2020/01/JNPL for Grant of authorization for laying, building, operating or expanding petroleum and petroleum product (ATF) pipeline from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA)

Sir,

With reference to the pre-bid clarifications issued vide PNGRB's letter of even number dated 10.12.2021 and subsequent corrigendums published thereon, PNGRB is in receipt of a communications from NMIAL vide letter no. NMIAL/PNGRB/GEN /0062 dated 03.09.2021, informing change in the earlier location of fuel farm from Western boundary to Eastern boundary inside the airport. Copy of the letter from NMIAL is attached as **Annexure-1** for information to the prospective bidders.

2. In this regard, a meeting was held on 24.09.2021 through virtual mode to discuss the shifting of termination point of the proposed pipeline due to above changes in the location of fuel farm. Based on the discussions with stakeholders and NMIAL's input, following revisions have been made in the ACBD considering the major changes in the length:

Clause No & Pg. no	**Existing clause**	**Revised clause**
Clause 1 of NIT at page no. 3.	Online Application cum bids through e-procurement portal of NIC are invited from the interested and eligible entities on single stage two bid system by Petroleum & Natural Gas Regulatory Board, New Delhi, for authorization of Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi	Online Application cum bids through e-procurement portal of NIC are invited from the interested and eligible entities on single stage two bid system by Petroleum & Natural Gas Regulatory Board, New Delhi, for authorization of Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi

	Mumbai International Airport (NMIA) Petroleum and Petroleum Product (ATF) Pipeline spanning about 15 km with an initial system capacity of at least 2 MMTPA, under Regulation 5 of PNGRB (Authorizing Entities to Lay, Build, Operate or Expand Petroleum and Petroleum Products Pipelines) Regulations, 2010.	Mumbai International Airport (NMIA) Petroleum and Petroleum Product (ATF) Pipeline spanning about **22 km** with an initial system capacity of at least 2 MMTPA, under Regulation 5 of PNGRB (Authorizing Entities to Lay, Build, Operate or Expand Petroleum and Petroleum Products Pipelines) Regulations, 2010.
Row no 15 of table at page no. 5	Minimum Combined Net Worth Required: Rs. 7.50 Crore/- (Rupees seven crore and fifty lakhs only)	Minimum Combined Net Worth Required: **Rs. 11,00,00,000/- (Rupees Eleven crore only)**
Clause 1.1 of Instruction to Bidders at page no. 10.	Application cum Bids are invited by Petroleum & Natural Gas Regulatory Board (PNGRB), 1st Floor, World Trade Centre, Babar Road, New Delhi-110001 from the interested and eligible parties for authorization of 15 km long petroleum and petroleum product (ATF) pipeline from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA) with an initial system capacity of at least 2.0 MMTPA starting from first year of its operation to the entire economic life.	Application cum Bids are invited by Petroleum & Natural Gas Regulatory Board (PNGRB), 1st Floor, World Trade Centre, Babar Road, New Delhi-110001 from the interested and eligible parties for authorization of about **22 km** long petroleum and petroleum product (ATF) pipeline from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA) with an initial system capacity of at least 2.0 MMTPA starting from first year of its operation to the entire economic life. Proposed Petroleum and Petroleum Product pipeline would be transporting Aviation Turbine Fuel (ATF).
Paragraph 3 of Clause 17.2.3 of Scope of work at page no. 20	PNGRB reviewed the above views of NMIAL vis-à-vis comments of stakeholders on NMIAL's above submissions and based on the overall scenario, decided initially to invite bids for a single pipeline emanating from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA) and terminating at Amra Marg, western boundary of NMIA.	PNGRB reviewed the above views of NMIAL vis-à-vis comments of stakeholders on NMIAL's above submissions and based on the overall scenario, decided initially to invite bids for a single pipeline emanating from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA) and **terminating at proposed fuel farm inside the Eastern boundary of NMIA.**

Paragraph 5 of Clause 17.2.3 of Scope of work at page no. 20	Accordingly, the Application-cum-Bids are invited for authorization for development of petroleum and petroleum products (ATF) pipeline from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA) spanning 15 kilometers and with an initial system capacity of at least 2.00 MMTPA from first year to the entire economic life. The route map and other details of pipeline are enclosed as Annexure 1.	Accordingly, the Application-cum-Bids are invited for authorization for development of petroleum and petroleum products (ATF) pipeline from Jawaharlal Nehru Port Trust (JNPT), Navi Mumbai to Navi Mumbai International Airport (NMIA) spanning approx. **22 kilometers** and with an initial system capacity of at least 2.00 MMTPA from first year to the entire economic life. The route map and other details of pipeline are enclosed as Annexure 1.
Sr.no. (ii) in Annexure I at pg.no. 36.	End Point: Navi Mumbai International Airport (Amra Marg, western boundary of NMIA)	End Point: Navi Mumbai International Airport **(proposed fuel farm inside the Eastern boundary of NMIA)**
Sr.no. (iv) in Annexure I at pg.no. 36.	Length of Pipeline: Approximately 15 km.	Length of Pipeline: Approximately **22 km.**

3. Further, PNGRB also sought various clarifications on the queries raised by the prospective bidders during the meeting and in this regard, NMIAL's response vide its letter dated 29.10.2021 is also attached as **Annexure-2** of this corrigendum for information to the prospective bidders.

4. It is sole responsibility of bidders to confirm/verify the same or seek any other information directly from NMIAL required for preparation and submission of the bid.

5. The above corrigendum shall constitute a part of the Application-Cum-Bid Document and shall be duly signed and submitted along with the bid document by the authorized signatory of the bidder.

This issues with the approval of Board.

(S C Gupta)
Joint Adviser (A&T)

Annexure -1

adani

Ref: NMiAL/PNGRB/GEN/0062 Date: 3 September 2021

Shri Arvind Kumar
Additional Adviser
Petroleum and Natural Gas Regulatory Board
1st Floor, World Trade Centre, Babar Road,
New Delhi – 110 001.

Subject: Updated Information related to proposed Navi Mumbai International Airport (NMIA) at Navi Mumbai

Ref:

1. PNGRB letter No. PNGRB/Auth/3-PPPL (05)/ 2019 dated 6.2.2019.
2. Meeting held with PNGRB on 21.2.2020.
3. NMIAL letter to PNGRB dtd 19.03.2020

Sir,

This has reference to letter of Navi Mumbai International Airport Pvt Ltd (NMIAL) to your good self dated 19.03.2020, post our meeting with Shri S. Rath, Member (I&T), PNGRB, your kind self, and Shri Md. Tanweer Akhter, Dy. Adviser PNGRB at your office on 21.2.2020.

As advised in the said meeting, NMIAL had submitted the requested information to PNGRB related to location of NMIA & NMIAL Fuel Farm within airport site, traffic forecast and implementation schedule along with possible alignments for routing of ATF pipelines up to NMIA site.

NMIAL herby submits to PNGRB updated information on NMIA project, particularly related to location of NMIAL Fuel Farm within airport site along with possible alignments for routing of ATF pipelines up to new location of NMIAL Fuel Farm and updated implementation schedule. Kindly refer to the detail note enclosed with this letter on the said updates.

NMIA requests to kindly consider the updated NMIA project details for on-going PNGRB tender for laying for ATF pipeline to NMIA.

Thanking you,

Yours faithfully,
For **Navi Mumbai International Airport Private Limited**

Charudatta Deshmukh
Joint President,
Head- Planning & Design

Enclosure: Note - Information for Proposed ATF Pipelines for NMIA

Navi Mumbai International Airport Pvt Ltd
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Navi Mumbai – 400 614
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CIN - U45200MH2007PTC169174
Registered office: CSMI Airport, 1st Floor, Terminal 1B, Santacruz (E), Mumbai 400 099, India. T +91 22 6685 0900 / 6685 0901

Information for Proposed ATF Pipelines for NMIA
(outside airport boundary)

Introduction

Mumbai, the capital of Maharashtra and financial capital of India is the largest urban center within the Mumbai Metropolitan Region (MMR) with a population of more than 20 million. MMR is presently served by its single airport, Chhatrapati Shivaji Maharaj International Airport (CSMIA). Since 2002, CSMIA has experienced unprecedented traffic growth which is reflective of the country's economic boom, positive impact of growing deregulation in aviation sector and rise in India's Low-Cost Carriers (LCC). To accommodate growing air passenger demand of Mumbai Metropolitan Region (MMR) by increasing airport capacity, CSMIA has undergone a major airport modernization and development program since 2006. Although Terminal and airside expansion have been completed, CSMIA is soon expected to reach its maximum capacity. Therefore, there is urgent need for a new Greenfield airport for Mumbai Metropolitan Region (MMR). Navi Mumbai, one of the seven municipalities in the MMR, was selected by Government of Maharashtra (GoM) to develop the proposed Navi Mumbai International Airport (NMIA). NMIA shall be part of India's first dual-airport system for a city, serving air travel needs of Mumbai and MMR with CSMIA.

Project Background

The City and Industrial Development Corporation of Maharashtra Ltd. (CIDCO) is the New Town Development Authority of Navi Mumbai. Government of Maharashtra (GoM) notified CIDCO as nodal agency to undertake development of Navi Mumbai International Airport (NMIA), under a Public Private Partnership (PPP) framework on a Design, Build, Finance, Operate and Transfer (DBFOT) basis for a 40-year concession period. In 2007 Government of India (GoI) granted approval for development of NMIA. After a global open bidding process, MIAL was selected as preferred bidder by CIDCO in October 2017. The Concession Agreement (CA) for NMIA was signed between CIDCO and NMIAL in January 2018 which provides terms and conditions of the Concession to develop the new airport including scope, rights, and obligations of the Concessionaire. NMIAL is SPV for the project with MIAL holding 74% stake and CIDCO retaining balance 26% stake. Adani Ahmedabad International Airport Limited (AAIAL), a wholly owned subsidiary of Adani Enterprises Limited, holds controlling stake , and management of MIAL and NMIAL.

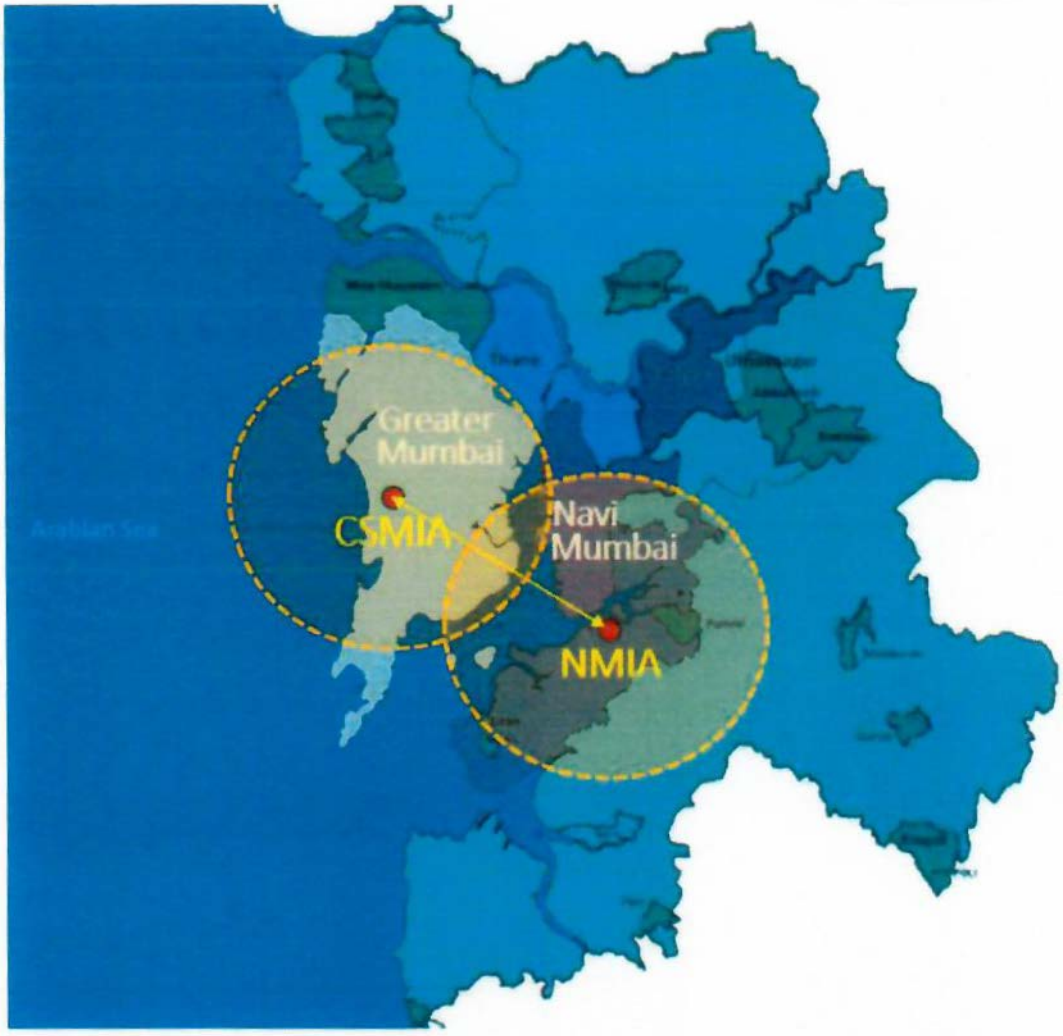


Figure- 1: Location of NMIA and CSMIA in MMR

Location of NMIA

Navi Mumbai International Airport (NMIA) site is located about 40km east of Mumbai (land route) and approx. 35km south east from Chhatrapati Shivaji Maharaj International Airport (CSMIA), in Panvel Taluka, Raigad District of Maharashtra. The airport site is situated in center of Mumbai Metropolitan Region (MMR) at Ulwe, in Navi Mumbai, located between Amra Marg and National Highway 4B. NMIA covers 1,160 hectares of site area and it is connected to Mumbai, Thane, rest of Navi Mumbai and surrounding region by major existing arterial roads, highways, sub-urban rail and in near future metro rail shall connect NMIA to Mumbai, Thane and Kalyan-Dombivali. Primary road access to NMIA site from west/Mumbai is via Amra Marg, and from east/Panvel via NH-4B. Connectivity to NMIA from Mumbai shall be further

enhanced by the proposed Mumbai Trans Harbour Link (MTHL) and Metro rail, which are being jointly developed by CIDCO and MMRDA. Similarly expansion of NH 4B, and dedicated road to the eastern entrance of NMIA from NH 4B /east side across Gadhi River is to be completed by CIDCO by 2024.

As part of NMIA development, a dedicated ATF Fuel Facility shall be developed within NMIA Site by NMIAL on eastern part of airport site **(Refer Figure 2 & 3)** which shall be connected to ATF supply pipelines reaching NMIA from existing and proposed fuel depot/ pipelines/Terminals/refineries of oil companies desirious of supplying ATF to NMIA. Most oil companies have shown interest in this regard, and this was discussed in meeting called by PNGRB with NMIAL on 21.2.2020.

In view of NMIA's location in centre of Navi Mumbai and existing depot/terminal/ refineries of oil companies being located in Chembur(West of NMIA), Vashi (North of NMIA),Uran (JNPT, South of NMIA) and Rasayani (East of NMIA), there is a opportunity of laying ATF pipelines from three directions to NMIA along existing and future roads alignments.these are illustrated in Figure 2. However the indicative routes need to be finalised by PNGRB and/or concerned authorities.



Figure- 2: Location of NMIA & Indcative Routes for ATF pipelines to NMIA

The aforesaid indicative alignments of ATF pipelines from three directions to NMIA are based on updated / final location of NMIA Fuel Farm Facility within airport site area **(Refer Figure 2 & 3).**

Location of NMIA Fuel Farm Facility

The proposed NMIA Fuel Farm Facility is now proposed on eastern edge of NMIA site, near eastern entrance of airport **(Refer Figure 3).** Earlier the NMIA Fuel Farm Facility was proposed on western part of airport site, but as R&R R of some villages in this part of airport site is yet to conclude and on-going hill cutting work shall take some time, for the earlier proposed site shall not be available for development of Fuel Farm. Therefore, NMIAL has updated Airport Master Plan and new location for NMIA Fuel Farm Facility is proposed on land free of any encumberances, to expedite its development **(Refer Figure 3).**

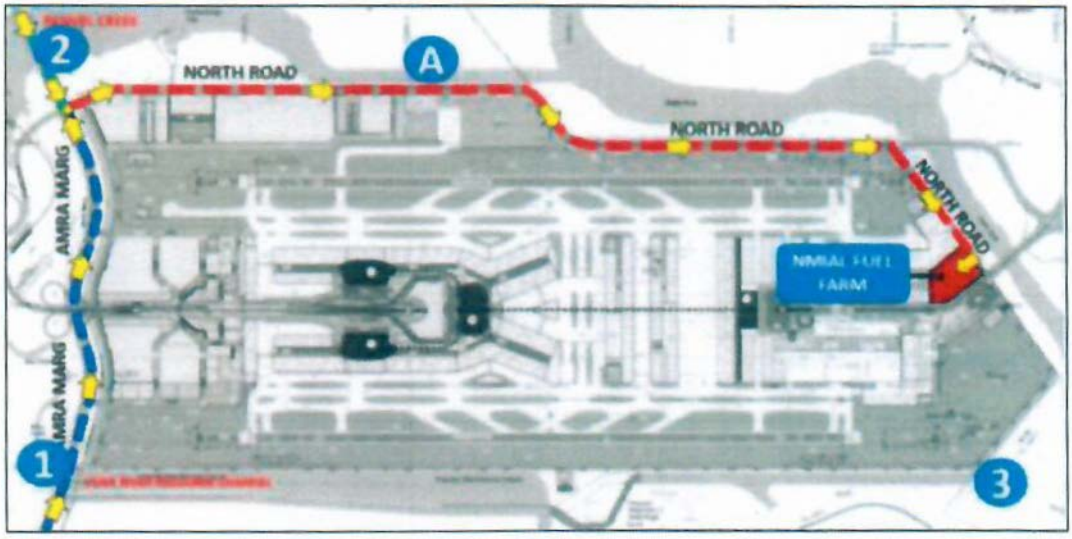


Figure- 3: NMIA Master Plan showing updated location of Fuel Farm & Indcative Routes for ATF pipelines to NMIA

In view of the said update on location of NMIA Fuel Farm Facility, the length of ATF pipeline on **Route 1** (from South/JNPT) shall increase, and the length of ATF pipeline on **Route 2** (from north/Vashi) and **Route 3** (from east / Rasayani) shall decrease. This change may kindly be noted. More importantly, a common section of ATF alignment (of approx 6 km lenght) is created now on along northern boundary of airport (outside NMIA site), further reducing the net length of pipeline on Route 1 & 2, as the ATF pipelines can connect to this common stretch on North Road (a 60m wide under-construction CIDCO road) starting from the jucntion on

Aamra Marg located near north eastern corner of NMIA site **(Refer Figure 2 & 3).** This is shall further optimise the cost of laying ATF pipelines to NMIA Fuel Farm Facility. The ATF pipelines reaching NMIA will be connected to NMIA Fuel Farm on proposed eastern part of airport site, along at airport site boundary. The location of the NMIA Fuel Farm as per NMIA Master Plan is indicated in **Figure 3.**

Based on project air traffic demand, NMIA shall need minmum 2 ATF pipelines (from south & north) in the initial phases with commencement of Phase 1 & 2 (20 MPPA airport capacity) airport operations by December 2024. The third pipleine from east may be needed by ultimate phase in 2030-32. As the airport operations shall commence by December 2024, the pipelines need to be laid and made operational by July 2024 for the trials & testing to commence before commercial operations in Dec 2024.

Approvals

NMIA has received Environmental Clearence (EC) from MoEFCC, howerver seperate environmental approvals, CRZ Clearance, Forest Approval (if applicable) shall be required to be procured by concerned agencies laying the ATF pipelines to NMIA, alongwith NOC for Right of Way (RoW) from concerned authorities like CIDCO, NMMC, NHAI, etc. NMIAL has no role in this regard.

Indicative Traffic Forecast & Updated Implementation Schedule

As existing CSIMA reaches airport capacity, the NMIA traffic forecast assumes spill over air passenger demand of MMR to be served by NMIA to the extent airlines introduce flights at new airport. Indicative Traffic Forecast and Implementation Schedule are as under :-

NMIA Aggregate Passenger Forecast (Million's)

Year	Passenger Forecast
	Pax (millions)
FY2023	4
FY2024	8.9
FY2025	14.2
FY2026	20.2
FY2027	26.1
FY2028	32.7
FY2029	38.5
FY2030	44.4

FY2031	49.4
FY2032	54.2
FY2033	59.2
FY2034	63.8
FY2035	68.3
FY2036	72.6
FY2037	76.7
FY2038	80.0

NMIA Capacity, Phasing & Updated Implementation Schedule

Phase	Implementation Period	Airport Capacity	Air Traffic Movements (ATMs)
		Million Passengers Per Annum (MPPA)	Nos/Annum
1 & 2	2021-2024	10 & 20	1,40,374
3	2026-2028	40	2,72,778
4	2028-2031	60	4,37,684

Updated Project Timelines for Implementation of Phase 1 & 2 (Combined) of NMIA

Description	Start Date	End Date
Construction	October-21	June-24
Integrated Testing & Commissioning	July-24	Dec-24

Annexure - 2

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Ref: NMIAL/PNGRB/GEN/ 0078

29th October 2021

To,
Shri S. C. Gupta
Joint Adviser (A&T)
Petroleum and Natural Gas Regulatory Board
1st Floor, World Trade Centre, Babar Road,
New Delhi – 110 001.

Subject : **Invitation of bids to develop Jawaharlal Nehru Port Trust (JNPT) to Navi Mumbai International Airport (NMIA) Petroleum and Petroleum Product (ATF) Pipeline (Bid No. BID/PPL/07/2020/01/JNPL).**

Ref : 1. PNGRB letter No. PNGRB/Auth/3-PPPL(5)/2019 dtd.1.10.2021,
2. Virtual meeting held on 24.9.2021.

Dear Sir,

This has reference to our virtual meeting held on 24.9.2021 and your letter No. PNGRB / Auth/3 PPPL (5)/2019 dated 1.10.2021. as requested in your referenced letter, NMIAL is pleased to provide the required details, as under:

(i) Phase wise capacity to be built up for the tank farm along with timeline and requirement of ATF.

NMIAL Response: Please refer to table below:

Phase	Implementation Period	Airport Capacity	Air Traffic Movements (ATMs)	Cumulative ATF Storage Capacity
		Million Passengers Per Annum (MPPA)	Nos/Annum	In KL
1 & 2	2021-2024	10 & 20	1,40,374	30,000
3	2026-2028	40	2,72,778	60,000
4	2028-2030	60	4,37,684	

Navi Mumbai International Airport Pvt Ltd
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(ii) *GIS coordinates of pipeline termination point inside the airport premises.*

NMIAL Response: Please refer to enclosed NMIAL Fuel Farm Concept Layout Plan. The coordinates of the NMIA Fuel Farm Site/Plot are provided therein.

(iii) *Confirmation that the land and other utilities like power, water, etc. required by the pipeline entity to develop receiving terminal connecting to tank farm manifold inside the airport shall be provided by NMIAL and its charges/cost, if any.*

NMIAL Response: NMIAL shall provide power, water, etc at applicable charges as prevalent in CIDCO/NMMC area or as applicable to NMIAL

(iv) *RoU charges, if any for the pipeline proposed to be laid inside the airport.*

NMIAL Response: The land rentals for the land area utilized for laying of pipeline within NMIA site shall be 10% of applicable Ready Reckoner Rate for NMIA site with applicable taxes, if any. Currently the applicable Ready Reckoner Rate for NMIA site is Rs 33,180/sqm, and RoU / Annual Rental charges indicatively shall be 10% of the same, i.e Rs 3318/sqm + taxes if any/as applicable.

In addition to above, NMIAL shall have No Objection to the entity or company which shall lay the ATF pipeline to install / develop the required pigging facility within NMIA Fuel Farm site at its own cost, inclusive of Pig Receiver, Mass Flow Meter, Pre-Filters & Filters, underground sump, etc. An area of around 250sqm (or as mutually agreed between NMIAL & the entity/company) shall be provided for the same by NMIAL within the Fuel Farm site for this purpose to the entity or company which shall lay the pipeline.

Also as requested, NMIAL Fuel Farm Concept Layout Plan is also enclosed with this letter for reference.

Thanking you,

Yours faithfully,
For **Navi Mumbai International Airport Private Limited**

Charudatta Deshmukh
Joint President
Head - Planning and Design

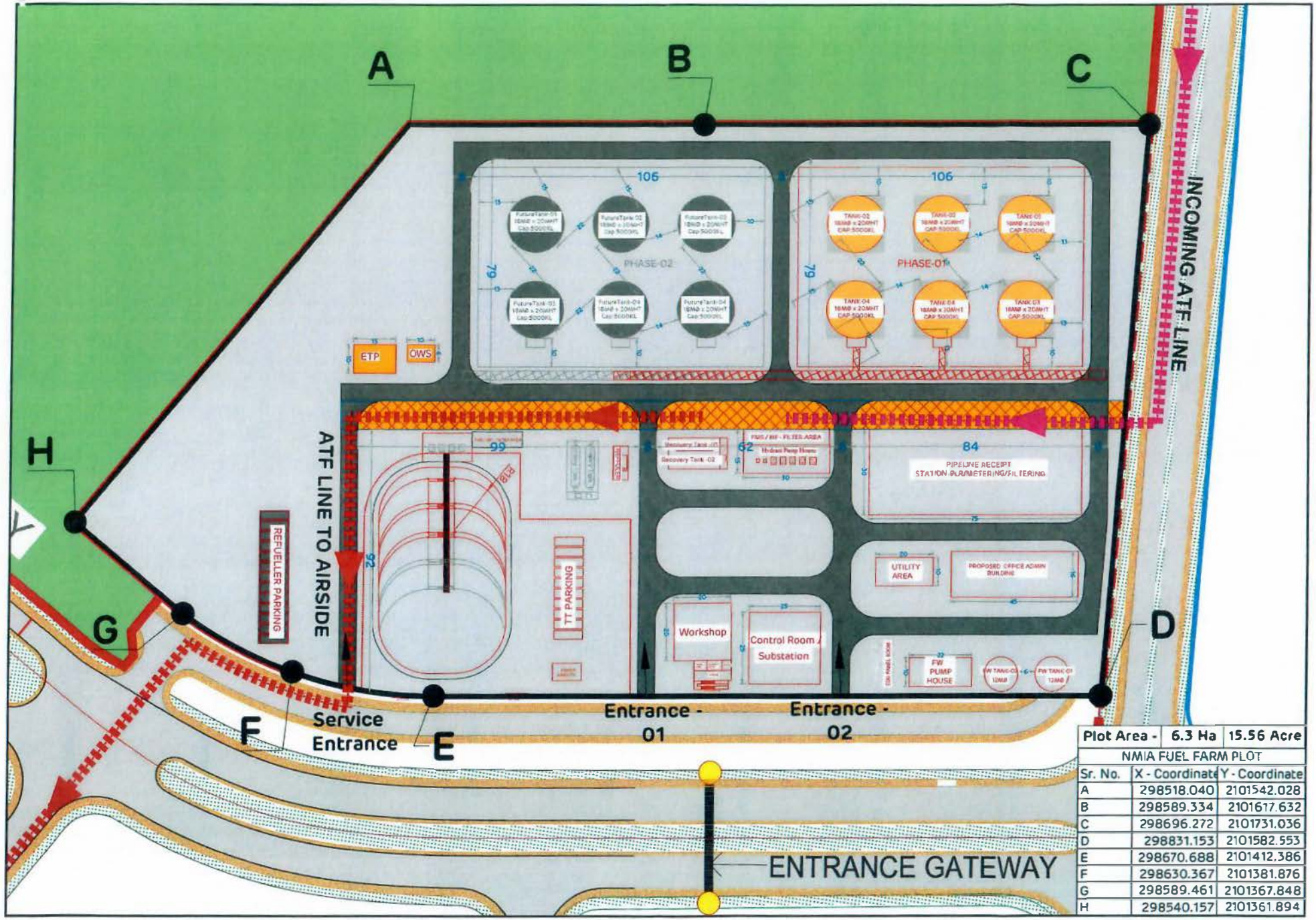
Enclosed: As Above

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Plot Area -	6.3 Ha	15.56 Acre
NMIA FUEL FARM PLOT		
Sr. No.	X - Coordinate	Y - Coordinate
A	298518.040	2101542.028
B	298589.334	2101617.632
C	298696.272	2101731.036
D	298831.153	2101582.553
E	298670.688	2101412.386
F	298630.367	2101381.876
G	298589.461	2101367.848
H	298540.157	2101361.894