



**GUJARAT GAS**

No.: GGL/DNH GA/Kala../0.3009 He./FCA/Per/2023

Date: 04/02/2023

To,  
**Chief Conservator of Forests,  
Nodal Office,  
Secretariat,  
Dadra and Nagar Haveli and Daman & Diu,  
Daman.**

**Sub.:** Gas Distribution Network in Dadra & Nagar Haveli Area (Kala – Karachgam – Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): **Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala -Karachgam – Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

**Ref.:** Our proposal letter No. GGL/DNH GA/Kala../0.2989 He./FCA/Per/2022, Dtd.01.02.2022 & Online Proposal no. FP/DN/Pipeline/151726/2022, Dtd.29.01.2022.

Dear Sir,

Further, with reference to the above subject matter, we wish to inform that proposal for granting permission for laying pipeline to set up a Piped Natural Gas Distribution Network in Kala – Krachgam – Surangi – Saily village Surrounding Area in Dadra and Nagar Haveli (U/T) is submitted vide our letter quoted under reference.

**Site visit had been carried out with your representative for above said proposal. Throughout the site visit proposed pipeline's route was not matching with submitted Map/Annexures/Documents therefore online Essential Details Sought by DFO, office Silvassa on dated.21.12.2022. After that details of pipeline laying parallel & across to Asphalted Road which has been declared as Protected Forest are furnished in Annexure-A.**

For laying purpose 0.5 mtr. width of forest strip is proposed for the pipeline parallel & across to Asphalted Road in Dadra and Nagar Haveli. With this provision of 0.5 mtr width and 6017 mtr. length is required for parallel & across to Asphalted Road.

Total 0.3009 Hect. (Instead of 0.2989 Hect.) of area is required in protected forest for pipeline laying parallel & across to the Asphalted Road at various locations in Dadra and Nagar Haveli (U/T). It is stated here that the road side strip forest through which the pipeline parallel/across to the road is taken in such a way that minimum tree cutting is involved. For other areas, which are not been declared as protected forests, a separate proposal is being submitted for seeking permission for cutting of trees if any, obstructing the pipeline route.

**GUJARAT GAS LIMITED** (A GSPC Group Company – Government of Gujarat Undertaking) (Formerly known as GSPC Distribution Networks Limited)

**Corporate Office:** 2, Shanti Sadan Society, Near Panimal Garden, Ellisbridge, Ahmedabad - 380 006, Gujarat, India.

**Tel.:** +91-79-26462980, 26460095 **Fax:** +91-79-26466249

**Registered Office:** Gujarat Gas CNG Station, Sector-5/C, Gandhinagar - 382 006, Gujarat, India. **Tel.:** 079-23264777, 23264999

**Website:** www.gujaratgas.com, www.gspcgroup.com, **CIN:** L40200GJ2012SGC069118

9th Floor, Awdhesh House, Opp. Shri Govind Gurdwara, S. G. Highway, Ahmedabad - 380 054, Gujarat, India. **Tel.:** +91-79-26737400 **Fax:** +91-79-26737456



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

The forestlands as identified by your good official during the site visit are included in the application. Accordingly the following revised formats are attached as per the procedure.

1. Annexure - A having details of pipeline laying parallel & across to road en-route.
2. Route Map with pipeline marked along the Road.
3. Form - A for seeking prior approval under section-2.
4. Undertaking for NPV.
5. Undertaking for Compensatory Afforestation.

Now we are resubmitting herewith Annexure in six sets after necessary compliances and recommendation to grant permission to lay the pipeline. Hope you will find our submission in order. We request you to kindly take up the matter on priority and do the needful for granting permission at the earliest.

We convey our sincere thanks to you for extending your well and prompt support which definitely push the project ahead towards implementation.

Thanking you,



Yours faithfully,  
  
04/02/2023  
**Vipul Patel**  
**Dy. Manager (ROU)**

**Encl.: As above**

**Copy to: Dy. Conservator of Forest (T), Forest Division, Dadra & Nagar Haveli, Silvassa - for your information & necessary action.**



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

**Annexure - A**

Statement showing the details of laying pipeline parallel & across to road declared as Protected Forest in Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli

| Sl. No. | Details of Crossing  | GGL Pipeline Chainage/ Length in Km | Location  | GGL Pipeline Connectivity                                      | ROU in Mtr. |       | Area in Hectare |
|---------|--|-------------------------------------|---|--|-------------|-------|-----------------|
|         |  |                                     |   |  | Length      | Width |                 |
| 1       | Asphalted Road (Surangi - Amboi - Kala - Kherdi Road) Crossing       | -                                   | Near Kala Bus Stop, Kala  | <b>Kala - Karachgam - Velugam Industrial Area Connectivity</b> | 10 X 2      | 0.5   | 0.0010          |
| 2       | Parallel to Asphalted Road (Kala bus stop to Karachgam - Udhva Road) | L=1/900 Km                          | From Kala Bus Stop to Opp. Sudarshan Minchem Ltd., Karachgam    |  | 1900        | 0.5   | 0.0950          |
| 3       | Asphalted Road (Kala - Karachgam - Udhva Road) Crossing              | -                                   | Near Sudarshan Minchem Ltd., Karachgam                          |  | 10 X 2      | 0.5   | 0.0010          |
| 4       | Parallel to Asphalted Road (Kala - Karachgam - Udhva Road)           | L=0/660 Km                          | From Sudarshan Minchem Ltd. to Primary School Road, Karachgam   |  | 660         | 0.5   | 0.0330          |
| 5       | Parallel to Asphalted Road (Karajgam - Kakadpada Road)               | L=1/020 Km                          | From Opp. Manika Moulds Pvt. Ltd. to Industrial Area, Karachgam |  | 1020        | 0.5   | 0.0510          |



|                              |  |            |   |  |        |     |               |
|------------------------------|--|------------|---|--|--------|-----|---------------|
| 6                            | Parallel to Asphalted Road (Karajgam - Dungripada Road)                                | L=0/840 Km | From Near Sudarshan Minchem Ltd. to up to Maharashtra Border, Karachgam | <b>Kala - Karachgam - Velugam Industrial Area Connectivity</b> | 840    | 0.5 | 0.0420        |
| 7                            | Parallel to Asphalted Road (Velugam NH-848A Road to Kodad village up to DNH Area Road) | L=0/500 Km | From Kodad village to NH-848A, Surangi                                  |  | 500    | 0.5 | 0.0250        |
| 8                            | National Highway -848A (Surangi - Velugam Road) Crossing                               | -          | Near Next Polymers Ltd' s Gate, Surangi                                 |  | 10 X 2 | 0.5 | 0.0010        |
| 9                            | Parallel to National Highway - 848A (Surangi - Velugam Road)                           | L=0/997 Km | From Kadod Internal Road to near Surangi River, Surangi                 |  | 997    | 0.5 | 0.0499        |
| 10                           | National Highway -848A (Surangi - Velugam Road) Crossing                               | -          | Near Parmukh Stadium, Surangi   |  | 10 X 2 | 0.5 | 0.0010        |
| 11                           | Asphalted Road (Silvassa - Saily Road) Crossing  | -          | Near HP Petrol Pump, Saily  | <b>Near Namo Medical Collage Connectivity</b>                  | 10 X 2 | 0.5 | 0.0010        |
| <b>Total Area in Hectare</b> |  |            |   |  |        |     | <b>0.3009</b> |



For Gujarat Gas Limited

**Vipul Patel**  
Dy. Manager (ROU)

### Acknowledgement Slip

This is to certify that hard copy of the proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980, as per details given below, along with all necessary enclosures has been received in the Office of the Dadar & Nagar Haveli on 29/01/2022.

1. **Proposal No.** : FP/DN/Pipeline/151726/2022
2. **Proposal Name** : Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity)
3. **Category of the Proposal** : Pipeline
4. **Date of Submission** : 29/01/2022
5. **Name of the User Agency with Contact Details**
  - Name** : Vipul
  - Mobile No.** : 9925237529
  - State** : Gujarat
  - District** : Ahmedabad
  - Pincode** : 380054
6. **Area Applied (ha.)** : 0.2989

(System Administrator)

\*\*\* This is a system generated email, please do not reply. \*\*\*

Time 5:27  
19/1/22  
प्राप्त किया/RECEIVED  
मुख्य वन रक्षक का कार्यालय  
O/o, the Chief Conservator of Forests  
दमण/DAMAN





**GUJARAT GAS**

No.: GGL/DNH GA/Kala../0.2989 He./FCA/Per/2022

Date: 01/02/2022

To,  
**Chief Conservator of Forests,**  
**Nodal Office,**  
**Secretariat,**  
**Dadra and Nagar Haveli and Daman & Diu,**  
**Daman.**

**Sub.:** Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): **Diversion of 0.2989 Hectare Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

Dear Sir,

Gujarat Gas Limited (GGL) is the company owned by the Government of Gujarat engaged in process to set up Piped Natural Gas (PNG) distribution network in all major Cities, District/Taluka Headquarters in entire Gujarat State. PNG is an eco-friendly gas and an alternative of Kerosene /LPG.

Gujarat Gas Limited is in process to set up gas distribution network in the entire South Gujarat Region. Wherein we have already connected Major Cities like Navsari, Gandevi, Chikhli, Vapi, Valsad, Umargam, Bhilad & Sarigam for domestic & commercial use only. Now we are in process to connect other cities and surrounding areas of Dadra & Nagar Haveli (U/T). The proposed pipeline will be laid in the space available alongside the roads at a depth of at least 1.2 meter below the finished ground level. Company shall follow all the best standards of safety as prevailing in Gas distribution industries.

Details of pipeline laying parallel & across to Asphalted Road which has been declared as Protected Forest are furnished in **Annexure-A.**

For laying purpose 0.5 mtr. width of forest strip is proposed for the pipeline parallel & across to Asphalted Road in Dadra and Nagar Haveli. With this provision of 0.5 mtr width and 5977 mtr. length is required for parallel & across to Asphalted Road.

Total 0.2989 Hect. of area is required in protected forest for pipeline laying parallel & across to the Asphalted Road at various locations in Dadra and Nagar Haveli (U/T). It is stated here that the road side strip forest through which the pipeline parallel/across to the road is taken in such a way that minimum tree cutting is involved. For other areas, which are not been declared as protected forests, a separate proposal is being submitted for seeking permission for cutting of trees if any, obstructing the pipeline route.

**GUJARAT GAS LIMITED** (A GSPC Group Company - Government of Gujarat Undertaking) (Formerly known as GSPC Distribution Networks Limited)

Corporate Office : 2, Shanti Sadan Society, Near Parimal Garden, Ellisbridge, Ahmedabad - 380 006 Gujarat, India.

Tel: +91-79-26462980, 26460095 Fax: +91-79-26466249

Registered Office : Gujarat Gas CNG Station, Sector 5/C, Gandhinagar - 382 006 Gujarat, India Tel: +91-79-23264771, 23264910

Website : www.gujaratgas.com, www.gspcgroup.com CIN: L40200GJ20123000690

9th Floor, Avdesh House, Opp. Shri Govind Gurudwara, S. G. Highway, Ahmedabad - 380 054 Gujarat, India. Tel: +91-79-26737400 Fax: +91-79-26737456



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.2989 Hectare Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Sally village Surrounding Area of Dadra and Nagar Haveli (U/T).**

The forestlands as identified by us are included in the application. However, if any area is left out, the same may please be included. The route map of above said parallel and crossing Gas Distribution Network is enclosed herewith for your reference.

It will be worthy to state here that the pipeline will be laid 1.2 mtr. below ground level, the upper lands will be open for normal movement. During laying of pipeline no trees will be cut in the route. Accordingly the following formats are attached as per the procedure.

1. Annexure - A having details of pipeline laying parallel & across to road en-route.
2. Route Map with pipeline marked along the Road.
3. Form - A for seeking prior approval under section-2.
4. Undertaking for NPV.
5. Undertaking for Compensatory Afforestation.

Necessary application, along with Annexure in six sets is submitting herewith for perusal and recommendation to grant permission to lay the pipeline. We are willing to pay compensation for compensatory afforestation and also Net Present Value (NPV), etc as per rules and given undertaking as required.

M/s. Secon Pvt. Ltd., having their regional office at 3rd floor, Satyam Complex, Chhani, Vadodara - 390002, Phone/Fax No. 0265-6630700/6538177 have been retained as bonafide consultant by us in connection with ROU and statutory clearance work for said project. They would provide further information and clarifications as required. They would also accompany authorities for field inspection.

Hope you will be kind enough to take the appropriate action for the act of which we shall be grateful to you.

In case you need any further information please feel free to contact us.

Thanking you,

Yours faithfully,  
  
**Vipul Patel**  
Dy. Manager (ROU)



**Encl.: As above**

**Copy to:** SECON Private Limited, 3<sup>rd</sup> Floor, Satyam Complex, Chhani, Vadodara - 390002, Gujarat



Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.2989 Hectare Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).

**Annexure - A**

Statement showing the details of laying pipeline parallel & across to road declared as Protected Forest in Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli

| Sl. No. | Details of Crossing  | GGL Pipeline Chainage/ Length in Km | Location  | GGL Pipeline Connectivity                                      | ROU in Mtr. |       | Area in Hectare |
|---------|--|-------------------------------------|---|--|-------------|-------|-----------------|
|         |  |                                     |   |  | Length      | Width |                 |
| 1       | Asphalted Road (Surangi - Amboi - Kala - Kherdi Road) Crossing       | -                                   | Near Kala Bus Stop, Kala  | <b>Kala - Karachgam - Velugam Industrial Area Connectivity</b> | 10 X 2      | 0.5   | 0.0010          |
| 2       | Parallel to Asphalted Road (Kala bus stop to Karachgam - Udhva Road) | L=1/900 Km                          | From Kala Bus Stop to Opp. Sudarshan Minchem Ltd., Karachgam    |  | 1900        | 0.5   | 0.0950          |
| 3       | Asphalted Road (Kala - Karachgam - Udhva Road) Crossing              | -                                   | Near Sudarshan Minchem Ltd., Karachgam                          |  | 10 X 2      | 0.5   | 0.0010          |
| 4       | Parallel to Asphalted Road (Kala - Karachgam - Udhva Road)           | L=0/660 Km                          | From Sudarshan Minchem Ltd. to Primary School Road, Karachgam   |  | 660         | 0.5   | 0.0330          |
| 5       | Parallel to Asphalted Road (Karajgam - Kakadpada Road)               | L=1/020 Km                          | From Opp. Manika Moulds Pvt. Ltd. to Industrial Area, Karachgam |  | 1020        | 0.5   | 0.0510          |





|                              |  |            |   |  |        |     |               |
|------------------------------|--|------------|---|--|--------|-----|---------------|
| 6                            | Parallel to Asphalted Road (Karajgam - Dungripada Road)                                | L=0/840 Km | From Near Sudarshan Minchem Ltd. to up to Maharashtra Border, Karachgam | <b>Kala - Karachgam - Velugam Industrial Area Connectivity</b> | 840    | 0.5 | 0.0420        |
| 7                            | Parallel to Asphalted Road (Velugam NH-848A Road to Kodad village up to DNH Area Road) | L=0/500 Km | From Kodad village to NH-848A, Surangi                                  |  | 500    | 0.5 | 0.0250        |
| 8                            | Parallel to National Highway - 848A (Surangi - Velugam Road)                           | L=0/997 Km | From Kadod Internal Road to near Surangi River, Surangi                 |  | 997    | 0.5 | 0.0499        |
| 9                            | Asphalted Road (Silvassa - Saily Road) Crossing  | -          | Near HP Petrol Pump, Saily  | <b>Near Namo Medical Collage Connectivity</b>                  | 10 X 2 | 0.5 | 0.0010        |
| <b>Total Area in Hectare</b> |  |            |   |  |        |     | <b>0.2989</b> |

For Gujarat Gas Limited

  
**Vipul Patel**  
 Dy. Manager (ROU)



## **FORM - A**

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for  
Diversion of fresh forest area

### **PART - I**

(To be filled up by User Agency)

#### **A. General Details**

##### **A- 1. Project Details**

(i). Proposal No. : FP/DH/Pipeline/151726/2022

(ii). Name of Project for which Forest Land is required : Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity)

(iii). Short narrative of the proposal and Project/scheme for which the forest land is required :  
Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala -Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).

(iv). State : Dadar & Nagar Haveli

(v). Category of the Proposal : Pipeline

(vi). Shape of forest land proposed to be diverted : Linear

(vii). Estimated cost of the Project(Rupees in lacs) : 32

(viii). Area of forest land proposed for diversion(in ha.): 0.3009

(ix). Non-forest land required for this project(In ha.): 0

(x). Total period for which the forest land is proposed to be diverted(in years): 100

##### **A- 2. Details of User Agency**

(i). Name : GUJARAT GAS LIMITED

(ii). Address1 : 301-304 3rd Floor IT Tower-1 Infocity Gandhinagar

(iii). Address2 : NIL

(iv). State : Gujarat

(v). District : Gandhinagar

(vi). Pin : 382009





(vii). Landmark : Infocity

(viii). Email address : vipul.patel@gujaratgas.com

(ix). Landline Telephone No. : 79-66737400

(x). Fax No. : 79-66737456

(xi). Mobile No. : 9925237529

(xii). Website (if any) : www.gujaratgas.com

(xiii). Legal status of User Agency : State PSU

A-  
3. Details of Person Making Application

(i). First Name: Vipul

(ii). Middle Name: NIL

(iii). Last Name: Patel

(iv). Gender: Male

(v). Designation: Sr. Officer (ROU)

(vi). Address 1: Gujarat Gas Ltd 9th Floor Avdhesh House Opp Shri Govind Gurudwara S G highway  
Ahmedabad 380054

(vii). Address 2: NIL

(viii). State: Gujarat

(ix). District: Ahmedabad

(x). Tehsil: Ahmedabad City

(xi). Pin: 380054

(xii). Landmark: Shri Govind Gurudwara


(xiii). Email Address: vipul.patel@gujaratgas.com

(xiv). Landline Telephone No.: 79-66737400

(xv). Fax No.: 07966737456

(xvi). Mobile No.: 9925237529



(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: 

## B. Details of land required for the Project

B- Details of proposal seeking prior approval of Central Government under the Act for  
1. diversion of forest land for the Project already submitted in the past

| List of proposal submitted in Past |                 |              |               |                                  |                    |                               |                        |
|------------------------------------|-----------------|--------------|---------------|----------------------------------|--------------------|-------------------------------|------------------------|
| S.no                               | Proposal Status | Proposal No. | Moef File No. | Area Proposed for Diversion(Ha.) | Area Diverted(Ha.) | Date of In-Principle Approval | Date of Final Approval |
| NIL                                |                 |              |               |                                  |                    |                               |                        |

B-  
2. Details of forest land proposed to be diverted

### B-2.1 Details of Divisions involved

| Details of Divisions involved |                      |                  |                      |
|-------------------------------|----------------------|------------------|----------------------|
| S.no                          | Division Name        | Forest Land(ha.) | Non-Forest Land(ha.) |
| 1.                            | Territorial Division | 0.3009           | 0                    |
| Total                         |                      | 0.3009           | 0                    |

### B-2.2 Details of Districts involved

| District wise breakup |                        |                  |                      |
|-----------------------|------------------------|------------------|----------------------|
| S.no                  | District Name          | Forest Land(ha.) | Non-Forest Land(ha.) |
| 1.                    | Dadra and Nagar Haveli | 0.3009           | 0                    |
| Total                 |                        | 0.3009           | 0                    |

### B-2.3 Village wise breakup

| Villages wise breakup |         |                  |                      |
|-----------------------|---------|------------------|----------------------|
| S.no                  | Village | Forest Land(ha.) | Non-Forest Land(ha.) |
| NIL                   |         |                  |                      |

### B-2.4 Component wise breakup






| Component wise breakup |  |                  |                      |
|------------------------|--|------------------|----------------------|
| S.no                   | Component  | Forest Land(ha.) | Non-Forest Land(ha.) |
| 1                      | Asphalted Road (Surangi – Ambol – Kala – Kherdi Ro | 0.001            | 0                    |
| 2                      | Asphalted Road (Kala bus stop to Karachgam - Udhwa | 0.129            | 0                    |
| 3                      | Asphalted Road (Karajgam – Kakadpada Road)         | 0.051            | 0                    |






|              |   |               |          |
|--------------|---|---------------|----------|
| 4            | Asphalted Road (Karajgam – Dungripada Road)         | 0.042         | 0        |
| 5            | Asphalted Road (Velugam NH-848A Road to Kodad vill) | 0.025         | 0        |
| 6            | National Highway -848A (Surangi – Velugam Road)     | 0.0519        | 0        |
| 7            | Asphalted Road (Silvassa – Saily Road)              | 0.001         | 0        |
| <b>Total</b> |   | <b>0.3009</b> | <b>0</b> |

**C. Maps of forest land proposed to be diverted**

| Division 1. : Territorial Division  |                      |  |                      |  |  |          |                      |  |    |        |  |
|---|----------------------|--|----------------------|--|--|----------|----------------------|--|----|--------|--|
| <p>(i). Area of forest land proposed to be diverted(in ha.) : 0.3009</p> <p>(ii). Nature of the Project: Linear</p> <p>(b). No. of Segments : One</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="3" style="text-align: center;">Segment wise details</th> </tr> <tr> <th style="width: 15%;">Segments</th> <th style="width: 25%;">Segment Area(in ha.)</th> <th style="width: 60%;">Kml File of Segments<br/>(To view KML file on google the same may be downloaded and then open if in google earth install in your computer).</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">0.3009</td> <td style="text-align: center;">  <a href="#">View File</a> </td> </tr> </tbody> </table> <p>(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted; </p> <p>(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station; </p> |                      |  | Segment wise details |  |  | Segments | Segment Area(in ha.) | Kml File of Segments<br>(To view KML file on google the same may be downloaded and then open if in google earth install in your computer). | 1. | 0.3009 |  <a href="#">View File</a> |
| Segment wise details  |                      |  |                      |  |  |          |                      |  |    |        |  |
| Segments  | Segment Area(in ha.) | Kml File of Segments<br>(To view KML file on google the same may be downloaded and then open if in google earth install in your computer). |                      |  |  |          |                      |  |    |        |  |
| 1.  | 0.3009               |  <a href="#">View File</a>                               |                      |  |  |          |                      |  |    |        |  |

**D. Justification for locating the Project in forest land and details of alternatives examined:**

- (i). Copy of note containing justification for locating the Project in forest land: 
- (ii). Whether a copy of map indicating location of alternative examine is required to be provided:  
No
- (a). Reason for not providing such map: The pipeline has been proposed along & within ROW

**E. Employment likely to be generated**

- (i). Whether the Project is likely to generate employment ? : No

**F. Displacement of People due to the Project, if any**

- (i). Whether Project involves displacement?: No

**G.**


### Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: No

### H. Status of Environmental Clearance

(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986 ? : No

### I. Status of Wildlife Clearance

(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

### J. Applicability of special provisions governing Scheduled Areas

(i). Whether the Project or a part thereof is located in a Scheduled Area? : No

### K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

(i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : No


### L. Details of land identified for Compensatory Afforestation

(i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable

(ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted ? : Not Applicable

(iii) . Reason for not providing Non-Forest Land: Not Applicable

### Additional information Details

| Documents |   |         |
|-----------|---|---------|
| S.No      | Documents   | Remarks |
| 1         |  |         |

Print page





**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

## FORM - A

Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities

## PART - I

(To be filled up by user agency)

### 1. Project details

- |       |   |   |
|-------|---|---|
| (i)   | Short narrative of the proposal & project / scheme for which the forest land is required. | <b>Project:</b> Laying Natural Gas Pipeline to Gas Distribution Network in Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli. |
|       |   | <b>Proposal:</b> Diversion of 0.3009 Hectare of Protected Forest land in Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli.   |
| (ii)  | Map showing the required forest land, boundary of adjoining forest on 1:50,000 scale map. | Attached  |
| (iii) | Cost of the project   | Rs. 32 Lakhs (Approx.)  |
| (iv)  | Justification for locating the project in forest area.                                    | The final route has been selected based on reconnaissance and detailed route survey through the consultant, M/s Secon Pvt. Ltd. Details attached.                 |
| (v)   | Cost - benefit analysis (to be enclosed)  | Not applicable.   |
| (vi)  | Employment likely to be generated   | 0 nos. (skilled & unskilled)  |

- 2 Purpose wise break - up of the total Strip Protected Forest land required is as under:

| Sl. No. | Details of Crossing  | GGL Pipeline Length in Km | GGL Pipeline Connectivity                                      | ROU in Mtr. |       | Area in Hectare |
|---------|--|---------------------------|--|-------------|-------|-----------------|
|         |  |                           |  | Length      | Width |                 |
| 1       | Asphalted Road (Surangi - Amboi - Kala - Kherdi Road) Crossing       | -                         | <b>Kala - Karachgam - Velugam Industrial Area Connectivity</b> | 10 X 2      | 0.5   | 0.0010          |
| 2       | Parallel to Asphalted Road (Kala bus stop to Karachgam - Udhva Road) | L=1/900 Km                |  | 1900        | 0.5   | 0.0950          |



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

|                              |   |               |  |        |     |               |
|------------------------------|---|---------------|--|--------|-----|---------------|
| 3                            | Asphalted Road<br>(Kala – Karachgam<br>- Udhva Road)<br>Crossing                                      | -             | <b>Kala –<br/>Karachgam –<br/>Velugam<br/>Industrial<br/>Area<br/>Connectivity</b> | 10 X 2 | 0.5 | 0.0010        |
| 4                            | Parallel to<br>Asphalted Road<br>(Kala – Karachgam<br>- Udhva Road)                                   | L=0/660<br>Km |  | 660    | 0.5 | 0.0330        |
| 5                            | Parallel to<br>Asphalted Road<br>(Karajgam –<br>Kakadpada Road)                                       | L=1/020<br>Km |  | 1020   | 0.5 | 0.0510        |
| 6                            | Parallel to<br>Asphalted Road<br>(Karajgam –<br>Dungripada Road)                                      | L=0/840<br>Km |  | 840    | 0.5 | 0.0420        |
| 7                            | Parallel to<br>Asphalted Road<br>(Velugam NH-848A<br>Road to Kodad<br>village up to DNH<br>Area Road) | L=0/500<br>Km |  | 500    | 0.5 | 0.0250        |
| 8                            | National Highway -<br>848A (Surangi –<br>Velugam Road)<br>Crossing                                    | -             |  | 10 X 2 | 0.5 | 0.0010        |
| 9                            | Parallel to National<br>Highway -848A<br>(Surangi – Velugam<br>Road)                                  | L=0/997<br>Km |  | 997    | 0.5 | 0.0499        |
| 10                           | National Highway -<br>848A (Surangi –<br>Velugam Road)<br>Crossing                                    | -             |  | 10 X 2 | 0.5 | 0.0010        |
| 11                           | Asphalted Road<br>(Silvassa – Saily<br>Road) Crossing   | -             | <b>Near Namo<br/>Medical<br/>Collage<br/>Connectivity</b>                          | 10 X 2 | 0.5 | 0.0010        |
| <b>Total Area in Hectare</b> |   |               |  |        |     | <b>0.3009</b> |

**Total Forest land required 3009 Sq. Mtr. i.e. 0.3009 Hect.**

**3. Details of displacement of people due to the project if any :**

- |       |  |     |
|-------|--|-----|
| (i)   | Number of Families                                     | N.A |
| (ii)  | Number of scheduled<br>Castes/Scheduled Tribe families | N.A |
| (vii) | Rehabilitation plan. (to be enclosed)                  | N.A |



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**


---

- |   |                               |
|---|-------------------------------|
| 4. Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No.)   | N.A.                          |
| 5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory afforestation as well as cost for protection and regeneration of safety zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed) | Yes                           |
| 6. Details of Certificate / documents enclosed as required under the instructions.  | Additional annexure attached. |
| 7. Undertaking for payment of Net Present Value (NPV) of the land diverted.   | Yes, attached                 |

Date: 04.02.2023  
Place: Ahmedabad



**For Gujarat Gas Limited**

  
**Vipul Patel**  
**Dy. Manager (ROU)**



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

---


### **UNDERTAKING (NPV)**

Gujarat Gas Limited gives undertaking that additional amount of the NPV of the diverted forest land, if any, be coming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee constituted by the Supreme Courts and the same shall be paid by Gujarat Gas Limited.

Place: Ahmedabad  
Date: 04.02.2023



**For Gujarat Gas Limited,**

  
**Vipul Patel**  
**Dy. Manager (ROU)**

**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala - Karachgam - Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam - Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

---

### **UNDERTAKING for Compensatory Afforestation**

Gujarat Gas Limited is willing to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory afforestation as well as cost for protection and regeneration of safety zone, etc. as per the scheme prepared by the U/T.

Place: Ahmedabad  
Date: 04.02.2023

**For Gujarat Gas Limited,**



**Vipul Patel**  
**Dy. Manager (ROU)**

**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala – Karachgam – Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam – Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).**

### **DETAILED NOTE ON THE PROJECT**

#### **INTRODUCTION:-**

Gujarat Gas Limited (GUJARAT GAS), having the registered office of the company situated in the State of Gujarat at Gujarat Gas CNG Station, Sector – 5/C, Gandhinagar – 382 006.

Gujarat Gas Limited (GUJARAT GAS) is currently in the business to setup Piped Natural Gas network (PNG) to provide PNG for residential consumers as well as commercial units and CNG Station in Kala – Karachgam – Surangi – Saily village & Surrounding Area of Dadra and Nagar Haveli (U/T).

Gujarat Gas Limited is planning to lay 160/125/90/63 mm dia MDPE pipeline to supply natural gas to various Industries/village in Dadra and Nagar Haveli areas to provide natural gas to enroute industries/consumers in Dadra and Nagar Haveli (U/T).

As a part of Gujarat Gas project approximately 6.017 Km long 160/125/90/63 mm dia MDPE pipeline in Dadra and Nagar Haveli Surrounding Area Gas Distribution Network (Kala – Karachgam – Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity) is required to be laid in DNH, Gujarat State. It will be laid underground with a minimum clear cover of 1.2 meter.

One of the main objects to be pursued by the company on its incorporation is to lay, design, construct, fabricate, install and maintain gas process and gas manufacturing plants, gas installation including gas storage, machinery apparatus, pipes, valves fillings, meters and other allied accessories necessary and useful for the manufacturer, supply and destination of gas and energy.

#### **Investigation: -**

The route has been carefully selected to minimize total length of the pipeline and forests based on desktop study and reconnaissance survey carried out by consultants M/s. Secon Pvt. Ltd.

The Right of Use (RoU) for forest area is proposed as a minimum of 0.5 mts. width (which is the minimum requirement).

The alignment is selected in such a way that while crossing the area under forest cutting of trees is minimized / avoided.

#### **Design:-**

The entire pipeline will be designed to withstand a Maximum Allowable Operating Pressure (MAOP) of 99 Kg per Sq. Cm. The design code that generally will be followed would be ANSI B31.8. However, good engineering practices and other guidelines from other international standards like OISD (Oil Industries and Safety Directorate) will be followed as felt necessary to make the pipeline operation standard and safe. 20% excess flow capacity will be built in to pipe size to provide flexibility to the customer and to absorb hourly fluctuations of its consumption and spread its committed quantity over 24 hours.



The block contains a handwritten signature in blue ink and a circular blue stamp. The stamp features the text 'GUJARAT GAS LIMITED' around the top edge and 'AHMEDABAD' around the bottom edge. In the center of the stamp is a logo consisting of a flame inside a circle, with the words 'GUJARAT GAS' written below it.



**Gas Distribution Network in Dadra & Nagar Haveli Area (Kala – Karachgam – Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity):** Diversion of 0.2989 Hectare Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam – Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).

---

**Pipe material: -**

Pipe material would be American Petroleum Institute (API) grade steel, inspected at mills through third party inspection agency. All valves would be full-bore ball with gas/gas-oil actuators for operation. Entire pipeline would be piggable. All pipe fittings would be matching type and class.

**Corrosion protection: -**

The pipeline will be coated with 3 layers of Polyethylene (PE). All field joints will be coated with Raychem sleeve or equivalent followed by Holiday detection to ensure continuity of corrosion protective layer. A suitable, impressed current cathodic protection system will be provided as an additional protection to the pipeline.

A competent pipe laying contractor will be engaged for this work. The project will be monitored at site and office levels through latest project management software like MS.

The pipeline will be constructed as per the latest international standards like ANSI B31.8 and ASME. All good engineering practices will be followed during fabrication and laying of the pipe including usage of approved welding procedures, qualified welders and well identified consumable. Radiography of weld joints will be carried out as per applicable standard. Periodic pigging of the pipeline during construction will ensure expeditious completion and smooth commissioning. Entire execution will be supervised by a competent Third Party Inspection (TPI) agency that will in turn test and certify the pipeline trial commissioning will also be done under the supervision of this TPI.

**Investments:-**

The estimated total cost of the project is Rs. 32 Lakhs (Approx.)

**Time Schedule:**

The completion schedule for this project is 2022-2023

Place: Ahmedabad  
Date: 04-02-2023



For, Gujarat Gas Limited.

  
Vipul Patel  
Dy. Manager (ROU)

Gas Distribution Network in Dadra & Nagar Haveli Area (Kala – Karachgam – Velugam Industrial Area Connectivity & Near Namo Medical Collage Connectivity): Diversion of 0.3009 Hectare (Instead of 0.2989 Hect.) Protected Forest land for laying 160/125/90/63 mm dia MDPE pipeline parallel & across to Road side strip plantation declared as Protected Forest for Kala - Karachgam – Surangi - Saily village Surrounding Area of Dadra and Nagar Haveli (U/T).

### JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST LAND

In consideration of the requirements of Environmental parameters, construction methodologies to be adopted for different terrain encountered en-route, design and engineering factors, availability of logistic support during construction, operation and maintenance of pipeline, various feasible routes were identified by the Consultant **M/s. Secon Pvt. Ltd.** based on desk study of relevant topographic maps of Survey of India.

The study was subsequently supplemented with field reconnaissance and data collection along the feasible routes. Finally the optimum route was arrived at after analyzing the various data and conducting in depth study of topographic maps based on field data.

#### Methodology of selection of pipeline route

Relevant topographic maps along the various alternative pipeline route (s) were identified. After conducting a detailed desktop study of the alternative routes on the topographic sheet the feasible routes were identified. This was subsequently supplemented with route reconnaissance data collection along the feasible routes for arriving at the optimum route.

The route is finalized. The route along/across Asphalted Road in Kala-Karachgam-Surangi-Saily village Surrounding Area along with the villages en-route.

The pipeline will be laid at minimum 1.2 m below ground level and as per the requirement of authority.

The pipeline will be laid through protected forest land for about **3009 Sq.m** i.e. **0.3009 Hectares** of land.

#### Factors considered

While identifying the various alternatives for selection of the optimum route following factors were considered

- Pipeline route has been finalized in such a way that minimum forest land will be utilized as well as tree cutting will be avoided.
- Demand and supply center
- Compliance with environmental regulations
- Safety of people and property
- Shortest possible pipeline length
- Minimum number of bends
- Favorable ground profile for pipeline hydraulics
- Accessibility to pipeline route during construction, maintenance and operation
- Location of pipeline facilities and access there to
- Avoidance of mining protected and reserved forest archaeological and other sensitive areas.
- Avoidance of unstable ground features
- Minimizing road, rail, rivers, and flood prone areas
- Avoidance of rocky stretches
- Avoidance of areas reserved for planned future development
- Flexibility for future expansion

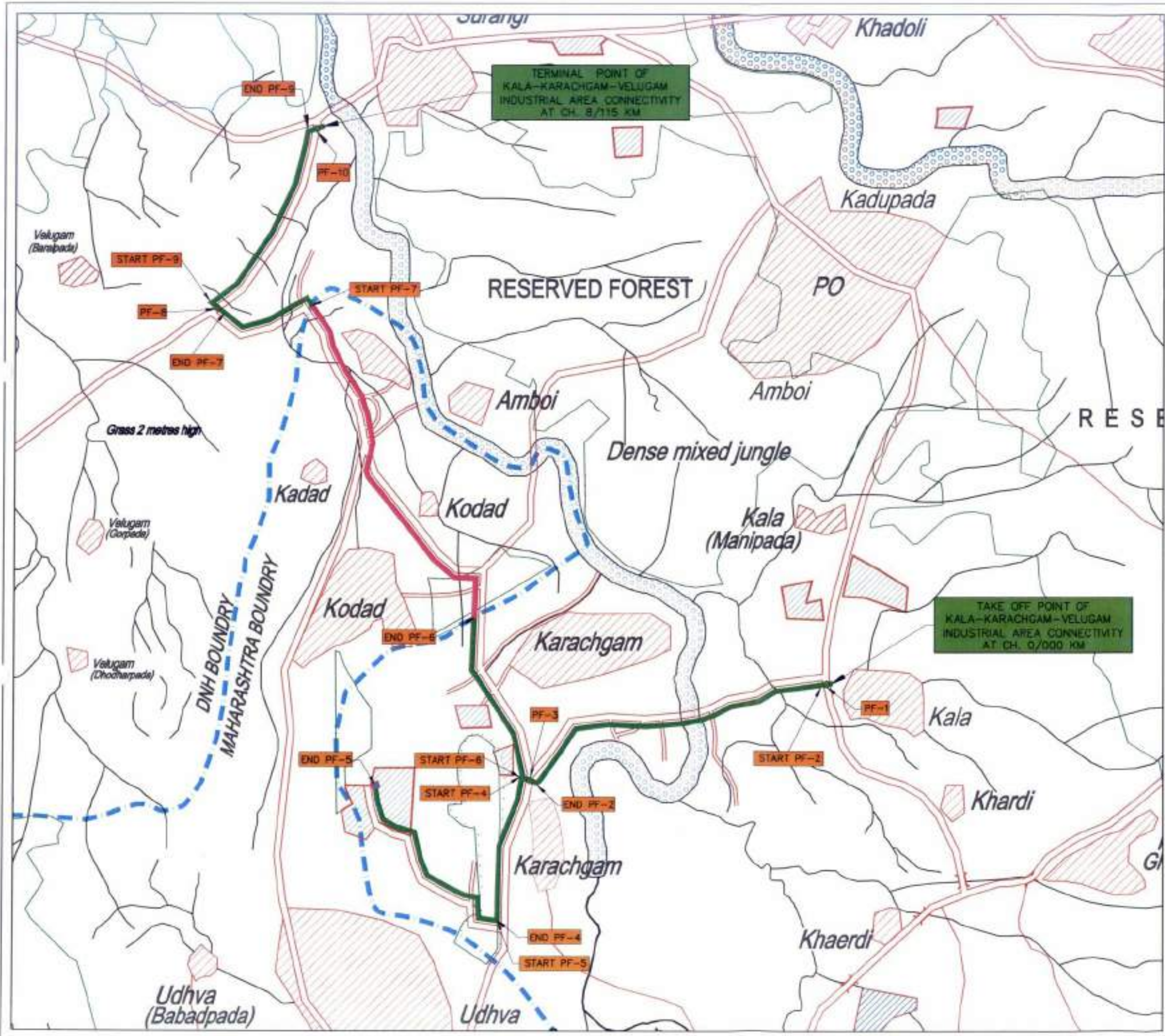
Based on the above detailed route surveys have been carried out to finalize the exact development corridor for laying the pipeline.



For, Gujarat Gas Limited.

Vipul Patel  
Dy. Manager (ROU)





| GPS CO-ORDINATE OF PIPELINE WITH IN FOREST AREA |            |   |               |               |
|---|------------|---|---------------|---------------|
| SR.NO.  | PF NO.     | NAME OF PIPELINE CONNECTIVITY                       | LATITUDE      | LONGITUDE     |
| 1   | PF-1       | KALA-KARACHGAM-VELUGAM INDUSTRIAL AREA CONNECTIVITY | 20° 7'31.18"N | 73° 1'29.86"E |
| 2   | START PF-2 |   | 20° 7'31.03"N | 73° 1'29.39"E |
|   | END PF-2   |   | 20° 7'11.87"N | 73° 0'34.40"E |
| 3   | PF-3       |   | 20° 7'11.88"N | 73° 0'33.84"E |
| 4   | START PF-4 |   | 20° 7'11.88"N | 73° 0'33.71"E |
|   | END PF-4   |   | 20° 8'50.97"N | 73° 0'29.35"E |
| 5   | START PF-5 |   | 20° 8'50.97"N | 73° 0'29.35"E |
|   | END PF-5   |   | 20° 7'5.34"N  | 73° 0'4.85"E  |
| 6   | START PF-6 |   | 20° 7'11.88"N | 73° 0'33.71"E |
|   | END PF-6   |   | 20° 7'32.12"N | 73° 0'19.27"E |
| 7   | START PF-7 |   | 20° 8'32.85"N | 72°59'56.37"E |
|   | END PF-7   |   | 20° 8'32.49"N | 72°59'41.83"E |
| 8   | PF-8       |   | 20° 8'32.58"N | 72°59'41.64"E |
|   | START PF-8 |   | 20° 8'32.68"N | 72°59'41.35"E |
| 9   | END PF-8   |   | 20° 8'1.35"N  | 72°58'54.52"E |
|   | START PF-9 |   | 20° 8'2.02"N  | 72°58'54.63"E |
| 10  | PF-10      |   | 20° 8'2.02"N  | 72°58'54.63"E |

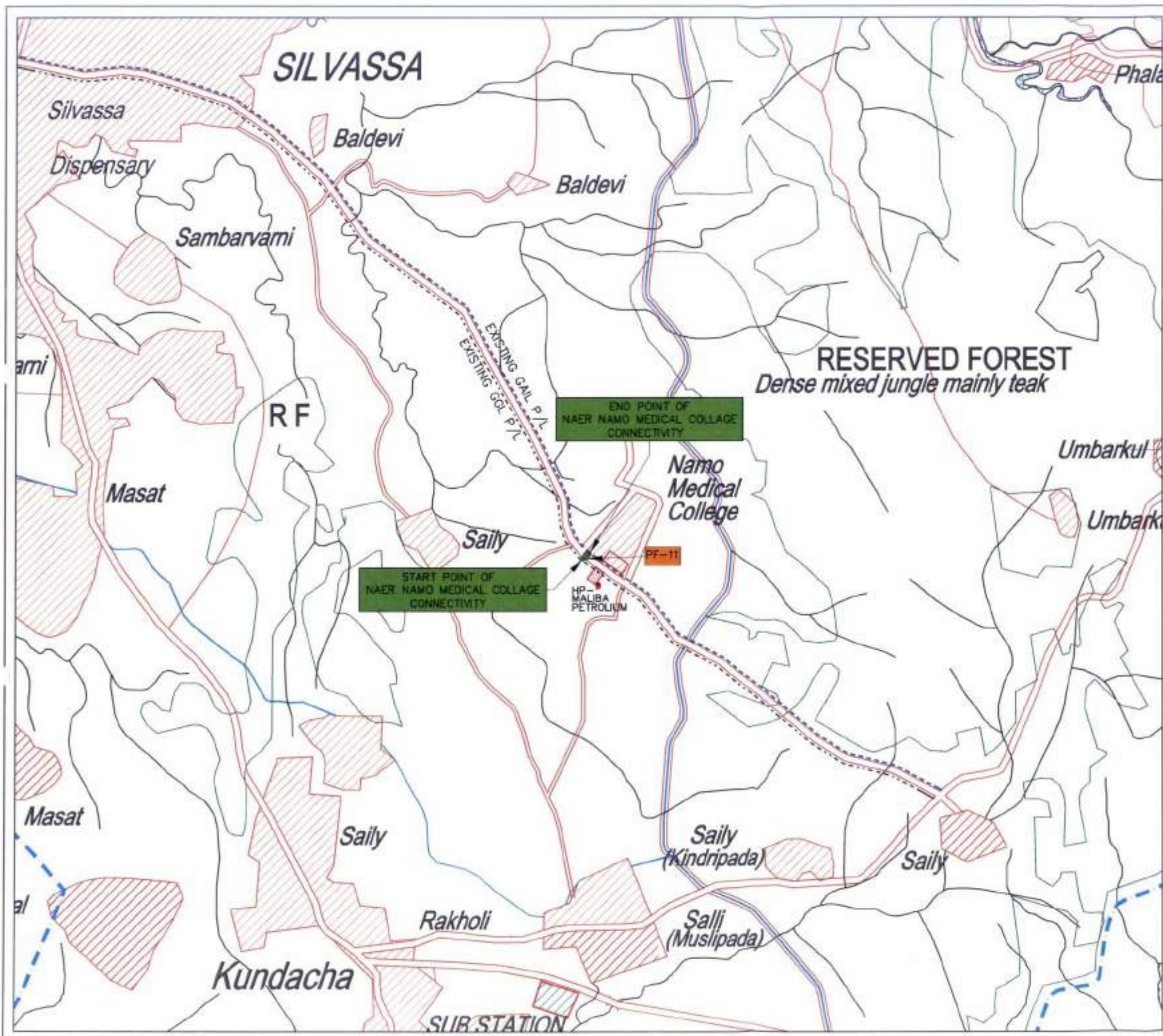


LEGEND:-

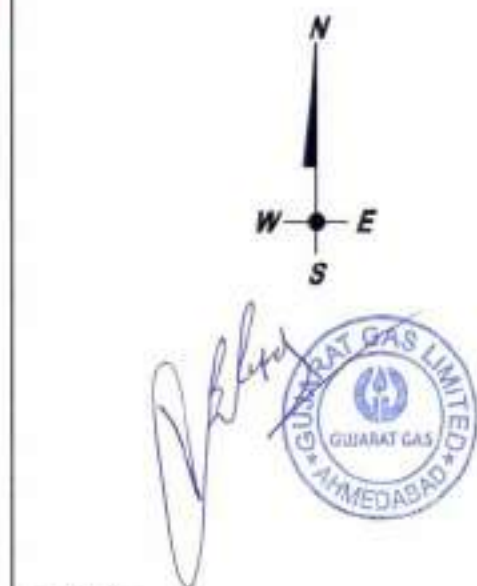
- PROPOSED PIPELINE IN MAHARASHTRA STATE
- PROPOSED PIPELINE WITHIN PF AREA
- PF CROSSING
- ASPHALTED ROAD / NATIONAL HIGHWAY

|                   |   |           |       |      |           |
|-------------------|---|-----------|-------|------|-----------|
| DD 11/01/23       | DESIGNED FOR APPROVAL   | SAFARI    | REV 1 |      |           |
| No                | DATE  | REVISIONS | BY    | CHKD | APPRD     |
|                   |   |           |       |      | PROJ ENGR |
| CLIENT            | GUJARAT GAS LIMITED<br>AHMEDABAD, GUJARAT                                     |           |       |      |           |
| SURVEY CONSULTANT | SECOR PRIVATE LIMITED<br>BANGALORE - 66                                       |           |       |      |           |
| TITLE             | ROUTE MAP FOR DNH GA<br>KALA-KARACHGAM - VELUGAM INDUSTRIAL AREA CONNECTIVITY |           |       |      |           |
| SCALE             | DRAWING NO  |           |       |      |           |
| 1:20,000          | DD  |           |       |      |           |





| GPS CO-ORDINATE OF PIPELINE WITH IN FOREST AREA |        |  |               |              |
|---|--------|--|---------------|--------------|
| SR.NO.  | PF NO. | NAME OF PIPELINE CONNECTIVITY          | LATITUDE      | LONGITUDE    |
| 11  | PF-11  | NAER NAMO MEDICAL COLLEGE CONNECTIVITY | 20°14'54.15"N | 73° 2'2.74"E |



LEGEND:-

PROPOSED PIPELINE WITHIN PF AREA

ASPHALTED ROAD

|                    |  |        |       |      |           |
|--------------------|--|--------|-------|------|-----------|
| DD 17.01.23        | ISSUED FOR APPROVAL  | SATISH | DEV K |      |           |
| No. DATE           | REVISIONS  | BY     | CHKD  | APPD | PROJ ENGR |
| CLIENT             | GUJARAT GAS LIMITED<br>AHMEDABAD, GUJARAT                      |        |       |      |           |
| SURVEY CONSULTANTS | SECON PRIVATE LIMITED<br>BANGALORE - 56                        |        |       |      |           |
| TITLE              | ROUTE MAP FOR DWH GA<br>NAER NAMO MEDICAL COLLEGE CONNECTIVITY |        |       |      |           |
| SCALE              | DRAWING NO   |        | REV   |      |           |
| 1:10,000           | NEDM/02/NAER NAMO MEDICAL COLLEGE CONNECTIVITY/RM-01           |        | 00    |      |           |



TOPO SHEET  
NO-46D/16

TERMINAL POINT OF  
KALA-KARACHGAM-VELUGAM  
INDUSTRIAL AREA CONNECTIVITY  
AT CH. 8/155 KM

TOPO SHEET  
NO-46H/4



GUJARAT GAS LIMITED  
AHMEDABAD, GUJARAT

LEGEND:-  
— PROPOSED PIPELINE IN MAHARASHTRA STATE  
— PROPOSED PIPELINE WITHIN PF AREA  
● PF CROSSING  
— ASPHALTED ROAD / NATIONAL HIGHWAY

SCALE: 1:20,000

