



गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम - महाराष्ट्र शासी)

GAIL (India) Limited

(A Government of India Undertaking - A Maharashtra Company)

GAIL/MNPL/Forest/Thane/Shahpur_D/02

पुणे, महाराष्ट्र
महाराष्ट्र स्टेट ऑफ द गैस
पुणे रोड नागपुर-441105

Office :
Hotel Le Meridien, (R.No. 402/113)
Opp. MIHAN Flyover
Wanajira Road, Nagpur 441108

Date: 17/09/2021

To:
Office of the Deputy Conservator of Forest,
Shahpur Forest Division,
Shahpur, Thane-421601

Subject: Reply to EDS raised by authority for Diversion of 2.2472 Ha. Forest land for laying of Natural Gas Pipeline from Mumbai to Nagpur through Thane, Nashik, Ahmednagar, Aurangabad, Jalna, Buldhana, Washim, Amravati, Wardha & Nagpur districts in the state of Maharashtra.

Ref.: 1. Our Proposal No.: FP/MH/Pipeline/140171/2021
2. Our office letter no. GAIL/MNPL/Forest/Thane/Shahpur_D/01 dated 21/05/2021 (Received on 03/06/2021)
3. EDS No.: Desk-6(3)/20/Land/804/2021-22 dated 30/06/2021

Respected Sir,

With reference to the above subject and Essential Details Sought raised on 30/06/2021, the compliance along with fresh proposal as per Checklist of Maharashtra State.

The compliance of comments is enclosed herewith.

Sr. No.	Description	Compliance Remark
1	Proposal not as per checklist	All required documents of checklist enclosed From 1 to 57
2	Chronology of Events not submitted in the proposal	Enclosed as Certificate-26
3	Part-I is not descriptive. The details of the project should be descriptive.	Enclosed as Part-I
4	Details of employment potential in terms of man days of skilled, semiskilled and unskilled persons on permanent (direct and indirect) and temporary (direct and indirect) have not been provided	Enclosed as Part-I, Temporary Employment generated direct or indirect are 150 during Construction period.

पंजीकृत कार्यालय
गेल भवन, 16 भिकाजी कामा प्लेस
नई दिल्ली-110066, इंडिया

REGD OFFICE:
GAIL BHAWAN, 16 BHIKAJI CAMA PLACE
NEW DELHI-110066, INDIA

मिडिल वी. खरवडीकर / M.V. Kharvadikar
उप-महानिदेशक निर्माण / U.S.M.C. Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Limited
नागपुर महाराष्ट्र / Nagpur Maharashtra
www.gailonline.com

विधि
उपनिर्देशक/उप निदेशक
गेल भवन
20/09/2021

Acknowledgement Slip

A proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980, as per the details given below, has been examined by the Nodal Officer, Forest (conservation) Act, 1980, Government of Maharashtra and has been found to be complete in all respect.

1. **Proposal No.** : FP/MH/Pipeline/140171/2021
2. **Proposal Name** : Mumbai-Nagpur Pipeline Project (Diversion)
3. **Category of the Proposal** : Pipeline
4. **Date of Submission** : 31/03/2021
5. **Name of the Applicant with Contact Details**
Name : Abhishek
Mobile No. : 9999650855
State : Uttar Pradesh
District : Gautam Buddha Nagar
Pincode : 201301
6. **Area Applied (ha.)** : 2.2472

Please provide duly signed hard copy of the above proposal along with all necessary enclosures to the office of the each concerned Divisional Forest Officer and the District Collector and upload a copy of the acknowledgement slip(s) (single pdf file) as per the format given below, obtained from each of the above authorities, on portal of this Ministry for further processing of the above proposal.

(System Administrator)

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 Maharashtra on 31/03/2021.

1. **Proposal No.** : FP/MH/Pipeline/140171/2021
2. **Proposal Name** : Mumbai-Nagpur Pipeline Project (Diversion)
3. **Category of the Proposal** : Pipeline
4. **Date of Submission** : 31/03/2021
5. **Name of the User Agency with Contact Details**
Name : Abhishek
Mobile No. : 9999650855
State : Uttar Pradesh
District : Gautam Buddha Nagar
Pincode : 201301
6. **Area Applied (ha.)** : 2.2472

(System Administrator)

FORM - A

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

PART - I

(To be filled up by User Agency)


A. General Details

A-1. Project Details

- (i). Proposal No. : FP/MH/Pipeline/140171/2021
- (ii). Name of Project for which Forest Land is required : Mumbai-Nagpur Pipeline Project (Diversion)
- (iii). Short narrative of the proposal and Project/scheme for which the forest land is required : Laying of Natural Gas Pipeline from Mumbai to Nagpur through Thane, Nashik, Ahmednagar, Aurangabad, Jalna, Buldhana, Washim, Amravati, Wardha & Nagpur Districts
- (iv). State : Maharashtra
- (v). Category of the Project : Pipeline
- (vi). Shape of forest land proposed to be diverted : Linear
- (vii). Estimated cost of the Project(Rupees in lacs) : 377173
- (viii). Total Area of Forest Land proposed for diversion(In ha.): 2.2472
- (ix). Non-Forest Land required for this project(In ha.): 4.4635
- (x). Total period for which the forest land is proposed to be diverted(In years): 99

A-2. Details of User Agency

- (i). Name : GAIL (INDIA) LIMITED (MNPL)
- (ii). Address1 : GAIL Jubilee Tower, B-35 & 36, Sector-1, Noida
- (iii). Address2 : NIL
- (iv). State : Uttar Pradesh
- (v). District : Gautam Buddha Nagar
- (vi). Pin : 201301
- (vii). Landmark : NIL


अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्व एवं भू-अभिलेख) / Sr. Manager (S & LR)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गैल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
बी-35 एवं 36, सेक्टर-1, नोएडा-201 301 (ए)
B - 35 & 36, Sector-1, Noida - 201 301 (U)

(viii). Email address : amohan@gail.co.in

(ix). Landline Telephone No. : 120-2446400

(x). Fax No. : 120-

(xi). Mobile No. : 9999650855

(xii). Website (If any) : NIL

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

A-3. Details of Person Making Application

(i). First Name: Abhishek

(ii). Middle Name: NIL

(iii). Last Name: Mohan

(iv). Gender: Male

(v). Designation: Sr Manager

(vi). Address 1: GAIL Jubilee Tower, B-35 36, Sector-1, Noida

(vii). Address 2: NIL

(viii). State: Uttar Pradesh

(ix). District: Gautam Buddha Nagar

(x). Tehsil: Gautam Buddha Nagar

(xi). Pin: 201301

(xii). Landmark: NIL

(xiii). Email Address: amohan@gail.co.in

(xiv). Landline Telephone No.: 120-2446400

(xv). Fax No.: NIL

(xvi). Mobile No.: 9999650855

(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:

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्व एवं भू-आविलेख) / Sr. Manager (S & LR)
गेल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गेल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
बी-35 एवं 36, सेक्टर-1, नोएडा-201 301 (उ.प्र.)
B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)



B. Details of land required for the Project

- B-1. Details of proposal seeking prior approval of Central Government under the Act for 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.	Shahapur	2.2472	4.4635

- B-2.2 Details of Districts involved

District wise breakup			
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Thane	2.2472	4.4635

- B-2.3 Village wise breakup

Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	Hal	0.3685	0
2	Ambarje	0.2513	0.3694
3	Khutadi	0.3315	0.7566
4	Saralambe	0	1.5275
5	Birwadi	0.4231	0.1321
6	Shirol	0.8728	1.6779

- B-2.4 Component wise breakup


Component wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Pipeline	2.2472	4.4635


C. Maps of forest land proposed to be diverted


Division 1. : Shahapur	
(i). Area of forest land proposed to be diverted(in ha.) : 2.2472	
(ii). : Linear	

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्व एवं भू-अभिलेख) / Sr. Manager (S & LR)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गैल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
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(b). No. of Segments : One

Segment wise details		
Segments	Segment Area(in ha.)	Kml File of Segments
1.	2.2472	 View File

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

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: Yes

(a). Copy of map indicating location of alternative examined: 

E. Employment likely to be generated

(i). Whether the Project is likely to generate employment?: Yes

(ii). Permanent/Regular Employment(Number of persons): 0

(iii). Temporary Employment(Number of person-days): 150

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

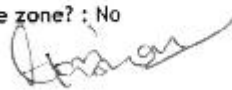
(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986?: No

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

अभिषेक मोहन / Abhishek Mohan
Sr. Manager (S&LP)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गैल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
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B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)



(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		Detailed Note on the Project

Print page



अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्वे एवं भू-अभिलेख) / Sr. Manager (S & LR)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
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B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

STATE:- MAHARASHTRA

CIRCLE:-

DIVISION:- Shahapur

Name of the Proposal:-

Check list for preparing of Maharashtra State for diverting forest land for non forest use under provisions of Forest (Conservation) Act, 1980 for Irrigation road/Transmission line/ wind mill/OFC/water supply scheme & other developments project.

Sr. no.	Details of Check list	Compliance
1	Information of the proposal from item of from 1(I) regarding short description of the proposal/project which should invariably include	Enclosed
	a) cost of outlay b) justification for locating the project in forest in area giving alternative those were examined and reasons for the rejection c) Financial & social benefits. d) Total Population benefits. e) Employment generated.	
2.a	The Geo digital maps in 1:10,000 or any suitable scale with geo-reference boundary in shape file prepared by using total situation or differential GPS and also indicate forest land. Non forest land & adjoining land to the proposed for diversion. In different colures must be duly signed by the Deputy Conservator of forests concerned and project Authority. As per the GOI letter No. 11-9/98-FC. Dt.8/7/2011. Compartment boundary on the map should clearly be misstated. Satellite imageries to be used to show the density of forest cover to be enclosed.	Enclosed
b	Index Map in 1:50,000 scale with Project location. Latitude longitude to be enclosed.	Enclosed
	1. Proposed area up to 1.00 ha Only one co-ordinate to be given 2. Proposed area up to 1.00 to 5.00 ha <input type="checkbox"/> Two co-ordinate diagonally to be given 3. Proposed area up to 5.00 ha <input type="checkbox"/> Four co-ordinate four Corner to be given	
c	Map of compensatory Afforestation of forest Non forest area in 1:50,000 scale with location of latitude & longitude.	Not Applicable
	1. Proposed area up to 1.00 ha Only one co-ordinate to be given 2. Proposed area up to 1.00 to 5.00 ha <input type="checkbox"/> Two co-ordinate diagonally to be given 3. Proposed area up to 5.00 ha <input type="checkbox"/> Four co-ordinate four Connert to be given	
d	A comprehensive land use plan of the area required should be attached if land required for more than one purpose the building plan and estimate should invariably be attached if the area is required contraction Purpose.	Not Applicable
e	The following information must be complied in the contraction of State Highway / National Highway/ Road/ Winding/ Exploitation Purpose/ Canal/ transmission line & all other linear Project as per GOI guideline vide No. 6-MPB-071/2011-BHO-736, dt.30/4/2012	
i	Map of the alternative alignment or route map examined by Dy.CF/ project Authority to be enclosed.	Enclosed
ii	Show the proposed diversion of forest/ non forest in the Original. Collared or legible topo-sheet and to be enclosed.	Enclosed
iii	To given the Latitude & Longitude of the proposed area at starting, ending, turning point and breaking of the forest area which should be identifiable.	Enclosed

निखिल बी. शर्मा / N.B. Sharma
 सहायक निदेशक / Assistant Director
 गत (ई-का) / (e-ca) (India) Ltd
 नागपुर महाराष्ट्र / Nagpur Maharashtra

iv	To show the existing Water body / Water channel or road this should be identifiable.	Not Applicable
v	To show the newly proposed bridge/Culvert/ underground pass/ tunnel etc. To be identify clearly.	Not Applicable
vi	To enclose the cross section Plan/ Map indicating dimension of (Length/ Width/ Height/ Depth etc.) clearly.	Enclosed
vii	To show the additional impacted area clearly this may be impacted temporarily by the proposed construction.	Enclosed
viii	To show the diversity of the ecology this is to be impacted by the proposed construction.	Not Applicable
f	Map of Eco-Sensitive Zone. In 1:2, 50,000 or 1 to 4 mile scale by showing the distance of "Protected Area" from proposed forest area under diversion In Kilometre.	Enclosed
g	Map of wind Mill and wind mast to be enclosed by showing the 10.00 Km. radius area from the wind mast site on 1:50,000 or 1:25000 scale topo-sheets.	Not Applicable
<u>Certificate by Dy.CF/Chief Conservator of forest and their authenticated documents.</u>		
3	Documents verification Certificates by the Deputy Conservator of the forest.	Enclosed
4	Certificate of Dy. Conservator of forest for absences of alternative about the project and minimum demand of forest area	Enclosed
5	Certificate by the Deputy Conservator of Forest that no violation done of the FCA-1980 and their guideline.	
a	If violated, circumstances leading to violation date of commencement of work/quantity of work done and the amount spends spent Certificate to be furnished by the concerned inspection of side of violation.	Enclosed
b	If work started in the forest land when and how much amount spent on the project and the works done in the forest land	Enclosed
c	Detailed report of the disciplinary action or proposed to be taken against the concerned staff for violation of the provisions of the Act.	Enclosed
d	Details of clarification for the violation. If administrative and technical sanction accorded to the project by the project authority/ user agency after the promulgation of the Forest (Conservation) Act. 1980.	Enclosed
6	Suitability certificate by the Deputy Conservator of Forest that forest and non forest land is suitable for raising trees species.	Enclosed
A	The Compensatory Afforestation certificate must be geo-tagged photos of the areas proposed for Compensatory Afforestation.	Enclosed
7	Certificate of Identified Forest Land Acquired Forest for Compensatory Afforestation Area by the Dy. Conservator of Forests.	Enclosed
8	Certificate of Identified Forest Land Acquired Forest for Non Forest area under the project by Dy. Conservator of Forests.	Enclosed

निखिल बी. खानवडीकर / Nikhil B. Khanavdiker
 उप-महानिरीक्षक / Joint Construction
 गेल (इंडिया) लिमिटेड / Gell India Ltd
 नागपुर महाराष्ट्र / Nagpur Maharashtra

9	Certificate by the Dy. CF Whether the proposed project likely to affect any monument side of cultural, historical, religious archaeological or recreational importance including wild life sanctuaries and national parks to be enclosed	Enclosed
10	Wild life Certificate by the Dy. C.F.	Enclosed
11	Net present Value Certificate must be marked with eco class/category of Forest as per the GIO latter No. 5-3/2007/-FC. Dt. 5/2/2009 to be enclosed.	Enclosed
12	No cutting and felling of trees Certificate of by the Dy. Conservator of Forests to be enclosed	Enclosed
13	Certificate about distance of project from protected area Deputy Conservator of Forest.	Enclosed
14	Certificate of by the Dy. Conservator of Forests alternative examined for liner project (Certificate No-27)	Enclosed
15	Certificate of by the Dy. CF Whether. The required Annexure and the particulars to be proposal furnished in English? If any Govt. Orders are in Marathi. English as required by the Government of India to be enclosed.	Enclosed
16	Zudpi Jungle land offered certificate of by the Dy. Compensatory afforestation is in compact patch and is contingencies of the forest area and is suitable for the management point of view.	Not Applicable
17	Site inspection Report from Deputy Conservator of Forest if forest area involves is less than 10 ha and by Conservator of Forest if forest area involves is more than 10 ha in regard to sensitivity and potential value of the forest area in regard to forest types in catchments and submergence area.	Enclosed
18	Certificate of by the Dy. CF regarding of the proposal of the Eco-Tourism Scrutinized vide GOM order no. WI.P-1002/c.r.53/F-1/ dated 20/2/2008 to be enclosed.	Enclosed
19	Compensatory Afforestation scheme prepared by Dy.CF.	Enclosed
20	Medicinal plantation/ road side/ Canal side plantat on scheme prepared by PA/Dy.cf whether the proposed area is diverted for the wind power/ transmission line and other line proposals to be enclosed.	Enclosed
21	Cost benefits analysis. Whether the area more than 20.00 ha.	Enclosed
22	Item wise break up forest area required category wise (Dam seat, submergence, quarry, roads, colony, canals etc.) area statement to be enclosed.	Enclosed
23	List of Identified forest from the deputy Conservator of Forest.	Enclosed
24	List of tree species wise/ girth wise, with local and scientific name to be given. If filling of tree is essential? The estimate of tree filling to be enclosed. As per GOI latter no. 7-1/89/(For)Part -viii/2012-BHO/848, date. 18/5/2012.	Enclosed
<u>Certificate by Chief Conservator of forest and their authenticated documents.</u>		
25	Net Present value Certificate must be counter signed by Chief Conservator of Forest/ with eco-class/category to be shown in the certificate of Forest as per the GOI letter F.No.5-3/2007/-FC. Dt. 05/02/2009 to be enclosed.	Enclosed
<u>Certificate by Project Agency and their authenticated documents:-</u>		
26	Chronological of Events	Enclosed
27	Attempts made to find out Non forest land for the proposal reasons for its rejection of the same and minimum demand of forest area.	Enclosed
28	Unqualified commitment from the project authority to bear cost of exploitation of felling of tree and their allied works under project.	Enclosed
29	Certificate by the Project Authority for the cost of Compensatory Afforestation. (Certificate No.6)	Enclosed

निखिल बी. खानवडीकर / Nikhil B. Khanavdikar
उप-महानिरीक्षक / Deputy DGM Conservation
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

30	Certificate by the Project Authority that no violation done of the FCA-1980 and their guideline.	Enclosed
31	Certificate by the Project Authority to furnished the Net present Value as per the ordered by the Government of India	Enclosed
32	Certificate by the project authority (Providing i.e. water supply facilities to)	Enclosed
33	Certificate by the Project Authority to get Environmental clearance as per the Environmental Act. 2006 (whenever necessary)	Enclosed
34	Certificate of Non Indemnity to forest Department (by Project Authority)	Enclosed
35	Certificate or NOC from the private owner if the area under private forest act.(acquisition) Act.1975 to be enclosed.(By villagers)	Enclosed
36	Certificate by the Project Authority to take up catchments area treatment plan as per the guideline Government of India	Not Applicable
37	Catchments area treatment plan	Not Applicable
38	Command area development plan.	Not Applicable
39	Certificate by the Project Authority whether stipulation is made that 5% of area under command of the project is made available to the Forest Department for Planting trees and other vegetation for which necessary irrigation should be provided free cost by the project by the authority/user agency. If the forest area involved is less than 2.00 ha and there is no felling to tree growth. It is to be dealt with as per simplified procedure.	Enclosed
40	Project note by the project authority with salient features.	
	a) Total catchment area	Not Applicable
	b) Total command Area	Not Applicable
	c) Full reservoir level	Not Applicable
	d) High flood level	Not Applicable
	e) Minimum drawl levels	Not Applicable
	f) Total catchment area of the dam (in Ha) and its break up forest land. cultivated Land. Pasture, Human cultivation and others.	Not Applicable
	g) Details as per item (f) above the area coming under submergence.	Not Applicable
	h) Total No. of families and population affected, scheduled caste and scheduled Tribe families to be displaced should be separately indicated.	Not Applicable
	i) Proposal for the rehabilitation of affected persons (Rehabilitation Plan)	
	j) Comprehensive land use plan for the area required outside the Submergence i.e. Building roads and other ancillary facilities outside Submergence i.e. building Roads and other ancillary facilities.	Not Applicable
41	It has been observed that water hardly stands the ear around even up to FRL. Trees can definitely stand in water for one to three months and therefore Submergence should be calculated 2 M below FRL. For this following	
	I. Area of submergence at H.F.L. (High flood level)	Not Applicable
	II. Area of submergence at F.R.L. (Full Reservoir level)	Not Applicable
	III. Area of submergence at 2 Meter below F.R.L	Not Applicable

निखिल बी. खरवंडीकर / Nikhil B. Kharwandiakar
 जल-संसाधन विकास निगम
 गैर (प्राइवेट) लिमिटेड / Non (Private) Ltd
 नागपुर महाराष्ट्र / Nagpur Maharashtra

	IV. Area of submergence at 4 Meter below F.R.L	Not Applicable
42	List of trees 2 Meter 4 Meter below F.R.L. in submergence area species wise.	Not Applicable
43	Administrative/Technical approval from the competent authority to be enclosed.	Not Applicable
44	Certificate/undertaking by the project authority regarding the wind power project as per the GOI letter dated 14/05/2004 to be enclosed.	Not Applicable
	<u>Certificate by Other Department:-</u>	
45	In case of proposal related to stone quarries. The recommendation of the Director, Geological and Mines is required.	Not Applicable
46	If any Protected/Archaeological/Heritage site and other Important Monument is located in the area. The Certificate by Archaeological Department to be in enclosed.	Not Applicable
47	Certificate about the distance of the Project from Protected area by the Dy.CF Wildlife Department. Whether the Project area within 10.00 Km should be clearly and /marked.	Not Applicable
48	No objection Certificate of M.D, F.D.C.M for involvement of their area.	Not Applicable
49	Relevant Notification 7/12 Extract/restoration order/Rights of record etc. of the proposed forest land to be enclosed.	Enclosed
	<u>Certificate by Collector:-</u>	
50	Certificate from the Collector that no alternative suitable non-forest land is Available for the project. (In A From itself)	Enclosed
51	Certificate from the Collector under the FRA-2006 with Resolution of the Gram Sabha/Gram Panchayat as per GOI letter dated 3/8/2009 to be enclosed.	Enclosed
52	Certificate of Compensatory Afforestation land made available by Collector.	Enclosed
53	Certificate of non availability of non forest Area for Compensatory Afforestation by the Collector/Commissioner.	Enclosed
54	The agency has not given alternative land to the forest Department. If non forest land for C.A. scheme is not available in the entire state the certificate from the Chief Secretary of the state to be enclosed. Vide GOI letter dt.13/02/2012.	Enclosed
55	As the Project Area is within the 10.00 Km from the boundary of PA area therefore. The information regarding 16 points check list provided by Principle Chief Conservator of Forest (W.I.) Nagpur which is enclosed herewith to be furnished.	Enclosed
56	All the Certificate and documents must have name of signatory, designation. Station & date under the signature as per the GOM latter vide. Dt. 01 December 2010.	Enclosed
57	Resolution of the Gram Sabha may not be required in cases of projects like transmission line, roads, and canals. Lying of the pipeline/optical fibres where linear division of forest land in several villages are involved. Unless recognized rights of PTG/ PAC are being affected as per Government of India F.No. 11-9/98-FC(pt.) dated 05/02/2013	Enclosed

निमित्त श्री. नमोनीकर / Namo B. Khanwendkar
 ज्य. अभियंता/ DGM Conservation
 गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
 नागपुर महाराष्ट्र / Nagpur Maharashtra

**FORM FOR SEEKING PRIOR APPROVAL UNDER SECTION 2 OF THE
PROPOSAL BY STATE GOVERNMENT AND OTHER AUTHORITIES.**

(Part-1)

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. i) Project Details,
Short narrative of the proposal and Project/Scheme for which forest land is required. | Mumbai-Nagpur Pipeline Project (Diversion)
: laying 24" Dia Pipeline along with OFC from Mumbai-Nagpur Along Reserved/Revenue forest |
| ii) Map showing the required forest area, boundary of adjoining forest. | Enclosed |
| iii) Total cost of the project. | Rs 3771 (Crore) |
| iv) Justification for locating the project in the forest area giving alternatives that were examined and reasons for rejection. | Enclosed |
| v) Cost Benefit Analysis | Enclosed |
| vi) No of population benefited | Along the Mumbai Nagpur Pipeline falling across respected Districts.
150 (During Construction Period) |
| vii) Employment Generated | The project will directly reduce the environmental and economical impact of overland transport of fuel along with generating employment opportunity to the local public and providing them with clean and eco-friendly fuel. |
| viii) Financial & Social benefits | |
| 2. Purpose wise backup of the total requirement. | Enclosed (Annexure-22) |
| 3. Item-wise break-up of the total land required for the project/. Details of displacement of people due to the project, if any; | Laying of Pipeline - 2.2472 Ha. (Diversion in Thane District (Forest Area: 2.2472 Ha.)) There is no displacement of People due to project |
| i) Number of families | Nil |
| ii) Number of Schedule Castes / Scheduled Tribe | Nil Families |
| iii) Rehabilitation Plan (to be enclosed) | Not Applicable |
| 4. Whether clearance under Environmental (Protection) Act, 1986 required ? | Not Applicable |
| 5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and for penal compensatory afforestation as well as cost for protection and generation of safety Zone, etc., as per the scheme prepared by the state Government (Undertaking to be enclosed) | Enclosed as per Check List |
| 6. Details of Certificates documents enclosed as required under the instructions. | Enclosed as per Check List |

For, GAIL (India) Limited

निखिल दी. खर्वडेकर / Nikhil D. Kharwadekar
उप-महानिदेशक निर्माण कार्य - Construction
मेन (गैस) लिमिटेड (GAIL India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Date :

Place :

DETAILED NOTE ON PROJECT

GAIL (India) Limited is making clean natural gas conveniently available to multiple customer streams in emerging markets by providing integrated supply chain solutions. As a consequence of rapid rate of industrialization in India, fuel needs are increasing at an equally rapid rate and the supply – demand gap is widening and steps must be taken to address the issue.

Overland transport of fuels by trucks is uneconomical, unsafe and is a contributor to environmental degradation in terms of pollutants released by vehicles in transit and by accidents and spillage. Pipelines are internationally recognized as the preferred alternative for transport of fuel for safety, economy and environmental friendliness. Natural Gas used in a variety of applications such as feed stock in fertilizer, petrochemical industry and as fuel in power generation, manufacturing steel, textile, ceramic, glass and other industrial products.

As a fuel natural gas competes with alternative products such as coal, lignite and petroleum products such as liquefied petroleum gas, naphtha, high speed diesel, light diesel oil and fuel oil. However due to lower fuel operating cost and better combustion characteristics, natural gas has distinct economic advantage over other sources of energy. In addition, natural gas has substantial environmental advantage over energy sources due to lower emissions.

GAIL (India) Ltd. has planned to establish Pipeline from Mumbai to Nagpur, crossing a total of 361 number of villages. As a part of the project, clean natural gas will be made available to various domestic, commercial and industrial customers across the districts, to achieve this, pipeline is planned from Mumbai to Nagpur and will directly result in reducing pollution due to use of fossil fuel, improving the environment and will also greatly benefit the people of the region by being able to easily access clean and efficient fuel for their needs. The project will generate employment for people and benefit the population of the entire region.

For GAIL (India) Limited



**Abhishek Mohan
Sr. Manager (PE-S&LR)**

Place: - Noida

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्व एवं नू-अभिलेख) / Sr. Manager (S & LR)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गैल जुबिली टॉवर / 8th Floor, GAIL Jubilee Tower
बी-35 एवं 36, सेक्टर-1, नोएडा-201 301 (उ.प्र.)
B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST AREA

GAIL (India) Limited has been authorized by Petroleum and Natural Gas Regulation Board to setup Mumbai-Nagpur Pipeline Project. The Pipeline route has been fixed considering technical and economic feasibility of the project by GAIL (India) Limited. The proposed pipeline will be Crossing Reserved/Revenue forest as this is the most feasible route to connect the Mumbai-Nagpur, crossing of the forest area is unavoidable.

In view of above, the proposed pipeline route is the most suitable route from social, environmental and economic point of view as the successful commissioning of said pipeline will lead to environmental benefits and availability of cleaner fuel to the citizens of the region. It will also benefit industrial and commercial units by ensuring the uninterrupted supply of natural gas.

For GAIL (India) Limited



**Abhishek Mohan
Sr. Manager (PE-S&LR)**

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्व एवं भू-अभिलेख) / Sr. Manager (S & LR)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गैल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
सी-35 एवं 36, सेक्टर-1, नोएडा-201 301 (उ.प्र.)
B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

Place: - Noida

Enclosure-2A

The Geo digital maps in 1:10,000 or any suitable scale with geo-reference boundary in shape file prepared by using total situation or differential GPS and also indicate forest land. Non forest land & adjoining land to the proposed for diversion. In different colours must be duly signed by the Deputy Conservator of forests concerned and project Authority. As per the GOI letter No. 11-9/98-FC. Dt.8/7/2011. Compartment boundary on the map should clearly be stated. Satellite imageries to be used to show the density of forest cover to be enclosed.

Enclosed

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2B

Index Map in 1:50,000 scale with Project location. Latitude longitude to be enclosed.

Enclosed

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2C

Map of compensatory Afforestation of forest Non forest area in 1:50,000 scale with location of latitude & longitude.

This is to certify that CA land will be provided at later stages.

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
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नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

COMPREHENSIVE LAND USE PLAN

The forest area to be diverted is to be used for a single purpose, i.e. setting up of Natural Gas pipeline from Mumbai to Nagpur, hence, comprehensive land use plan is not applicable.

For GAIL (India) Limited

Enclosure-2E(i)

Map of the alternative alignment or route map examined by Dy.CF/ project Authority to be enclosed.

Total of three alternatives for the route were examined for the project, the comparison of the routes are as follows:

Alternate	Length (Km)	Forest Area (Ha.)	Remark
1	698.208	19.1122	Out of the total forest land 16.8650 Ha of land shall be re-diversion and fresh forest land for the proposal shall be requested for 2.2472 Ha.
2	673.901	32.4373	Entire forest land in this alternate route shall be fresh forest land.
3	676.961	40.6180	Entire forest land in this alternate route shall be fresh forest land.

As above, Alternate-1 route has least forest land and out of that 2.2472 Ha shall be fresh diversion of forest land and the remaining land shall be Re-diversion proposal.

Hence, due to the reasons above, Alternate-1 is selected as final route.

For GAIL (India) Limited

Enclosure-2E(ii)

Show the proposed diversion of forest/ non forest in the Original. Colored or legible topo-sheet and to be enclosed.

Enclosed

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
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नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2E(iii)

To given the Latitude & Longitude of the proposed area at starting, ending, turning point and breaking of the forest area which should be identifiable.

DGPS Maps Enclosed

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
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नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2E(iv)

To show the existing Water body / Water channel or road this should be identifiable.

Not Applicable

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2E(v)

To show the newly proposed bridge/Culvert/ underground pass/ tunnel etc. To be identified clearly.

Not Applicable

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2E(vi)

Cross section Plan/ Map indicating dimension of (Length/ Width/ Height/ Depth etc.) clearly.

Trench Drawing Enclosed.

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
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नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Enclosure-2E(vii)

To show the additional impacted area clearly this may be impacted temporarily by the proposed construction.

There is Nil additional impacted area beyond the proposed area to be diverted by the proposed construction.

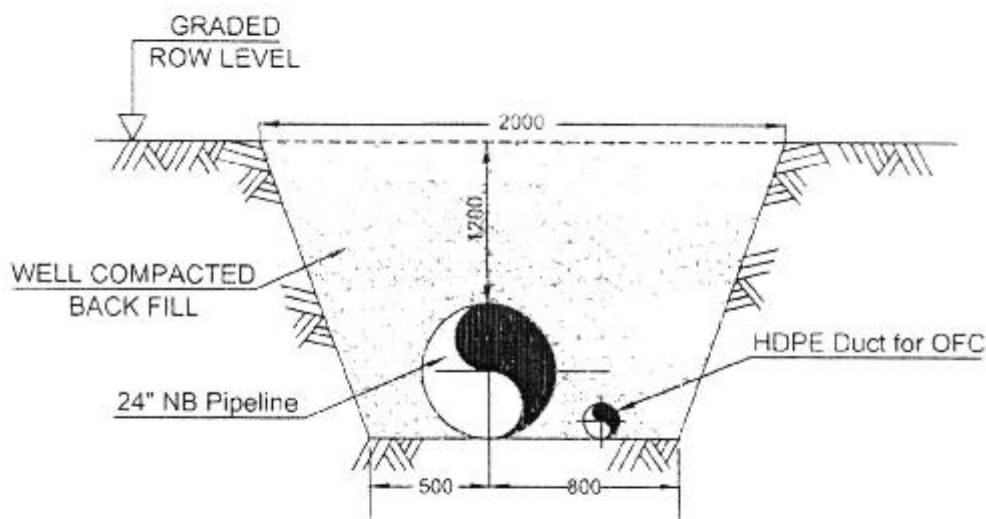
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नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

TYPICAL TRENCH DETAILS

GAIL India Limited.

Project: - **MUMBAI NAGPUR SECTION OF MNPL PROJECT**

Cross Section Drawing of Trench



TRENCH IN NORMAL SOIL TYPICAL SECTION

निखिल बी. खरवंदीकर / Nikhil B. Kharwandiakar
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नागपुर महाराष्ट्र / Nagpur Maharashtra

All Dimensions in mm unless otherwise mentioned

Enclosure-2E(vii)

To show the diversity of the ecology this is to be impacted by the proposed construction.

Not Applicable

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DCM Construction
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नागपुर महाराष्ट्र / Nagpur Maharashtra

Enclosure-2F

Map of Eco-Sensitive Zone showing the distance of "Protected Area" from proposed forest area under diversion In Kilometre.

Enclosed

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DCM Construction
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नागपुर महाराष्ट्र / Nagpur Maharashtra

Enclosure-2G

Map of wind Mill and wind mast to be enclosed by showing the 10.00 Km, radius area from the wind mast site on 1:50,000 or 1:25000 scale topo-sheet

Not Applicable

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DCM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Certificate: 3

Documents verification Certificates by the Deputy Conservator of the forest.

To be provided by forest department

Certificate: 4

Certificate of Dy. Conservator of forest for absences of alternative about the project and minimum demand of forest area

Certificate

This is to certify that this proposal involves "Mumbai-Nagpur Pipeline Project (Diversion: 2.2472 Ha.) for laying 24" Dia Pipeline Natural Gas pipeline along with OFC from Mumbai-Nagpur Along Reserved/Revenue forest", in Thane District is **"2.2472 Ha."**, as per the technical requirement of project and that diversion of forest sought is minimum.

**Deputy Conservator of Forest,
Shahapur**

Place: -

Certificate: 5

**Certificate by the Deputy Conservator of Forest that no violation done of the
FCA- 1980 and their guideline.**

To be given by forest department

Certificate: 5a

If violated, circumstances leading to violation date of commencement of work/quantity of work done and the amount spends spent Certificate to be furnished by the concerned inspection of side of violation.

To be given by forest department

Certificate: 5b

If work started in the forest land when and how much amount spent on the project and the works done in the forest land.

To be given by forest department

Certificate: 5c

Detailed report of the disciplinary action or proposed to be taken against the concerned staff for violation of the provisions of the Act.

To be given by forest department

Certificate: 5d

Details of clarification for the violation. If administrative and technical sanction accorded to the project by the project authority/ user agency after the promulgation of the Forest (Conservation) Act. 1980.

To be given by forest department

Certificate: 6

Suitability certificate by the Deputy Conservator of Forest that forest and non forest land is suitable for raising trees species

To be given by forest department

Certificate: 6a

The Compensatory Afforestation certificate must be geo-tagged photos of the areas proposed for Compensatory Afforestation

Compensatory Afforestation land is not yet finalized. Undertaking for providing non forest land for Compensatory Afforestation will be provided if required as per forest department.

For GAIL (India) Limited

निखिल बी. खरवंडीकर/Nikhil B. Kharwandikar
उप-महानिर्देशक निर्माण/DGM. Construction
गैल (इंडिया) लिमिटेड/GAIL (India) Ltd
नागपुर महाराष्ट्र/Nagpur Maharashtra

Countersign:

**Deputy Conservator of Forest,
Shahapur**

Place: -

Certificate: 7

**Certificate of Identified Forest Land Acquired Forest for Compensatory
Afforestation Area by the Dy. Conservator of Forests**

To be provided by forest department

Certificate: 8

Certificate of Identified Forest Land Acquired Forest for Non Forest area under the project by Dy. Conservator of Forests

To be provided by forest department

Certificate: 9

Certificate by the Dy. CF Whether the proposed project likely to affect any monument side of cultural, historical, religious archaeological or recreational importance including wild life sanctuaries and national parks to be enclosed

To be provided by Forest Department

Certificate: 10

Wild life Certificate by the Dy. C.F

To be provided by Forest Department

Net present Value Certificate must be marked with eco class/category of Forest as per the GIO latter No. 5-3/2007/-FC. Dt. 5/2/2009 to be enclosed

Certificate that the forest land used for "Mumbai-Nagpur Pipeline Project (Diversion) : laying 24" Dia Pipeline from Mumbai-Nagpur Along Reserved/Revenue forest passing through Thane district, state Maharashtra in order to reduce the environmental and economical impact of overland transport of fuel along with generating employment opportunity to the local public and providing them with clean and eco-friendly fuel.

Certified that the amount of Net Present Value of **2.2472 Ha.** forest land applied for diversion has been calculated as Rs. _____/-(Rs. _____ only) which is exactly as per the rates and calculation provided in the GOI letter F. No. 5-3/2007/-FC, Dt 05/02/2009. I/We, hereby undertake to pay the Net present value(NPV) of the forest land .

For GAIL (India) Limited

निखिल बी. खरवंटीकर/Nikhil B. Kharwandikar
उप-महानिर्देशक निर्माण/DGM Construction
गेल (इंडिया), लिमिटेड/GAIL (India) Ltd
नागपुर महाराष्ट्र/Nagpur Maharashtra

Countersign:

**Deputy Conservator of Forest,
Shahapur**

Place: -

Certificate: 12

**No cutting and felling of trees Certificate of by the Dy. Conservator of Forests
to be enclosed**

To be provided by Forest Department

Certificate: 13

**Certificate about distance of project from protected area Deputy Conservator
of Forest**

To be provided by Forest Department

Certificate: 14

Certificate of by the Dy. Conservator of Forests alternative examined for liner project (Certificate No-27)

Alternate route enclosed for the same.

Certificate to be provided by forest department

Certificate: 15

Certificate of by the Dy. CF Whether. The required Annexure and the particulars to be proposal furnished in English? If any Govt. Orders are in Marathi. English as required by the Government of India to be enclosed

Annexure enclosed as per Checklist

Certificate to be provided by forest department

Certificate: 16

Zudpi Jungle land offered certificate of by the Dy. Compensatory afforestation is in compact patch and is contingencies of the forest area and is suitable for the management point of view.

Not Applicable

Certificate: 17

Site inspection Report from Deputy Conservator of Forest if forest area involves is less than 10 ha and by Conservator of Forest if forest area involves is more than 10 ha in regard to sensitivity and potential value of the forest area in regard to forest types in catchments and submergence area.

Forest area for the proposed project is **2.2472 Ha.**

(To be filled by DCF before filling Part II)

Certificate: 18

**Certificate of by the Dy. CF regarding of the proposal of the Eco-Tourism
Scrutinized vide GOM order no. WI.P-1002/c.r.53/F-1/ dated 20/2/2008 to be
enclosed.**

To be filled by forest department

Compensatory Afforestation scheme prepared by Dy.CF.

To be filled by forest department

Certificate: 20

Medicinal plantation/ road side/ Canal side plantation scheme prepared by PA/Dy.cf whether the proposed area is diverted for the wind power/ transmission line and other line proposals to be enclosed

Not Applicable

Certificate: 21

Cost benefits analysis. Whether the area more than 20.00 ha

As, Forest Area for the proposed project is **Diversions: 2.2472 Ha.**, and for the proposed Thane district it is **2.2472 Ha.** The Cost benefit analysis report is enclosed.

For, **GAIL (India) Limited**

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Countersign:

**Deputy Conservator of Forest,
Shahapur**

Place: -

COST BENEFIT ANALYSIS

GAIL (India) Limited has been authorized by Petroleum and Natural Gas Regulation Board to setup pipeline Mumbai-Nagpur. The pipeline is proposed to be laid in accordance with the provisions of P&MP Act, 1962 and amendments thereto for laying underground Pipeline. The Forest area proposed for diversion is 2.2472 Ha and as it is less than 20 Ha and hence Cost Benefit Analysis is not applicable.

For GAIL (India) Limited



**Abhishek Mohan
Sr. Manager (PE-S&LR)**

Place: - *Noida*

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्वे एवं भू-अभिलेख) / Sr. Manager (S & LR)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
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B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

CERTIFICATE FOR MINIMUM USE OF FOREST LAND

This is to certify that the forest area involved in the proposal is unavoidable and barest minimum forest area i.e. **2.2472 Ha** area is proposed for diversion in Thane District.

The proposed pipeline will be crossing Reserved/Revenue forest and as this is the most feasible route to connect Mumbai-Nagpur, crossing of the forest area is unavoidable.

The Forest (Conservation) Act, 1980 and Forest (Conservation) Rules, 2003 have been taken in to consideration during route finalization. And due care has been taken that minimal involvement of any type of forest exists.

For GAIL (India) Limited



**Abhishek Mohan
Sr. Manager (PE-S&LR)**

Place: - *Noida*

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्व एवं भू-अभिलेख) / Sr. Manager (S & LR)
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B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

Certificate: 22

Item wise break up forest area required category wise (Dam seat, submergence, quarry, roads, colony, canals etc.) area statement to be enclosed

Forest area covered is **2.2472 Ha.** for setting up 24" Dia. Natural Gas pipeline along with OFC for Mumbai to Nagpur Area Statement for the same is enclosed.

For, GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Countersigned:

**Deputy Conservator of Forest,
Shahapur**

Place: -

GAIL (INDIA) LIMITED
Project : - Mumbai - Nagpur Pipeline Project
Diversion Proposal in Shahapur Forest Division, Thane District
List of Forest Land

Sr. No.	Patch	Ref. No.	Forest Land Description	Length in Forest (m)	Width (m)	Area in (Sqmt)	Area in (Ha)	Village	Tehsil	District
1	1	R1	Forest Land in Plot No. 112	29.87	10.00	298.69	0.0299	Hal	Shahpur	Thane
2		R2	Forest Land in Plot No. 80	338.57	10.00	3385.69	0.3386	Hal	Shahpur	Thane
3		R3	Forest Land in Plot No. 677	193.84	10.00	1938.41	0.1938	Ambarje	Shahpur	Thane
4		R4	Forest Land in Plot No. 478	32.45	10.00	324.50	0.0325	Ambarje	Shahpur	Thane
5		R5	Forest Land in Plot No. 482	25.03	10.00	250.26	0.0250	Ambarje	Shahpur	Thane
6	2	R6	Forest Land in Plot No. 36	226.72	10.00	2267.20	0.2267	Khutadi	Sahapur	Thane
7	3	R7	Forest Land in Plot No. 46	12.19	10.00	121.90	0.0122	Khutadi	Sahapur	Thane
8		R8	Forest Land in Plot No. 47	14.99	10.00	149.89	0.0150	Khutadi	Sahapur	Thane
9		R9	Forest Land in Plot No. 48	77.65	10.00	776.48	0.0776	Khutadi	Sahapur	Thane
10	4	R10	Forest Land in Plot No. 88	297.08	10.00	2970.76	0.2971	Birwadi	Sahapur	Thane
11	5	R10	Forest Land in Plot No. 88	126.05	10.00	1260.46	0.1260	Birwadi	Sahapur	Thane



अभिषेक मोहन / Abhishek Mohan
 वरिष्ठ प्रबंधक (सर्व एवं ग्राहक संबंध) / Sr. Manager (S & LR)
 गैल (इंडिया) लिमिटेड / GAIL (India) Limited
 8 वां तल, गैल जुबिली टॉवर / 8th Floor, GAIL Jubilee Tower
 बी-35 एवं 36, सेक्टर-1, नोएडा-201 301 (उ.प्र.)
 B-35 & 36, Sector-1, Noida - 201 301 (U.P.)

GAIL (INDIA) LIMITED
Project : - Mumbai - Nagpur Pipeline Project
Diversion Proposal in Shahapur Forest Division, Thane District
List of Forest Land

Sr. No.	Patch	Ref. No.	Forest Land Description	Length in Forest (m)	Width (m)	Area in (Sqmt)	Area in (Ha)	Village	Tehsil	District
12	6	R11	Forest Land in Plot No. 619/1	113.42	10.00	1134.20	0.1134	Shirol	Sahapur	Thane
13	7	R11	Forest Land in Plot No. 619/1	497.90	10.00	4978.96	0.4979	Shirol	Sahapur	Thane
14		R12	Forest Land in Plot No. 619/2	52.95	10.00	529.52	0.0530	Shirol	Sahapur	Thane
15	8	R13	Forest Land in Plot No. 618/6	161.74	10.00	1617.36	0.1617	Shirol	Sahapur	Thane
16	9	R13	Forest Land in Plot No. 618/6	46.82	10.00	468.16	0.0468	Shirol	Sahapur	Thane
			Total Forest Area Shahapur Forest Division				2.2472			

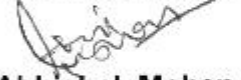


अभिषेक मोहन / Abhishek Mohan
 वरिष्ठ प्रबंधक (सर्वे एवं भू-अभिलेख) / Sr. Manager (S & LR)
 गैल (इंडिया) लिमिटेड / GAIL (India) Limited
 8 वां तल, गैल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
 ब्लॉक-35 एवं 36, सेक्टर-1, नोएडा-201 301 (उ.प्र.)
 B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

STATEMENTS SHOWING
THE DETAILS OF THE NON-FOREST AREA INVOLVED

Village	Tehsil	District	Forest Land (ha.)	Non-Forest Land (ha.)	Total
Hal	Shahapur	Thane	0.3685	0	0.3685
Ambarje	Shahapur	Thane	0.2513	0.3694	0.6207
Khutadi	Shahapur	Thane	0.3315	0.7566	1.0881
Saralambe	Shahapur	Thane	0	1.5275	1.5275
Birwadi	Shahapur	Thane	0.4231	0.1321	0.5552
Shirol	Shahapur	Thane	0.8728	1.6779	2.5507
Total			2.2472	4.4635	6.7107

For Gail (India) Limited



Abhishek Mohan

Sr. Manager (PE-S&LR)

अभिषेक मोहन / Abhishek Mohan
वरिष्ठ प्रबंधक (सर्वे एवं भू-अभिलेख) / Sr. Manager (S & LR)
गेल (इंडिया) लिमिटेड / GAIL (India) Limited
8 वां तल, गेल जुबली टॉवर / 8th Floor, GAIL Jubilee Tower
प्लॉट-35 एवं 36, सेक्टर-1, नोएडा-201 301 (उ.प्र.)
B - 35 & 36, Sector-1, Noida - 201 301 (U.P.)

Certificate: 23

List of Identified forest from the deputy Conservator of Forest.

To be filled by Forest Department

Certificate: 24

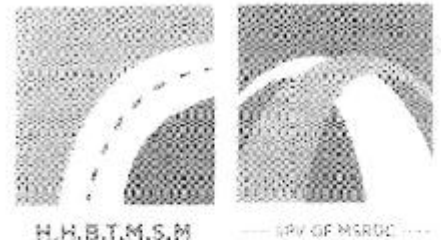
**List of tree species wise/ girth wise, with local and scientific name to be given.
If filling of tree is essential? The estimate of tree filling to be enclosed. As per
GOI latter no. 7-1/89/(For)Part -viii/2012-BHO/848, date. 18/5/2012.**

(Trees enumeration, if any, will be conducted at a later stage)

NAGPUR MUMBAI SUPER COMMUNICATION EXPRESSWAY LTD

No. MSRDC/02/LS/NMSCEW/RFP/UTI CORR/II

Date: 30.12.2020



H.H.B.T.M.S.M.

SPV OF MSRDC

Provisional Letter of Allotment

To

Shri K. B. Singh
Executive Director (Projects)


Subject: Provisional Letter of Allotment for the Utility Corridor of Nagpur Mumbai Super Communication Expressway towards GAIL (India) Ltd. for the execution of the Mumbai-Nagpur-Jharsuguda (MNJPL) Natural Gas Pipeline Project.

Dear Sir,

It is hereby notified that the right side alignment (from Nagpur to Mumbai) of the Nagpur Mumbai Super Communication Expressway utility corridor is provisionally being allotted to GAIL (India) Ltd. for laying of the Natural Gas pipeline as part of the MNJPL project, with immediate effect. This allotment is being granted on the following conditions:

1. The total Right of Way (ROW) charges levied for the utility corridor is INR 435 Cr (excluding taxes). Towards this, M/s GAIL (India) Ltd. shall make payments in favour of Nagpur Mumbai Super Communication Expressway Limited, in two tranches i.e. INR 348 Cr on or before 15-Jan-2021 and will make the balance payment of INR 87 Cr upon execution of the ROW Agreement.
2. The allotted land has a width of 3 metres and would be on right side alignment (Nagpur to Mumbai direction) along the Nagpur Mumbai Super Communication Expressway route. The land does not have any provision for SV and P stations.
3. Land will be used only for the purpose for which it is allotted (laying of the Mumbai-Nagpur-Jharsuguda Pipeline Project pipeline) and the construction should start within one year from the date of issuance of the provisional allotment letter.
4. The land ownership will remain with NMSCEWL and conditions laid out in the ROW Agreement between both parties shall be final and binding.
5. The ROW shall not be used or commercialized by M/s Gail (India) Ltd. for any other purpose than for which it has been allocated.

Thanking you,


(Radheshyam Mopalwar)
Managing Director

Certificates by Chief Conservator of
Forest and their Authenticated
Documents

Net Present value Certificate must be counter signed by Chief Conservator of Forest/ with eco-class/category to be shown in the certificate of Forest as per the GOI letter F.No.5-3/2007/-FC. Dt. 05/02/2009 to be enclosed

Certified that 2.2472 Ha. of forest land used in "Mumbai-Nagpur Pipeline Project (Re- diversion) : laying 24" Dia Pipeline from Mumbai-Nagpur Along Reserved/Revenue forest, Thane district of State Maharashtra" range falls incircle and as the density ofit is also certified that the amount of Net Present Value of forest land calculated and collected for Rs. (in words and figures)is exactly as per the rates and calculations provided in the government resolution no. FLD-1002/CR-199/F-10 dated 19-Dec-2003 of Government of Maharashtra (Enclosed attested copy of challan)

Certificate by Project Agency and their
Authenticated documents

Chronological of Events

Subject:- Application for obtaining permission for laying 24" Dia Pipeline from Mumbai-Nagpur Along Reserved/Revenue forest in Thane District falling under the Jurisdiction of Shahapur Division		
(Chronology of Events)		
Information of the movement of the proposal from one office to other with dates.		
Sr. No.	Particulars	Date
1	Date of Submission of the proposal by the proponent, Deputy Conservator of Forests, Shahapur	
2	Date on which the proposal is returned to the project authority for compliance of certain queries, if any, raised by the office of Dy. C.F.	
3	Date on which the proposal is resubmitted by the project authority to the office of Dy. C.F.	
4	Date of submission of the proposal to the Chief Conservator of Forests.	
5	Date of Submission of the proposal to the Chief Conservator of Forests/ Nodal officer, Maharashtra State, by the Chief Conservator of Forests.	

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
 उप-महाप्रबंधक निर्माण / DGM Construction
 मेल (इंडिया) लिमिटेड / GAIL (India) Ltd
 नागपुर महाराष्ट्र / Nagpur Maharashtra

Certificate: 27

Attempts made to find out Non forest land for the proposal reasons for its rejection of the same and minimum demand of forest area.

Total of three alternatives for the route are available, the length statement of the routes are as follows:

Alternate	Forest Area (Ha.)	Remark
1	19.1122	Out of 16.8650 Ha. of forest Land is being applied as a Re-Diversion Proposal. As, this forest Land is already diverted.
2	32.4373	This alternate route covers entirely fresh forest land
3	40.6180	This alternate route covers entirely fresh forest land

Alternate 1 covers the least quantity of forest area and as such, has been selected over the other options. Map showing alternate routes with different colors attached.

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharvandi
उप-महाराष्ट्र निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 28

Unqualified commitment from the project authority to bear cost of exploitation of felling of tree and their allied works under project.

It is to certify that GAIL (India) Limited will bear the cost of felling of tree and their allied works under project.


For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 29

**Certificate by the Project Authority for the cost of Compensatory Afforestation.
(Certificate No.6)**

GAIL (India) Limited agrees to bear the cost of compensatory afforestation over the double degraded forest land.

For GAIL (India) Limited
निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 30

Certificate by the Project Authority that no violation done of the FCA-1980 and their guideline

No pipeline laying work has been done by the user agency for pipeline from Mumbai-Nagpur for Mumbai-Nagpur Pipeline. Hence, no Violation in FCA.

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandiakar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 31

Certificate by the Project Authority to furnished the Net present Value as per the ordered by the Government of India

It is to certify that GAIL (India) Limited, have applied for Diversion of 2.2472 Ha. out of which the forest area covered in Thane District is 2.2472 Ha. of the total for the purpose of setting up Mumbai-Nagpur Pipeline. I/We, hereby undertake to pay the net present value (NPV) of the above forest land.

For GAIL (India) Limited,

निखिल बी. खरवंडीकर / Nikhil B. Kharwandiakar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 32

Certificate by the project authority (Providing i.e. water supply facilities to)

It is to certify that GAIL (India) Limited, agrees to provide water supply from the storage as per the requirement of the forest department for Compensatory Afforestation done against this project at prevailing rate at the time of water supply, as determined by the forest department.


For GAIL (India) Limited

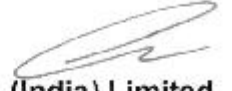
निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 33

Certificate by the Project Authority to get Environmental clearance as per the Environmental Act. 2006 (whenever necessary)

M/s GAIL (India) Limited undertakes to complete all Coastal regulatory zone (CRZ) and Environment Clearances (EC) required, if any, before execution of pipeline from Mumbai Nagpur as per statutory requirements.


For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate of Non Indemnity to forest Department (by Project Authority)

TO WHOMSOEVER IT MAY CONCERN

GAIL (India) Limited hereby undertake to indemnity the forest department, Government of Maharashtra in the matter Forest Rights Act 2006. Mumbai-Nagpur Pipeline Project (Diversion) laying 24" Dia. Pipeline along with OFC from Mumbai-Nagpur Along Reserved/Revenue forest falling under the Jurisdiction of Shahapur Forest Division which stands acquired for the said project, the liability of damages to it shall be completely with GAIL (India) Limited.


For GAIL (India) Limited

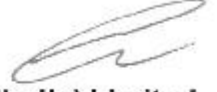
निखिल बी. खारवंडीकर / Nikhil B. Kharwandikar
उप-महानिर्देशक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 35

Certificate or NOC from the private owner if the area under private forest act (acquisition) Act.1975 to be enclosed. (By villagers)

Not Applicable


For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-समन्वयक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 36

**Certificate by the Project Authority to take up catchments area treatment plan
as per the guideline Government of India**

Not Applicable

Certificate: 37

Catchments area treatment plan

Not Applicable

Certificate: 38

Command Area Development

Not Applicable

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharvandiakar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place: -

Certificate: 39

Certificate by the Project Authority whether stipulation is made that 5% of area under command of the project is made available to the Forest Department for Planting trees and other vegetation for which necessary irrigation should be provided free cost by the project by the authority/user agency. If the forest area involved is less than 2.00 ha and there is no felling to tree growth. It is to be dealt with as per simplified procedure.

GAIL (India) Limited hereby undertake to stipulate all the procedure recommended as per forest department.

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Certificate: 40

Project note by the project authority with salient features

a) Total catchment area	Not Applicable
b) Total command Area	Not Applicable
c) Full reservoir level	Not Applicable
d) High flood level	Not Applicable
e) Minimum drawl levels	Not Applicable
f) Total catchment area of the dam (in Ha) and its break up forest land, cultivated Land, Pasture, Human cultivation and others.	Not Applicable
g) Details as per item (f) above the area coming under submergence.	Not Applicable
h) Total No. of families and population affected, scheduled caste and scheduled. Tribe families to be displaced should be separately indicated.	Not Applicable
i) Proposal for the rehabilitation of affected persons (Rehabilitation Plan)	Not Applicable

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Certificate: 41

It has been observed that water hardly stands the ear around even up to FRL. Trees can definitely stand in water for one to three months and therefore Submergence should be calculated 2 M below FRI. For this following

I. Area of submergence at H.F.L. (High flood level)	Not Applicable
II. Area of submergence at F.R.L. (Full Reservoir level)	Not Applicable
III. Area of submergence at 2 Meter below F.R.L	Not Applicable
IV. Area of submergence at 4 Meter below F.R.L	Not Applicable

Certificate: 42

List of trees 2 meter & 4 meter below F.R.L. in submergence area species wise

Not Applicable

Certificate: 43

Administrative/Technical approval from the competent authority to be enclosed

Not Applicable

Certificate: 44

Certificate/undertaking by the project authority regarding the wind power project as per the GOI latter dated 14/05/2004 to be enclosed.

Not Applicable

निखिल बी. उन्नीकर / Nikhil B. Annandikar
उप-प्रशासक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

For GAIL (India) Limited

Place:-

Certificate by Other Department

Certificate: 45

In case of proposal related to stone quarries. The recommendation of the Director, Geological and Mines is required

Not Applicable

Certificate: 46

If any Protected/Archaeological/Heritage site and other Important Monument is located in the area. The Certificate by Archaeological Department to be in enclosed

Not Applicable

For GAIL (India) Limited

निखिल बी. खारवंडीकर / Nikhil B. Kharwandikar
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place:-

Certificate: 47

Certificate about the distance of the Project from Protected area by the Dy.CF Wildlife Department. Whether the Project area within 10.00 Km should be clearly and /marked

To be filled by forest department

Certificate: 48

No objection Certificate of M.D, F.D.C.M for involvement of their area

Not Applicable

Managing Director,


**(Forest Department Corporation of Maharashtra)
Shahapur**

Place:-

Certificate: 49

Relevant Notification 7/12 Extract/restoration order/Rights of record etc. of the proposed forest land to be enclosed

This is to certify that GAIL (India) Limited had 7/12 Extract/restoration order/Rights of record etc. have been enclosed along with the proposal.


For GAIL (India) Limited

निखिल बी. खानवंडीकर / Nikhil B. Khanwandikar
उप-प्रमुख निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Place:-

Certificate by Collector

Certificate from the Collector that no alternative suitable non-forest land is Available for the project. (In A From itself)

This is to certify that Mumbai-Nagpur Pipeline Project (Diversion):laying 24" Dia Pipeline along with OFC from Mumbai-Nagpur Along Reserved/Revenue forest is in order to directly reduce the environmental and economical impact of overland transport of fuel along with generating employment opportunity to the local public and providing them with clean and eco-friendly fuel. This is to be in accordance with specific site requirement and after detailed study and exploring various alternate options, the project is confirmed as it feasible from every aspect with the least diversion of forest has been proposed. In the view of above reason, the proposed diversion of **2.2472 Ha.** forest land for non-forest usage is required.

**District Collector & District Magistrate,
Thane**

Place:-

FORM-1

Government of Maharashtra Office of
the District Collector, Thane

No.

Date:

TO WHOMSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter no. 11-9/98-FC (pt.) dated 3rd August 2009 wherein the MoEF issued guideline on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes read with MoEF's letter dated 5th February 2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that **2.2472** Hectares of forest land proposed to be diverted in favour of **GAIL (India) Limited** for the proposed 24" Dia. Natural Gas Pipeline along with OFC from Mumbai to Nagpur, for which forest area of proposed land is to be diverted for non-forest usage. Forest land falls under Thane District of Maharashtra.

It is further certified that:

- (a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire **2.2472** hectares of forest area proposed for diversion. A Copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee area enclosed as annexure to annexure..... Not Applicable
- (b) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the gram sabhas have given their consent to it; Not Applicable
- (c) The proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural Communities Not Applicable

(.....)

District Collector

District: Thane

Certificate: 51

Certificate from the Collector under the FRA-2006 with Resolution of the Gram Sabha/Gram Panchayat as per GOI latter dated 3/8/2009 to be enclosed

Application is submitted for FRA and is under process

**District Collector & District Magistrate,
Thane**

Place:-



L1622701004131

महेशम २२५

गेल जुबली टॉवर,
बी - ३५ एवं ३६, सेक्टर - १, नोएडा - २०१३०१
जिला गौतम बुद्ध नगर (यूपी), इंडिया

GAIL JUBILEE TOWER,
B-35 & 36, SECTOR-1, NOIDA - 201301
DISTT GAUTAM BUDDH NAGAR (UP), INDIA

फोन/PHONE : +91-120-2445400 4862400
फैक्स/FAX : +91-011-26185941

गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम - महाराष्ट्र कंपनी)

GAIL (India) Limited

(A Government of India Undertaking - A Maharashtra Company)

GAIL/MNPL/FRA/Thane/01

Date: 26/04/2024

To,
The District Collector,
Thane, Court Naka, Thane (West),
Maharashtra 400601

Subject: Application for obtaining FRA certificate for laying 24" Dia pipeline from Mumbai-Nagpur Along Reserved/Revenue forest in Thane District falling under your jurisdiction.

Dear Sir,

GAIL (India) Ltd. is making clean natural gas conveniently available to multiple customer streams. As a consequence of rapid rate of industrialization in India, fuel needs are increasing at an equally rapid rate and the supply - demand gap is widening and steps must be taken to address the issue. GAIL (India) Ltd. has planned to establish Pipeline from Mumbai to Nagpur. As a part of the project, clean natural gas will be made available to various domestic, commercial and industrial customers across the districts,

The Forest area for the project in Thane District in Thane forest Division is 0.9448 Ha. in Shahapur Forest Division is 8.5149 Ha. this area falls under the rediversion proposal and under the diversion proposal applied for fresh forest area in Thane District in Shahapur Forest Division is 2.2472 Ha. (List enclosed) are under Reserved/Revenue Forest Clearance from Govt. of Maharashtra and MoEF. As per the specific requirement of The Asst. Inspector, General of Forest, Tribal Certificate as per enclosed format is required to be submitted.

In view of this, your good office is requested to provide the necessary certificate as per details provided. As this is a time bound project of national importance, your early action in this regard will be highly appreciated.

Yours sincerely,

For GAIL (India) Limited

Abhishek Mohan

Sr. Manager (PE-S&LR)

अभिषेक मोहन / Abhishek Mohan
Sr. Manager (S & LR)
गेल भवन, गेल (इंडिया) लिमिटेड
नई दिल्ली का सऊद ३६, सेक्टर-१, नोएडा-२०१३०१ (उ.प्र.)
REGD. OFFICE: 35 & 36, Sector-1, Noida - 201301 (U.P.)
GAIL BHAWAN, 35 & 36, SECTOR-1, NOIDA-201301 (U.P.)
NEW DELHI-110066, INDIA

26/04/2024

आवक लिपि

जिल्हाधिकारी कार्यालय ठाणे

कुळवधिवार शाखा

सीआरएन/CIN
L40200DL1984G01018976
Website: www.gailonline.com

Certificate: 52

Certificate of Compensatory Afforestation land made available by Collector.

We hereby undertake to provide suitable non-forest land for Compensatory Afforestation, if required in due course of time.


For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Kharwandikar
उप-महानिर्माक निगम / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Countersign:

**District Collector & District Magistrate,
Thane**

Place:-

Certificate: 53

**Certificate of non availability of non forest Area for Compensatory Afforestation
by the Collector/Commissioner**

To be complied by the Collector office

**District Collector & District Magistrate,
Thane**

Place:-

Certificate: 54

The agency has not given alternative land to the forest Department. If non forest land for C.A. scheme is not available in the entire state the certificate from the Chief Secretary of the state to be enclosed. Vide GOI latter dt.13/02/2012

Total of three alternatives for the route were examined for the project, the comparison of the routes are enclosed in Enclosure-2E(i)

Alternate	Length (Km)	Forest Area (Ha.)	Remark
1	698.208	19.1122	Out of the total forest land 16.8650 Ha of land shall be re-diversion and fresh forest land for the proposal shall be requested for 2.2472 Ha.
2	673.901	32.4373	Entire forest land in this alternate route shall be fresh forest land.
3	676.961	40.6180	Entire forest land in this alternate route shall be fresh forest land.

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Khanwandikar
उप-महानियोजक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Countersign:

**District Collector & District Magistrate,
Thane**

Place:-

Certificate: 55

As the Project. Area is within the 10.00 Km from the boundary of PA area therefore. The information regarding 16 points check list provided by Principle Chief Conservator of Forest (W.I.) Nagpur which is enclosed herewith to be furnished

Checklist enclosed

निदेश बी. खान्देशीकर / Nikhil B. Kharwandikar
उप-प्रमुख निर्माण / DGM Construction
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra
For GAIL (India) Limited

Countersign:

District Collector & District Magistrate,
Thane

Place:-

Certificate: 56

All the Certificate and documents must have name of signatory, designation. Station & date under the signature as per the GOM latter vide. Dt. 01 December 2010

This is hereby certified that All the Certificate and documents bear name of signatory, designation. Station & date under the signature as per the GOM latter vide. Dt. 01 December 2010

Company:	GAIL (India) Limited
Name & Authorized Signatory:	
Designation:	
Address:	

For GAIL (India) Limited

निखिल बी. खरवंडीकर / Nikhil B. Khanwadekar
उप-महानिर्देशक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Countersign:

**District Collector & District Magistrate,
Thane**

Place:-

Certificate: 57

Resolution of the Gram Sabha may not be required in cases of projects like transmission line, roads, and canals. Laying of the pipeline/optical fibres where linear division of forest land in several villages are involved. Unless recognized rights of PTG/ PAC are being affected as per Government of India F.No. 11-9/98-FC(pt.) dated 05/02/2013

To be complied by the Collector office


For GAIL (India) Limited

निखिल गी. चव्हाण / Nikhil G. Chaudhary
उप-महाप्रबंधक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नागपुर महाराष्ट्र / Nagpur Maharashtra

Countersign:

District Collector & District Magistrate,
Thane

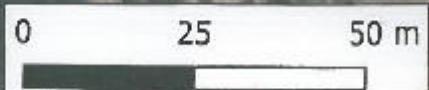
Place:-

GEO Digital Map- Shahapur_D_R13

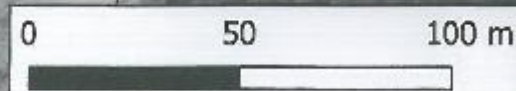


निखिल बी. खारवंडीकर / Nikhil B. Kharwandikar
उप-प्रशासक निर्माण / DGM Construction
गेल (इंडिया) लिमिटेड / GAIL (India) Ltd
नारायण महाराष्ट्र / Nagpur Maharashtra

Name	vertex_ind	Easting	Northing	Longitude	Latitude
R13-SNO-618/6	1	335516.937	2169926.108	73° 25' 53.39" E	19° 37' 04.79" N
R13-SNO-618/6	2	335493.858	2169918.273	73° 25' 52.67" E	19° 37' 04.79" N
R13-SNO-618/6	3	335496.147	2169925.548	73° 25' 52.67" E	19° 37' 04.79" N
R13-SNO-618/6	4	335496.952	2169929.884	73° 25' 52.67" E	19° 37' 04.79" N
R13-SNO-618/6	5	335514.309	2169935.776	73° 25' 53.39" E	19° 37' 04.79" N
R13-SNO-618/6	6	335629.892	2159959.647	73° 25' 57.35" E	19° 37' 04.79" N
R13-SNO-618/6	7	335652.498	2159960.686	73° 25' 58.08" E	19° 37' 04.79" N
R13-SNO-618/6	8	335655.026	2159950.792	73° 25' 58.08" E	19° 37' 04.79" N
R13-SNO-618/6	9	335631.14	2159949.693	73° 25' 57.35" E	19° 37' 04.79" N
R13-SNO-618/6	10	335738.026	2159954.27	73° 26' 00.95" E	19° 37' 04.79" N
R13-SNO-618/6	11	335732.895	2159945.182	73° 26' 00.59" E	19° 37' 04.79" N
R13-SNO-618/6	12	335699.267	2169952.826	73° 25' 59.51" E	19° 37' 04.79" N
R13-SNO-618/6	13	335688.819	2169952.346	73° 25' 59.15" E	19° 37' 04.79" N
R13-SNO-618/6	14	335690.316	2169962.425	73° 25' 59.15" E	19° 37' 04.79" N
R13-SNO-618/6	15	335700.161	2169962.878	73° 25' 59.51" E	19° 37' 04.79" N



GEO Digital Map- Shahapur_D_R1 TO R5



Name	vertex_nd	Easting	Northing	Longitude	Latitude
R1-SNO-112	1	320557.731	2138905.731	73° 17' 30.47" E	19° 20' 09.59" N
R1-SNO-112	2	320554.243	2138915.132	73° 17' 30.47" E	19° 20' 09.59" N
R1-SNO-112	3	320581.514	2138927.617	73° 17' 31.20" E	19° 20' 09.59" N
R1-SNO-112	4	320584.778	2138918.113	73° 17' 31.56" E	19° 20' 09.59" N
R2-SNO-80	1	320699.034	2138970.421	73° 17' 35.51" E	19° 20' 13.19" N
R2-SNO-80	2	320584.778	2138918.113	73° 17' 31.56" E	19° 20' 09.59" N
R2-SNO-80	3	320581.514	2138927.617	73° 17' 31.20" E	19° 20' 09.59" N
R2-SNO-80	4	320694.94	2138979.545	73° 17' 35.15" E	19° 20' 13.19" N
R2-SNO-80	5	320892.843	2139066.523	73° 17' 42.00" E	19° 20' 16.80" N
R2-SNO-80	6	320891.795	2139055.139	73° 17' 42.00" E	19° 20' 16.80" N
R3-SNO-677	1	320933.531	2139073.482	73° 17' 43.44" E	19° 20' 16.80" N
R3-SNO-677	2	320891.795	2139055.139	73° 17' 42.00" E	19° 20' 16.80" N
R3-SNO-677	3	320892.843	2139066.523	73° 17' 42.00" E	19° 20' 16.80" N
R3-SNO-677	4	320929.325	2139082.558	73° 17' 43.07" E	19° 20' 16.80" N
R3-SNO-677	5	321068.611	2139150.486	73° 17' 48.12" E	19° 20' 16.80" N
R3-SNO-677	6	321065.903	2139138.04	73° 17' 47.75" E	19° 20' 16.80" N
R4-SNO-478	1	321065.903	2139138.04	73° 17' 47.75" E	19° 20' 16.80" N
R4-SNO-478	2	321068.611	2139150.486	73° 17' 48.12" E	19° 20' 16.80" N
R4-SNO-478	3	321093.233	2139162.494	73° 17' 48.83" E	19° 20' 16.80" N
R4-SNO-478	4	321099.615	2139154.48	73° 17' 49.19" E	19° 20' 16.80" N
R5-SNO-482	1	321099.615	2139154.48	73° 17' 49.19" E	19° 20' 16.80" N
R5-SNO-482	2	321093.233	2139162.494	73° 17' 48.83" E	19° 20' 16.80" N
R5-SNO-482	3	321112.222	2139171.755	73° 17' 49.56" E	19° 20' 20.39" N
R5-SNO-482	4	321125.513	2139167.16	73° 17' 49.92" E	19° 20' 20.39" N

GEO Digital Map- Shahapur_D_R6



0 50 100 m

Name	vertex_ind	Easting	Northing	Longitude	Latitude
R6-SNO-36	1	330515.569	2155561.884	73° 23' 06.35" E	19° 29' 13.19" N
R6-SNO-36	2	330564.499	2155522.889	73° 23' 08.15" E	19° 29' 13.19" N
R6-SNO-36	3	330560.8	2155515.443	73° 23' 07.79" E	19° 29' 13.19" N
R6-SNO-36	4	330555.063	2155517.622	73° 23' 07.79" E	19° 29' 13.19" N
R6-SNO-36	5	330508.185	2155554.98	73° 23' 06.00" E	19° 29' 13.19" N
R6-SNO-36	6	330443.257	2155648.744	73° 23' 03.83" E	19° 29' 16.79" N
R6-SNO-36	7	330419.149	2155684.278	73° 23' 03.12" E	19° 29' 20.40" N
R6-SNO-36	8	330417.761	2155704.137	73° 23' 03.12" E	19° 29' 20.40" N
R6-SNO-36	9	330451.505	2155654.398	73° 23' 04.20" E	19° 29' 16.79" N

GEO Digital Map- Shahapur_D_R7 & R8 & R9

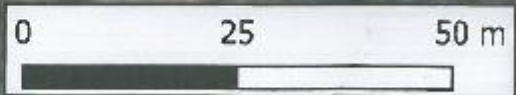


19°29'38.4"N

19°29'38.4"N

19°29'34.8"N

19°29'34.8"N



Name	vertex_ird	Easting	No'thing	Longitude	Latitude
R7-SNO-46	1	330065.67	2156220.841	73° 22' 50.87" E	19° 29' 34.79" N
R7-SNO-46	2	330031.888	2156253.12	73° 22' 49.43" E	19° 29' 38.39" N
R7-SNO-46	3	330035.711	2156256.684	73° 22' 49.79" E	19° 29' 38.39" N
R8-SNO-47	1	330027.001	2156267.104	73° 22' 49.43" E	19° 29' 38.39" N
R8-SNO-47	2	330035.711	2156256.684	73° 22' 49.79" E	19° 29' 38.39" N
R8-SNO-47	3	330031.888	2156253.12	73° 22' 49.43" E	19° 29' 38.39" N
R8-SNO-47	4	330015.828	2156268.119	73° 22' 49.08" E	19° 29' 38.39" N
R8-SNO-47	5	330020.394	2156274.651	73° 22' 49.08" E	19° 29' 38.39" N
R9-SNO-48	1	330020.394	2156274.651	73° 22' 49.08" E	19° 29' 38.39" N
R9-SNO-48	2	330015.828	2156268.119	73° 22' 49.08" E	19° 29' 38.39" N
R9-SNO-48	3	329994.753	2156288.757	73° 22' 48.35" E	19° 29' 38.39" N
R9-SNO-48	4	329975.991	2156310.189	73° 22' 47.64" E	19° 29' 38.39" N
R9-SNO-48	5	329969.604	2156320.322	73° 22' 47.28" E	19° 29' 38.39" N
R9-SNO-48	6	329954.507	2156349.91	73° 22' 46.91" E	19° 29' 42.00" N

73°22'48.0"E

73°22'51.6"E

73°22'55.2"E

73°22'48.0"E

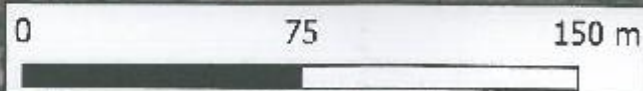
73°22'51.6"E

73°22'55.2"E

GEO Digital Map- Shahapur_D_R10



Name	vertex_ind	Easting	North ng	Longitude	Latitude
R10-SNO-88	1	329685.235	2156713.39	73° 22' 37.55" E	19° 29' 52.80" N
R10-SNO-88	2	329693.251	2156701.157	73° 22' 37.92" E	19° 29' 52.80" N
R10-SNO-88	3	329680.196	2156702.834	73° 22' 37.19" E	19° 29' 52.80" N
R10-SNO-88	4	329676.897	2156707.868	73° 22' 37.19" E	19° 29' 52.80" N
R10-SNO-88	5	329516.468	2156947.492	73° 22' 31.80" E	19° 30' 00.00" N
R10-SNO-88	6	329526.603	2156950.329	73° 22' 32.16" E	19° 30' 00.00" N
R10-SNO-88	7	329480.934	2157018.542	73° 22' 30.36" E	19° 30' 03.60" N
R10-SNO-88	8	329468.974	2157018.431	73° 22' 30.00" E	19° 30' 03.60" N
R10-SNO-88	9	329400.85	2157120.184	73° 22' 27.49" E	19° 30' 03.60" N
R10-SNO-88	10	329408.812	2157126.267	73° 22' 27.83" E	19° 30' 03.60" N

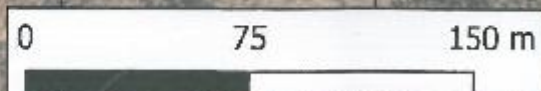


Prepared by: Mr. K. K. Kulkarni
 Checked by: Mr. D. G. Kulkarni
 Date: 10/01/2018
 Project: Shahapur Dam
 Location: Maharashtra

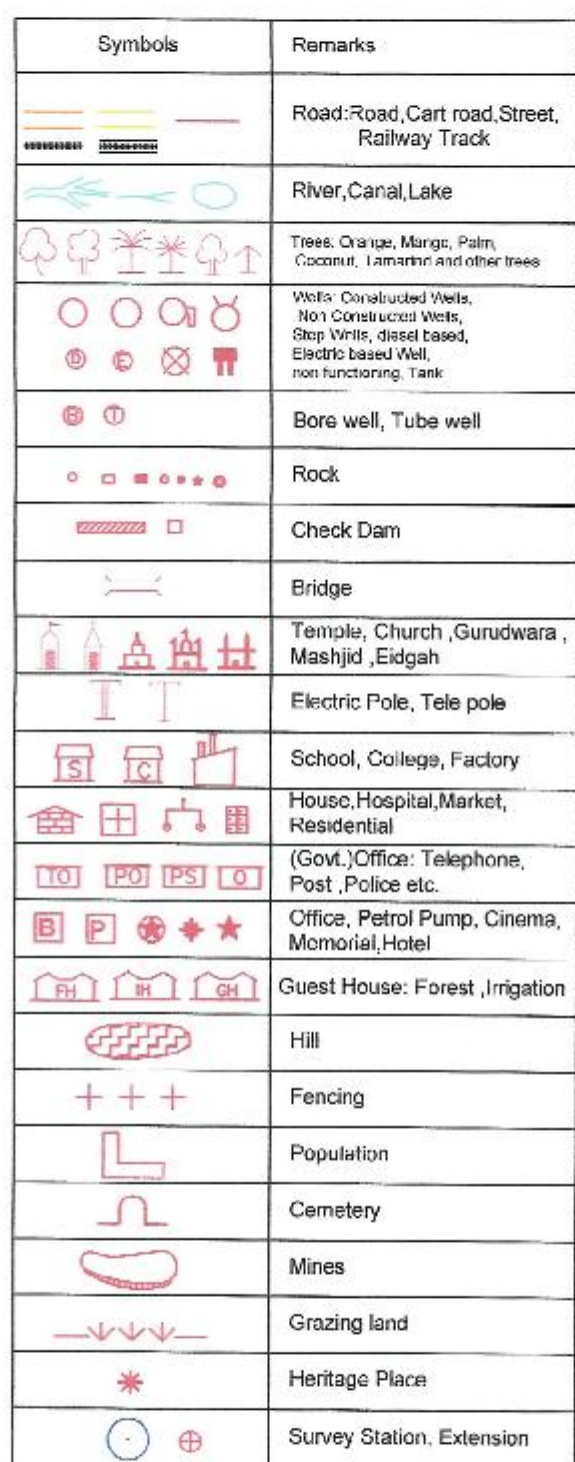
GEO Digital Map- Shahapur_D_R11 & R12



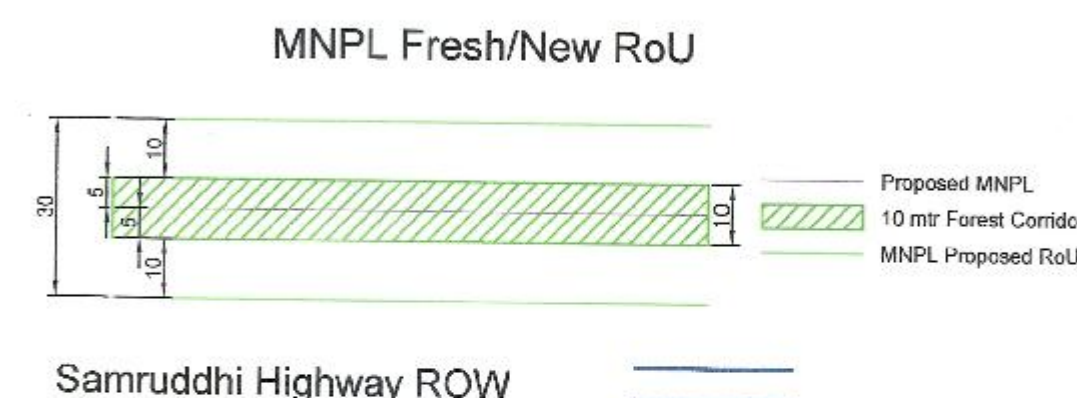
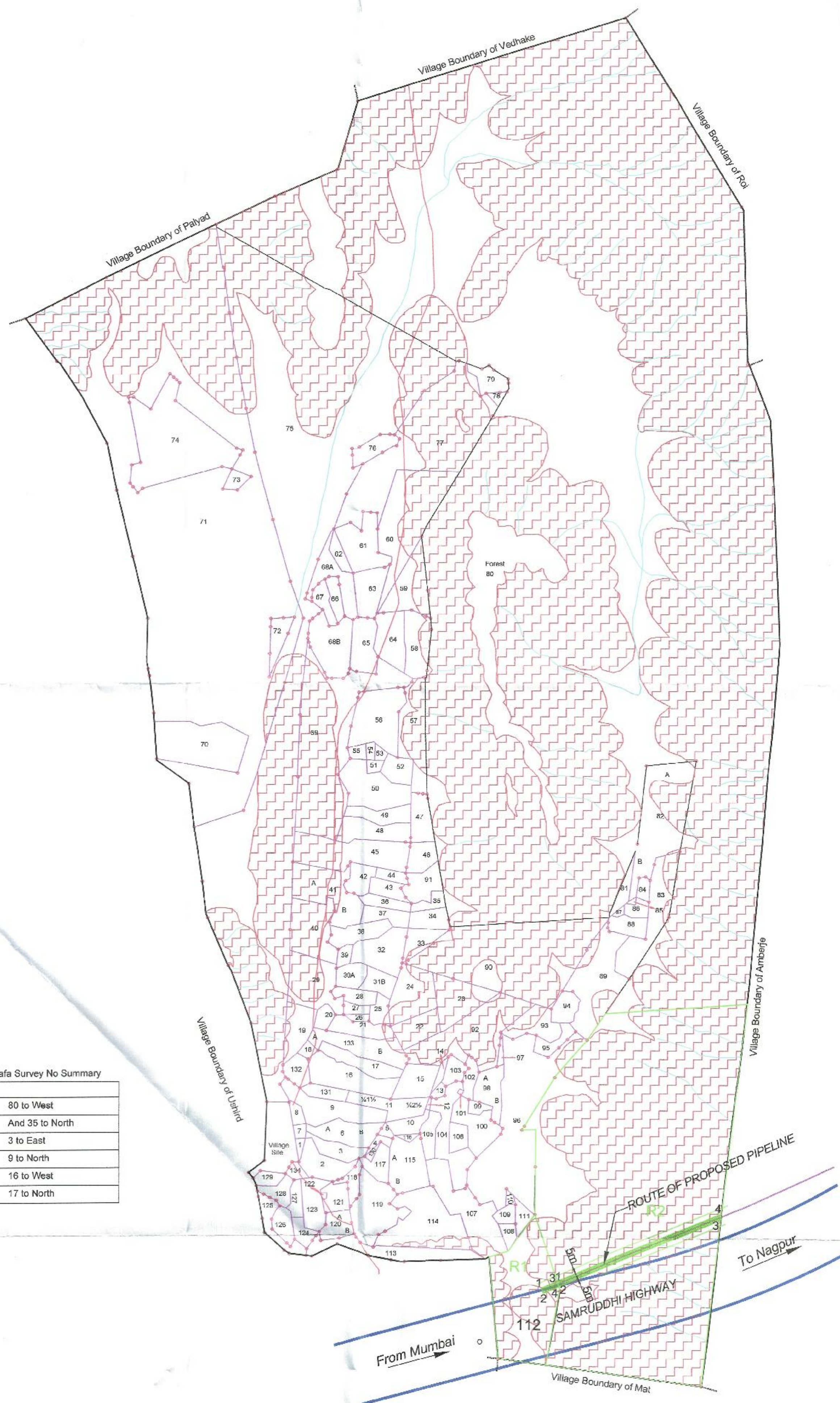
निखिल बी. खरेडीकर / Nikhil B. Kharevankar
 सप्त-महाप्रबंधक निर्माण / DGM Construction
 प्रो. (इंजिनी.) लिमिटेड / GAIL (India) Ltd
 नागपुर महाराष्ट्र / Nagpur Maharashtra



Name	vertex_ind	Easting	Northing	Longitude	Latitude
R11-SNO-619/1	1	334301.171	2169470.381	73° 25' 11.63" E	19° 36' 46.79" N
R11-SNO-619/1	2	334296.528	2169479.272	73° 25' 11.63" E	19° 36' 50.40" N
R11-SNO-619/1	3	334395.085	2169540.968	73° 25' 14.87" E	19° 36' 50.40" N
R11-SNO-619/1	4	334394.887	2169529.047	73° 25' 14.87" E	19° 36' 50.40" N
R11-SNO-619/1	5	334482.765	2169574.933	73° 25' 18.12" E	19° 36' 50.40" N
R11-SNO-619/1	6	334471.571	2169580.963	73° 25' 17.75" E	19° 36' 50.40" N
R11-SNO-619/1	7	334824.109	2169734.594	73° 25' 29.63" E	19° 36' 57.59" N
R11-SNO-619/1	8	334940.754	2169761.926	73° 25' 33.60" E	19° 36' 57.59" N
R11-SNO-619/1	9	334939.853	2169751.444	73° 25' 33.60" E	19° 36' 57.59" N
R11-SNO-619/1	10	334827.273	2169725.064	73° 25' 29.63" E	19° 36' 57.59" N
R12-SNO-619/2	1	334989.76	2169763.138	73° 25' 35.40" E	19° 36' 57.59" N
R12-SNO-619/2	2	334939.853	2169751.444	73° 25' 33.60" E	19° 36' 57.59" N
R12-SNO-619/2	3	334940.754	2169761.926	73° 25' 33.60" E	19° 36' 57.59" N
R12-SNO-619/2	4	334993.958	2169774.393	73° 25' 35.40" E	19° 36' 57.59" N

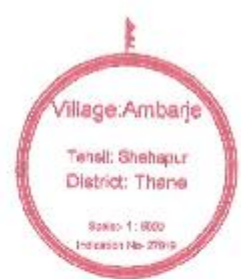


Number	
91	80 to West
	And 35 to North
130	3 to East
131	9 to North
132	16 to West
133	17 to North



MUMBAI NAGPUR SECTION OF MNJPL PROJECT									
MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)									
Reserved/Protected Forest to be Diverted District Thane(FRESH ROU MNPL)									
Sr. No.	Name of the Forest Land	Forest Type	Length in Forest (m)	Width (m)	Area of Forest Land in Sq. m	Area of Forest Land in Hectare	Name of Village	Name of Taluka	Name of District
R1	Forest Land in S.no.112	Reserved Forest	28.870	10	298.59	0.0299	Hai	Shatpur	Thane
R2	Forest Land in S.no.80	Reserved Forest	338.570	10	3385.69	0.3386	Hai	Shatpur	Thane

 <p>GAIL (India) LIMITED (A Govt. of India Undertaking) JUBILEE TOWER, S & L R DEPARTMENT, 6TH FLOOR, B-35, SECTOR-1, NOIDA 201301, G.B. NAGARPUR, INDIA <u>Mumbai - Nagpur Section</u></p>	<p>Thane / Nashik to Mumbai Section Mumbai / Delhi / Jaipur Section Jaipur / Gandhinagar / Ahmedabad Section <u>Mumbai - Nagpur Section</u></p>
PROJECT :	MUMBAI MARGPUR SECTION OF MNJPL PROJECT
SECTION :	MUMBAI - MARGPUR PROPOSED GAS PIPELINE (MNPL)
SECTION :	Details of Reserved/Protected Forest to be Diverted Village: Hal, District Thane
TITLE : Geo Reference Village Map	CODE : MNPL
 <p>TDC THEODESH CONSULTANTS <small>INCORPORATED IN INDIA & ISO 9001 CERTIFIED</small> 82-83, 3rd Floor, Suryakiran Complex, Old Padra Road Vadodara - 390 015 Phone: (0262) 2339115 / 2339452 Tele Fax No.: (02625) 2339452 Email : theodesh@tidd.in, theodesh@gmail.com</p>	 <p>ISO 9001:2015 Cert No. IS-0000000000</p>
Scale : 1 : 5,000	Drawing / Document No. TDC-GAIL_MNPL-200-Div-Forest-Thane-V.M-01
Job No. TDC/GAIL/19-20	Sheet 01 of Re



Survey No.	Detail
63	643 to 644
64	644 to 645
65	645 to 646
66	646 to 647
67	647 to 648
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99	679 to 680
100	680 to 681
101	681 to 682
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103	683 to 684
104	684 to 685
105	685 to 686
106	686 to 687
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542	1122 to 1123
543	1123 to 1124
544	1124 to 1125

Village : Khutadi
Tehsil : Shahapur
District : Thane

Scale : 1 : 5000
Indication No - 27552

Symbols	Remarks
	Road, Road, Cart road, Street, Railway Track
	River, Canal, Lake
	Trees, Orange, Mango, Palm, Coconut, "Kharad" and other trees
	Wells, Constructed Wells, Non-constructed Wells, Shallow Wells, deep Wells, not for drinking, Tank
	Bore well, Tube well
	Rock
	Check Dam
	Bridge
	Temple, Church, Gurudwara, Masjid, Eidgah
	Electric Pole, Tele pole
	School, College, Factory
	House, Hospital, Market, Residential
	(Govt.) Office, Telephone, Post, Police etc.
	Office, Petro Pump, Cinema, Memorial, Hotel
	Guest House, Forest, Irrigation
	Hill
	Fencing
	Population
	Cemetery
	Mines
	Grazing land
	Heritage Place
	Survey Station, Extension

Udafa Summary	
Survey No	
34	Inside to 20
203	North to 121
204	South to 5
205	South to 138

Sr No	Code	Easting	Northing	Longitude	Latitude
R6	1	330417.781	2155704.136	19°29'19.428"	73°23'2.978"
	2	330418.449	2155684.276	19°29'18.78"	73°23'3.012"
	3	330638.135	2155554.98	19°29'14.604"	73°23'6.108"
	4	330616.568	2155561.883	19°29'4.858"	73°23'6.35"
	5	330555.083	2155617.621	19°29'13.418"	73°23'7.728"
	6	330550.8	2155519.443	19°29'13.488"	73°23'7.944"
R7	7	330584.499	2155522.888	19°29'13.596"	73°23'8.052"
	1	330031.888	2156263.119	19°29'37.176"	73°22'49.648"
	2	330035.711	2156256.883	19°29'37.284"	73°22'49.692"
	3	330035.711	2156256.883	19°29'37.284"	73°22'49.692"
R8	4	330055.67	2156220.84	19°29'36.132"	73°22'58.736"
	1	330015.828	2156268.119	19°29'37.644"	73°22'49.008"
	2	330020.394	2156274.65	19°29'37.86"	73°22'49.152"
	3	330020.394	2156274.65	19°29'37.86"	73°22'49.152"
R9	4	330031.888	2156263.119	19°29'37.176"	73°22'48.548"
	5	330035.711	2156256.883	19°29'37.284"	73°22'48.692"
	1	329954.507	2156348.909	19°29'40.338"	73°22'48.884"
	2	329975.991	2156310.188	19°29'38.012"	73°22'47.504"

MUMBAI NAGPUR SECTION OF MNJPL PROJECT						
MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)						
Reserved/Protected Forest to be Diverted District Thane(FRESH ROU MNPL)						
Sr. No.	Name of the Forest Land	Forest Type	Length in Forest (m)	Width (m)	Area of Forest Land in Sq. m	Area of Forest Land in Hectare
R6	Forest Land in S.no.39	Reserved Forest	226.723	10	2267.20	0.2267
R7	Forest Land in S.no.45	Pending enquiry private forest	12.19	10	121.90	0.0122
R8	Forest Land in S.no.47	Pending enquiry private forest	14.98	10	149.89	0.0150
R9	Forest Land in S.no.48	Pending enquiry private forest	77.65	10	776.48	0.0776

GAIL (India) LIMITED
(A Govt. of India Undertaking)
JUBILEE TOWER, 8 & 9, DEPARTMENT OF PETROLEUM, NEW DELHI-110003
B-35, 36 SECTOR-1, NOIDA-201301 (U.P.)

THEODESH CONSULTANTS
82-83, 3rd Floor, Suryakiran Complex, Old Padra Road Vadoriara - 350 015
Phone: (0285) 2338115 / 2335482 Tele Fax No.: (0285) 2335482
Email: theodesh@rediffmail.com

PROJECT: **MUMBAI NAGPUR SECTION OF MNJPL PROJECT**
SECTION: **MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)**
SECTION: **Details of Reserved/Protected Forest to be Diverted Village: Khutadi, District Thane**

Geo Reference Village Map
THEODESH CONSULTANTS
82-83, 3rd Floor, Suryakiran Complex, Old Padra Road Vadoriara - 350 015
Phone: (0285) 2338115 / 2335482 Tele Fax No.: (0285) 2335482
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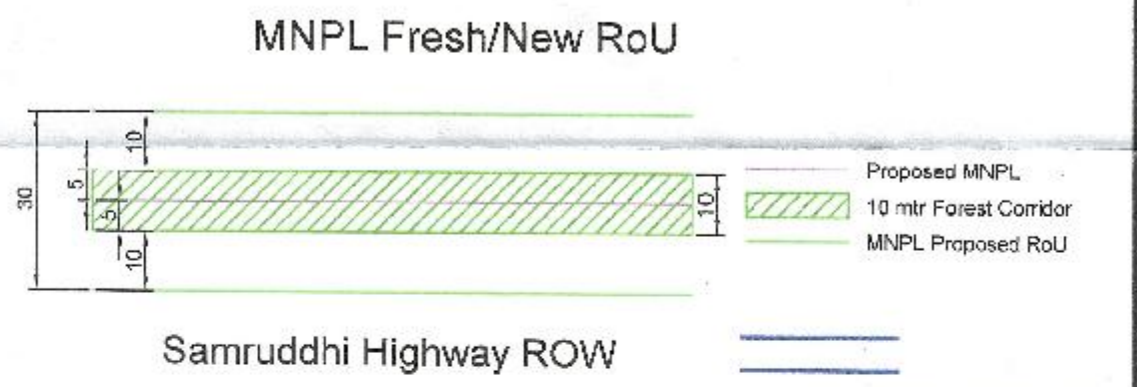
MNPL
Scale: 1:15,000
Job No: TDC/GAT/19-20
Drawing / Document No: TDC-GAT/ MNPL-20-P19-RP-Thane-VM-03
Sheet: 05-05
Rev: oA

Village: Birwadi
Tehsil: Shahapur
District: Thane

Scale: 1 : 10000
 No - 27618

Sheet-1

Symbols	Remarks
	Road, Road, Cart road, Street, Railway Track
	River, Canal, Lake
	Tree, Orange, Mango, Palm, Coconut, Banana, etc. or other trees
	Well: Covered well, No. Constructed Well, Open Well, Bore well, Bore based well, or Municipal Tank
	Bore well, Tube well
	Rock
	Check Dam
	Bridge
	Temple, Church, Gurudwara, Masjid, Eidgah
	Electric Pole, Tole pole
	School, College, Factory
	House, Hospital, Market, Residential
	Govt. Office, Telephone, Post, Police etc.
	Office, Petrol Pump, Cinema, Memorial, Hotel
	Guest House, Forest, Irrigation
	Hill
	Fencing
	Population
	Cemetery
	Mines
	Grazing land
	Heritage Place
	Survey Station, Extension



GAIL (India) LIMITED
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 JUBILEE TOWER, 8 & 9 DEPARTMENT OF PETROLEUM, 8-35, 36 SECTOR-1, NOIDA-201301, G.B. NAGAR, U.P.

PROJECT: **MUMBAI NAGPUR SECTION OF MNPL PROJECT**

SECTION: **MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)**

SECTION: **Details of Reserved/Protected Forest to be Diverted Village: Birwadi, District Thane**

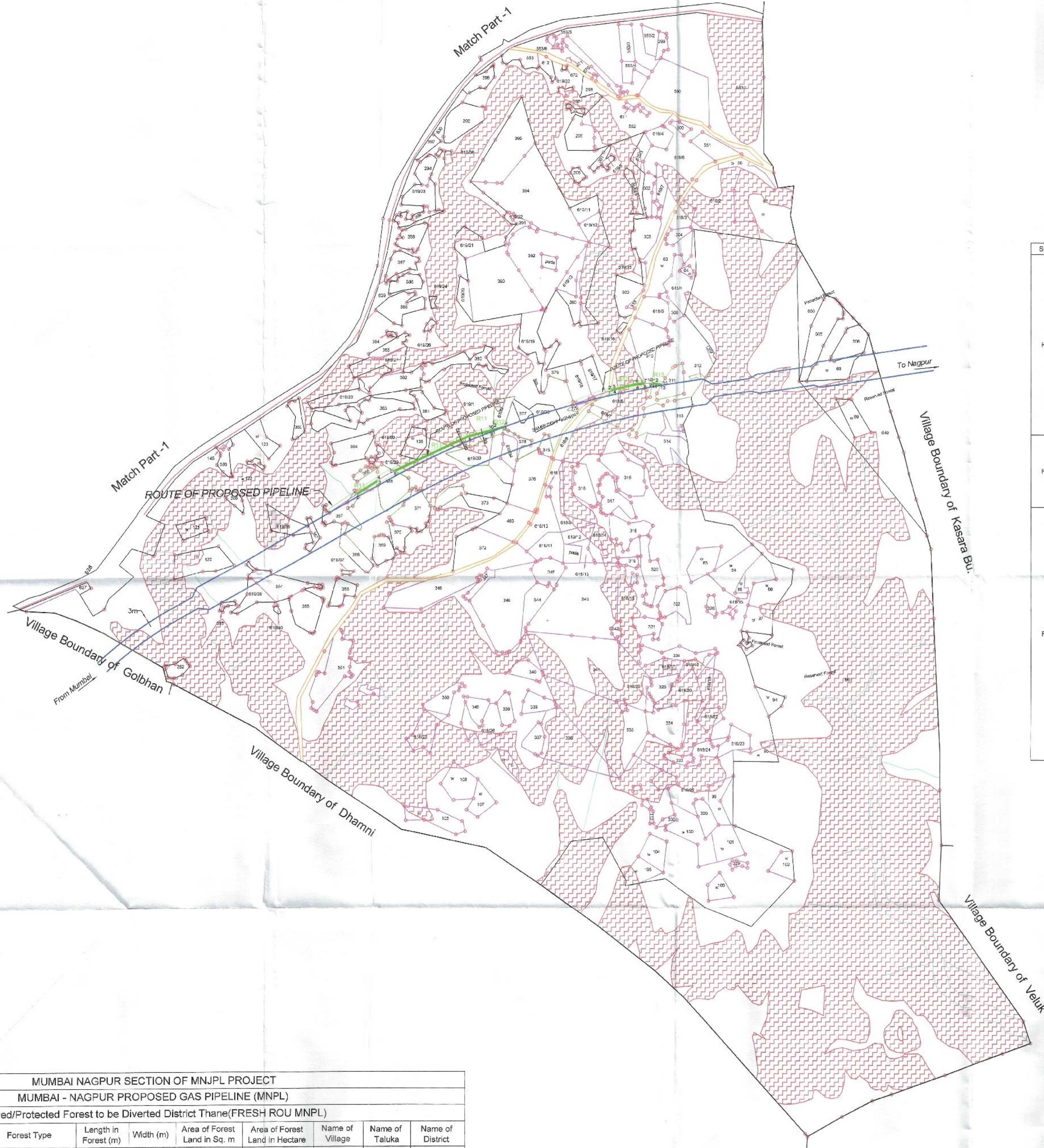
TITLE: **Geo Reference Village Map** CODE: **MNPL**

THEODESH CONSULTANTS
 82-83, 3rd Floor, Suryakant Complex, Old Padra Road Vadorada - 390 015
 Phone: (0269) 2339115 / 2339462 Tele Fax No: (0269) 2339492
 Email: theodesh@tcsol.in, theodesh@gmail.com

Scale: 1:10,000 Job No. TDC/GAIL/19-20 Drawing / Document No. TDC-GAIL-MNPL-20-19-RJ-THANE-YM-04 Sheet 04-06 Rev. 0A

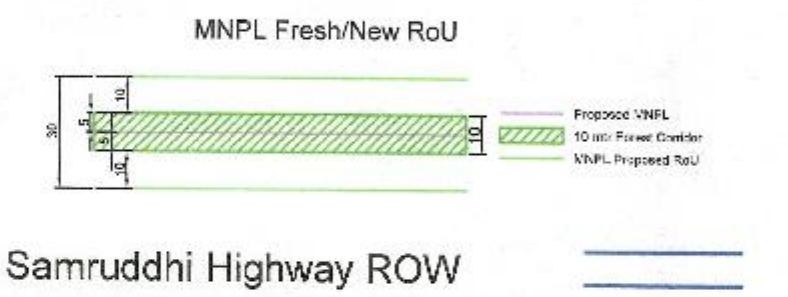
Sr No	Ccode	Forest No.	Length (m)	Width (m)	Area of Forest Land in Sq. m	Area of Forest Land in Hectare	Name of Village	Name of Taluka	Name of District
R10	2	329408.812	2157126.266	19°30'5.364"	73°22'27.912"				
	3	329468.974	2157018.43	19°30'1.908"	73°22'30"				
	4	329480.834	2157318.541	19°30'1.508"	73°22'30.396"				
	5	329516.468	2156847.491	19°29'59.604"	73°22'31.656"				
	6	329526.603	2156960.328	19°29'59.712"	73°22'32.016"				
	7	329680.196	2156702.834	19°29'51.684"	73°22'37.344"				
	8	329693.251	2156701.157	19°29'51.648"	73°22'37.812"				

MUMBAI NAGPUR SECTION OF MNPL PROJECT									
MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)									
Reserved/Protected Forest to be Diverted District Thane(FRESH ROU MNPL)									
Sr. No.	Name of the Forest Land	Forest Type	Length in Forest (m)	Width (m)	Area of Forest Land in Sq. m	Area of Forest Land in Hectare	Name of Village	Name of Taluka	Name of District
R10	Forest Land in S.no.88	Protected Forest	423.12	10	4231.22	0.4231	Birwadi	Sahapur	Thane



Sr No	Code	Easting	Northing	Longitude	Latitude
R11	1	334296.528	2166479.272	19°36'48.8"	73°25'11.604"
	2	334301.171	2169470.38	19°36'48.312"	73°25'11.784"
	3	334394.887	2166529.046	19°36'50.256"	73°25'14.988"
	4	334395.085	2166540.988	19°36'50.652"	73°25'14.988"
	5	334471.571	2166580.963	19°36'51.948"	73°25'17.58"
	6	334482.785	2166574.933	19°36'51.788"	73°25'17.976"
	7	334824.109	2166734.593	19°36'57.08"	73°25'29.64"
	8	334827.273	2166725.084	19°36'56.736"	73°25'20.748"
	9	334939.853	2166751.444	19°36'57.636"	73°25'33.8"
	10	334940.754	2166761.925	19°36'57.996"	73°25'33.636"
R12	1	334939.853	2166761.444	19°36'57.636"	73°25'33.6"
	2	334940.754	2166761.925	19°36'57.996"	73°25'33.636"
	3	334989.76	2166763.138	19°36'58.032"	73°25'35.328"
	4	334993.956	2166774.392	19°36'58.382"	73°25'35.472"
R13	1	335493.858	2166918.273	19°37'3.252"	73°25'52.572"
	2	335496.952	2166929.884	19°37'3.612"	73°25'52.66"
	3	335514.309	2166935.776	19°37'3.828"	73°25'53.256"
	4	335516.937	2166926.107	19°37'3.504"	73°25'53.364"
	5	335529.892	2166959.546	19°37'4.62"	73°25'57.216"
	6	335631.14	2166949.683	19°37'4.296"	73°25'57.288"
	7	335652.498	2166960.686	19°37'4.656"	73°25'58.008"
	8	335655.026	2166950.791	19°37'4.332"	73°25'58.08"
	9	335688.819	2166962.345	19°37'4.404"	73°25'59.232"
	10	335690.316	2166962.425	19°37'4.728"	73°25'59.304"
	11	335699.267	2166952.826	19°37'4.404"	73°25'59.592"
	12	335700.161	2166952.877	19°37'4.764"	73°25'59.628"
	13	335732.895	2166945.181	19°37'4.188"	73°25'59.78"
	14	335738.026	2166954.27	19°37'4.478"	73°25'59.924"

Symbols	Remarks
	Road, Road, Cart road, Street, Railway Track
	River, Canal, Lake
	Trees, Orange, Mango, Pear, Coconut, Tamarind and other trees
	Well, Constructed Well, Non Constructed Well, Step Well, Open Well, Electric Bore Well, Non functioning, Tank
	Bore well, Tube well
	Rock
	Check Dam
	Bridge
	Temple, Church, Gurudwara, Masjid, Edgah
	Electric Pole, Tele pole
	School, College, Factory
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	Office, Petrol Pump, Cinema, Memorial, Hotel
	Guest House, Forest, Irrigation
	Hill
	Fencing
	Population
	Cemetery
	Mines
	Grazing land
	Heritage Place
	Survey Station, Extension



Survey No	Detail
611	North of 552
612	North of 553
613	East of 308
614	East of 678
615	East of 375
616	North of 335
617	East of
618	Near Borivane V.B.
619	East of Railway
620	North of
621	East of Railway
622	East of Railway
623	East of Railway
624	East of Railway
625	East of Railway
626	East of Railway
627	East of Railway
628	East of Railway
629	East of Railway
630	East of Railway
631	South of Railway
632	East of Railway
633	East of Railway
634	East of Railway
635	East of Railway
636	East of Railway
637	East of Railway
638	East of Railway
639	East of Railway
640	East of Railway
641	East of Railway
642	East of Railway
643	East of Railway
644	East of Railway
645	North of 298

MUMBAI NAGPUR SECTION OF MNJPL PROJECT									
MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)									
Reserved/Protected Forest to be Diverted District Thane(FRESH ROU MNPL)									
Sr. No.	Name of the Forest Land	Forest Type	Length in Forest (m)	Width (m)	Area of Forest Land in Sq. m	Area of Forest Land in Hectare	Name of Village	Name of Taluka	Name of District
R11	Forest Land in S.no.619/1	Protected Forest	305.66	10	6113.16	0.6113	Shirol	Sahapur	Thane
R12	Forest Land in S.no.619/2	Protected Forest	52.95	10	529.52	0.0530	Shirol	Sahapur	Thane
R13	Forest Land in S.no.618/6	Protected Forest	208.55	10	2085.52	0.2085	Shirol	Sahapur	Thane

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PROJECT: MUMBAI NAGPUR SECTION OF MNJPL PROJECT
SECTION: MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)
DETAILS: Details of Reserved/Protected Forest to be Diverted Village: Shirol, District Thane
TITLE: Geo Reference Village Map
CODE: MNPL

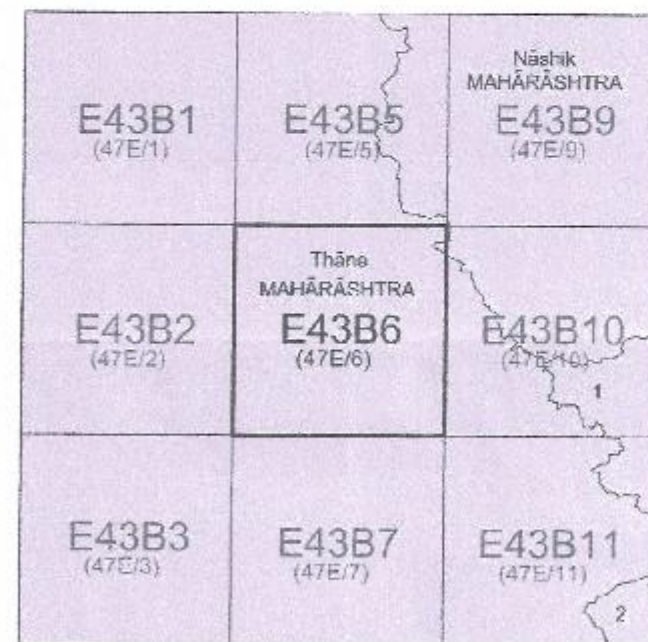
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E2-83, 3rd Floor, Suryakiran Complex, Old Pandra Road, Vardodara - 380 015
Phone: (0265) 2330115 / 2330462 Tele Fax No.: (0265) 2330462
Email: theodesh@tdc.in, theodesh@gmail.com

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Rev.: 0A



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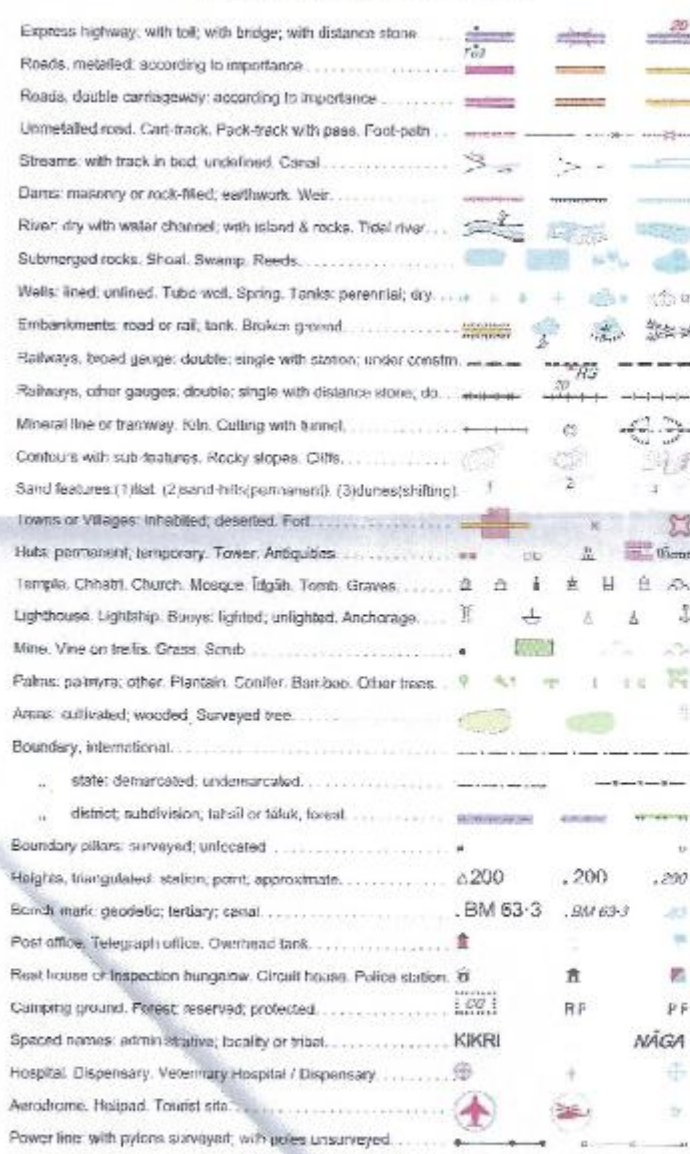


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Route of Proposed Pipeline
Samruddhi Highway ROW

REFERENCE

SP-3 National Highway No.3

NOTES

Height in meters and above mean sea level
Contours are approximate
A relative height of 100' represents the approximate height, in meters, between the top and bottom of a steep slope
All unutilized lands are available and available for use in any manner
The administrative boundaries in this sheet have been surveyed as pointed out by the local officials on the ground, but have not been verified by the Government of Maharashtra

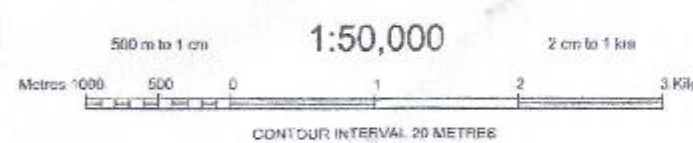
COMPILATION INDEX

A Surveyed during 1973-74. Updated for major details during 2005-06



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 2° West in 2005.
(Decreasing by about 1° annually)

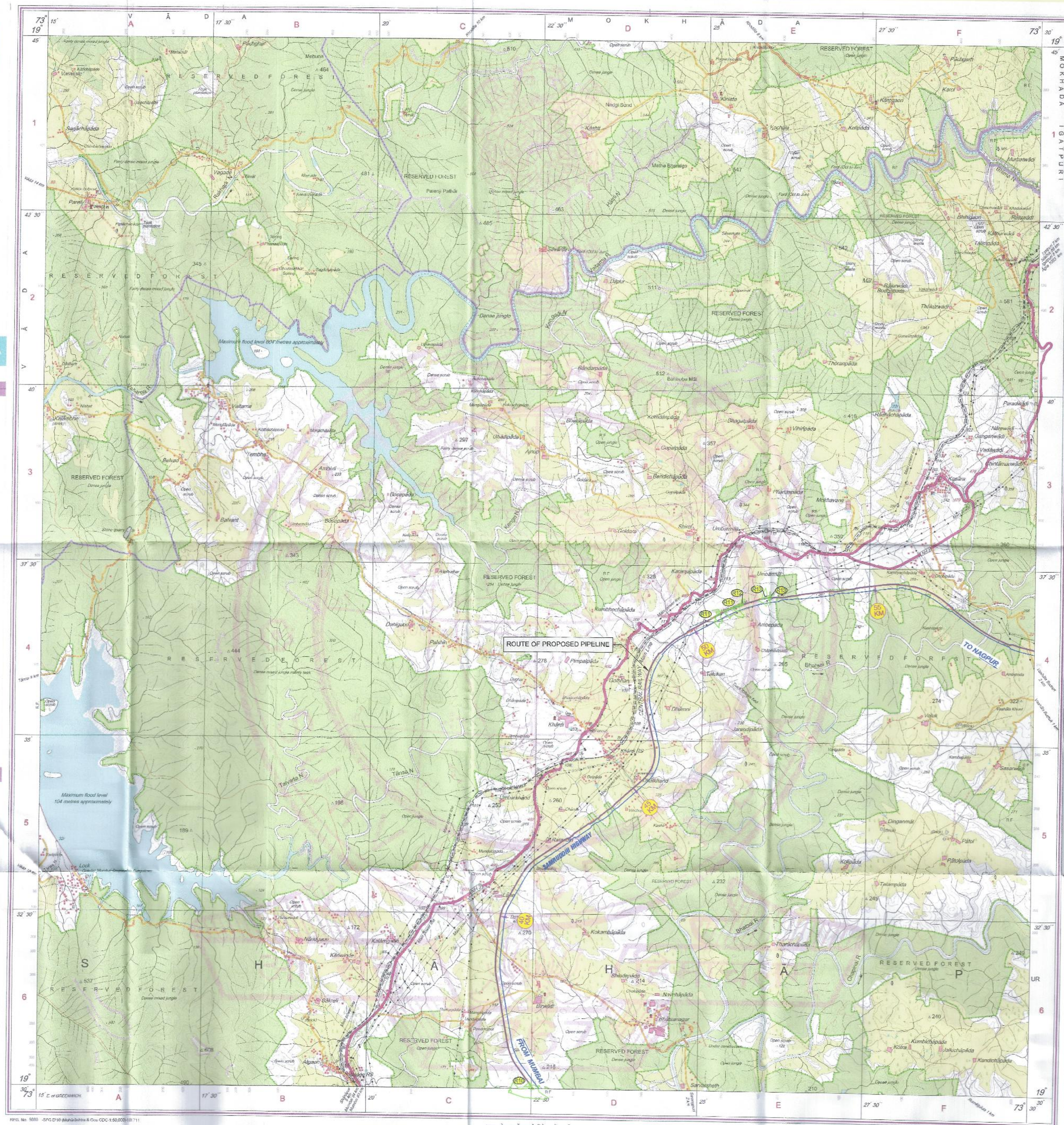


For further details about this map, please consult
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Maharashtra & Goa Geo-Spatial Data Centre
Survey of India, Thane, Maharashtra, India

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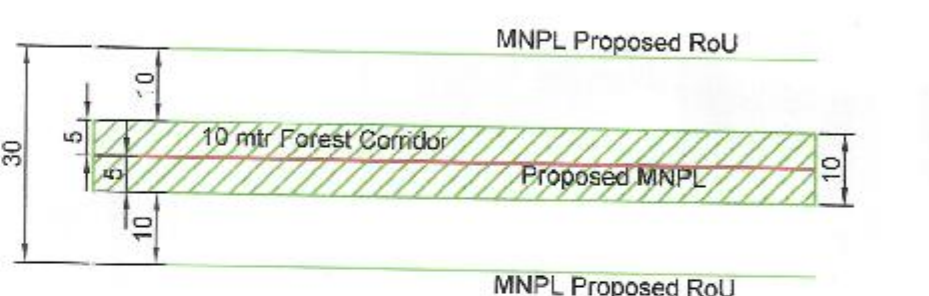
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02/02

MUMBAI-NAGPUR SECTION OF MNPL PROJECT											
MUMBAI-NAGPUR PROPOSED GAS PIPELINE (MNPL)											
Reserved/Protected Forests to be Diverted District Thane (RESERVED FOREST)											
Sr. No.	Name of the Forest Land	Forest Type	Length in Feet	Width in Feet	Area of Forest Land in Sq. Ft.	Area of Forest Land in Hectares	Area of Forest Land in Acres	Area of Forest Land in Sq. Meters	Area of Forest Land in Hectares	Area of Forest Land in Acres	Name of the Village
R10	Forest Land in R. No. 88	Reserved Forest	433.1712	10	4331.712	0.433	0.433	4331.712	0.433	0.433	Thane
R11	Forest Land in R. No. 88	Reserved Forest	611.3173	10	6113.173	0.611	0.611	6113.173	0.611	0.611	Thane
R12	Forest Land in R. No. 88	Reserved Forest	83.4519	10	834.519	0.083	0.083	834.519	0.083	0.083	Thane
R13	Forest Land in R. No. 88	Reserved Forest	209.8011	10	2098.011	0.209	0.209	2098.011	0.209	0.209	Thane

Sr No	Code	Easting	Northing	Longitude	Latitude
R10	1	329400.85	2167120.183	19°30'5.164"	73°22'27.624"
	2	329408.812	2167126.266	19°30'5.364"	73°22'27.912"
	3	329408.812	2167126.266	19°30'5.364"	73°22'27.912"
	4	329408.974	2157018.43	19°30'1.908"	73°22'23.0"
	5	329480.934	2157018.541	19°30'1.908"	73°22'30.398"
	6	329518.468	2158947.491	19°29'59.604"	73°22'31.060"
	7	329526.003	2158950.328	19°29'59.712"	73°22'32.016"
	8	329526.003	2158950.328	19°29'59.712"	73°22'32.016"
	9	329680.196	2158702.834	19°29'51.684"	73°22'37.344"
	10	329693.251	2158701.157	19°29'51.618"	73°22'37.812"
R11	1	334296.528	2168479.272	19°36'48.6"	73°25'11.604"
	2	334301.171	2168470.38	19°36'48.312"	73°25'11.784"
	3	334394.887	2168529.045	19°36'50.256"	73°25'14.988"
	4	334394.887	2168529.045	19°36'50.256"	73°25'14.988"
	5	334396.085	2168540.968	19°36'50.652"	73°25'14.988"
	6	334471.571	2168580.983	19°36'51.948"	73°25'17.58"
	7	334482.765	2168574.933	19°36'51.768"	73°25'17.678"
	8	334484.109	2168574.933	19°36'51.768"	73°25'17.678"
	9	334487.273	2168575.064	19°36'56.736"	73°25'20.748"
	10	334487.273	2168575.064	19°36'56.736"	73°25'20.748"
R12	1	334939.853	2169751.444	19°36'57.636"	73°25'33.6"
	2	334940.754	2169751.025	19°36'57.636"	73°25'33.636"
	3	334940.754	2169751.025	19°36'57.636"	73°25'33.636"
	4	334989.78	2169763.138	19°36'58.332"	73°25'36.328"
	5	334993.958	2169774.392	19°36'58.392"	73°25'36.472"
	6	335493.868	2169818.273	19°37'3.252"	73°25'52.572"
	7	335496.952	2169820.884	19°37'3.612"	73°25'52.68"
	8	335514.309	2169935.776	19°37'3.828"	73°25'53.256"
	9	335516.937	2169935.776	19°37'3.828"	73°25'53.256"
	10	335516.937	2169935.776	19°37'3.828"	73°25'53.256"
R13	1	335826.892	2169959.848	19°37'4.62"	73°25'57.216"
	2	335831.14	2169949.893	19°37'4.206"	73°25'57.288"
	3	335831.14	2169949.893	19°37'4.206"	73°25'57.288"
	4	335852.498	2169950.886	19°37'4.656"	73°25'58.008"
	5	335855.026	2169950.791	19°37'4.332"	73°25'58.08"
	6	335868.819	2169952.345	19°37'4.404"	73°25'59.232"
	7	335868.819	2169952.345	19°37'4.404"	73°25'59.232"
	8	335869.267	2169952.828	19°37'4.404"	73°25'59.232"
	9	335700.161	2169982.877	19°37'4.784"	73°25'59.628"
	10	335700.161	2169982.877	19°37'4.784"	73°25'59.628"



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PROJECT: **MUMBAI-NAGPUR SECTION OF MNPL PROJECT**

SECTION: **MUMBAI-NAGPUR PROPOSED GAS PIPELINE (MNPL)**

SECTION: **Details of Reserved/Protected Forest to be Diverted District Thane**

TITLE: **SOI MAP** CODE: **MNPL**

THEODESH CONSULTANTS
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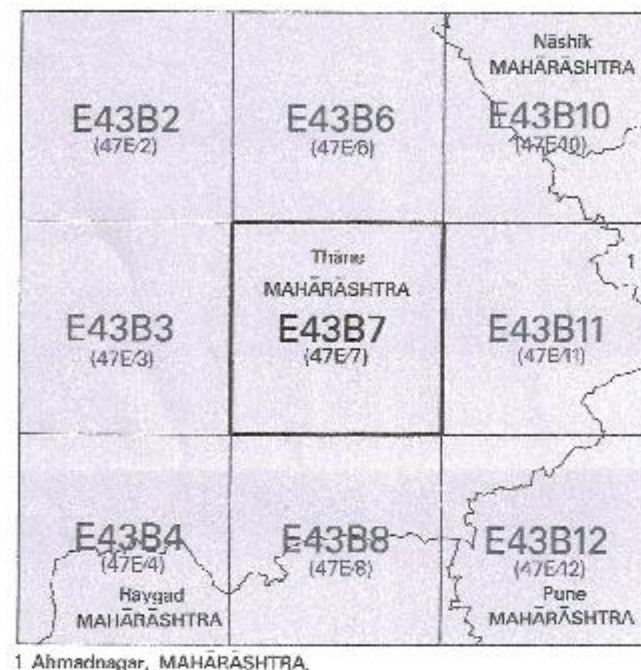


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Route of Proposed Pipeline
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REFERENCE

N-3 National Highway No. 3.

NOTES :-
A relative height, \pm , represents the approximate height, in metres, between the top and bottom of a steep slope.
The data boundaries between Kalyan, Mumbai and Bhiwandi Talukas of Thane District have been surveyed as pointed out by the local officials on the ground, but have not been verified by the District authorities.
Towns shown in this map are usually situated north from July to December.
Height & contours have not been shown.
Position of poles between turning points of power lines has not been surveyed.

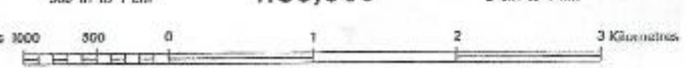
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A. Compiled from 1:25,000 survey, 1972-73.
B. Derived from 1:25,000 survey, 1972-73.
A & B updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.
According to about 1° annually.

1:50,000



For further details about this map, please contact

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01/02

MUMBAI-NAGPUR SECTION OF MNPL PROJECT

Reserved/Protected Forests to be Diverted District Thane (TDS) ROU MNPL

Sl. No.	Name of the Land/Lot	Forest Type	Length in (m)	Area of Forest (sq. m)	Area of Forest (sq. m)	Name of Village	Name of Taluka	Name of District
R1	Forest Land in S. No. 12	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R2	Forest Land in S. No. 13	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R3	Forest Land in S. No. 14	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R4	Forest Land in S. No. 15	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R5	Forest Land in S. No. 16	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R6	Forest Land in S. No. 17	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R7	Forest Land in S. No. 18	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R8	Forest Land in S. No. 19	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R9	Forest Land in S. No. 20	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			
R10	Forest Land in S. No. 21	Reserved Forest	213815.131	19'20'10.356"	73'17'30.444"			

Sl. No.	Code	Eastings	Northings	Longitude	Latitude
R1	1	32054.243	213815.131	19'20'10.356"	73'17'30.444"
R1	2	32054.731	213815.131	19'20'10.356"	73'17'30.444"
R1	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R1	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R2	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R3	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R4	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R4	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R4	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R4	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R5	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R5	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R5	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R5	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R5	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R5	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R6	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R7	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R8	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R8	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R8	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	1	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	2	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R9	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"
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R10	3	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	4	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	5	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	6	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	7	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	8	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	9	32054.778	213815.131	19'20'10.356"	73'17'30.444"
R10	10	32054.778	213815.131	19'20'10.356"	73'17'30.444"



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SECTION: **Details of Reserved/Protected Forest to be Diverted District Thane**

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