

Permission for laying of proposed 8" & 12" Dia Steel Gas Pipeline Along & Across various Asphalt Road & Amlah Minor Canal from Chanakaya Dairy to Barounga CGS Connectivity to developing City Gas distribution network in Mandi Gobindgarh City under Fatehgarh Sahib GA.

Annexure – 14

Certificate under Environment Protection Act where every necessary or copy of application for Environment Clearance under EPA / CRZ

The Project Cost is less than Rs. 100 crores.
Hence Environment Clearance is not applicable and not required.

The area through which Proposed Pipeline passes does not fall under CRZ

For IRM Energy Limited




Prashant Sagar
Exe. Vice President - Projects

COUNTER SIGNED


Divisional Forest Officer
Patiala Forest Division


27 SEP 2022

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Annexure-15

Certificate of Collector regarding FRA 2006, in the prescribed proforma.

The procedure for getting FRA Certificate is in progress. The letter asking for a certificate from Collector is enclosed herewith.

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PATIALA**

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UNDERTAKING FOR LAYING OF UNDERGROUND OPTICAL FIBER CABLES (OFC), TELEPHOTE LINES, DRINKING WATER SUPPLY PIPELINES, ELECTRICITY CABLES, CNG/PNG AND SLURRY PIPELINES

The Government of India has, vide their letter number FC-11/165/2019-FC dated 27th July, 2020 recommended that CA may not be levied in case of laying of underground Optical Fiber Cables (OFC), telephone lines, drinking water supply pipelines, electricity cables, CNG/PNG and Slurry pipelines within RoW of existing roads (trench size not more than two meter in depth and one meter in width) not falling in National Parks and Wildlife Sanctuaries without felling of trees and observed that laying of underground CNG/PNG and Slurry pipelines in RoW of existing road is an activity being taken up in forest area which is already under non forest use.

Accordingly, we hereby undertake that Approval, in addition to general condition mentioned under para 4.1 (except condition "f"), of the Comprehensive Guidelines issued on 28.03.2019 subject to the following specific conditions:

- a. IRMEPL undertake that no tree felling is involved for the proposed work.
- b. After completion of the project IRMEPL undertake that the area under RoW should be reclaimed suitably.
- c. IRMEPL agrees to make good of any loss to Forest/Environment.
- d. We will seek permission from the local FD for carrying out any maintenance.
- e. We agree that in case the proposed area falls in the RoW of the road passing through National Parks and Wildlife Sanctuaries, General Approval is subject to prior permissions from the State Board for Wildlife.
- f. We agree that in case of project involve tree felling, ten trees for each tree marked for removal shall be planted at the cost of user agency in consultation with the local forest department.

For IRM Energy Limited




**Prashant Sagar
Exe. Vice President – Projects**

Place :- Ahmedabad

Countersigned



**Divisional Forest Officer,
Patiala Forest Division,
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UNDERTAKING of NO OBJECTION CERTIFICATES

It is certified that IRM Energy Limited (IRMEL) has applied for diversion of 0.4400 Ha of forest area for the purpose of laying Proposed Gas Pipeline Project in Fatehgarh Sahib District.

We hereby undertake that IRMEL have applied to The Executive Officer, PWD, Sirhind & The Executive Engineer, Devigarh Irrigation Division, Patiala for grant permission to lay Gas Pipeline within their ROW. Application submission copy and undertaking for further processing of permission from the forest department is enclosed herewith.

We will submit the permissions/NOC as soon as we get it.

For IRM Energy Limited


Prashant Sagar
Exe. Vice President – Projects

Place :- Ahmedabad

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**UNDERTAKING FOR THE PAYMENT OF COST OF RESERVE PRICE
OF TREES**

IRM Energy Private Limited (IRMEPL) undertakes to pay the entire amount for a reserve price of trees in lieu of the forest area diverted to 0.4400 Ha of forest land permission for Proposed Gas Pipeline Project in Fatehgarh Sahib District under Forest Division Patiala, Punjab.

For IRM Energy Limited

**Prashant Sagar
Exe. Vice President – Projects**

Place :- Ahmedabad

Countersigned


**Divisional Forest Officer,
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Patiala**


27 SEP 2022

Annexure - A

Sr. No	Name of Forest Strip Land	FOREST AREA (HA)			NON FOREST AREA (HA)			Total Area in ha.	Nos. of trees to be felled in Forest Land	Remarks
		Length in Mts.	Width in Mts	Total	Length in Mts.	Width in Mts	Total			
1	<p>Diversion of 0.4400 Ha of forest land permission for Laying of proposed 8" & 12" Dia Steel Gas Pipeline Along & Across various Asphalt Road & Amlah Minor Canal from Chanakaya Dairy to Barounga CGS Connectivity to developing City Gas distribution network in Mandi Gobindgarh City under Fatehgarh Sahib GA under Forest division Patiala.</p> <p>FROM -- TO</p> <p>Pipeline Details A = Length * ROU 21.34 X 0.6 = 1280.40 Sqm 3900 X 0.8 = 3120.00 Sqm Total = 4400.40 Sqm Area in Ha = 0.4400 Ha ORSAY = 0.4400 Ha</p>	0.00	0.00	0.00	0.00	0.00	0.00	No trees will be affected		



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Annexure-9

Justification for locating the project in forest area to be submitted by user Agency and countersigned by DCF

JUSTIFICATION FOR PROJECT

In consideration of the requirements of the Environmental parameter, constructions methodologies to be adopted for different terrain encountered en-route, design and engineering factors, availability of logistic support during construction, operation and maintenance of pipeline, various feasible routes were identified by the Consultant M/s. Deshpande-Patil Consultants based on Desk Study of relevant topographic maps of Survey of India.

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

The route is finalized. The respective route passes along & across various Asphalt Road & Amloh Minor Canal from Chanakaya Dairy to Barounga CGS as said herein above to provide Gas to Domestic, Commercial and Industrial Units in Mandi Gobindgarh & its surrounding areas of Fatehgarh Sahib.

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

The pipeline will be passing through Protected Forest land for about 4400.40 Sq.mtr. i. e. Hectares 0.4400 of land as per enclosed Annexure -7.

Factors considered

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

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

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

For IRM Energy Private Limited



**Prashant Sagar
Exe. Vice President - Projects**

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Annexure – 10

Certificate for the minimum use of Forest Land and justification for locating the Project on Forest Land.

The STEEL Natural Gas Pipeline will be laid along & across various Asphalt Road & Amloh Minor Canal as said hereinabove, at minimum 1.2 m below the ground level and these areas are declared as protected forest under the Forest Act.

The area of **4400.40 Sq.Mtr (0.4400Hector)** for the laying STEEL Gas pipeline is the basic minimum requirements and considering the safety of pipeline to be laid on other facilities, minimum land width is proposed to use in the forest area, as the pipeline will be laid along & across various Asphalt Road & Amloh Minor Canal The area required for laying of the Gas pipeline is minimum and is a part the protected forest.

For IRM Energy Limited



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Annexure – 5

**FINANCIAL AND SOCIAL BENEFIT
(COST BENEFIT ANALYSIS)**

----- is planning to installed -----

Sr. No.	Parameters	
1.	The increase in productivity attributable to the specific project.	Domestic, Commercial & Industrial Purpose.
2.	Benefits to economy	--
3.	No. of the population benefited.	5000 People
4.	Employment potential	--
5.	The cost of Acquisition facility on non-forest land whenever feasible.	--
6.	Loss of (a) Agricultural and Animal husbandry production due to diversion of forest land	No Loss
7.	The cost of rehabilitation of the displaced person as different from compensatory amounts given for displacement.	No rehabilitation
8.	The cost of supply of free fuelwood to workers residing in or near.	No Supply


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