

GOVERNMENT OF ASSAM
ENVIRONMENT AND FOREST DEPARTMENT
DISPUR, GUWAHATI-6

ECF No.254713/99

Dated Dispur, the 7th December, 2022

To : The Regional Officer.
Government of India,
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, 4th Floor, Housefed Building,
G.S Road, Rukminigaon, Guwahati-781022

Sub: Forest diversion proposal of 2.1 Ha. forest land for exploratory drilling location KSAI in Doyang Reserved Forest under Golaghat Division in favour of ONGC, Jorhat

Ref; Government of India letter No. 3-AS B/125/2022/GHY/2853-2854 dated 3.8.2022.

Sir,

In inviting a reference to your letter on the subject cited above, I am directed to furnish herewith the additional information/documents as below for favour of your kind information and necessary action:-

Govt. of India letter No 3-AS B/125/2022/ GHY/ 2853-2854 dated 3.8.2022	Information Provided
Condition No. (1)	The DFO, Golaghat Division physically verified of adjoining locations to the proposed diversion site of KSAI in Doyang Reserved Forest on 16.11.2022 and reportedly , no such ox bow lake was noticed. The area is under paddy cultivation vide their letter No. A/62/ONGC/KSAI/ Glt. Divn/ 2022/2636-38 dated 17.11.2022 (Copy enclosed as Annexure-I)
Condition No. (2)	A lump sum of 2% of project cost may be earmarked for Human Elephant Conflict and Wildlife Conservation Plan as per the guideline. After approval of CWLW, the Plan will be submitted in due course of time before Final Approval.
Condition No. (3)	The DFO, Goalghat Division stated that the proposed area is an open area and it is under paddy cultivation. Due to typographical error during uploading of Part-II of the FC application it was mistakenly put as 50 Nos. instead 0 (Zero) no. However, there aren't any trees or any other significant plant species in the proposed diversion site which was pertinently ascertained during the site inspection by the undersigned vide their letter No. A/62/ONGC/KSAI/ Glt. Divn/ 2022/2636-38 dated 17.11.2022 (Copy enclosed as Annexure-I)
Condition No. (4)	The User Agency (ONGC) has stated that the FRA-2006 certificate is under process.
Condition No. (5)	The number of bore hole is one and size- 17 1/2" (Diameter in Inches)

I/84596/2022

Condition No. (6)	The User Agency (ONGC) has clarified the current status of the forest clearance of the forest area of Kasomarigaon (addl.) Block PML. of sq. km under Section2 (iii) of FC Act, 1980 vide letter dated 13.10.2022 (Copy enclosed as Annexure-III).
Condition No. (7)	The User Agency (ONGC) has stated that the validity of PML from 6.7.2016 to 5.7.2023 vide letter dated 13.10.2022 (Copy enclosed as Annexure-III).
Condition No. (8)	The User Agency (ONGC) has deposited the 2 % NPV for proposed drilling wells to the Ad-hoc CAMPA account on 30.9.2016 (Copy enclosed as Annexure-IV)
Condition No. (9)	The DFO, Golaghat division has submitted the revised Net Present Value calculation sheet (Copy enclosed as Annexure-V)
Condition No. (10)	The User Agency (ONGC) has stated that the cumulative impact study report, i.e. the EIA report has been submitted for all the 'development drilling locations which falls under category A projects as per EIA,2006 while applying for exploratory drilling and as it comes under category B2 project, so a detailed EIA study has been conducted as this category of project has been exempted from doing the same while applying for EC. However, an EMP is followed as a generalized management plan for followed as a generalized management plan for countering any impact generator drilling vide letter dated 13.10.2022 (Copy enclosed as Annexure-III) .
Condition No. (11)	The User Agency (ONGC) has stated that the forest area involved in the PML is 56 sq.km vide letter dated 13.10.2022 (Copy enclosed as Annexure-III).
Condition No. (12)	The User Agency (ONGC) submitted the details of exploratory and production sites of the PML block (Copy enclosed as Annexure-VI).
Condition No. (13)	The User Agency (ONGC) has stated that the Environment clearance is to be applied after grant of "In-Principal Approval" vide letter dated 13.10.2022 (Copy enclosed as Annexure-III).

Yours faithfully,

Signed by Indreswar Kalita**Date: 08-12-2022 13:49:52**Addl. Secretary to the Govt. of Assam
Environment and Forest Department

Encl: As stated above.

Memo ECF No.254713/99
Copy to:

The Principal Chief Conservator of Forests & HoFF, Assam, Panjabari, Guwahati-37

Dated Dispur, the 7th December, 2022**E-Signed**Addl. Secretary to the Govt. of Assam
Environment and Forest Department

GOVERNMENT OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER
GOLAGHAT DIVISION:..... GOLAGHAT

e-mail: dfo.t.golaghat@gmail.com

Letter No A.62/ONGC/KSAI/Glt. Divn/2022/ 2636-38

Dated. 17/11/2022.

To, The Chief Conservator of Forest & Nodal Officer.(FC. Act), Assam,
O/o the PCCF & HoFF, Assam,
Panjabari, Guwahati-37.

Sub: Proposal for diversion of 2.1 ha. of forest land drilling of exploratory location KSAI in Doyang Reserved Forest under Golaghat Division in favour of Oil & Natural Gas Corporation Ltd, Jorhat.
Ref: Govt. of India 's letter No. F. No. 3AS B/125/2022/GHY/2853-2854, dtd.03/08/2022 and CCF & Nodal Officer, Assam vide letter No.FG.27/FCA/Proposal/ONGC/Drilling KSAI/Golaghat.

Sir,

With reference to the subject cited above, I have the honour to submit/furnish herewith information/document against the diversion of 2.1 ha. of forest land drilling of exploratory location KSAI in Doyang Reserved Forest under Golaghat Division in favour of Oil & Natural Gas Corporation Ltd, Jorhat which was dully submitted by the User Agency i.e. ONGC, Jorhat against the following points:

Sl. No	Observation	Reply
1	The comment of the State Govt on the "INVIOLE" Status of the proposed area due to the presence of hydrological layer (Ox bow lakes) as per the DSS analysis.	On physical verification of the adjoining locations to the proposed diversion site of KSAI in Doyang RF on 16/11/2022, no such ox bow lake was noticed. The area is under paddy cultivation.
2	The approved human elephant conflict mitigation and wildlife conservation plan by CWLW as recommended by the State Govt.	Human elephant mitigation plan is being prepared which will be submitted before issue of final approval to the proposal.
3	The local scientific name of 50 Nos. of tree as mentioned in the submitted enumeration list	The proposed area is an open area and it is under paddy cultivation. Due to typographical error during uploading of Part-II of the FC application it was mistakenly put as 50 nos. instead of 0 (Zero) no. However, there aren't any trees or any other significant plant species in the proposed diversion site which was pertinently ascertained during the site inspection by the undersigned. (photograph of the area attached as annexure 7).
4	The current status of F(R) Act 2006 certificate of this instant proposal.	Replied by the user agency that: Yes, FRA is available
5	The number of the bore hole and its size involved in this proposal.	Replied by the user agency that: Number of bore hole -1 Size-17 1/2"(Diameter in Inches)
6	The current status of the forest clearance of the forest area of Kasomarigoan (addl.) Block PML of sq. km under Section 2 (iii) of FC Act. 1980.	Replied by the user agency that: PML has been enclosed as per requirement. (Annexure 1)
7	The validity of the Kasomarigoan (PML) additional black area of 56 sq Km.	Replied by the user agency that: Validity of PML- From- 06.07.2016 To-05.07.2023(Annexure 2)
8	The Status for realization of 2% NPV by State Govt of the Forest area involved in the PML.	2% NPV payment has been made.(Annexure 3)
9	The revised NPV calculation of the proposed area as per the Ministry letter File No.5-3/1011-FC(Vol-1)dated 21.03.2022	Revised Net Present Value calculation sheet (NPV) submitted by this Division.
10	The cumulative impact study report of all the drilling /extraction sites located in the block of the "PML" where the drilling location "KSAI" has been proposed	Replied by the user agency that: 2% NPV payment has been made.(Annexure 3)
11	The total forest area involved in the Kasomarigoan (addl.)Block PML.	Replied by the user agency that: The cumulative impact study report, i.e. the EIA report has been submitted for all the 'development drilling locations which falls under category A projects as per EIA, 2006 while applying for "exploratory" drilling and as it comes

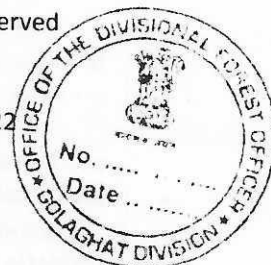
15/10/22
19/10

To
The Divisional Forest Officer,
Golaghat Division,
Golaghat
Assam – 785621

Date –13 /10/2022

Sub – Proposal for diversion of 2.1 ha of forest land for drilling location KSAI in Doyang Reserved Forest under Golaghat Division in favor of ONGC Ltd., Jorhat.

Ref – i) DFO Golaghat letter no. B/62/ONGC/KSAI/Glt Divn/2022/4888, dated 12/08/2022
ii) IRO, MoEF & CC, Guwahati letter ref. F.No.3-AS B 125/2022/GHY/2853-2854, dated 03.08.2022



Sir,

With reference to your letter, B/62/ONGC/KSAI/Glt Divn/2022/4888, dated 12/08/2022, I would like to enclose herewith the information/documents as per requirement against the points mentioned in IRO letter dated 03.08.2022. The information against the points are being mentioned below-

Sl. No.	Observation	Reply
1	The comment of the State Govt. on the "INVIOLATE" status of the proposed area due to the presence of hydrological layer (Ox bow lakes) as per the DSS analysis.	Not in the scope of UA
2	The approved human elephant conflict mitigation and wildlife conservation plan by CWLW as recommended by the State Govt.	Under process with the consultation of DFO, Golaghat.
3	The local scientific names of 50 Nos. of trees as mentioned in the submitted enumeration list	Not in the scope of UA
4	The current status of the F(R) Act, 2006 certificate of this instant proposal.	Yes, FRA is available.
5	The number of bore hole and its size involved in this proposal.	Number of Bore Hole - 1 Size - 17 ½" (Diameter in Inches)
6	The current status of the forest clearance of the forest area of Kasomarigaon (addl) block PML of sq. km under Section 2(iii) of FC Act. 1980.	PML has been enclosed as per requirement. (Annexure 1)
7	The validity of the Kasomarigaon (PML) additional block area of 56 sq Km.	Validity of PML – From - 06.07.2016 To - 05.07.2023 (Annexure 2)
8	The status for realization of 2% NPV by State Govt of the Forest area involved in the PML.	2% NPV payment has been made. (Annexure 3)
9	The revised NPV calculation of the proposed area as per the Ministry letter File No. 5-3/1011-FC (Vol -I) dated 21.03.2022	Not in the scope of UA

10	The cumulative impact study report of all the drilling /extraction sites located in the block of the "Kasomarigaon (addl.) PML" where the drilling location "KSAI" has been proposed.	The cumulative impact study report, i.e. the EIA report has been submitted for all the 'development' drilling locations which falls under category A projects as per EIA, 2006 while applying for EC. But since this diversion proposal KSAI is for 'exploratory' drilling and as it comes under category B2 project, so a detailed EIA study has not been conducted as this category of project has been exempted from doing the same while applying for EC. However an EMP (Environment Management Plan) is followed as a generalised management plan for countering any impact generated in the environment during exploratory drilling. The same has been attached for your reference. (Annexure 4)
11	The total forest area involved in the Kasomarigaon (addl) Block PML.	Forest area involved in the PML – 56 Sq. Km (Annexure 5)
12	The detail list of all the drilling & development sites located in the Kasomarigaon (addl) block PML area of 56 sq. Km with legal status of land and its forest clearance status.	Details of exploratory and production sites of the PML block has been attached. (Annexure 6)
13	The current status of the environment clearance of this instant proposed exploratory drilling location "KSAI".	EC will be applied after Getting IPA


This is for your kind information and consideration please

Thanking You,


18/10/2022
Munindra Das
GM (Drilling)
In-Charge, LAQ
ONGC Jorhat
Cinnamara

MUNINDRA DAS
GM (D)
I/C LAQ
ONGC, JORHAT

ANNEXURE

	Oil and Natural Gas Corporation Limited Assam & Assam Luit Bhavan, ONGC Comp Phone: +91 376 2360011, 270701	sin hara, Jorhat 1 376 2360012/14
File Ref	No. JRT/ BM-AAA/ BMG/ 4 /2016/4155	30.09.2016
From	Office of Basin Manager, A& AA Basin : Jorhat	
To	Chief Conservator of Forests & Nodal Officer, (F.C. Act) O/o the Principal Chief Conservator of Forests and Head of Forest Force: Panjabari: Guwahati- 781 037 Assam.	

Sub: Payment of NPV @ 2% against forest area covered under PMLs of ONGC in Assam.

Ref: Letter No. FG.27/Nodal/OIL & ONGC/ Genl. dated 09.05.2016.
Letter No. FG.27/Nodal/OIL & ONGC/ Genl. dated 22.07.2016
Letter No. FG.27/Nodal/OIL & ONGC/ Genl. dated 29.08.2016
Letter No. JRT/ BM-AAA/ 2G /2016 dated 24.08.2016.
Letter No. JRT/BM-AAA/BMG/1/2016/4138 dated 12.09.2016
Letter No. JRT/BM-AAA/BMG/2/2016/4141 dated 14.09.2016
Letter No. JRT/BM-AAA/BMG/3/2016/4141 dated 19.09.2016

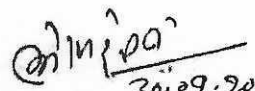
Sir,


This has reference to the above communications on the subject matter. The total extent of the PML area is 1225.5 Sq. Km out of which 358.29 Sq. Km. (35829 Ha) falls under Forest Area. Going by the rate communicated by the Government of Assam i.e. Rs. 20, 860 per Ha, the 2% NPV has been worked out to be Rs. 74,73,92,940. It is understood that there are different classes of the Forest like Open Forest, Dense Forest & Very Dense Forest and whether the said amount of Rs. 20,860/-per hectare is applicable to all kind of Classes of Forest or Class I Forest is not clear.

ONGC, Jorhat work center (A&AA Basin and Jorhat Asset), has made a provisional payment of Rs.74,73,92,940. vide UTR No. SBIN416274305261 by RTGS in the Govt. A/C no. 037100101025200 -Adhoc CAMPA of Corporation Bank, Phase-I, Lodhi Road, New Delhi on 30.09.2016, as advised by your office, under protest and without prejudice to the rights and remedies available to ONGC,.

Kindly acknowledge the receipt of the payment.

With regards,


30.09.2016
(Manoj Ranjan)
DGM (Geol)-BMG

	Oil and Natural Gas Corporation Limited Assam & Assam Arakan Basin Luit Bhavan, ONGC Complex, Cinnamara, Jorhat Phone: +91 376 2360011, 2707002, FAX: +91 376 2360012/14	
	File Ref	No. JRT/ BM-AAA/ BMG/1 /2016 /4138
From	Office of Basin Manager, A& AA Basin : Jorhat	
To	Chief Conservator of Forests & Nodal Officer, (F.C. Act) O/o the Principal Chief Conservator of Forests and Head of Forest Force: Panjabari: Guwahati- 781 037 Assam.	

Sub: Payment of NPV @ 2% against forest area covered under PMLs of ONGC in Assam.

Ref: Letter No. FG.27/Nodal/OIL & ONGC/ Genl. dated 09.05.2016.
 Letter No. FG.27/Nodal/OIL & ONGC/ Genl. dated 22.07.2016
 Letter No. JRT/ BM-AAA/ 20 /2016 dated 24.08.2016.

Sir,

Reference is invited to the letters mentioned above regarding realization of payment of NPV @ 2% against Forest area covered under Mining Lease.

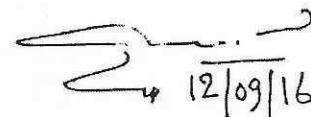
In this connection, the following documents are hereby submitted in compliance to letter dated 9th May 2016 & 22nd July 2016 for your kind perusal.

1. Approval letter of each PML accorded by Govt. of India (point 1). Refer Table-2 and Annexures I to XI
2. Coordinates of the approved PML area. (Coordinates of the ML area provided with the area covered under Forest area as depicted in the maps (point 4) Refer Table-3
3. Copy of Petroleum Mining lease granted by State Govt. of Assam (point 5). Refer Table-2 and Annexures XII to XVI
4. Royalty is paid for the ML areas under production. For the PML areas yet to be put on production or awaiting grant from state Govt. Dead rent is under process/ will be deposited on grant of Mining Lease. (Point 7)

Remaining data is under compilation/ preparation and will be submitted shortly for which we request for time extension to furnish the documents as requested.

ONGC has made an assessment of approximately 358.29 sq.km as the total forest area under PML as is detailed in table-1. It is requested to kindly intimate us about the amount to be paid so that the same may be processed at the earliest.

With regards,



(D.C. Pant)
 DGM (Geol) - Head BMG

Copy for information to:

1. Divisional Forest Officer, Golaghat,
2. Divisional Forest Officer, Cachar,
3. Divisional Forest Officer, Karimganj,
4. ED-Asset Manager, Jorhat Asset, Jorhat
5. GGM-Head EXCOM, New Delhi

*Pl. p.u. draft copy by
 Sh. H. Chand*

ANNEXURE

Table-1

Sl. No	PML Block	Block (sq.Km)	Name of Reserved Forest	Forest Area (Sq.Km)	District
A&AA Basin, Jorhat					
1	Adamtila Extn	148	Adamtila Hills & Langai R.F.	84.37	Karimganj
2	North Patharia	60	Pathari Hills R.F.	3.12	Karimganj
3	Cachar	732	Sonai R.F, Inner Line R.F. and Lower Jiri R.F.	31.3	Cachar
4	Kasomarigaon (Additiona)	56	Doyang R.F	56	Golaghat
5	East Lakhibari Extn.	49	Doyang R.F	8	Golaghat
	Total	1045		182.79	
Jorhat Asset					
1	Kalyanpur	40	Doyang R.F	37.5	Golaghat
2	Kasomarigaon	20	Doyang R.F	20	Golaghat
3	Khoraghat	3	South Nambar & Rengma R.F.	3	Golaghat
4	Khoraghat Ext-1	83	South Nambar & Rengma R.F.	80.5	Golaghat
5	East Lakhibari	8.5	Doyang R.F	8.5	Golaghat
6	Nambar	26	South Nambar & Rengma R.F.	26	Golaghat
	Total	180.5		175.5	
	Grand Total	1225.5		358.29	

(Source: data taken from the original PML grant application and the authenticated maps).

Table-1

ANNEX

Details of PMLs held by ONGC under A&AA Basin and Jorhat Asset						Site
Sl No	Area	Validity of PML		Area of PML (Sq. Km.)		Remarks.
		From	To	Overall	Forest Cover	
JORHAT ASSET						
1	Borholla	17.06.1998	16.06.2018	32.12	0	Jorhat Dt.
2	Mekrang	19.09.1997	18.09.2017	16.00	0	Jorhat Dt.
3	Titabar	24.12.2008	23.12.2023	10.00	0	Jorhat Dt.
4	Nambar (Forest Area)	05.09.1999	04.09.2019	26.00	26.00	Golaghat Dt.
5	Khoraghat (Extn-1)	17.07.2000	16.07.2020	83.00	80.50	Golaghat Dt.
6	East Lakhbari	23.07.2003	22.07.2023	8.50	8.50	Golaghat Dt
7	Khoraghat	26.07.2009	25.07.2024	3.00	3.00	Golaghat Dt
8	Golaghat Ext II A	09.12.2009	08.12.2024	24.00	0	Golaghat Dt.
9	Kasomarigaon	09.12.2009	08.12.2025	20.00	20.00	Golaghat Dt.
10	Kalyanpur	13.04.2007	12.04.2027	40.00	37.50	Golaghat Dt.
Total for Jorhat Asset				262.62	175.50	
BASIN (Jorhat + Cachar)						
1	Badarpur	01.08.2009	31.07.2019	2.3	0	Hailakandi Dt
2	Adamtila	24.11.2014	23.11.2034	4.00	0	Karimganj Dt
3	Adamtila Extn.	03.03.2012	02.03.2032	148.00	84.37	Karimganj Dt
4	North Patharia	30.03.2012	29.03.2029	60.00	3.12	Karimganj Dt
5	Banaskandi	21.07.1997	20.07.2017	15.00	0	Cachar Dt
6	Bhubandar	22.12.2002	21.12.2022	6.00	0	Cachar Dt
7	Sector VC	30.11.2014	29.11.2034	497.00	0	Cachar Dt
8	Cachar	04.01.2013	03.01.2020	732.00	31.30	Cachar Dt (7 yr PML)
9	Kasomarigaon (Add)	06.07.2016	05.07.2023	56.00	56.00	Golaghat Dt (7 Yr PML)
10	Golaghat Ext II A (Add)	21.11.2012	20.11.2019	61.00	0	Golaghat Dt (7 Yr PML)
11	East Lakhbari Extn.	10.10.2013	09.10.2020	59.00	8.00	Golaghat Dt (7 Yr PML)
Total for A & AA Basin				1640.3	182.79	
Total for Jorhat Work Centre (Asset + Basin)				1902.92	358.29	

Dead Rent for 1902 kx
= 2.25 Cr.
NPV for forest work out
to be 74.739 Cr.

ANNEXURE

GOVERNMENT OF ASSAM
MINES AND MINERALS DEPARTMENT
DISPUR, GUWAHATI -6.

NO.PEM.79/2015/29

Dated Dispur, the 6th July , 2016

From : Shri G.S.Panesar, ACS
Joint Secretary to the Government of Assam,
Mines and Minerals Department,
Dispur, Guwahati -6.

To : Shri C. Mahapatra
ED-Basin Manger A & AA
Basin, ONGC, Cinnamara,
Jorhat-785704

Sub : Grant of Petroleum Mining Lease to Oil & Natural Gas Corporation Ltd. for
Kasomarigaon (Additional) Block in Golaghat District, Assam, measuring
56.00 Sq.Km.

Ref : JRT/BM-AAA/20/2015, dated 28-10-2015.

Sir,

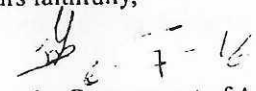
I am directed to to invite a reference to the letter cited above, and say that the Governor of Assam is pleased to grant Petroleum Mining Lease (PML) under rule 5(i) (ii) with Rule 12 of the Petroleum & Natural Gas Rules , 1959 (as amended from time to time) to Oil & Natural Gas Corporation Ltd. over an area of 56.00 Sq. Km for Kasomarigaon (Additional) Block in Golaghat District, Assam falling within the Golaghat District for production of Crude Oil and Natural Gas for a period of 7 (Seven) years for Onshore Block from the date of issue of the lease order by the concerned State Government in pursuance of Govt. of India's letter F.No.12012/52/2003-ONG-II-(Pt), dtd. 21-11-2012 conveying their approval for grant of PML for Kasomarigaon (Additional) Block in Golaghat District.

The grant of PML is subject to the observance and conditions laid down in the PML Deed to be executed between the Govt. of Assam and ONGC. The grant of PML is also subject to the terms and conditions as per Annexure enclosed herewith.

You are therefore, requested to fulfill all the conditions as required before the execution of PML Deed without delay.

The receipt of the letter may pleased be acknowledged.

Yours faithfully,


Joint Secretary to the Government of Assam
Mines and Minerals Department,
Dispur, Guwahati-6.

Memo.NO.PEM.79/2015/29-A

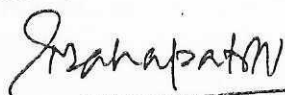
Dated Dispur, the 6th July , 2016

Copy 1 :-

1. The Under Secretary to the Govt. of India, Ministry of Petroleum & Natural Gas, New Delhi Shastri Bhawan, New Delhi with reference to his letter F.No.12012/52/2003-ONG-II-(Pt), dtd. 21-11-2012.
2. The Director (i/c), Geology & Mining, Assam, Kahilipara, Guwahati-19. She is requested to prepared the draft PML Deed and execute the same with ONGC Ltd. incorporating and updating the relevant clauses of terms and conditions as necessitated with recent development with intimation to this Department at an early date. This has the reference to her letter No.GM/MM/85-Z/K/1968-69, dated 31-10-2015.
3. The Deputy Commissioner, Golaghat District, Assam for information and necessary action.
4. The Principal Chief Conservator of Forest, Assam, Rehabari, Guwahati-8 for information and necessary action.

By order etc!

HPBMS


08/07/16

Joint Secretary to the Government of Assam,
Mines & Minerals Department,
Dispur, Guwahati-6

TERMS & CONDITIONS

1. The lease shall be in respect of Crude Oil and Natural Gas.
2. The lease shall be valid for a period of 7 (seven) years from the date of issue of the lease order by the concerned State Govt.
3. The lease shall be subject to the provisions of Oil Fields (Regulation and Development) Act 1948 (53of 1948) and the Petroleum & Natural Gas (P &NG) Rules, 1959 made thereunder as amended from time to time .
4. Royalty on Crude Oil Natural Gas and Condensate shall be payable by the lessee as per such rates as may be fixed from time to time by the Central Government in consultation with the State Government . The royalty shall be payable on monthly basis and shall be payable by the last day of the month succeeding the period in respect of which it is payable.
5. The lessee shall, as soon as possible, provide the Central Government or its designated agency, free of cost, all data earlier obtained or to be obtained as a result of petroleum operations under the lease as specified in Rules 19 (C) of the P & NG Rules, 1959, as amended from time to time.
6. Necessary approval from the Competent Authority should be obtained for the Reserve Forest Area (if any) falling in the leased area.
7. If international companies or foreigners are entrusted with the task, the lessee may get security vetting of these companies through the appropriate Government agencies with the help of this Ministry. The lessee shall also seek prior clearance from the Ministry of Home Affairs and Ministry of Defense with the full particular of foreign employees under intimation to this Ministry.
8. The lessee shall issue identity cards to each of the employees. The system of checking identity cards of personnel will have to strictly enforced.
9. Security to its employees both at the project sites and en-route in insurgency affected areas will be the responsibility of the lessee.
10. The lessee shall allow Government authorities to enter and inspect area for security check-ups, if necessary.
11. Lessee shall not employ any foreign national surreptitiously in the areas along the border.
12. No ground/aerial survey of the Defense VAS/VPs are permitted. Aerial survey, if any, would be governed by the provisions of the Ministry of Defense letter No.18(8)/82/-D(GS111) dated January 31^s, 1989.
13. Air force areas falling within the zones earmarked for delineation should be avoided.
14. For work in close vicinity of Indian Air Force units/installations and visits to these installations, if any, specific permission of Air Headquarters should be obtained.
15. Any work within 500 m of the perimeter of the Air Force Station should be intimated to Air Force authorities at least 10days before commencement of the activities.
16. No obstruction shall be erected higher than 15 metres within 5km radius of Air Force, Air Fields and construction of any high mast/towers shall be carried out in consultation with the Air Force authorities.
17. Lessee should execute a separate lease deed in respect of such other covenants, terms and conditions as per the prescribed format.
18. In case the production of Oil/Gas ceases permanently from the field, the DGH and Ministry may be informed immediately.

ANNEX

EMP Budget for 38 locations

Pertaining to Drilling Services, Jorhat

Sr No	Mitigation /Management measures	Total Capital Cost Rs.	Recurring Cost Rs.
1	Wastewater and effluent Management <ul style="list-style-type: none"> • Modular STP • Water Quality Monitoring 	--	Rs.3,89,299.50 (approx.) per Mobile ETP per well of 75 days. (For drilling location under DS, A&AAB, Jorhat)
2	Fuel ,Lubricant and Chemical Management	Lubricant:44 lakh	3.25/ well
3	Noise and Vibration Mitigation <ul style="list-style-type: none"> • Acoustic Enclosure and Personal Protective Equipment • Noise Monitoring • Maintenance cost of equipment. 	1.35 Core	0.50Lakh
4	Solid Waste Management		
5	Air emission mitigation <ul style="list-style-type: none"> • Maintenance of D.G sets • Air monitoring 	15.0 Core	05 Lakh / well 0.40 Lakh / well (For Air Noise & Stack monitoring)
6	Soil Quality	--	
7	Training to Staff	--	
8	General Awareness in Local Public	--	



Project Name:- Proposal for Drilling of exploratory wells (38 No's) in the non-forest areas of the Cachar District PML Block and Pre-NELP Block AA-ONJ/2, Assam.

ENVIRONMENT MANAGEMENT PLAN

The objective of the Environmental Management Plan (EMP) is to **identify** project specific actions that will be undertaken to mitigate and manage impacts associated **with the proposed project**. In view of the proposed project, the adequacy of the proposed pollution control measures has been analyzed to meet the standards and norms of concerned authorities. The **EMP reflects** statutory requirements, ONGC's own corporate operational guidelines for drilling of wells **project**. Cognizance has been taken of all the applicable standards and guidelines (amongst others) **in the preparation** of the EMP. The following sections discuss the mitigation measures for each potential effect. Actions and monitoring requirements are summarized Table-1. The Environmental Management Plan (EMP) describes both generic good practices. Measures and site-specific measures, the **implementation** of which is aimed at mitigating potential impacts associated with the proposed project.

TABLE-1
SUMMARY OF ENVIRONMENTAL MANAGEMENT ACTIONS

Potential Impact	Action	Responsibility	Parameters for Monitoring	Timing
1. Land take	1.1 Ensure that all necessary protocols are followed and legal requirements implemented: a) Ensure that appropriate legal requirements have been met with regard to land occupancy, land ownership or usage rights, notice and compensation etc. ; b) Establish and clearly document land take agreements with owners, users and state authorities.	ONGC, Land Acquisition coordinators Land Acquisition coordinators	Check list of action items	Pre-deployment of Topographic survey team or site clearance crew.
	1.2 Mark out site boundaries. Ensure that land take during drilling site construction is restricted to pre-agreed area.	ONGC/Contractors	Site boundaries marked	After selection of precise site location and Orientation. Prior to onset of site clearance.
2. Soil Erosion	2.1 Minimize area extent of site Clearance, by staying within defined boundaries.	Contractor Supervisor	Site boundaries marked	Prior to onset of site clearance.

	3.4 All bulldozer operators involved in site preparation shall be trained to observe the defined site boundaries.	Contractor Supervisor	Maintenance of integrity of boundary markers.	Duration of site Preparation.
	3.5 Hunting, fishing and wildlife trapping is forbidden. Removal or disturbance to nesting or breeding birds and animals, their eggs or young is strictly prohibited.	Contractor Supervisor	Awareness training	Entire drilling campaign
4. Fuels, Lubricants and Chemicals Management	4.1 Maintain strict inventory of all fuel, lubricants and chemicals brought to the drilling site.	Drilling Site manager	Up-to-date inventory in place	-do-
	4.2 All fuels, lubricants and chemicals placed in controlled storage.	Drilling Site manager	Periodic checking of Integrity of storage area, impervious liner; All drums and containers located within footprint of storage area.	-do-
	4.3 All used and unused lubricants and chemicals no longer required, to be stored in a secure paved area and disposed to authorized recyclers	Drilling Site Manager	Validity of authorization of the approved recyclers; Manifest and records to be maintained.	-do-
	4.4 Refueling operations to be undertaken over area with impervious flooring and surface drainage with oil traps.	Drilling Site Manager.	Paved facilities to be installed and training to concern to be Provided.	- do-
	4.5 Delivery of fuel to drilling site to be supervised.	Drilling Site Manager.	Detailed procedure in place and training to concerned provided.	-do-

	2.2 Stockpile of topsoil wherever possible and applicable at the edge of site.	Contractor supervisor	Topsoil stockpile in place on site edge.	Site Construction. Duration of program up until demobilization.
	2.3 Install and maintain effective run-off controls, including siltation ponds, traps and diffusion methods so as to minimize erosion.	Drilling Site manager	Condition of siltation ponds. Rill or gully development in Immediate off-site surroundings.	Site construction. Duration of program and beyond.
	2.4 Avoid uprooting trees or removing undergrowth where possible, so as to retain land stability.	Contractor supervisor	Trees to be preserved identified	Site clearance.
3.Habitat disturbance	3.1 Mark out site boundaries	Drilling Site Manager	Clear boundary markers in place.	Prior to commencement of site clearance.
	3.2 Avoid uprooting trees and other plants where possible so as to facilitate subsequent re-growth.	Contractor Supervisor	Trees to be preserved identified	Entire drilling campaign
	3.3 For cleared areas, retain top soil in stockpile where possible on perimeter of site for subsequent re-spreading onsite during restoration	Contractor Supervisor	Topsoil stockpile in place on site edge.	Duration of programme until Demobilization or prior opportunity for vegetation of verges.

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4. Fuels, Lubricants and Chemicals Management	4.1 Maintain strict inventory of all fuel, lubricants and chemicals brought to the drilling site.	Drilling Site manager	Up-to-date inventory in place	-do-
	4.2 All fuels, lubricants and chemicals placed in controlled storage.	Drilling Site manager	Periodic checking of Integrity of storage area, impervious liner; All drums and containers located within footprint of storage area.	-do-
	4.3 All used and unused lubricants and chemicals no longer required, to be stored in a secure paved area and disposed to authorized recyclers	Drilling Site Manager	Validity of authorization of the approved recyclers; Manifest and records to be maintained.	-do-
	4.4 Refueling operations to be undertaken over area with impervious flooring and surface drainage with oil traps.	Drilling Site Manager.	Paved facilities to be installed and training to concern to be Provided.	- do-
	4.5 Delivery of fuel to drilling site to be supervised.	Drilling Site Manager.	Detailed procedure in place and training to concerned provided.	-do-

	4.6 Adequate oil spill containment and clean-up equipment and materials on-hand and available to contain foreseeable oil spill.	Drilling Site manager	Facilities and inventories readily available and in good working order.	Entire drilling campaign
5. Waste and Effluent Management	5.1 Implement Drilling Waste Management Plan	Drilling site Manage	Comprehensive Waste Management Plan in place and available at site.	Prior to site clearance.
6. Soil Contamination	6.1 Impervious liners in place for a) Fuel, lubricants and chemicals storage area. b) Cuttings pit; stream side pump set station.	Drilling Site manager	Evidence of protective measures in place. No visual sign of oil spills.	Daily throughout duration of programme
	6.2 Effective bunds capable of containing 110 % of the volume of the largest container within and enclosing all Potentially contaminating materials. To be used for fuel lubricants and chemicals storage area.	Drilling Site manager	Evidence of protective measures in place. Absence of visual evidence of contamination.	Daily throughout duration of programme
	6.3 Non - contaminated and potentially contaminated run-off will be kept separate. Non-contaminated run-off will be routed to off-site areas via silt traps. Potentially contaminated surface run-off will be routed through oil traps.	Drilling Site manager	Evidence of separate routes and effectively working silt traps. Oily water separation in good working order.	Duration of entire drill programme.

	6.4 Oil drip pans shall be used wherever there is significant potential for leakage including, but not limited to; <ul style="list-style-type: none"> • Drill rig engine; • Electric generator engine; • Compressors, pumps or other motors; • Maintenance areas; • Fuel transfer areas. 	Drilling Site manager	Drip pans in place. Absence of visible signs of soil contamination.	Duration of entire drill programme.
	6.5 All spills/leaks contained, reported and cleaned up immediately: <ul style="list-style-type: none"> • Oil absorbent /spill containment material deployed to contain large spills; • Contaminated soil dug up, placed in drums and subsequently removed from site. 	Drilling Site manager	Written spill procedure in place. Oil spills containment materials onsite (and always ready for deployment). Spill reporting procedure in place	Duration of entire drill programme.
7. Water quality and other aquatic impacts.	7.1 No untreated discharge to be made to water courses.	Drilling Site manager	Ensure no untreated effluent discharged on land or watercourse from the drilling site / campsite.	Duration of programme with particular emphasis during site layout design and site construction

TABLE-1
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Potential Impact	Action	Responsibility	Parameters for Monitoring	Timing
1. Land take	1.1 Ensure that all necessary protocols are followed and legal requirements implemented: a) Ensure that appropriate legal requirements have been met with regard to land occupancy, land ownership or usage rights, notice and compensation etc.; b) Establish and clearly document land take agreements with owners, users and state authorities.	ONGC, Land Acquisition coordinators Land Acquisition coordinators	Check list of action items	Pre-deployment of Topographic survey team or site clearance crew.
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4. Fuels, Lubricants and Chemicals Management	4.1 Maintain strict inventory of all fuel, lubricants and chemicals brought to the drilling site.	Drilling Site manager	Up-to-date inventory in place	-do-
	4.2 All fuels, lubricants and chemicals placed in controlled storage.	Drilling Site manager	Periodic checking of Integrity of storage area, impervious liner; All drums and containers located within footprint of storage area.	-do-
	4.3 All used and unused lubricants and chemicals no longer required, to be stored in a secure paved area and disposed to authorized recyclers	Drilling Site Manager	Validity of authorization of the approved recyclers; Manifest and records to be maintained.	-do-
	4.4 Refueling operations to be undertaken over area with impervious flooring and surface drainage with oil traps.	Drilling Site Manager.	Paved facilities to be installed and training to concern to be Provided.	- do-
	4.5 Delivery of fuel to drilling site to be supervised.	Drilling Site Manager.	Detailed procedure in place and training to concerned provided.	-do-

	2.2 Stockpile of topsoil wherever possible and applicable at the edge of site.	Contractor supervisor	Topsoil stockpile in place on site edge.	Site Construction. Duration of program up until demobilization.
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	2.4 Avoid uprooting trees or removing undergrowth where possible, so as to retain land stability.	Contractor supervisor	Trees to be preserved identified	Site clearance.
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	3.3 For cleared areas, retain top soil in stockpile where possible on perimeter of site for subsequent re-spreading onsite during restoration	Contractor Supervisor	Topsoil stockpile in place on site edge.	Duration of programme until Demobilization or prior opportunity for vegetation of verges.

ANNEXURE

Details of Expl

and Production sites for Kasomarigaon PML (Addl. Area)

Sr. No.	PML Name	Exploratory & Production facilities	Location (coordinates)		FC Status
			LATITUDE	LONGITUDE	
1	Kasomarigaon	1 WHI (SUAB)	26° 13' 16.59" N	94° 00' 38.57" E	Obtained
2	Kasomarigaon	SU-1_Z	26° 13' 16.94" N	94° 00' 38.56" E	Obtained
3	Kasomarigaon (Add)	TL-3	26° 14' 42.45" N	94° 01' 15.03" E	Obtained
4	Kasomarigaon (Add)	DP-1	26° 13' 16.59" N	94° 00' 38.57" E	Obtained
5	Kasomarigaon (Add)	DP-2	26° 13' 16.94" N	94° 00' 38.56" E	Obtained
6	Kasomarigaon (Add)	DP-3	26° 13' 16.13" N	94° 00' 38.56" E	Obtained
7	Kasomarigaon (Add)	SU-1	26° 13' 17.03" N	94° 00' 41.29" E	Obtained

**SCHEME FOR COMPENSATORY AFFORESTATION (PLANTATION) SCHEME
AGAINST THE LAND PROCURED BY ONGC FOR DIVERSION PROPOSAL OF
EXPLORATORY DRILLING LOCATION KSAI (2.10 Ha) WITHIN DOYANG RESERVE
FOREST UNDER GOLAGHAT DIVISION**

NAME OF THE RESERVED FOREST	AREA IN HECT
Upper Dehing Reserve Forest (West Block) under Lakhpathar Range	4.20 Ha.
Area of Afforestation	2.10 Ha. X 2 = 4.20 Ha. in Upper Dehing Reserve Forest (West Block) with the following GPS location under Digboi Forest Division. a) Lat = : 27°26'28.183" N; Log = : 95°29'49.123" E b) Lat = : 27°26'29.377" N; Log = : 95°29'49.999" E c) Lat = : 27°26'29.468" N; Log = : 95°29'54.057" E; d) Lat = : 27°26'22.517" N; Log = : 95°30'0.647" E; e) Lat = : 27°26'20.095" N; Log = : 95°29'56.444" E;

ESTIMATE

I) Area to be taken for plantation = 4.20 ha.	=	31,93,926.00
II) NPV @ Rs. 11,16,900.00/Ha x 2.10 ha.	=	23,45,490.00
Total	=	55,39,416.00

(Rupees Fifty Five Lakhs Thirty Nine Thousand Four Hundred and Sixteen Rupees only)

Submitted
[Signature]
Divisional Forest Officer
Golaghat Division
Golaghat