

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

ECF No.65375/104

Dated Dispur, the 14th June, 2023

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 1.43 Ha. forest land for ROU for Oil flow line from Well No. NRAA to Nambar GGS in Nambar Reserved Forest under Golaghat Division in favour of ONGC, Jorhat.**

Ref : Government of India letter No. 3- AS B/044/2018-SHI/3421-22 dated 26.12.2022.

Sir,

With reference to the subject cited above, I am directed to submit herewith the additional information/documents as sought vide letter under reference as under:

Govt. of India letter No 3- AS B/044/2018-SHI/ 3421-22 dated 26.12.2022	Information Provided
	<p>The User Agency (ONGC) has stated that the NRAA is an exploratory step-out well to probe and delineate the extension of Lower Bokabil pay stands in the southern fault block of Nambar field. On the basis of ditch samples, Core SWCs and preliminary log interpretation, three zones (1) in Kopili and the other 2 in Bokabil) were identified and surges, establishing presence of marginal hydrocarbon in Kopili section in Nambar field. Two other zones tasted in Bokabil yielded water with oil emulsion in one while the others was found to be bearing. NRAA is completed in the oil bearing zone and the extension of Lower Bokabil pay stands has been established in the southern fault block across the fault boundary. Inorder to validate the pool limits as brought by the seismic data and to identify new leads in the vicinity, NRAA is on extended production testing and continuous production and pressure data is acquired and monitored. NRAA is in operative since 2021 and FC is available for exploratory well NRAA.</p> <p>Extended and prolonged testing well testing is an operation to establish the existence of the moveable petroleum in a reservoir by flowing oil to the surface by a sequence of flow (drawdown) followed by shut-in (pressure build up), during which time, essential parameters are recorded, which helps in evaluating reservoir behaviour in real time for assessing the commerciality and productivity of a field. The vital data gathered are as follows:</p> <ul style="list-style-type: none"> ➤ Oil and Gas flow rates & water cut. ➤ Reservoir pressures (Flowing and Shut-in). ➤ Flowing temperature (surface and downhole). ➤ Formation permeability. ➤ Well productivity. ➤ Reservoir boundaries. ➤ Drainage area, distance to fault and drainage shape. ➤ Near wellbore damage (skin). ➤ Hydrocarbon chemistry. Wax and asphaltine potential. ➤ Water chemistry. Used predicting scale potential.

I/195130/2023

	<p>➤ Solid production.</p> <p>Presence of non-hydrocarbon gases (CO₂, H₂S)</p> <p>The above data will aid in resolving reservoir uncertainty and enables assessing the pool limits demarcated based on seismic data, estimation of oil & gas initially in place, drill additional infill wells, establish long term reservoir deliverability, future facility designs for fields development, selection of optimum size of tubing for future development wells and confirm reserves and contingent resources of the field. Future exploratory leads are also obtained from extended well testing vide letter No. ONGC/JRT/HSE/NRAA-KSAG dated 12.4.2023 (Copy enclosed).</p>
--	--

Yours faithfully,

Enclo: As above

Secretary to the Govt. of Assam
Environment and Forest Department

Memo ECF No.65375/104-A

Dated Dispur, the 14th June, 2023

Copy forwarded to :

1. The Principal Chief Conservator of Forests & Head of Forest Force, Assam Panjabari Guwahati-37.
2. The Deputy General Manager, Head HSE, Jorhat Asset, ONGC, Office Nambar-1, ONGC, Chinamara, Jorhat- 785704 for information.

E-SIGNED

Secretary to the Govt. of Assam
Environment and Forest Department