

INITIATIVES AND ACHIEVEMENTS OF DIRECTORATE GENERAL OF HYDROCARBONS (DGH) FOR FACILITATION OF OIL AND GAS E&P OPERATIONS IN NORTH- EAST



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INTRODUCTION: ABOUT NORTH-EAST

- The NER covers an area of 262,230 Sq km.
- 7.98 % of India's total geographical area.
- NER accounts for 21.08% of the total forest and tree cover in the country.



Total Population of 4.57 Crores (as per Census 2011).

3.78% of India's total population.

- The total forest and tree cover in the North-Eastern region is 1,74,394.70 Sq km, which is 67% of geographical area of these states.

HYDROCARBON RESOURCE POTENTIAL IN NORTH-EAST

Two Sedimentary Basins-
Assam Shelf and Assam- Arakan Fold Belt
(Total Basin Area- 1,36,825 sq. km)



Total hydrocarbon
In-place:
3,876
MMTOE



Total discovered
hydrocarbon
In-place:
2,002
MMTOE



Total Crude
Oil Reserves
in NE: 150.8
MMT



Total Natural
Gas
Reserves in
NE: 200.1
BCM



Active area
under
operation:
48,873 skm



% Basin
area of
North-East
region:
52.17

KEY CHALLENGES IN O&G SECTOR IN NORTH-EAST

Infrastructure Development

Underdeveloped infrastructure including roads, pipelines, ports etc. for oil and gas exploration, production, and transportation.

Environmental Concerns

Existence of fragile ecosystems, diverse wildlife and dense forest cover.

Social Issues

Conflicts due to local concerns and territorial claims or access to resources.

Market Access

Restriction in market access due to limited transport and export infrastructure.

Technical Challenges

Geological characteristics such as extreme weather conditions, and remote locations of Northeast regions.

"Challenges in the North-East Oil and Gas Sector: Striking a Balance Between Growth and Sustainability."

MOPNG/DGH INITIATIVE/CLAUSES TO BOOST OIL AND GAS PRODUCTION IN NORTH-EAST IN A SUSTAINABLE MANNER

01

Extended Exploration period in NE region and marketing including pricing freedom for natural gas produced in North-Eastern Region as per policy dated 14.08.2018 for NELP/Pre NELP block under PSC regime.

02

As Assam Shelf area and Assam & Arakan Fold Belt is a difficult area, the additional incentives in terms of extended exploration phase for a maximum period of 2 years be provided retrospectively in already awarded OALP blocks as well as future OALP bid rounds is in advanced stage of approval from MoP&NG.

03

- Article 14 regarding Environment Protection of RSC/PSC focuses on no Environment damage in advance due to E & P activities.**
- Article 14.5 of RSC/PSC stipulates that If the Government or State Government exceeds the stipulated time for environment-related clearances, the delay ("Extra Days") will extend all contract related time periods accordingly.**

04

- To facilitate EoDB, government rationalized 18 processes in 3 categories required during the life cycle of Exploration and Development of a block under PSC contract.**
- Category A type (includes 9 processes), where documents shall be accepted on self-certification basis and no approval is required.**

INITIATIVES OF DGH

A. Regular Activities

- 1 Empowered Coordination Committee ([ECC](#)) Meetings.
- 2 [Coordination](#) meetings with States & regular interaction with state/forest officials.
- 3 Attending ICMC/FRCM meetings.

B. Initiatives undertaken by DGH

- 4 Creation of North-East Coordination Committee ([NECC](#)).
- 5 Development of Urja Pragati Portal.
- 6 Organization of Joint workshops to sensitize stakeholders.

ACHIEVEMENTS OF DGH



Organization of Joint Workshops with stakeholders.



Liquidation of pendency.



Key Resolution in ECC pertaining to O&G Industry.



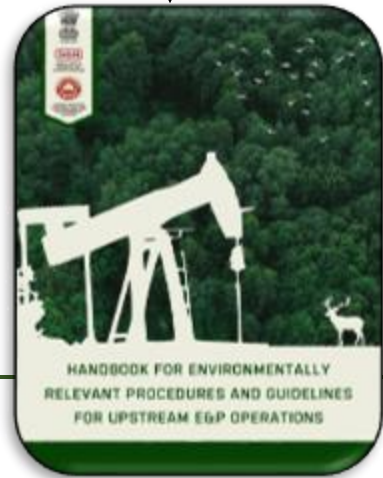
Documentary on environment-related aspects for upstream hydrocarbon sector.



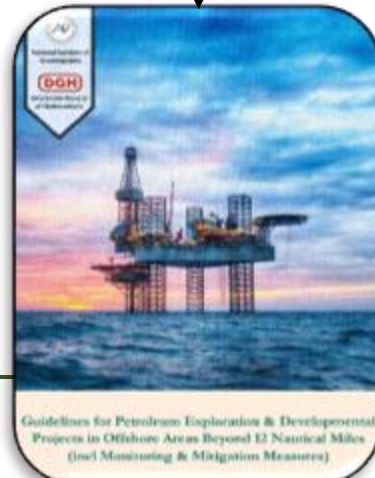
Development of Urja Pragati Portal.

EFFORTS OF DGH TOWARDS FACILITATION OF SUSTAINABLE E&P OPERATIONS

Completed



[Handbook](#) on Environmentally Relevant Procedures and Guidelines for Upstream Exploration and Production (E&P) Operations.

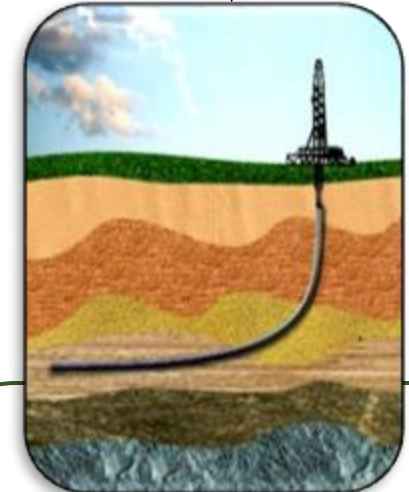


Guidelines for Petroleum Exploration & Developmental Projects in Offshore Areas Beyond 12 Nautical Miles (incl Monitoring & Mitigation Measures).

Ongoing



Impact of extreme events and [Climate Change](#) on E&P activities in the Offshore area by NIO.



Impact assessment of [ERD/ HDD](#) technologies on wildlife and above-ground biodiversity of the forest, outside the forest boundaries by WII.

WAY FORWARD

1

Delinking of Oil and Gas projects from mining projects.

2

Reconsideration on MoEF&CC OM dated 12.09.2023 regarding Extended Reach Drilling (ERD) Technology and the applicability of the Wildlife Conservation Act, 1972 and its amendments.

3

Expediting the process of ESZ notification for North-East region.

4

Workshop for Environment Clearance (A & B2 category) by DGH in March 2025.



THANK YOU

EMPOWERED COORDINATION COMMITTEE (ECC) MEETINGS

01

Constituted as per MoPNG Gaz. Notification of February 2019.

02

Inter-ministerial committee under the Chairmanship of Cabinet Secretary.

03

Aiming for early resolution of policy or block related issues pertaining to Oil & Gas sector.

04

Director General, DGH is the convenor of ECC meeting.

05

Total of Seven (07) ECC meetings have been held.



COORDINATION MEETINGS WITH STATES MARCH 2023-TILL DATE

DGH Meeting with State of Assam

Held in November & June 2023 and May 2024 for expedition of long pending clearance proposals.

Held in May 2024 between DG, DGH and CS, Assam to discuss CA land issues.

DGH Meeting with State of Tripura

Held in April 2023
Focused on TTAADC issues.

Meeting between CS, Tripura and DG, DGH held in September 2024 to discuss the way forward on the issues affecting the Oil & Gas operation.

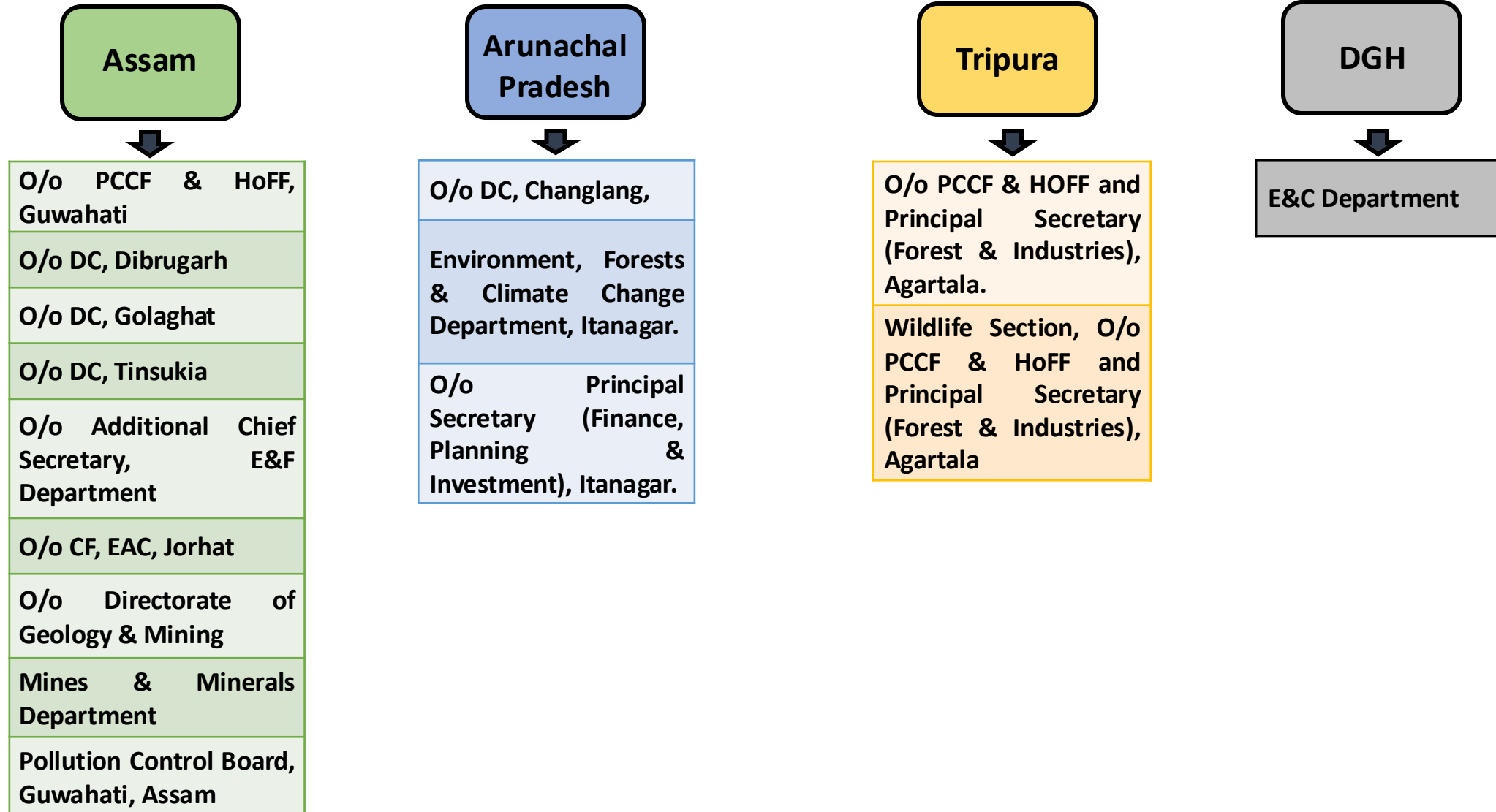
DGH Meeting with State of Arunachal Pradesh

Constant monitoring and follow up resulted in the reduction of pendency. Currently there are 4 (1 PML and 3 FC) pending cases in monitoring list of DGH.



CURRENT POSTINGS OF HYDROCARBON PROFESSIONALS

Objective : To expedite statutory clearances in the North-East region. Presently, 18 members are associated with NECC.



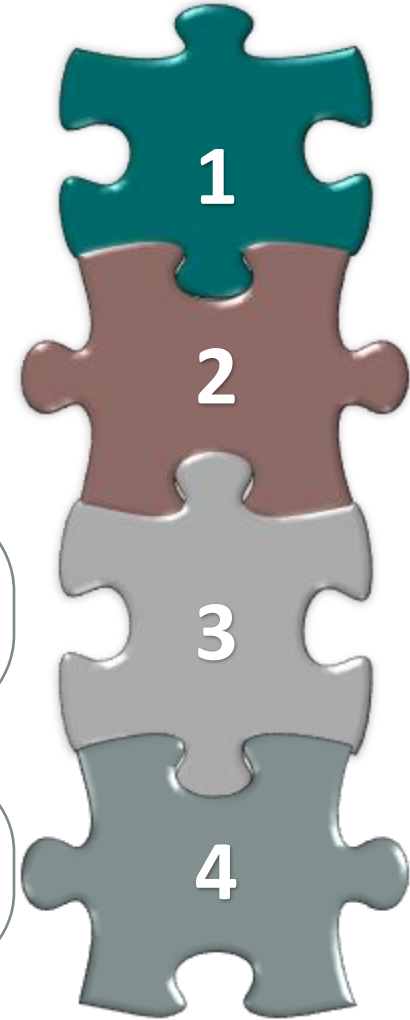
IMPACT OF EXTREME EVENTS AND CLIMATE CHANGE ON E&P ACTIVITIES IN THE OFFSHORE AREA BY NIO

This project is focused mainly on the study of the vulnerability of coastal & offshore oil & gas infrastructure.

The project includes preparation of Standard Operating Procedure (SOP), which is essential for facilitation of operators in the offshore area.

The report will also evaluate the risk on time and provide early warnings to adapt or prevent the unforeseen impacts on the oil & gas industry.

The report is under final stage of submission.



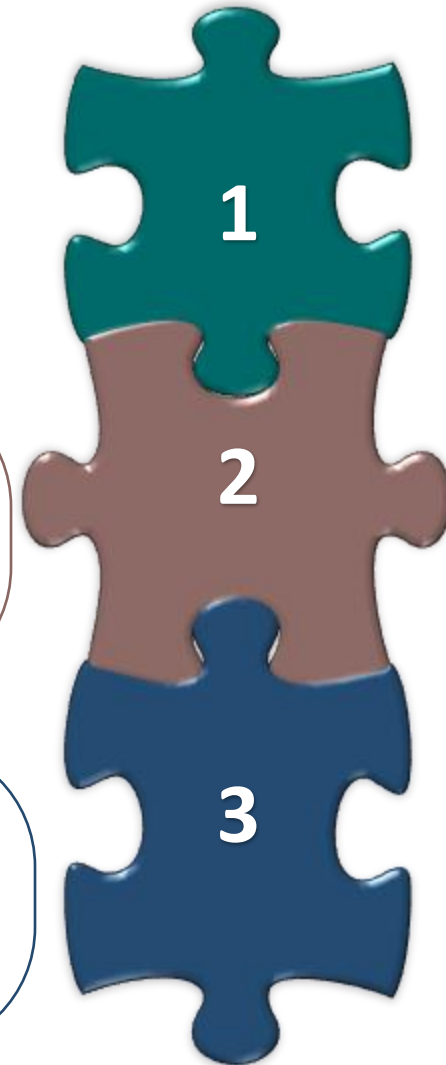
IMPACT ASSESSMENT OF ERD/ HDD TECHNOLOGIES ON WILDLIFE AND ABOVE-GROUND BIODIVERSITY

Research study by WII for impact assessment of Extended Reach Drilling (ERD)/Horizontal Directional Drilling (HDD) technologies with surface facilities on wildlife and above-ground biodiversity of the forest, outside the forest boundaries and formulation of detailed region-specific guidelines is being facilitated and sponsored by DGH.

In Principle approval has been received from MoP&NG on 16.07.2024.

The study has been already initiated in collaboration with WII, awaiting site approval for suitable location.

The proposal for statutory clearance for R&D site is under progress at MoEF&CC.



ORGANIZATION OF JOINT WORKSHOPS WITH STAKEHOLDERS



**Interactive Session
on Environmental
Clearance Process-
Jointly organized
by MoEF&CC and
DGH on
10.06.2022.**



**Interactive - cum -
training session on
Forest Clearance
on 13.09.2022,
jointly organized
by MoEF&CC &
DGH.**



**Interactive - cum -
training session on
Environmental
and Forest
Clearance Process
and PARIVESH 2.0,
jointly organized
by MoEF&CC &
DGH on
20.06.2023.**



**Training cum
orientation
programme on
PARIVESH 2.0
portal on
27.06.2024.**

LIQUIDATION OF PENDENCY

CASES RESOLVED SINCE APRIL 2024- TILL DATE									
S. No.	State	PML	PEL	CTO	EC	FC	WLC	ESZ	Total
1	Assam	-	-	-	3	8	2	-	13
2	Tripura	-	-	-	-	3	-	-	3
3	Arunachal Pradesh	-	-	-	-	2	-	2	4
4	Nagaland	-	-	-	-	-	-	3	3
5	Tamil Nadu	-	10	23	2	-	-	-	35
6	Andhra Pradesh	-	1	-	-	-	-	1	2
7	Himachal Pradesh	-	-	-	-	-	-	1	1
8	West Bengal	-	-	-	-	-	-	1	1
9	Uttar Pradesh	-	-	-	-	-	-	1	1
10	Gujarat	-	4	-	-	-	-	-	4
11	Orissa	-	-	-	-	-	-	1	1
12	Madhya Pradesh	1	-	-	1	-	-	-	2
Total		1	15	23	6	13	4	10	72

23



KEY RESOLUTION IN ECC PERTAINING TO O&G SECTOR

1 Reduction of the “No-Go” area, opening 99% of 2.36 million sq km of India’s EEZ.

2 Exemption of Seismic Survey for hydrocarbons in forest areas as per MoEF&CC OM dated 30.09.2019.

3 Non-requirement of Forest Clearance for PEL/PML grant as per FC rules 2023.

4 Simplification in CRZ procedure for exploration drilling as per MoEF&CC OM 26.04.2022.

5 Creation of a distinct category ‘Mining of Mineral Oil’ for FC Approval in PARIVESH 2.0. along with a separate form as per MoEF&CC OM dated 30.11.2022.

6 Exemption from FC Act, 1980 for underground oil and gas operations in forest area, by drilling from outside forest through Directional Drilling by MoEF&CC OM dated 12.09.2023.

7 Issuance of Final ESZ Notification of Namdapha National Park And Kamlang Wildlife Sanctuary in Arunachal Pradesh.

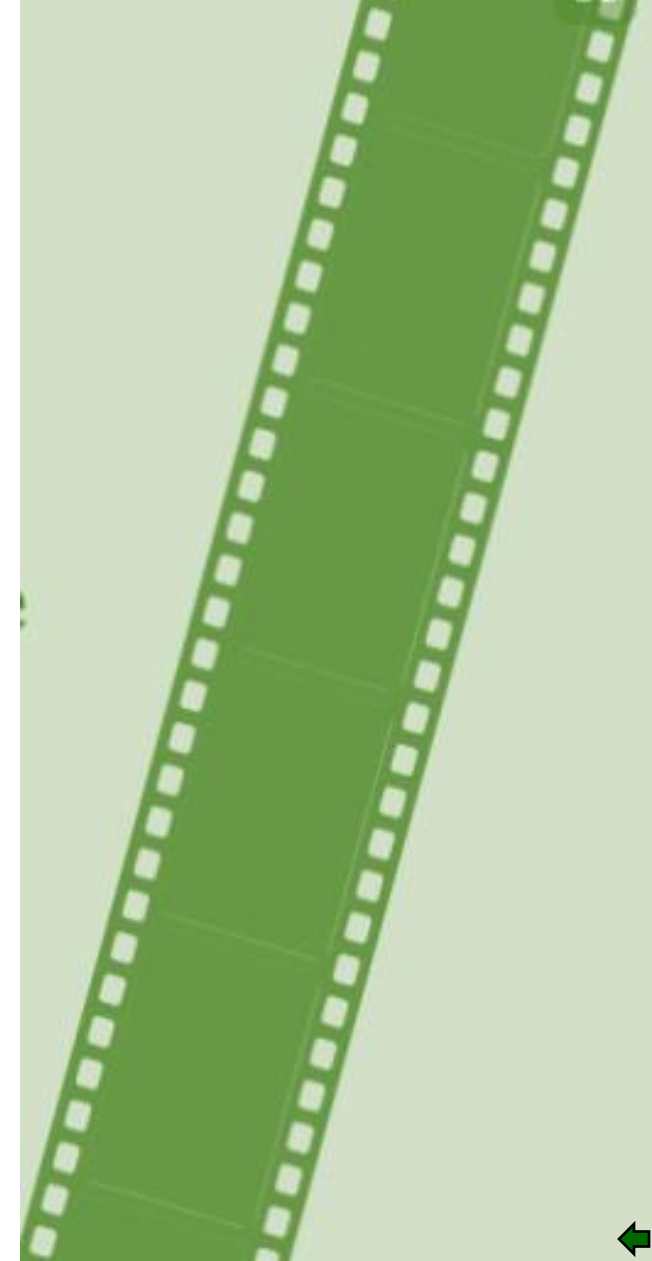


DOCUMENTARY ON ENVIRONMENT-RELATED ASPECTS FOR UPSTREAM HYDROCARBON SECTOR



Projecting an environment-friendly approach of upstream Oil & Gas Exploration and Production Activities.

To dispel the myths about upstream Oil & Gas Exploration and Production activities with regard to environmental damage.



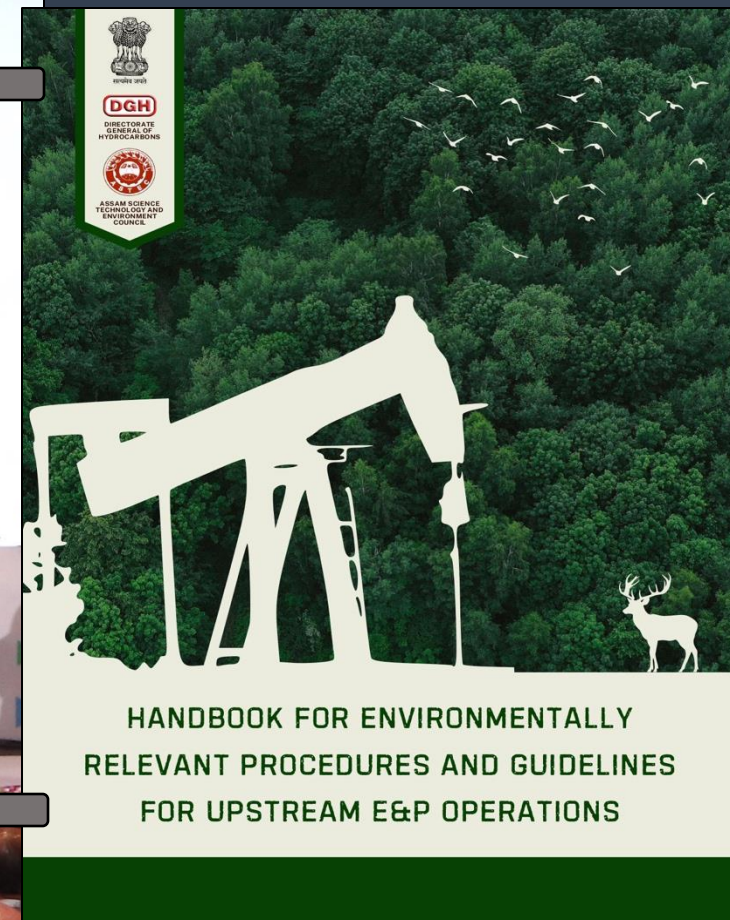
DEVELOPMENT OF URJA PRAGATI PORTAL

- Urja Pragati is an initiative taken by the Government of India for facilitating the upstream Hydrocarbon sector in fast tracking licenses and clearances by joint response action.
- This web-based initiative by DGH delivers tremendous advances in systems/business processes/procedures in the following manner
- ✓ Portal is set to act as a “one stop shop” for monitoring and tackling the bottlenecks in statutory (PEL/PML) and regulatory clearances (EC/FC/WLC/CTE/CTO), hence, maintaining the desired transparency, accountability and responsiveness in the ecosystem.
- The portal may be accessed from the URL “<https://petropragati.gov.in/>”

Interactive platform for achieving self-sufficiency in hydrocarbon sector by enhancing domestic production



The handbook titled “Handbook for environmentally relevant procedures and guidelines for upstream E&P operations” was launched by Hon'ble Minister of Petroleum and Natural Gas at UrjaVarta 2024 conclave



Guidelines for facilitating smooth processing of clearance proposals long with defining roles and responsibilities of different stakeholders in this cycle

NORTH-EAST HYDROCARBON VISION 2030

Doubling Oil & Gas production from mature fields by :

- Production enhancement contract (PEC)
- Deployment of new technology by NOCs.

- Improvement in availability of LPG
- Development of Gas Grid, CGD & CNG Highways
- Improve production of biofuels



Enhancing exploration activities

- Conversion of 2P to 1P reserves.
- Development of yet-to-find areas

- Development of service provider hubs in NER (Jorhat/Dibrugarh & Agartala)
- Challenging blocks in NER to be considered for increased timelines.