



ऑयल इंडिया
OIL INDIA



QUEST FOR **ENERGY**

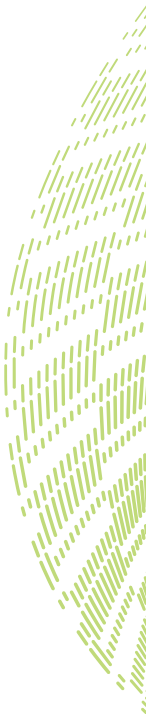
Corporate Brochure





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Vision

“ Be a leading and future ready integrated energy company committed to sustainable energy security of India through performance excellence. ”

Values



LEGACY

Building on OIL's hundred-year legacy, we strive to uphold our unwavering commitment to the nation's energy security.



INTEGRITY

Integrity is the cornerstone of our success. We aim to uphold the highest standards of ethical conduct while performing business activities.



SUSTAINABILITY

Envisioning a sustainable future, we commit to embracing Environmental, Social, and Governance (ESG) principles to drive positive change and foster long term value for our stakeholders, society, and the planet.



KNOWLEDGE

We value continuous learning and development and support our employees to become better and enhance their skills. We strive to invest in our employees to take our organization to the highest levels of success.



COMMITMENT

We are driven to ensure reliable and affordable energy for the country's growing energy security requirements through a performance-oriented approach and are committed to deliver superior value generation to our shareholders.



Profile

Oil India Limited (OIL), a Maharatna CPSE of the Government of India, is a fully integrated Exploration & Production company in the upstream sector. With its origin dating back to the glorious year of oil discovery in India in 1889, today, OIL is regarded as one of the leading CPSEs in the country creating value for all its stakeholders and contributing meaningfully towards India's indigenous basket of crude oil.

The story of OIL, being India's first National E&P Company, traces and symbolizes the growth and development of the Indian petroleum Industry. From the discovery of the crude oil in the far east of India at Digboi, Assam in 1889 to its present status as a fully integrated National Exploration and Production company with footprints across entire E&P value chain.

The strong legacy of technical proficiency in upstream hydrocarbon sector backed by a solid workforce of professional diligence, innovation and performance that has alleviated OIL to newer heights throughout its prolific journey of 64 years.

OIL has taken a leap of faith with total domestic operating acreage of more than 62,000 sq. km spread over areas in the states of Assam, Arunachal Pradesh, Mizoram, Tripura, Nagaland, Odisha, Andhra Pradesh & Rajasthan and offshore areas in Andaman, Kerala-Konkan & KG shallow waters. Aggressive exploration of the company led to a

new hydrocarbon discovery in Sesabil area in the Assam Shelf Basin and, which was also brought on continuous production. OIL is also aggressively pursuing its pre-drilling activities in 2 shallow Offshore OALP blocks in Andaman & Nicobar Islands and is taking all endeavours to make its foot hold in the Offshore.

OIL has made considerable improvement in its drilling performance to realise its aspirational target of Mission 4+ to achieve 4+ MMT crude oil and 5 BCM of natural gas annually. Owing to the growth in oil & gas production and improved price realization in FY 2022-23. OIL recorded the highest-ever turnover since inception and registered the highest-ever profit after tax (PAT) in the preceding financial year. The exploration efforts of OIL were recognised as it was bestowed with the prestigious FIPI (Federation of Indian Petroleum Industry) Awards 2022 "Exploration Company of the Year."

The crude oil pipeline network of OIL, including the trunk line of 1,157 km from Naharkatiya to Barauni serves as the "Crude oil lifeline" of the North-eastern region, connecting refineries with respective crude OIL sources.

OIL's material subsidiary, Numaligarh Refinery Limited (NRL), with its high growth trajectory, has established its position as a model business enterprise in the oil and gas industry of the country. It is a matter of great pride that NRL's most prestigious



project “The India-Bangladesh Friendship Pipeline” was commissioned during FY 2022-23 and inaugurated by the Hon’ble Prime Minister of India, Shri Narendra Modi and the Hon’ble Prime Minister of Bangladesh, Sheikh Hasina on 18th March 2023. NRL, with its eyes set on growth path, has embarked on a major integrated refinery expansion project to augment its capacity from 3 MTPA to 9 MTPA. OIL’s Net Zero commitment encompasses a range of initiatives, including adopting cleaner energy sources, investing in renewable energy projects and implementing advanced technologies to minimize greenhouse gas emissions for which about Rs. 25,000 Cr is envisaged to be invested by 2040. OIL’s efforts align with global sustainability

goals and contribute to India’s energy transition towards a greener future. By adopting innovative technologies, forging collaborations, and investing in renewable energy projects, Company is playing a vital role in India’s journey towards a low-carbon economy and a sustainable energy future.

OIL being a responsible corporate citizen is focused to take development beyond boundaries and be inclusive in its approach through a range of Corporate Social Responsibility initiatives for growth & development of local communities and region. Many successful CSR interventions in the key thrust areas of education, healthcare, environment, livelihood, sports, women empowerment, skill development, etc. have been implemented by OIL engaging with local communities for holistic development and ushering in sustainable social change.

The untiring efforts and contribution of dedicated workforce OIL was bestowed with the MAHARATNA status in FY 2023, the highest honour conferred to a Central Public Sector Enterprise (CPSE) in India. OIL has achieved this feat owing to its strong legacy of technical proficiency in upstream hydrocarbon sector and a workforce with professional diligence, innovation and performance that has alleviated the growth of the company to new heights.

With a new Vision of “Be a leading & future-ready integrated energy company committed to sustainable energy security of India through performance excellence” OIL is moving forward with new zeal to explore & conquer newer horizons for energy security for the nation.

OIL's Journey

2023

Awarded Maharatna Status

2022

Commissioned India's
1st Green Hydrogen
Pilot Plant in Assam



2021

Acquisition of
majority shares of
NRL



2020

Awarded E&P
Company of the
year by FIPI



2019

Awarded 12
blocks under
OALP bidding



2018

Awarded 9 blocks
under 1st round of
OALP bidding



2017

DSF Block Awarded
4 Gas under
CGD network



2016

Acquisition in
TYNGD and JSC
Vankorneft in Russia



2014

Acquisitions in Rovuma
Block in Mozambique

2012

Diversified into
Renewable



2010

Awarded
Navratna
Status



2000

IPO-Raised INR
2,777 Crore Listed
in Stock Exchange



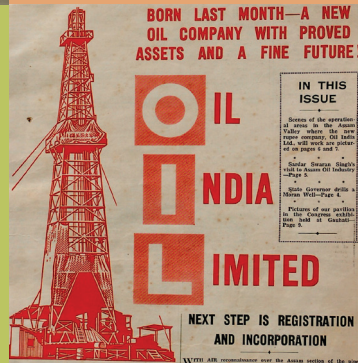
1999

First time
Participation in
NELP Completes 50
years



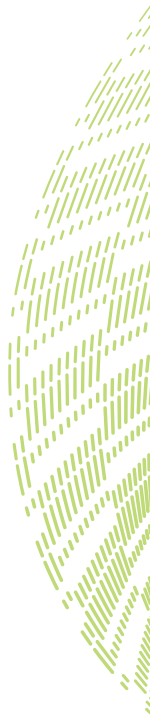
1981

Became wholly
owned Govt. of India
Enterprise



1959

Formed as a JV
With Burmah Oil
Company



Future Strategies



Achieving a turnover of 1 lac Crores in 3 years



Crude Oil: 4 MMT +, Natural Gas : 5 BCM +



NRL Capacity Augmentation: 3 MMT to 9 MMT, 1635 km Cross Country Pipeline, 360 KTPA Polypropylene Unit



2G Ethanol - 50 TMTPA & 20 KTPA plant with NRL



Pipeline integration through IGGL, NSPL, Duliajan-Digboi PL Upgradation



Enhance Presence in CGD Network, Setting up 25 CBG Plant, LNG Infra



Strategic Overseas Investment in collaboration with OVL



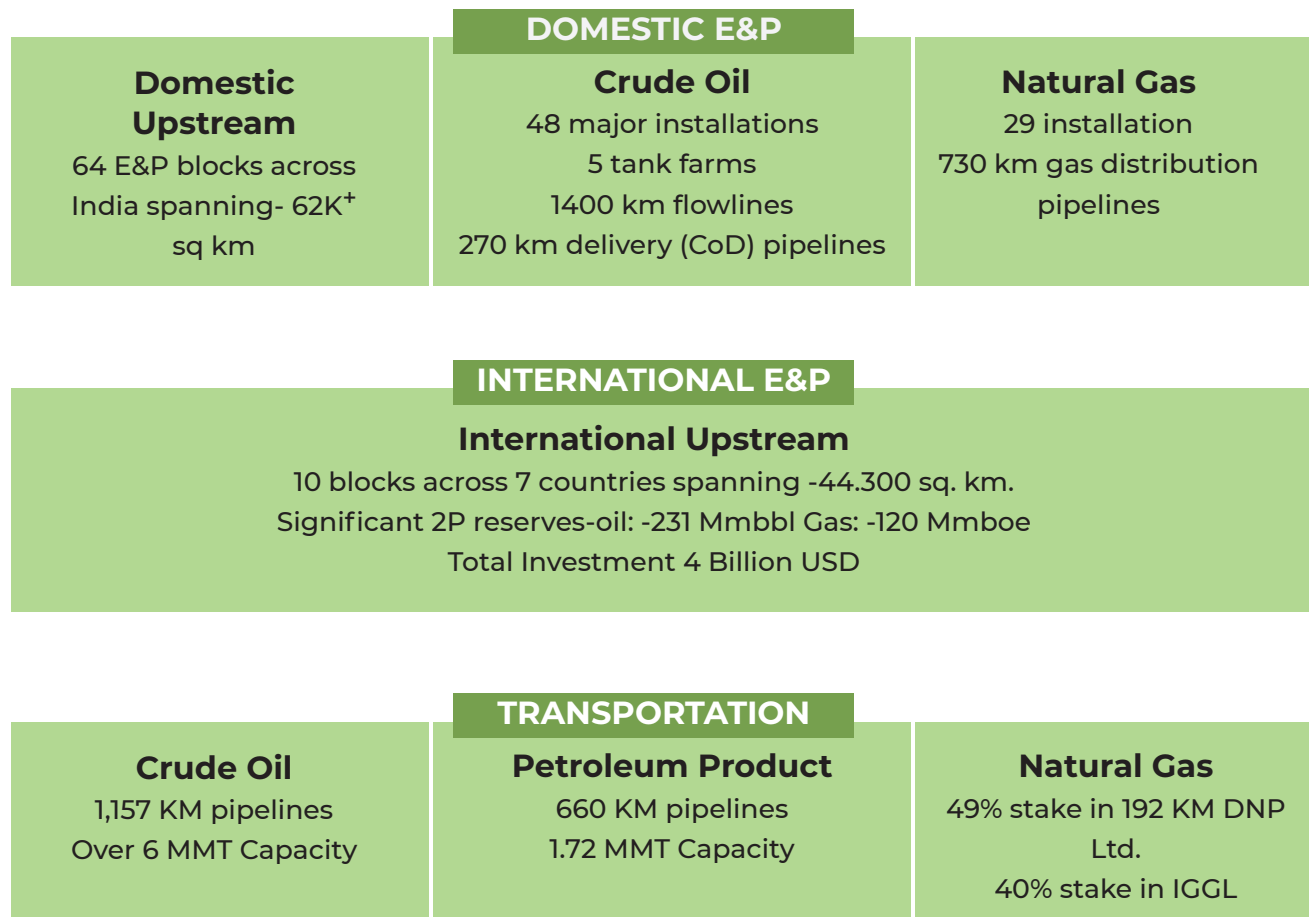
Net Zero by 2040 with Alternate Energy portfolio of 90:10 mix

OIL is committed to embark on its Maharatna journey with a renewed focus, brand and strong guiding values.

Portfolio – An Integrated Energy Company

Portfolio across oil and gas value chain

Oil India Ltd. is a diversified Energy Conglomerate with significant presence across the Energy value chain





DOWNSTREAM

Refining & Marketing

73.27% stake in NRL
5% stake in IOCL

Petrochemicals

48.79% stake in Assam
Petrochemicals Ltd
20% stake in BCPL

CGD

Presence in 7 GAS
50% stake in HPOIL
26% stake in PBGPL
49% stake in AGCL-OIL
JVC

RENEWABLE ENERGY

Solar Power

14 MW in Rajasthan

Wind Energy

174 MW in Rajasthan,
Gujarat & MP

Green Hydrogen

100 KG green hydrogen
pilot plant at Jorhat,
Rajasthan

2023

Maharatna
CPSE

2021

Acquisition
of NRL

2010

Navaratna
IPO

1981

CPSE Wholly Owned
GoI Enterprise

1953

Nahorkatiya
Discovery

1889

Digboi 1st Oil
Discovery

OIL's investment in the Energy sector



IndianOil

5%



NRL

73.27%



48.68%



10% OIL + 10% NRL



20% OIL + 20% NRL



50%



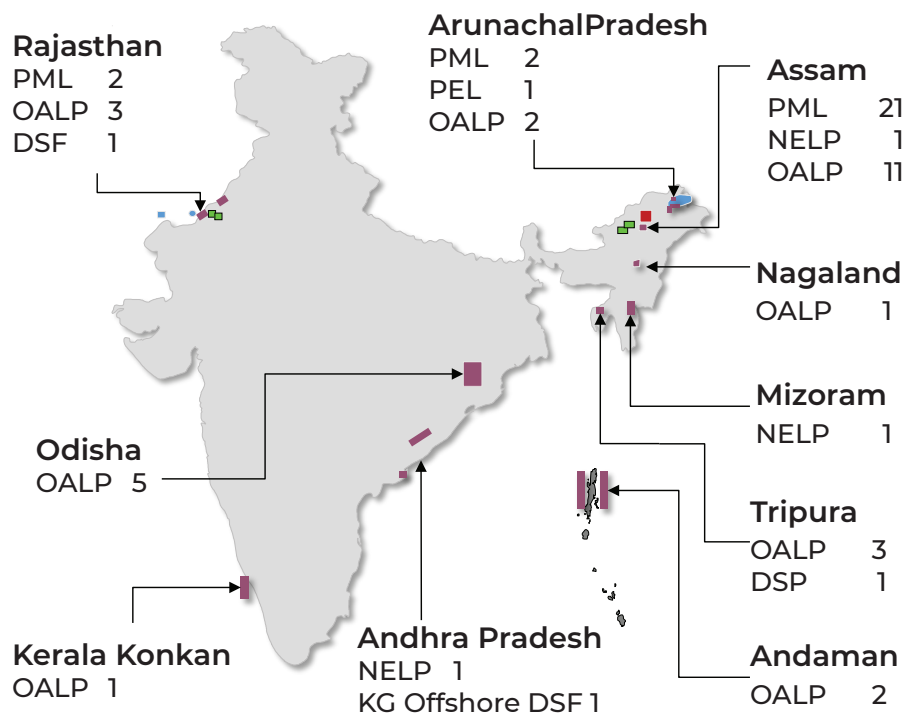
26%



23% OIL + 26% NRL

Domestic & Global Footprints

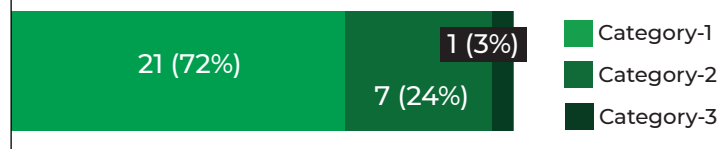
Domestic Assets



Opreating	No. of Blocks	Acreage (Sq Km)
PML (Nom)	25	4,821
PEL (Nom)	1	23
NELP	2	3,609
DSF	3	208
OALP	28	52,389
Total	59	61,050

5 Non-Opreating Blocks of 5,403 Sq.km

OALP block distribution



JVs include GeoEnpro (Kharsang producing @ ~ 20 MT oil per day) & HOEC (Dirok producing @ 1 MMSCMD gas & ~ 40 MT condensate)

Overseas Assets

- Presence in 7 Countries
- PI in 10 Projects
- Investment so far: 3 Bn USD
- Committed Investment: 4 Bn USD



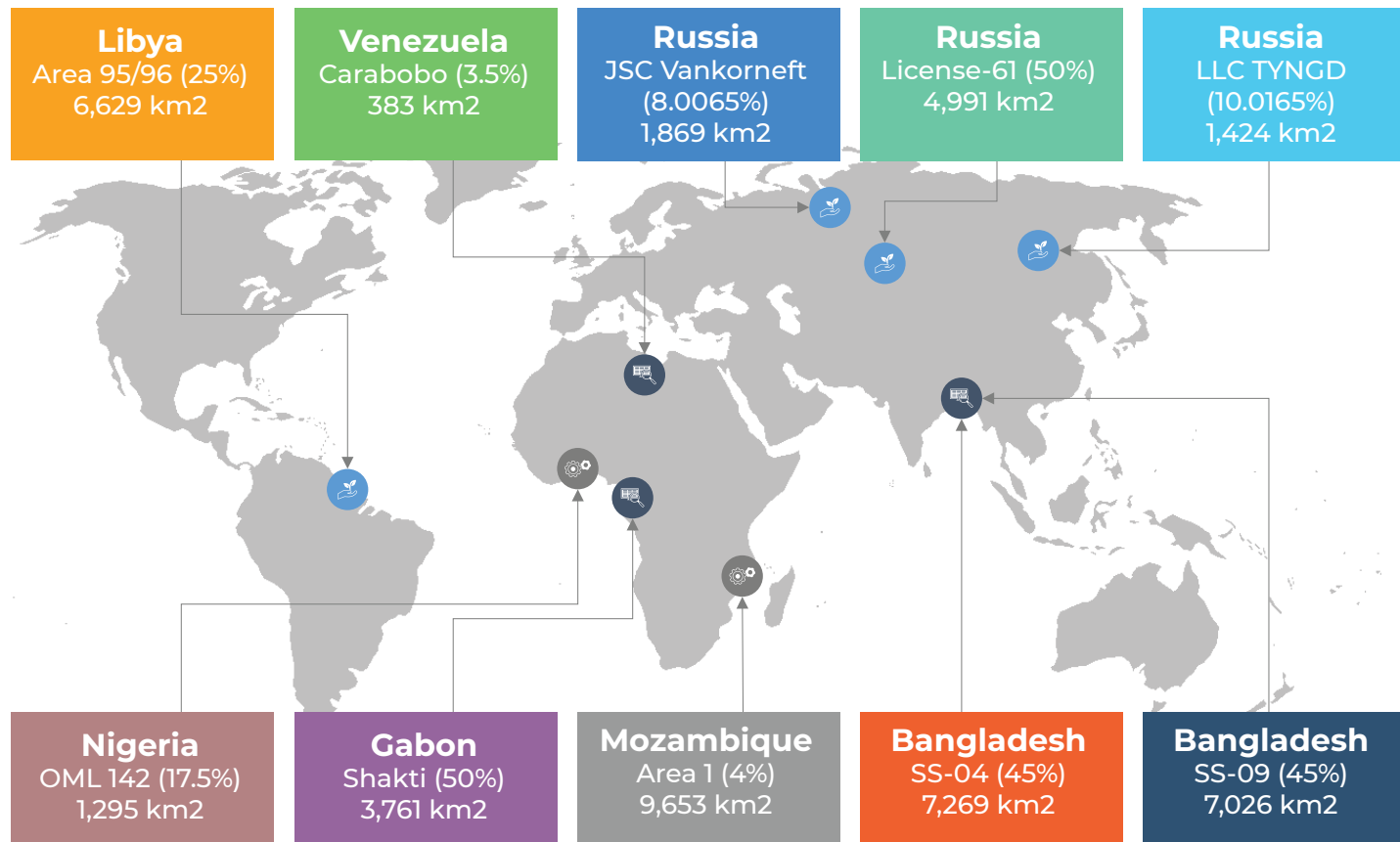
Exploratory Asset



Development Asset



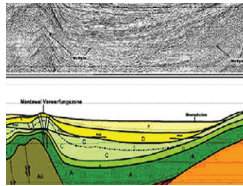
Producing Asset



Core E&P Capabilities of the Company

E&P In-House Capabilities

Vertically Integrated E&P Operations



Seismic API (2D and 3D)



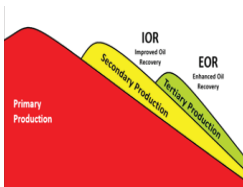
Drilling



Wireline Logging



Pipeline



IOR/EOR



Field/Reservoir Management

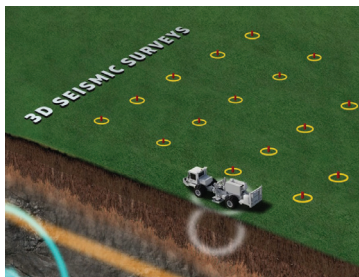


Field Development



Production

Infrastructure to Support E&P Activities



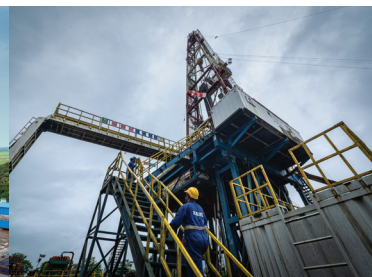
One 2D-in-house
One 3D Seismic crew-in-house



10 Logging units 6 in-house, 4 Charter Hire



28 Work-over Rigs 11 in-house, 17 Charter Hire



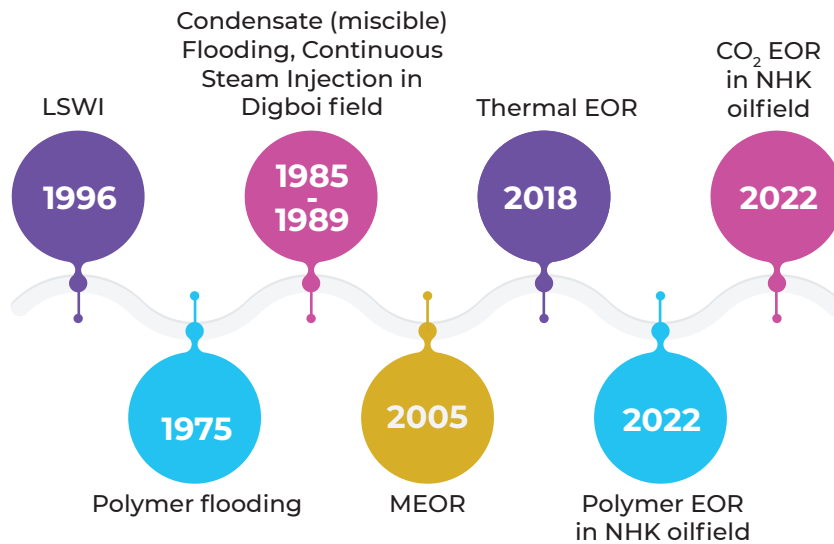
21 Drilling Rigs 10 in-house, 11 Charter Hire

Technology Induction for Enhancing Product

Name of Technology	Applicable Area
Hydrofrac	Assam
Plunger Lift	Assam
CSS	RF
TSM	Assam
Radial Drilling	Assam
Multilateral	Assam & AP
Commingled Production	Assam
Flow Assurance	Assam
MEOR	Assam & RF
EDH	RF
Hydraulic Pumps	RF
New Surface Facilities	Assam & AP
Propellant Stimulation	Assam



OIL's EOR Journey



Low Salinity Water Injection

- 32 Reservoirs, around 309 MMSKL of STOIP is subjected to LSWI (37% of total STOIP)
- Currently 18 reservoirs are under LSWI through 27 injection wells

Polymer Flooding in One Reservoir of Naharkatiya Oilfield

CO₂ Flooding in One Reservoir of Naharkatiya Oilfield

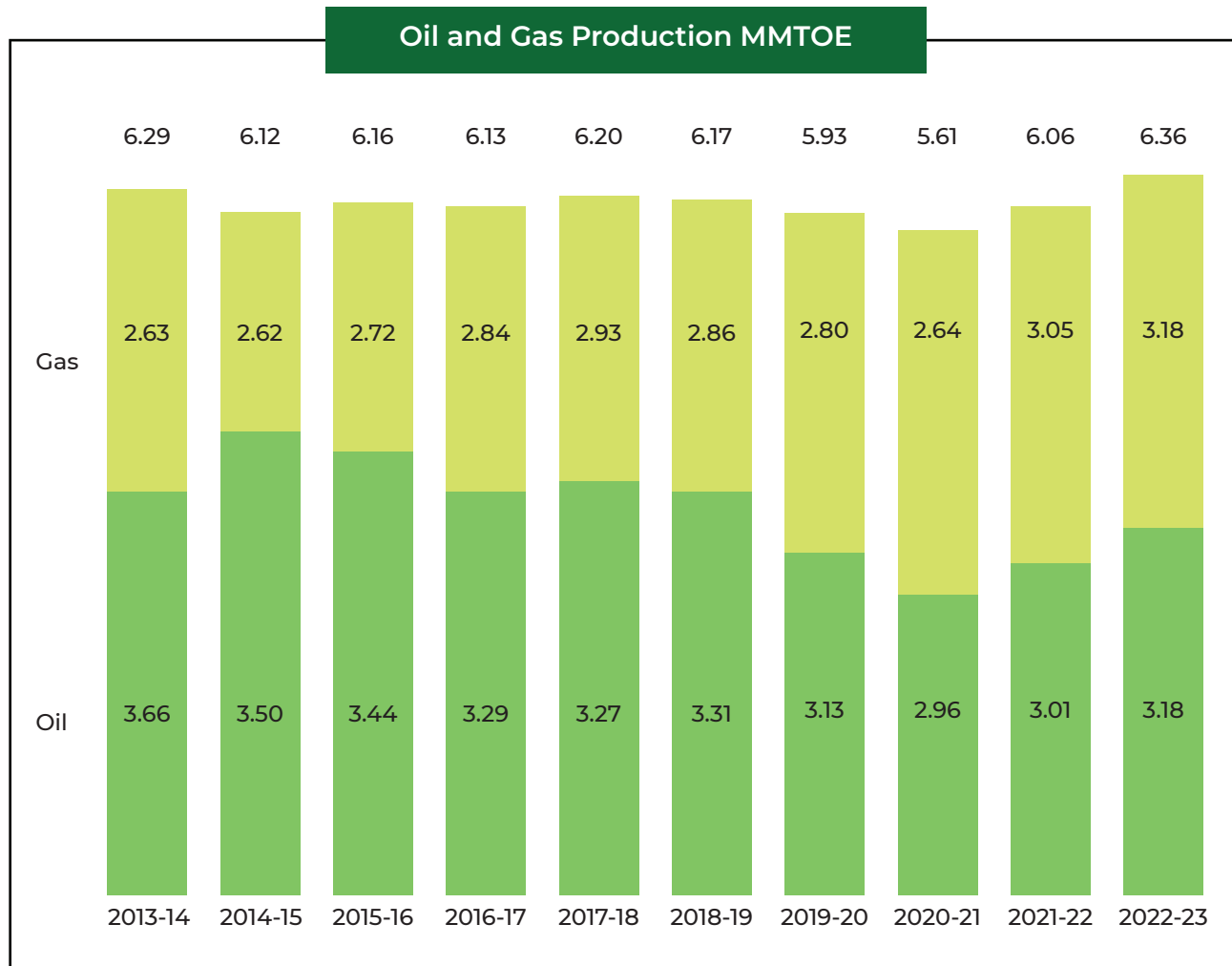
Carbonated Water Injection (CWI) in Dikom Oilfield

CSS in Rajasthan - First CSS Project in India and one of the deepest in world

Performance Highlights

Maintaining 3 MMTPA + Oil Production from Matured Field

Production highest in terms of MMTOE in last 10 years



Mission 4+

OIL's Breakthrough & ambitious near-term goal **4++ MMTPA Crude Oil & 5++ BCMPA Gas**

Oil India Ltd. has embarked on the journey towards "Mission 4 plus", i.e., the strategic vision to produce 4 MMT of crude oil & 5 BCM of gas in the coming years

By leveraging OIL's existing technological expertise

- Contributing ~10% of India's total oil and 8% of gas production
- 500+ wells under production
- 200+ surface facilities
- Pioneer in execution of various IOR/EOR schemes
- Low Sanity Water Injection (LSWI)
- Polymer Flooding
- CO₂ injection with CCUS
- Hydrofrac initiatives for 20 wells
- CSS for heavy oil Field in Rajasthan

And building on partnerships & new initiatives

- Collaboration with IOCs
- Production Enhancement Contracts
- Technology Sharing Models
- 75 + 75 deep wells to be drilled in two years
- Extended Reach and Deep Drilling for 4000+ meters
- Five fields identified for enhanced production
- Re-imaging & Re-mapping of Assam Shelf by 3D Seismic to target reservoirs up to 7000+ meters
- Oil & Gas Field Development & Surface Infrastructure augmentation



Growing Responsibly through ESG & Net Zero Commitments

At Oil India Limited, we uphold our commitment to Environmental, Social, and Governance (ESG) principles, which are deeply ingrained in our core values. As a responsible corporate citizen, we align our initiatives with the National Guidelines on Responsible Business Conduct (NGRBC) principles and the United Nations Sustainable Development Goals (SDGs) to ensure a sustainable and impactful approach to our business operations.









Envisioning a sustainable future, we commit to embracing environment, social and governance (esg) principles to drive positive change and foster long – term value for our stakeholders, society, and the planet.



Net Zero Strategy:

Oil India Limited (OIL) is fully committed to energy transition and becoming a net zero Company by the year 2040 in line with India's net zero pledge and the global efforts to combat climate change.

In pursuit of this ambition, measures such as energy efficiency, low carbon fuel switch, renewable energy, nature-based solutions and CCS are undertaken.

-  **Energy Efficiency**
-  **Natural Gas**
-  **Green Hydrogen**
-  **Renewables**
-  **CCUS/CCS**
-  **2G Ethanol**
-  **CBG / CGD**
-  **Mass Plantation**



Short-term roadmap to achieve 45% emission reduction by 2030*...



Energy Efficiency

- Transitioning to green buildings & vehicles
 - Rooftop solar generation



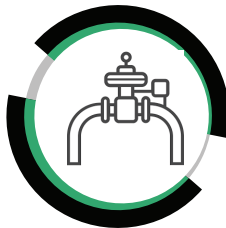
Creation of Carbon Sink

- Project Vasundhara
Additional 250K to be planted by 2025
- Mass plantation: ~80K saplings at abandoned well sites



Gas flaring

- Reduction of gas flaring
- Construction of Kumchai-Kusijan pipeline
 - Gas monetization and installation of additional compressors
- IGGL connection to mainland



City Gas Distribution

9 GAs

- PBGPL- 2 nos.
 - HPOIL-3 nos.
 - OIL-AGCL-3 nos.
 - BPCL - 1 no.
- 45% emission intensity reduction



2G Ethanol Plant

- Setting up 2G ethanol plant with NRL



Switch to CBG

- 25 CBG plants with NRL
- MoU with HPCL for technology
- Engagement with State Govt. of Assam, Odisha, Haryana, Himachal Pradesh

Long-term roadmap to achieve net-zero by 2040

Renewable Energy: 800 MW

- 645 MW solar in Assam (JV with APGCL)
- 150 MW solar plant in Himachal Pradesh
- MoU with NTPC for Renewable, Geothermal



CCUS

- Collaboration with BCPL for Carbonated Water Injection
- CO₂ injection for EOR
- MoU with M/s Linde for CO₂ sequestration
- Gas sweetening & Storage for Rajasthan field



Green Hydrogen

- Pilot Green Hydrogen Plant (Capacity: 100 KW) at Jorhat
- Hydrogen Fuel Cell e-Bus a Step towards Green Mobility
- 20 KTPA plant with NRL
- MoU with NTPC



CSR For Sustainable Community Engagement

The Company engages directly with the local communities in its area of operations and beyond, identifies their needs and implements projects based on that. The Corporate Social Responsibility Projects of the company are implemented primarily under the key thrust areas like Healthcare, Education, Skill Development, Sustainable Livelihood, Women Empowerment, Swachh Bharat Abhiyan (Drinking Water & Sanitation), Promotion of Rural Sports, Promotion of Art, Culture & Heritage and Environment sustainability, Relief & Rehabilitation among others.



HEALTH CARE
Arogya, Sparsha,
Health Infrastructure

EDUCATION DIKHYA
(Adult Literacy &
Computer Education),
OIL Super 30



SUSTAINABLE LIVELIHOOD
OIRDS, Rupantar,
Jeevika

SKILL DEVELOPMENT
Swabalamban,
Skill Development
Institute, Nursing School



Art, Culture & Heritage,
Sports, Infrastructure
Development,
Differently Abled

SUSTAINABLE ENVIRONMENT



OIL has invested more than 100% of the allocated CSR budget annually and spent more than Rs. 600 crore in various CSR activities in last five years

OIL SNEH (Startup Nurturing and Holding)

Catapulted in 2016 with the “Startup India” movement, OIL’s SNEH (Startup Nurturing and Holding) program has matured in leaps and bound and has now completed its 7th phase of Startup induction. With a sector agnostic approach, OIL has a portfolio of Startups to solve business problems in multiple sectors. The agglomerate consists of Startups delivering solutions to oil & gas industry, battery components recycling, mobility solutions with hydrogen as fuel, app based fuel delivery, robotics, carbon capture, effluent treatment & bio technology.



OIL supported Startup Beta Tanks Robotics and Caliche won the Best Startup awards at IEW (India Energy Week) 2023. Startup Mini Mines was the winner of the FLCTD (Facility for Low Carbon Technology Deployment) Accelerator program 4, for providing a sustainable and efficient Lithium-ion battery recycling clean-tech solution. The same Startup is also selected for ANIC-AIM 2.0 grant (Atal New India Challenge is a flagship program of Atal Innovation Mission, NITI Aayog.)



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