



IndianOil



The Rise & Rise of IndianOil

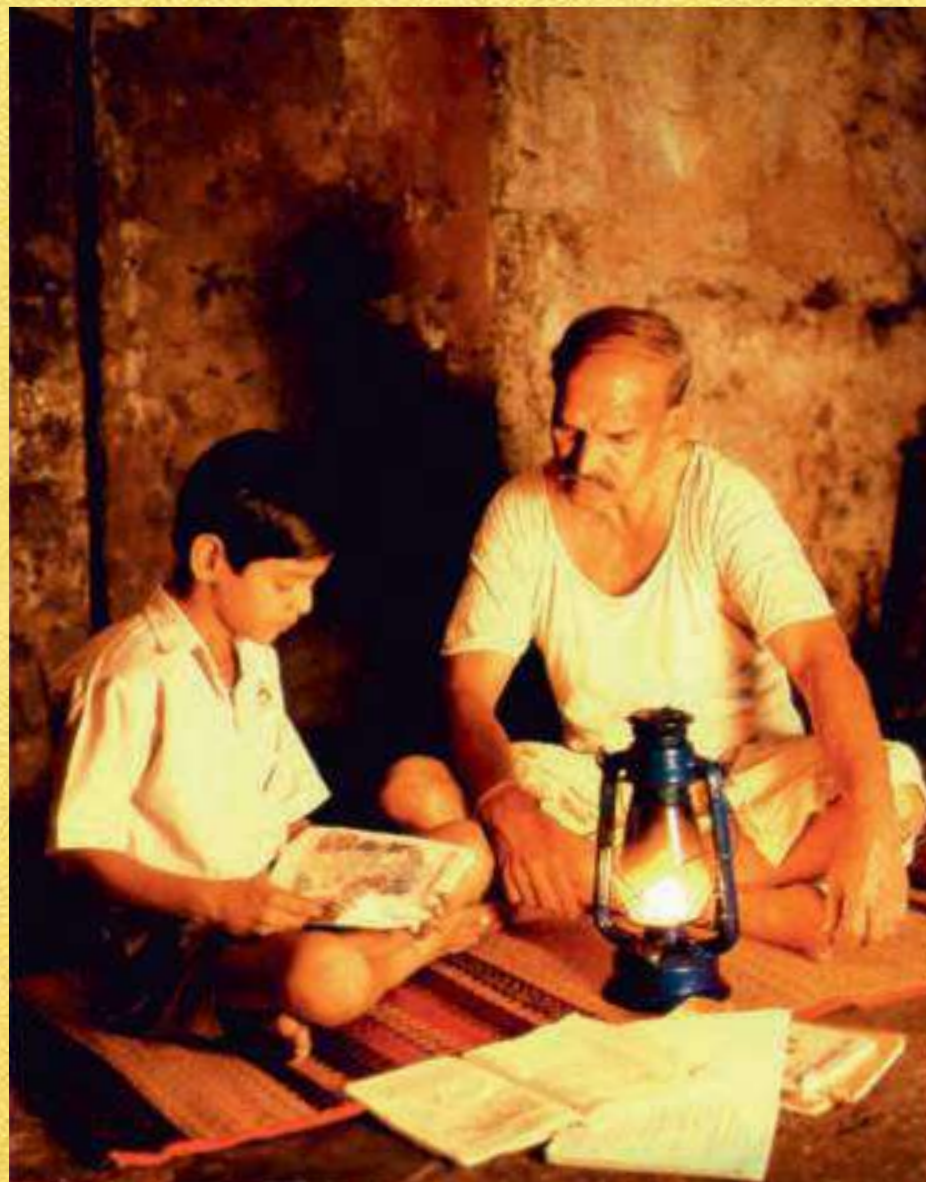
Etching History since 1959...



The Beginning of an Era!

From humble beginnings to indelible imprints across the hydrocarbon value chain, IndianOil has been standing tall and serving the nation for over six decades now. This book brings to you various milestones of IndianOil, from 1959 to August 2022, that today stand as benchmarks and testimony to the Indian oil and gas industry. Experience IndianOil's glorious journey!

INDIA INSPIRED



Sometimes, the absence of light can ignite
the desire to burn the brightest.

Just like that in a remote village, a child's innocent
dream became our greatest inspiration.

Deep in the heart of India, beyond
the reach of tarred roads and even
electricity, a dream flickers and takes
shape. A dream fuelled by a driving
desire to succeed.

To change one's fate and to
bring back the promise of a
better tomorrow to a place
that had none. And it is this
innocent dream that serves as
an inspiration to us at
IndianOil. After all, we
believe we are only as
successful as the people we
serve and the lives we
nurture. Since inception in
1959, we at IndianOil have
constantly taken on the challenges head
on to achieve beyond the realms of
ordinary. Our vision to be 'The Energy
of India' and to emerge as 'a globally



admired company' makes each of our
achievements merely a milestone, not a
destination. To reaffirm, we are not
running a stint but a marathon!

Flourishing in the hearts and minds of
every Indian even after five
successful decades, the fire to
light up the life of a lonely
driver on a dark highway still
keeps us passionately driven.
From the freezing peaks of
Kargil to the backwaters of
Kerala, from Kutch to
Kohima, there's one face of
India that aims to cheers
millions: IndianOil. Today, as
we celebrate our milestones, we

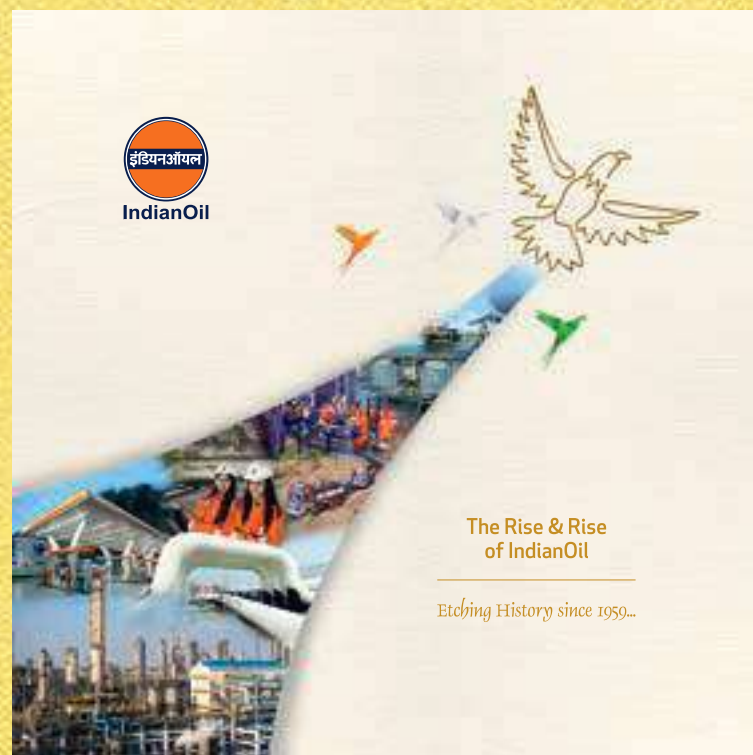
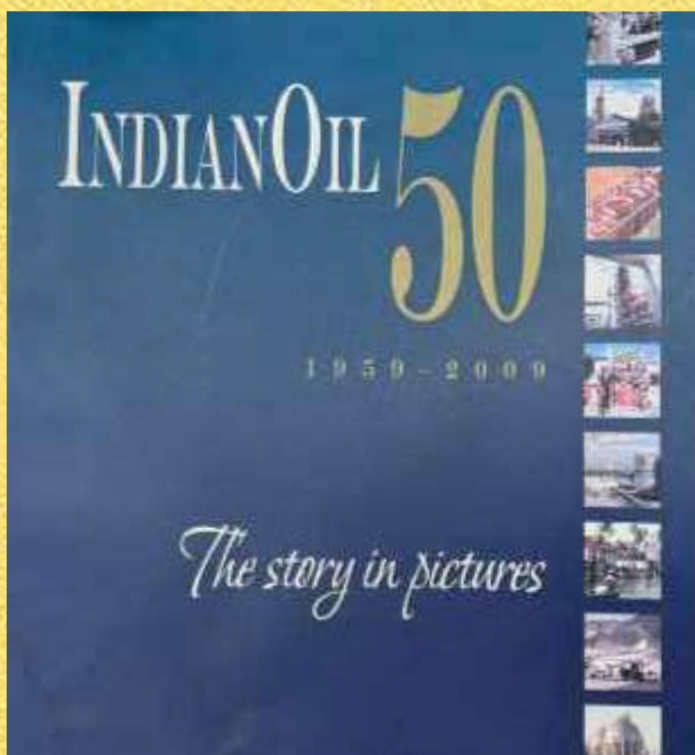
owe our aspirations and ambitions to every
Indian who has inspired us along the way.
We dedicate these years of learning
to the humble dream.



INDIAN OIL

A Preferred Indian Brand since six decades

THE MILESTONES IN PICTURES



IndianOil celebrated completion of 50 glorious years in the year 2009. A Coffee Table Book commemorating the occasion was released highlighting the milestones of IndianOil till 2009. This Coffee Table Book is IndianOil's journey from 1959 to 2022. The company that has taken a flight and spread its wings across the hydrocarbon sector and beyond. From being an oil company to a socially responsible corporate committed to achieve net-zero emissions by the year 2046, IndianOil is here to stay and would continue leaving indelible imprints on its onward journey!





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by

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Corporate Office
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Standing Tall Today!

IndianOil – In Every Heart, In Every Part

- IndianOil has been serving the nation for over six decades now. With the belief of being '*Pehle Indian, Phir Oil*', IndianOil has always stood by the nation even at the most devastating times. The Corporation not only kept the nation on the move each day but went beyond its official call of duty whenever a need was felt.
- IndianOil has always been a futuristic organisation. Projects worth more than Rs. 1 Lakh crore are in various stages of implementation. These mega projects would enhance the installed group refining capacity of the corporation from current 80.55 Million Metric Tonnes Per Annum (MMTPA) to an estimated 107 MMTPA by the year 2024-25.
- IndianOil addresses the energy needs of millions of people daily through its vast network of almost 60000 customer touch points which includes fuel stations, bulk storage terminals, inland depots, aviation fuel stations, LPG bottling plants, lube blending plants.
- IndianOil continues to be the market leader with 40.8% market share in India.
- The Corporation manages one of the world's largest petroleum pipeline networks, i.e., over 15000 Km. As the corporation looks ahead, investments worth Rs. 17.703 crore have already been approved.
- In its relentless pursuit of innovation, empowered by IndianOil R&D, IndianOil is diversifying into emerging sectors such as nano-technology, solar, bio-energy, hydrogen, fuel cell and energy storage. The Corporation currently holds a portfolio of 1519 patents.
- IndianOil is the second largest player in India's petrochemical market with a capacity of around 3.2 MMT. With various projects in the pipeline at Gujarat, Barauni, Panipat and Paradip Refineries, the present Petrochemical Intensity Index (PII) of about 5% will go up to 7% by 2025 and 15% by 2030.
- The Corporation is the second largest player in the RLNG market in India and is strengthening its position across the natural gas value chain by scaling up LNG sourcing, strengthening import terminals, pipelines and city gas distribution networks and providing 'LNG at the Doorstep' service to customers.
- IndianOil is one of the largest manufacturers of cryogenic containers in the country.
- IndianOil has been undertaking exploration and production activities both within and outside the country in collaboration with consortium partners to enhance our upstream integration. The Corporation holds Participating Interest (PI) ranging from 20% up to 100% in 9 domestic and 11 overseas oil and gas assets in partnership with various domestic and international companies.
- The Corporation is leading the implementation of SATAT (Sustainable Alternative Towards Affordable Transportation) scheme of Government of India. IndianOil is the first Indian company to start the sale of CBG under the brand name 'IndiGreen'.
- IndianOil is enabling 2G and 3G sources, with appropriate use of modern technology to set up state-of-the-art 2G and 3G plants in line with the government directives of 20% ethanol blending by 2025, apart from the conventional 1G route.
- In electric mobility, the Corporation has collaborated with Israeli company, Phinergy Limited and formed 'IOC Phinergy Private Limited' (IOP), for commercialisation of aluminium – air battery technology in India. The Company has already installed 2145 EV charging stations and would install 10,000 in the next three years.
- Being a socially responsible Corporation, IndianOil continues to make a difference to the society in its thrust areas of Health and Nutrition, Women Empowerment, Environment Sustainability, Animal Welfare, Rural Development, Skill Development, Art and Culture and Education.



For the People

IndianOil slowly and steadily rose to a position of leadership with its ubiquitous presence and its diligence to make a mark in the lives of the citizens of India. For over six decades now, the company contributed to the growth of the nation, relying on our inherent strengths and innovations to reset industry benchmarks time and again.

Every milestone of our existence heralded new opportunities as we continued to broaden the scope of our operations. Our strong desire to establish a visionary brand, allowed us to adapt and change with time, consistently crating value for our stakeholders.

Over the years, IndianOil has reached out to customer in every corner of the country. With rapid advances in our operational methods, we have strengthened our pipeline network, diversified into sustainable products, supported social endeavours and have ensured stellar business performance year after year bearing testimony to the immense potential of a truly global organisation.





1964

Indian Refineries Ltd. merged with Indian Oil Co. Ltd. and renamed as Indian Oil Corporation Limited

IndianOil enters aviation business; first supply to IAF

First product pipeline commissioned



1965

Barauni Refinery commissioned

IndianOil Aviation enters civil aviation

Indane Cooking Gas launched in Calcutta (Kolkata)



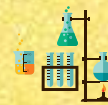
1966

Gujarat Refinery dedicated to the nation



1969

Madras Refineries Ltd. (JV) commissioned



1972

IndianOil R&D Centre established

SERVO, the first indigenous lubricant brand launched



1995

IndianOil shares listed on BSE

IndianOil Institute of Petroleum Managment (IIPM) inaugurated at Gurgaon



1993

Indias first Hydrocracker commissioned at Gujarat (Koyali) Refinery



1982

Mathura Refinery commissioned



1981

Assam Oil Company Limited merged with IndianOil



1975

Worlds highest altitude fuel station comes up at Leh

Haldia Refinery commissioned



2009

Amalgamation of Bongaigaon Refinery with IndianOil

Indias first solar energy station at Puri



2010

IndianOil gets Maharatna status

Panipat Naphtha Cracker goes on-stream strengthening IndianOils petrochemical presence

Petrochemical Brand PROPEL launched



2012

20000th fuel station commissioned



2016

Paradip Refinery commissioned

100th AFS at Rourkela



2020

IndianOil leads pan-India rollout of BS-VI fuels

CBG retailing begins under IndiGreen brand

India's first 100 Octane petrol XP100 and value added Indane XtraTej launched

30000th fuel station commissioned

H-CNG



2021

INDMAX unit at Bongaigaon Refinery dedicated to the nation

Ramanathapuram – Thoothukudi Natural Gas Pipeline commissioned

First batch of 10% Ethanol Blended Motor Spirit transported from Bongaigaon Refinery

One – Horned Rhino adopted as Brand Mascot

IndianOil became the first Public Sector Enterprise to induct 9 women hockey players onto its rolls



2022

Guwahati Refinery completes 60 years

IndianOil R&D Centre and Bongaigaon Refinery complete 50 years

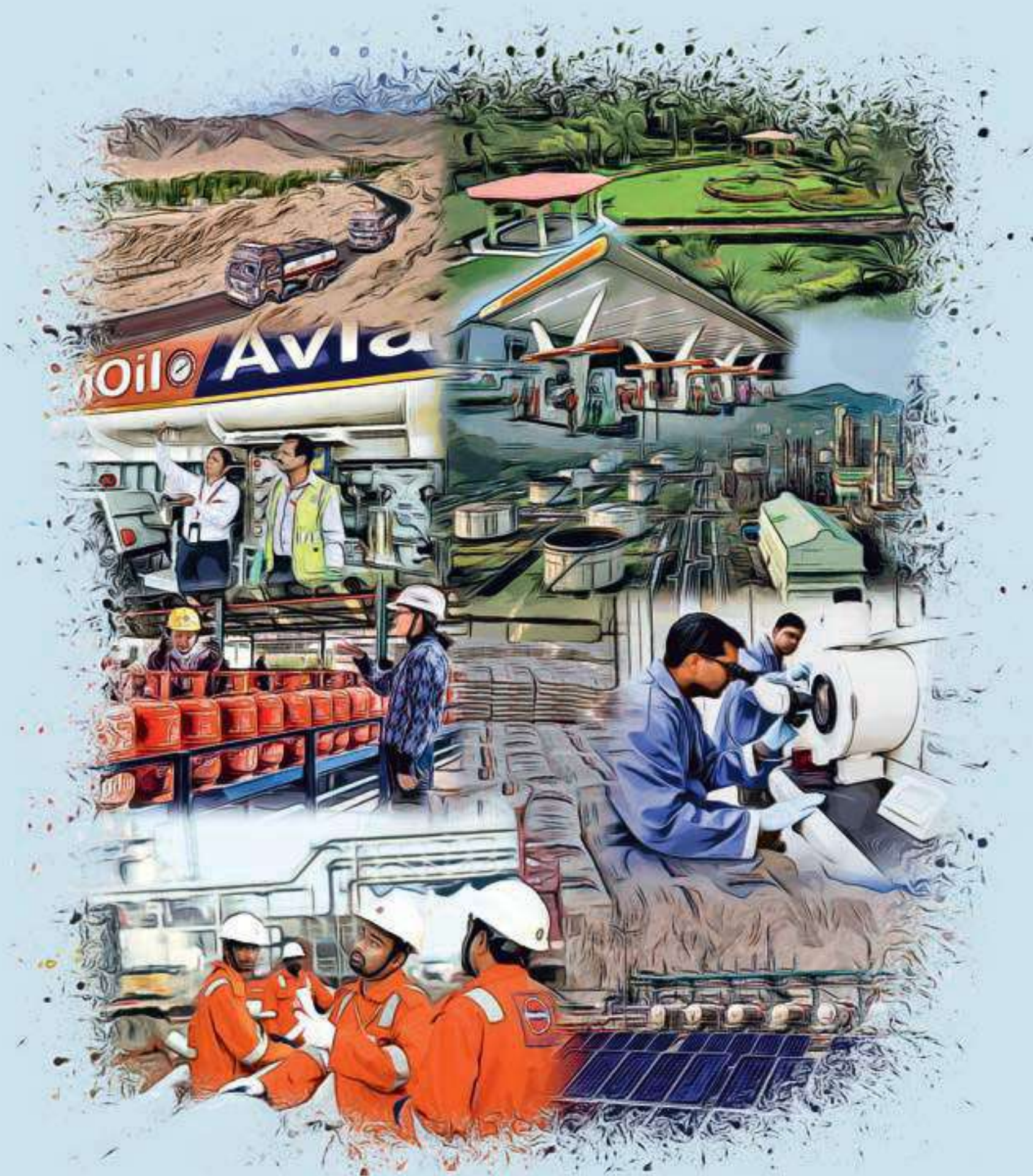
SERVO Brand completes 50 years

Dahej-Koyali Natural Gas Pipeline commissioned

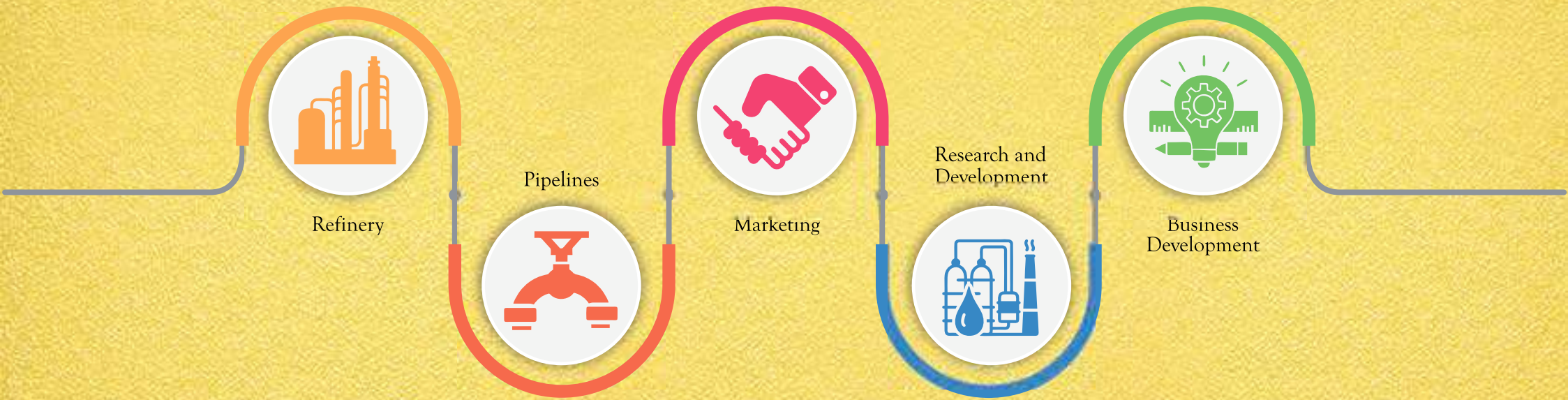
IndianOil inks MoU with NTCA for transcontinental relocation of 'Cheetah'

IndianOil committed to achieve Net-Zero emissions by the year 2046





5 Pillars and Growing



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Indian Oil @ 63

A Journey in Pictures

"Oil, everyone knows, is of vast importance in the world today. A country that does not produce its own oil is in a weak position from the point of view of defence, the absence of oil is a fatal weakness"

Statement of Prime Minister Jawaharlal Nehru
in the Parliament, on 26 May, 1956

The Inception & Formation of Indian Oil Corporation Limited

The story of the petroleum industry in India can be traced to the world's oldest and huge running refinery, at Digboi, in Assam. Set up in 1901, it had a modest refining capacity of 25,000 metric tonnes per annum (MTPA). Prior to this, kerosene was imported into the country in the 1860s, mainly for purpose of illumination.

In the pre Independence Indian economy, the public sector had a minimal presence. And as years passed by, the demand for petroleum exceeded the supply capacity of Digboi. This created a huge gap that was bridged by the help of foreign companies conducting their operations in India. These included giants like Burmah Oil Company, Stanvac, Burmah Shell, Caltex and Indo-Burma Petroleum Company. On the eve of Independence, the oil industry was led by these international companies.

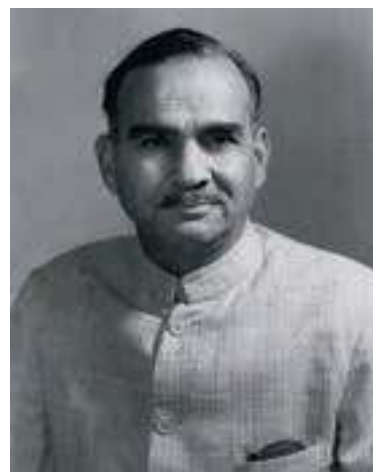
Following Independence, the Indian leadership firmly believed that political sovereignty without economic self-reliance was unfeasible. The public sector was assigned the dominant role to power the rapid industrialization and growth

of the nascent nation. This was reflected in the provisions of the New Industrial Policy Resolution of 1956, and the Second Five Year Plan (1956-61).

Pandit Jawaharlal Nehru, the first Prime Minister, envisioned the nation to be self-reliant in the strategic petroleum sector proving to be crucial in the development of a new and confident India.

The foundations of an indigenous petroleum industry were laid in the 1950s and '60s. Having formed the Oil & Natural Gas Commission in 1956

for undertaking upstream activities of oil exploration & production, Keshav Dev Malaviya, widely respected as the father of the petroleum industry in India, focused his attention on the downstream refining and marketing sector.



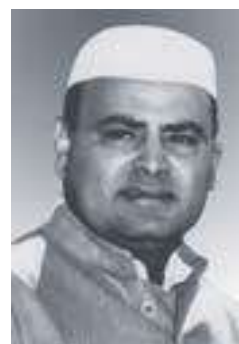


KD Malaviya (seated on left), Minister for Mines and Fuel, Government of India, and Mihail Florescu, Minister for Oil and Chemicals Industry, Romania, sign an agreement in Bucharest for setting up a wholly Government-owned refinery of 0.75 million tonnes per annum capacity in Assam (October, 1958)

At that time, four private refineries, of Burmah Oil Company (Digboi), Burmah Shell (Mumbai), Esso Standard (Mumbai) and Caltex (Visakhapatnam) were operational.



Indian Refineries Ltd (IRL) was established in August 1958, as a 100 per cent Government-owned company to erect refineries and lay petroleum pipelines. IRL's office in 'The Link' House at New Delhi.



Feroze Gandhi, the first Chairman of Indian Refineries Ltd.

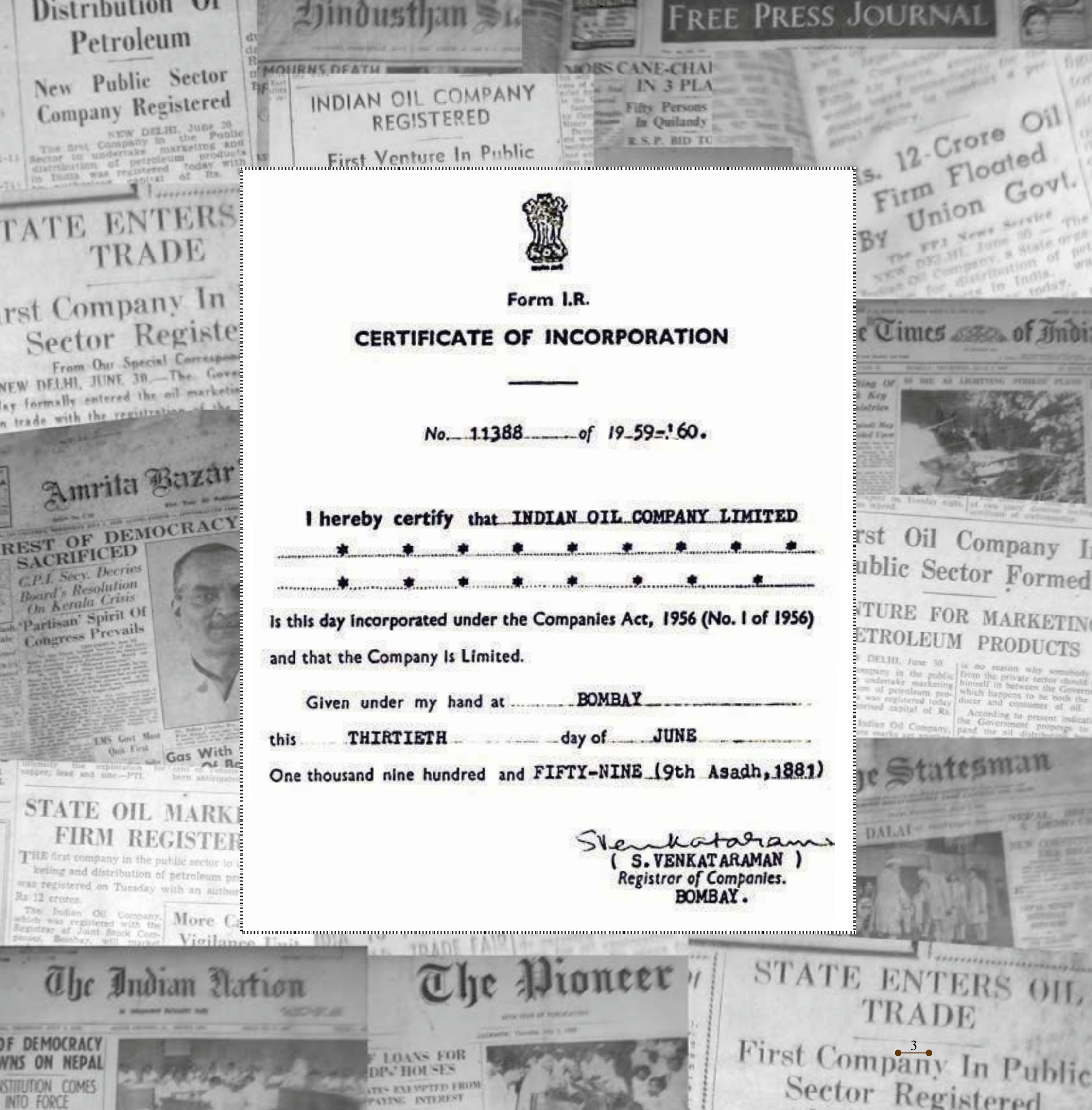


S Nijalingappa, the first Chairman of Indian Oil Company.

Indian Oil Company Ltd, another 100 per cent Government owned enterprise, was formed on 30th June 1959.

To begin with, it was entrusted with the task of supplying petroleum products to all Government organisations, all over the country. It had to establish adequate storage and distribution facilities, and undertake imports, as required.

The company was to receive and market products of the two public sector refineries being set up by IRL at Guwahati and Barauni.



Form I.R.

CERTIFICATE OF INCORPORATION

No. 11388 of 19-59-'60.

I hereby certify that INDIAN OIL COMPANY LIMITED

Is this day incorporated under the Companies Act, 1956 (No. 1 of 1956)
and that the Company is Limited.

Given under my hand at BOMBAY

this THIRTIETH day of JUNE

One thousand nine hundred and FIFTY-NINE (9th Asadh, 1881)

S. Venkataraman
(S. VENKATARAMAN)
Registrar of Companies.
BOMBAY.



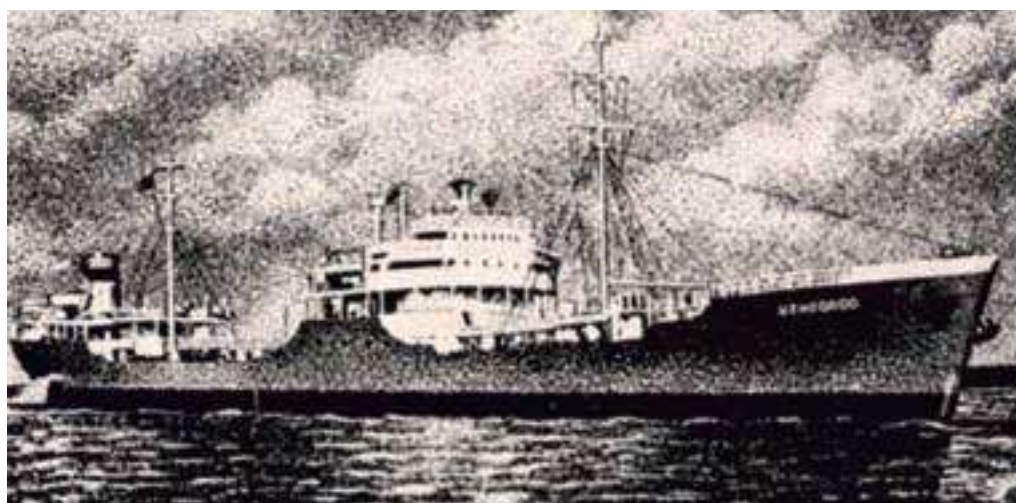
Steel pipes weighing 12,000 tonnes were supplied by the Rourkela plant of Hindustan Steel Ltd., the first public sector integrated steel mill set up in 1959.

The 435-km pipeline traversed 25 railway bridges, and 29 submerged crossings, as it rambled through the blue hills of northeast India. It was to a large extent executed manually, with very limited resources and in extreme conditions.



Indian Oil Company was born as a Rs. 12 crore venture.

The registered office of Indian Oil Company had its origin in 'a pigeon-hole like office' in Botawala Chambers on Pherozeshah Mehta Road, Mumbai. In 1960, to decentralise operations, four branch offices, one each at Mumbai, Delhi, Chennai and Patna, were opened.



Following an agreement signed by Indian Oil Company with Soyuznefte exports of USSR for import of kerosene and diesel, the Soviet tanker MV *Uzhgorod* delivered the first parcel of 11,390 tonnes of diesel, at Pir Pau jetty in Mumbai on 17th August 1960. With this merchandise, the Company announced its entry into the Indian petroleum market.



B Arora, the first Managing Director of Indian Oil Company, opens the valve to commence the supply of the first cargo of 'red oil' from the MV *Uzhgorod*. Following the company's entry into the market, foreign oil majors were compelled to reduce the price of diesel for bulk users by as much as Rs. 8.80 to Rs. 35.00 per kl.

Antop Hill installation in Mumbai was taken over from the Indian Army for launching marketing operations (1960). Picture shows Tank No. 1, which in those days was camouflaged with grass on top.

Indian Oil Company began with just three oil installations, transferred to it from the defence services. The other two were at Willingdon Island, in Kerala, and Visakhapatnam, in Andhra Pradesh. Soon, an unprecedented array of installations sprang up.

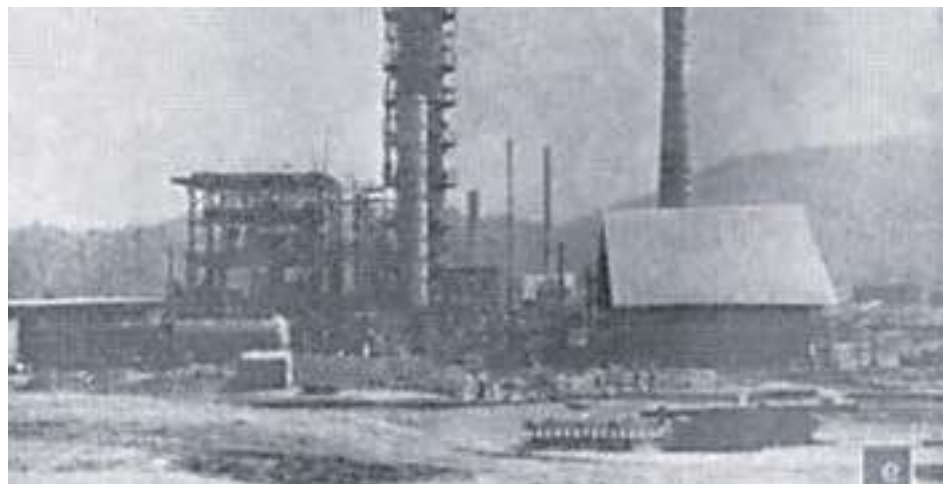


Commissioning of the first major coastal terminal at Kandla (August, 1961). Fifty depots across the country, including at Kochi, Kolkata, and Siliguri, were introduced in the first phase.

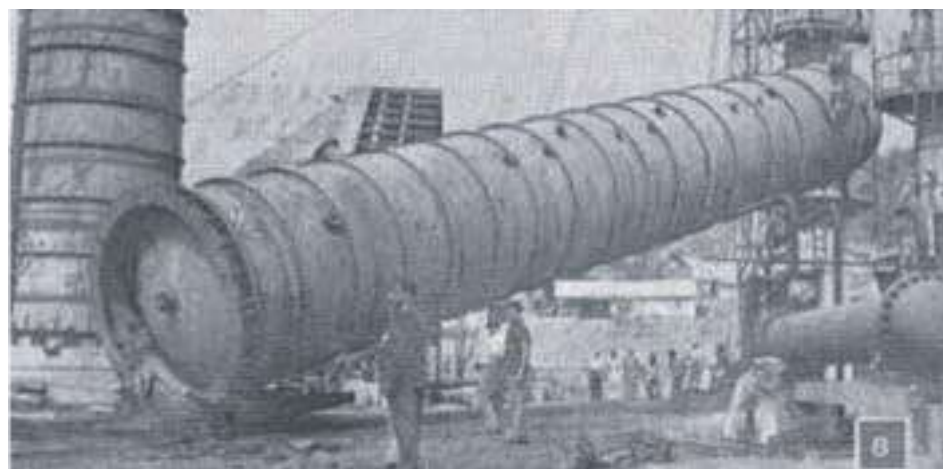




Work in progress, with Romanian collaboration, on IRL's first establishment, at Noonmati, near Guwahati, in Assam (1960). The site was chosen based on new discoveries of crude oil in the region, at Nahorkatiya (1953) and Moran (1956).



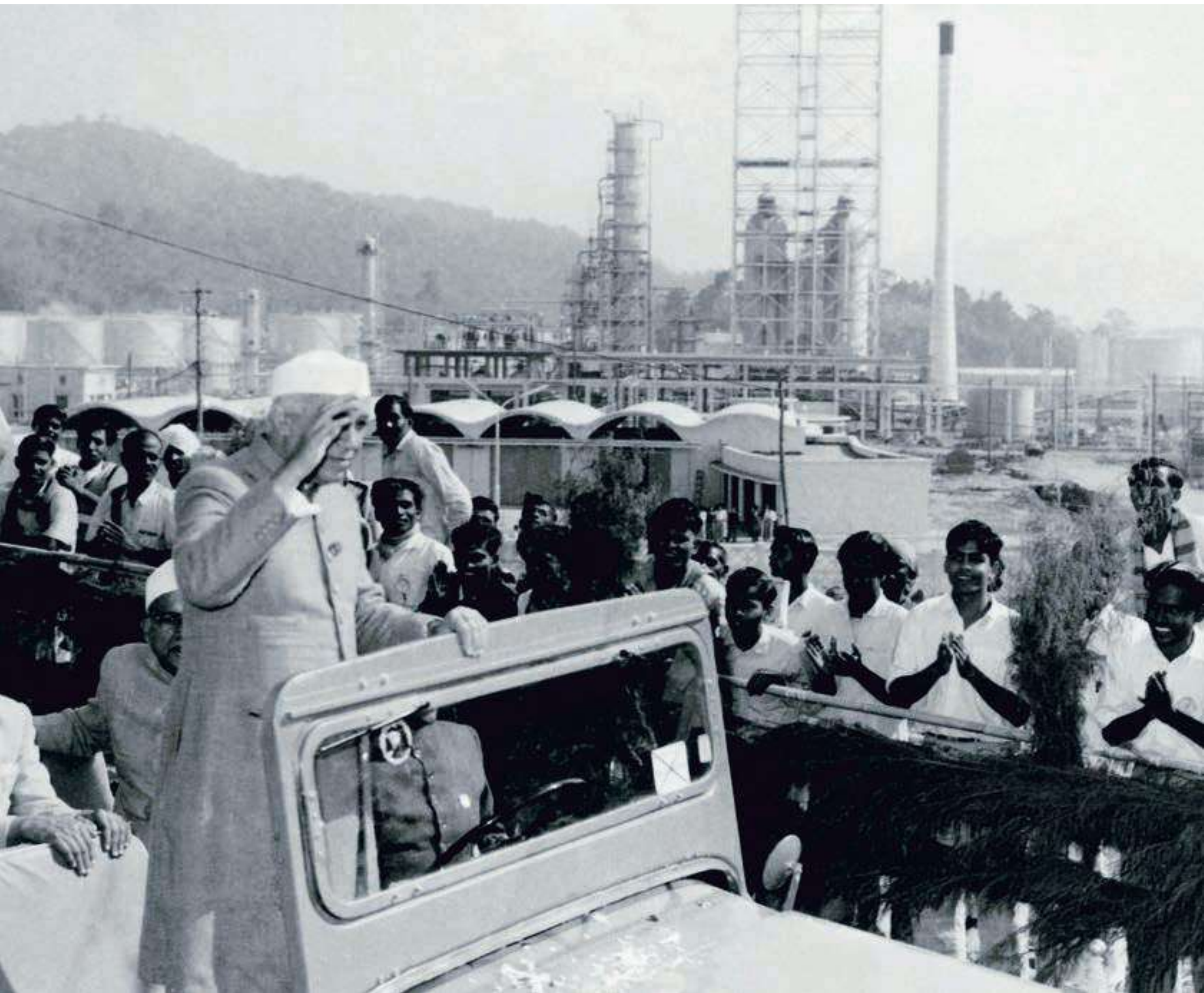
The technology was very complex and the work involved was of a magnitude unheard of till then. According to an observer, "except for sand and cement, everything else had to be brought from Romania, including manholes." Despite this, the refinery was commissioned nine days ahead of schedule.



TRIVIA BEHIND THE SCENES

Power of Cooperatives in last mile delivery. A Fisherman's Cooperative in Bombay with an IndianOil Pump to serve its members.



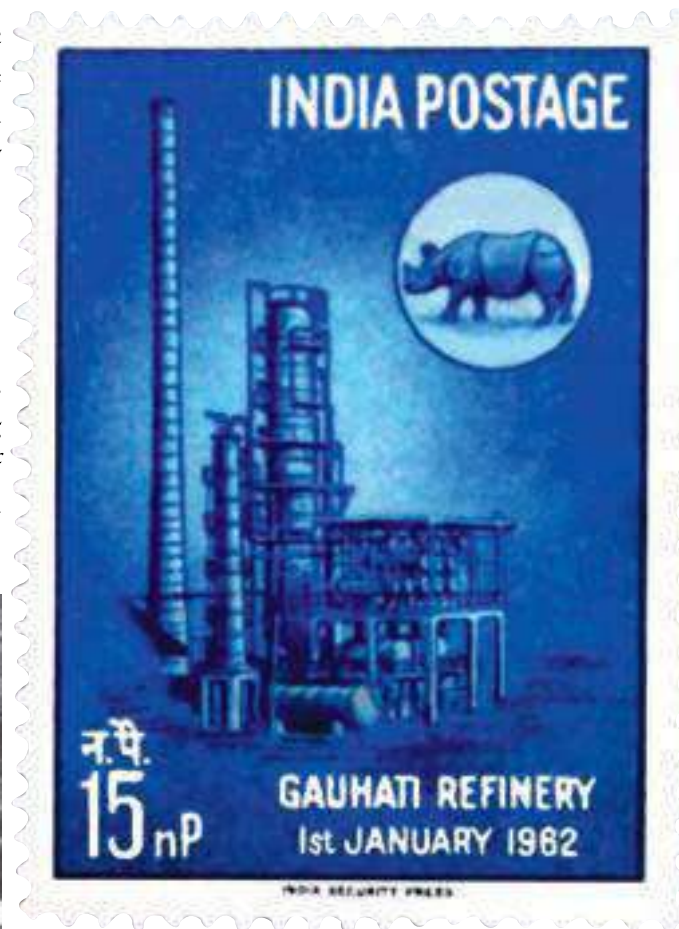


Prime Minister Jawaharlal Nehru arrives to inaugurate Guwahati Refinery on 1st January 1962. He on the occasion, said, “We are beginning the New Year with an auspicious ceremony, which will usher in a new era in India and our industrial life.”



Postage stamp commemorating the inauguration of India's first public sector refinery. In Nehru's own words on that day, "It is essential that the public sector should play a dominant role in developing the oil industry in India. This is necessary so that the benefits of economic development may flow to the masses."

Pile foundation work in progress (below) at the site of the Company's second refinery at Barauni, in Bihar (1962). Even as Guwahati was being planned, it was discovered that there would be unutilised availability of Assam crude. A second refinery, with two MTPA capacity, was in order, and the foundation stone was laid by President Dr Rajendra Prasad in 1959.



By the time Indian Oil Company began the search for its first retail niche, all prime locations in the major cities had been occupied by multinationals. So the honour went to arid and dusty Anjar, near Kandla, in Gujarat. Here, on 2nd April 1962, Rasiklal Ashokkumar & Company's brand new pump kicked off IndianOil's petrol & diesel retail business. In the next several years, there was a profusion of such enterprises.



Petroleum Minister KD Malaviya (centre, in white) visits 'Rashmi', Indian Oil Company's new Head Office on Carmichael Road, Mumbai, in 1962. Commending the officers and staff for their dedication and enthusiasm to the task of nation-building, he said that it was not the Government's intention to squeeze out the private oil industry in India. "We want them to live and prosper as much as possible for them within the consistency of the national interest...."



Shri Nehru going through the photographic panels depicting the progress of the Barauni Refinery project at an exhibition held in Ranchi (1963).

Being sufficiently inland, and with good railway facilities, Barauni was ideally located to cater to its own state, Uttar Pradesh, and further into northwestern India.



The first rake of railway wagons carrying crude oil from the Nahorkatiya wells in Assam to Guwahati Refinery. The refinery came up in January 1962, while the crude oil pipeline of Oil India Ltd, yet another PSU, from Nahorkatiya and Moran to Guwahati became functional in February. During the start-up and the intervening days, tank wagons serviced the refinery's requirements.



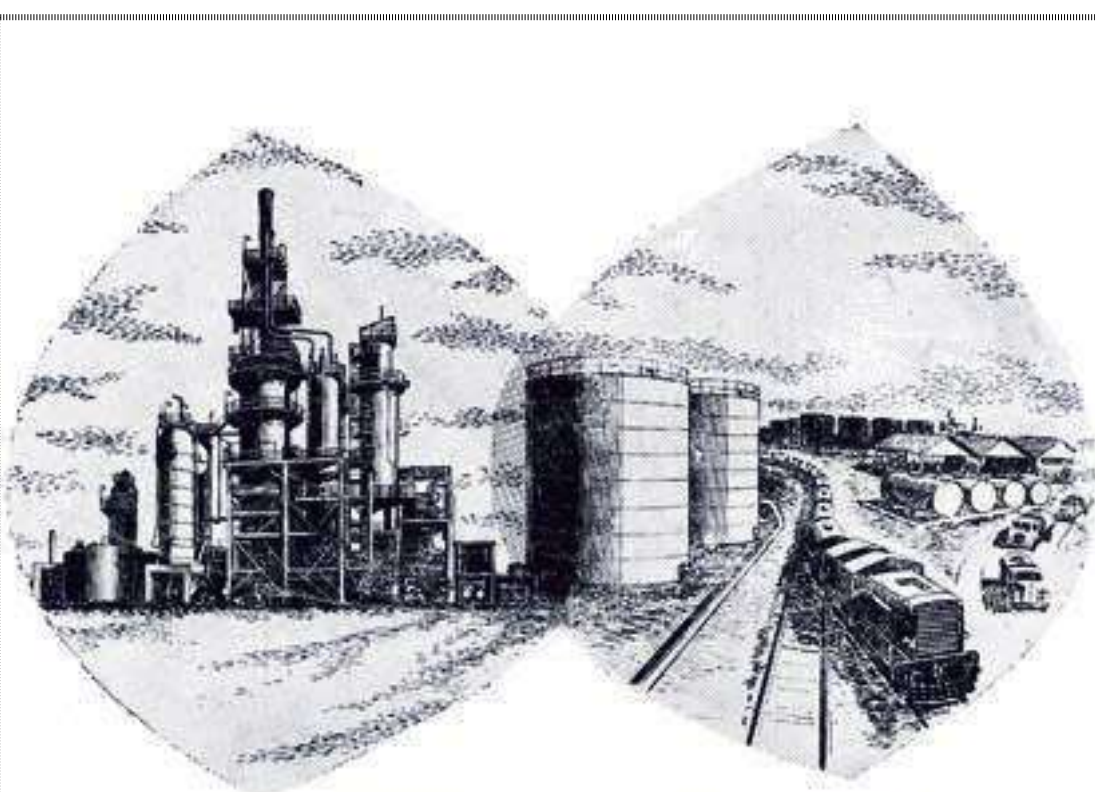


Work on the first petroleum products pipeline to be constructed east of the Suez Canal, during 1961-64, for product evacuation from the upcoming Guwahati Refinery to the Siliguri inland bulk storage terminal – IndianOil's first. It was laid in association with Snam Saipem of Italy, with technical assistance from Bechtel of USA, and was commissioned on 24th October 1964.



Construction of Wadala terminal in Mumbai begins (1961). Moving at breathtaking speed, by March, 1964, Indian Oil Company had set up seven main port installations, three major inland installations, and 91 upcountry depots. The 100th depot was commissioned at Jalgaon (Maharashtra), in 1965.





Indian Refineries Ltd. merge with Indian Oil Co. Ltd.
to form **INDIAN OIL
CORPORATION LIMITED**

The Indian Refineries Limited and Indian Oil Company Limited have merged to form the Indian Oil Corporation Limited. With an authorised capital of Rs. 75 crores, the Corporation will rank among the 10 biggest companies of the country, judged from the capital investment.

The Corporation has two divisions—Refineries Division and Marketing Division. The Refineries Division will manage the public sector refineries and the Marketing Division will distribute not only the entire production of public sector refineries but also the deficit

products imported from abroad. Spurred by the increased tempo of industrialisation, mechanisation and growing defence requirements, India's demand for petroleum products is bound to grow and INDIANOIL will contribute its share towards meeting the nation's needs.

The Corporation will ensure that only such quantities and qualities of products as preferred by the market would be produced by the refineries. Better co-ordination and greater efficiency will result in economical operation and better service to consumers.

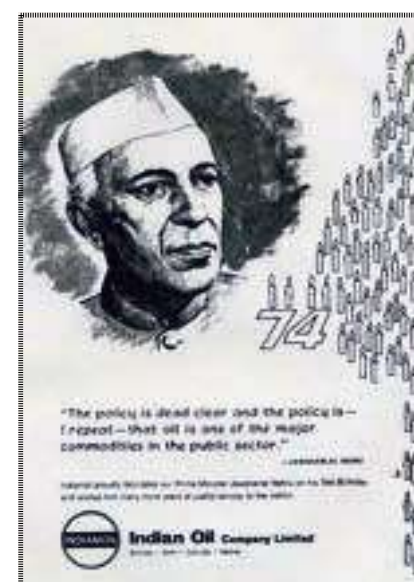
INDIANOIL—A National Trust For Economic Prosperity



Indian Oil Corporation Limited

Marketing Division:
Clarke Road, Mahalaxmi, Bombay-34.

Refineries Division:
Link House, Mathura Road, New Delhi.



A newspaper advertisement felicitates Shri Nehru, the mentor of IndianOil, on his 74th birthday in 1963.

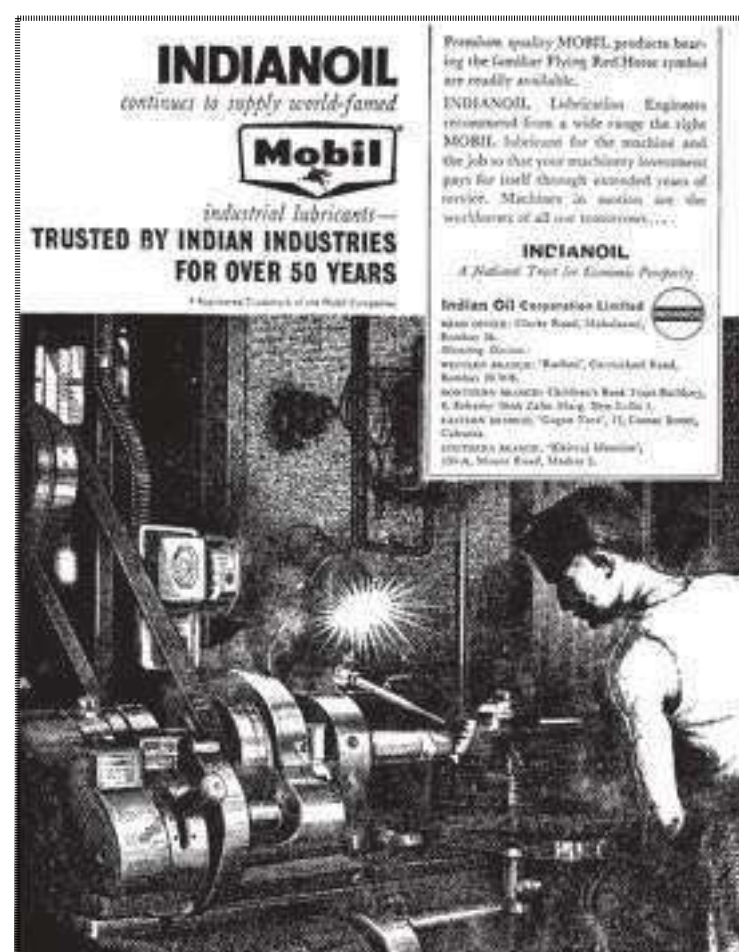
On 1st September 1964, Indian Refineries Ltd was dissolved and merged with Indian Oil Company Ltd to form a vertically integrated entity, Indian Oil Corporation Ltd, straddling both refining and marketing functions. While announcing the historic merger, Prof Humayun Kabir, the then Union Minister of Petroleum and Chemicals, hoped that IndianOil would soon handle at least half of the trade in petroleum products. His hopes materialized within five years. 1st September is now celebrated as IndianOil Day every year.



Shri Nehru laying the foundation stone for Koyali Refinery in Gujarat on 10th May 1963. Commenced under the aegis of ONGC, the project was transferred to IndianOil in 1965. The refinery township was named as Jawahar Nagar in memory of the beloved leader.

September, 1964 onwards, IndianOil and Mobil, USA, started manufacturing lubricants at the Mumbai and Kolkata plants of their joint venture, Indian Oil Blending Ltd (IOBL). Within 10 years, IOBL was to grow into the largest company of its kind in India.

IndianOil's first foray in the aviation fuelling business was with the defence services. The first airfield refuelling station (below) at Palam, New Delhi, was inaugurated by Air Marshal Arjan Singh, Chief of Air Staff, in October, 1964.



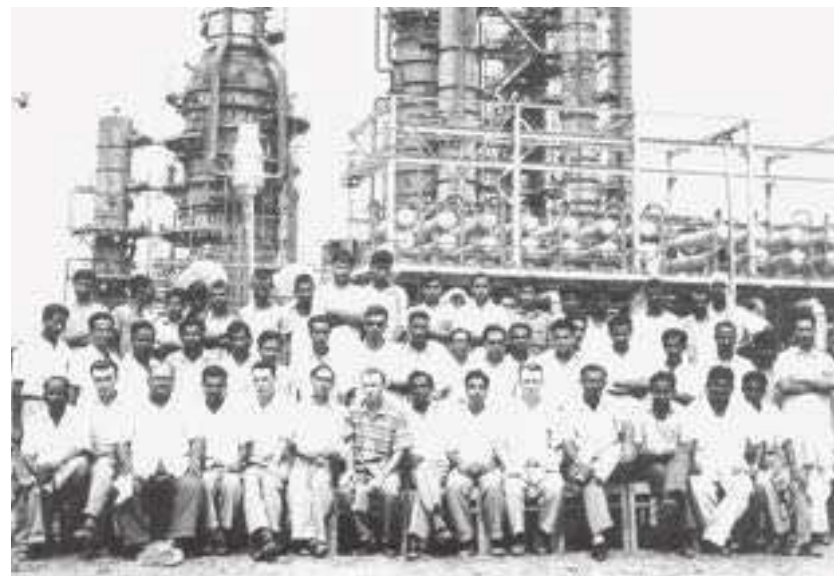
Refuelling operations at Palam in yesteryears.





Certificate of change of name of Indian Oil Company Ltd into Indian Oil Corporation Ltd. with effect from 1st September 1964.

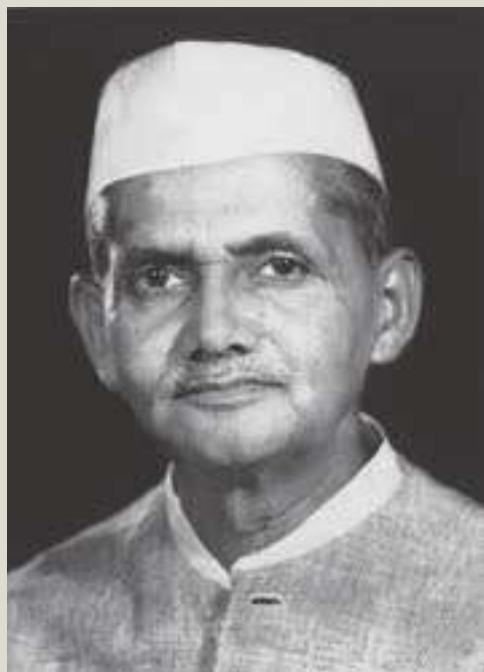
One of the earliest board meetings, chaired by PA Gopalakrishnan (in white shirt), the first Chairman of the merged identity.



Indian and Russian specialists at the successful commissioning of the first crude distillation unit at Barauni. Apart from on-the-job experience, over 80 Indian engineers and foremen underwent training at the Ufa Refinery in USSR, for this project. When the refinery was formally inaugurated on 15th January 1965, it was as if “the Volga came to meet the Ganga.”



Shri Jawaharlal Nehru speaking after laying the foundation stone of Koyali Refinery.



“IndianOil is a new undertaking. It is also a symbol of a new and resurgent India. There is an almost unlimited field for the expansion of the oil industry in India and it will need vigour and imagination to tackle the problems of fast growth in a highly specialised sector...”

Prime Minister Lal Bahadur Shastri, in his message to the in-house journal IndianOil News (1965).



An aerial view of the Koyali Refinery project, which heralded India's capability to construct refineries on her own, and to export this expertise to the Third World.



(Top right) Boosted by the project head Gen Sardanand Singh's '4-P' philosophy of “People *pehle*, paper *peechnay*” (“people are more important than paperwork”), the Koyali workforce had the first million tonne on stream in October, 1965. For his earlier stellar role in building and commissioning the Guwahati Refinery, Gen Singh was honoured with the Padma Bhushan by the President of India.



TRIVIA BEHIND THE SCENES



Demonstration of Indane, the 'Modern Cooking Gas', was conducted across India to spread awareness.

Laying of Pipeline involves cumbersome operations.

In yester-years, trained elephants were utilized in Assam to ferry pipelines across the mighty rivers.



With love, from Russia

MEN, MATERIAL and MECHANIZATION

Besides Romania, the USSR played a very significant role in helping IndianOil establish itself in its formative years, and thereafter, in maintaining a steady supply of crude oil and deficit products for the country. Apart from helping launch the company's marketing operations against Rupee payments, Soviet know-how, transfer of technology, technical training of Indian manpower, and project execution, was invaluable in the setting up of Barauni, Koyali and Mathura Refineries.



(Clockwise from above) Hectic activity at Barauni project site; deployment of technology; sharing of expertise: Russian engineers and specialists worked with their Indian counterparts on the Barauni project; formal inauguration; praise for the team members.

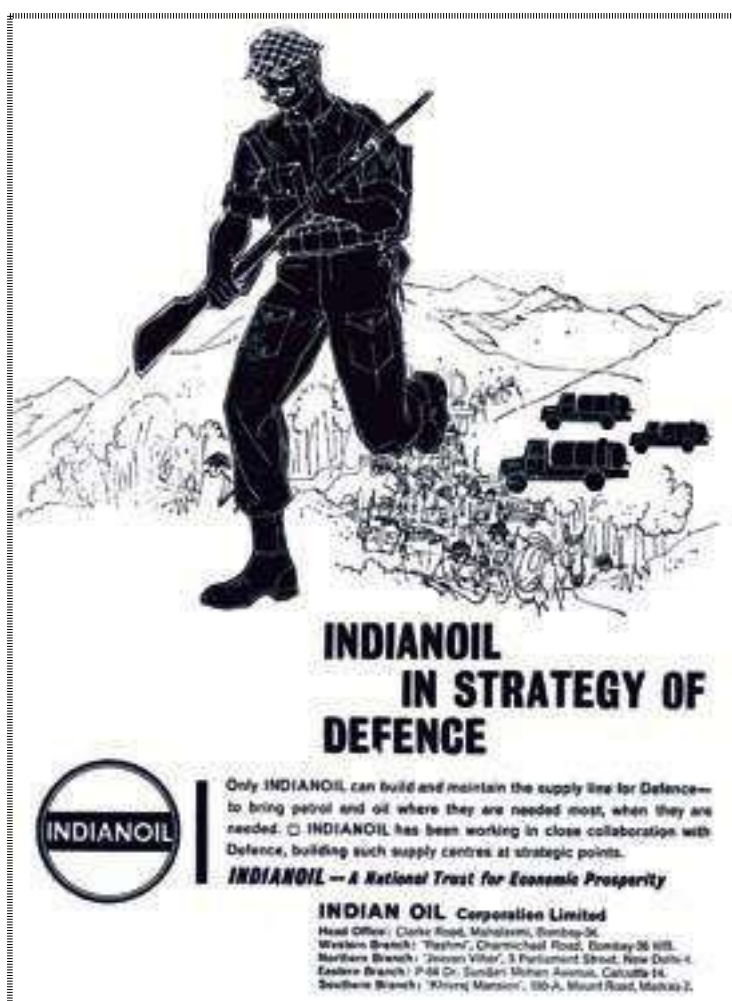


Since the agreement for cooperation was not on a commercial basis, all equipment and material supplied from the USSR, whether instruments, steel structures or equipment, was at flat unit rates on a tonnage basis.

The expertise acquired by Indian engineers working with their Soviet associates paved the way for the establishment of the Central Design Organisation, Vadodara, which provided a sound foundation for Engineers India Ltd.



(Clockwise from above) at a farewell party hosted by the Chairman; a lighter moment at work; Dandia Raas dance performance; lined up for a friendly round of football; children perform at a get-together.



IndianOil's support has been vital for India's defence capability. During the 1964-65 war with Pakistan, IndianOil took over the entire responsibility of ensuring stable and sufficient supplies of petroleum products to the armed forces. The additional load was double that of the Company's total sales at that point.

Civilian aircraft refuelling commenced with Air India's jet *Makalu* at Santacruz airport, Mumbai (below), in November, 1965. Withstanding initial growth pangs, IndianOil soon became the market leader for aviation fuel supplies in the country.



The first oil jetty was set up on the Hooghly river in Haldia (1967). Post Indo-Pak war, the Government of India decided to canalise import of deficit products like diesel and kerosene through IndianOil.



Commodore D St Cameron inaugurates IndianOil's consumer pump for the *INS Circars* naval establishment, Visakhapatnam, by delivering the first litre of oil into his own automobile (1965).



West Bengal's finance minister, SK Mukherjee, lights an LPG hotplate to launch Indane, the first branded offering from IndianOil in the market, in October, 1965, at Kolkata. Over the years, millions of homemakers adopted this clean and efficient liquefied petroleum gas (LPG) as cooking fuel.





IndianOil Chairman Gopalakrishnan (left) signs the supplemental agreement with the Soviet Union for import of petroleum products (1965).



TRIVIA BEHIND THE SCENES

IndianOil placed a fleet of new Tank-Trucks at the disposal of Government of Bihar, to transport water to drought affected areas to Patna from Bombay.



TRIVIA BEHIND THE SCENES



A 'Hunter' squadron lined up for re-fueling by IndianOil.

Barauni Refinery with a well-equipped chemical laboratory for proper Quality control of Petroleum Products.



IndianOil's Jyoti kerosene consumer depots, set up in the heart of the city, successfully mitigated the acute scarcity of kerosene in Kolkata, in the 60s.



Tank-carts supply kerosene in Mumbai (1966) as part of IndianOil's emergency measures to tackle shortage of the common man's fuel across the nation.

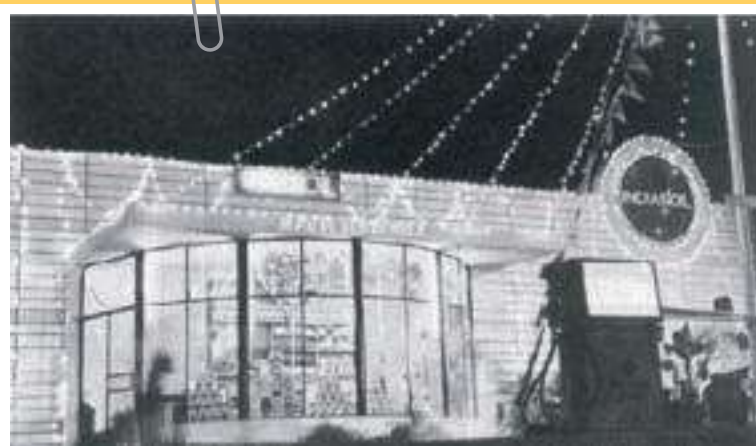


The spurt of new refineries in the 1960s speeded up pipeline development. By 1966-67, three more product pipelines, Koyali-Ahmedabad (116 km), Barauni Kanpur (745 km), and Haldia-Barauni (525 km), were fully operational, carrying their load to consumption centres.



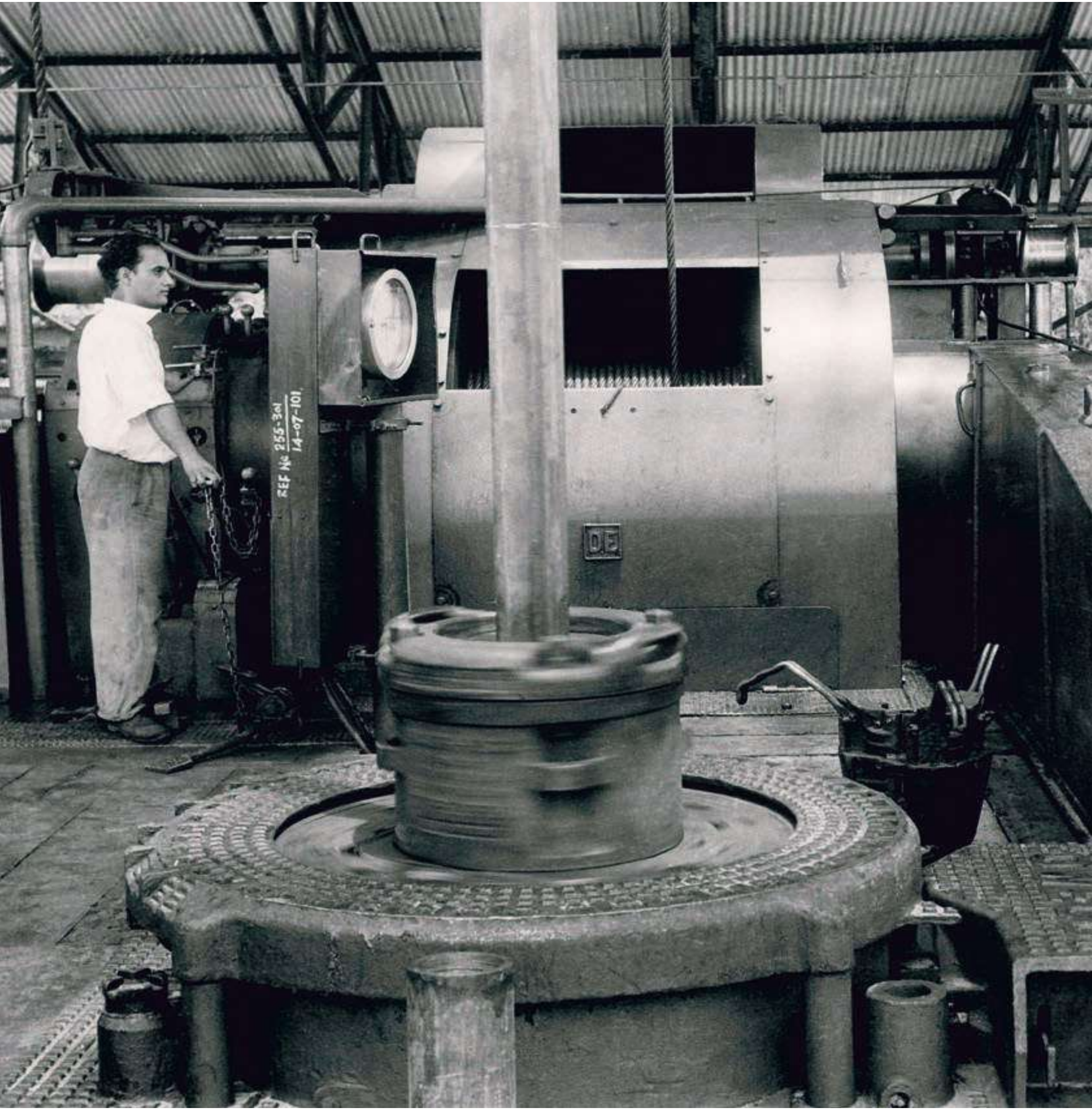
Dr Zakir Hussain, as Vice-President of India, visited Koyali in 1967. Here, he is seen giving his autograph to a young girl at the primary school in the refinery township. Upon asking a child why she liked the school, he was told, "Because we like our teachers." The Vice-President remarked, "I cannot pay a better compliment."

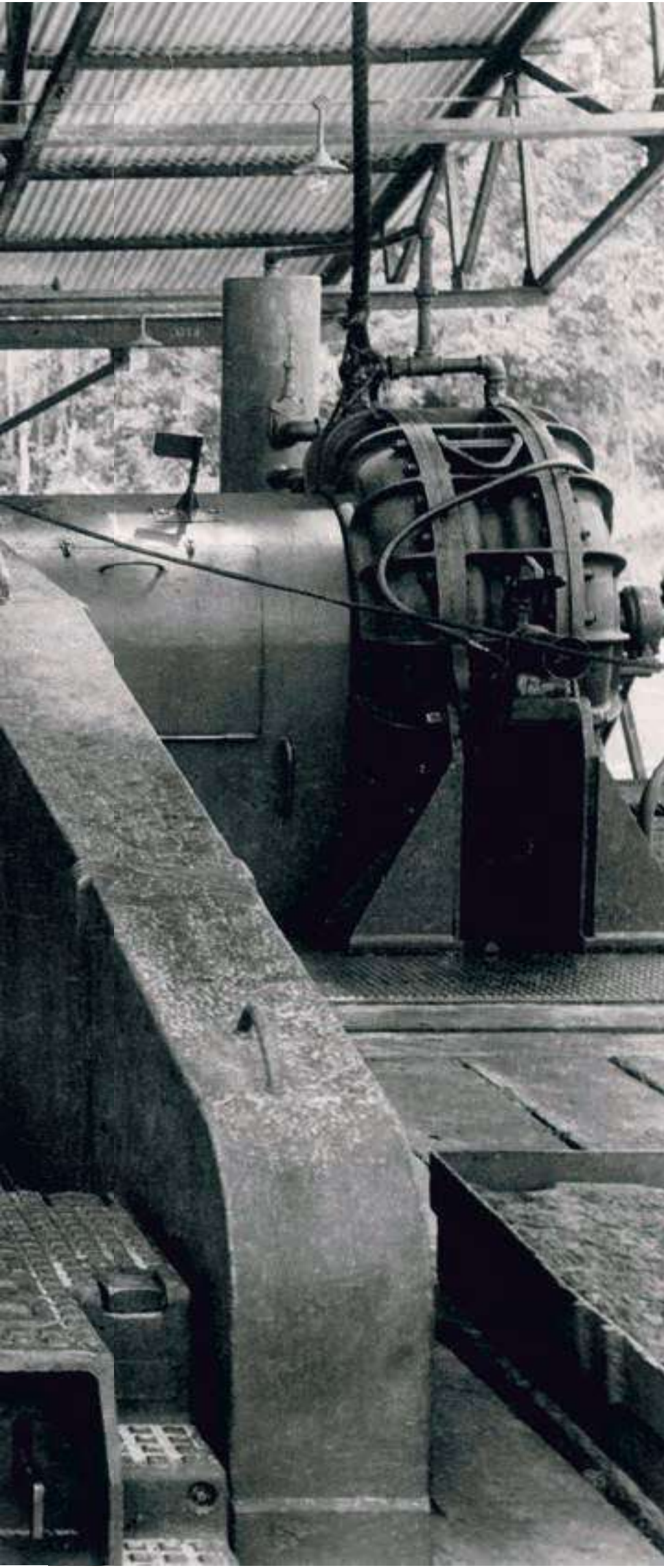
President Dr S Radhakrishnan speaking at the dedication of the Koyali speaks to the nation on 18 October, 1966. Koyali's capacity was raised from 2 to 3 MTPA in 1967.



TRIVIA BEHIND THE SCENES

Empowering young talents by giving opportunity. First Retail Outlet, commissioned at Coimbatore, under the scheme of dealership for unemployed Graduates.





1970 - 1980

The Spurt of Indian Oil Refineries

Refinery processes were upgraded from pneumatic controls in the beginning to electro-pneumatic operations in the 1970s.



Bulk delivery of lubricants as bunker fuel to ocean-going tankers for the first time in India, at Kolkata port (1967). The company entered the marine and bitumen business that year.

During 1967-70, the Company commissioned as many as 1,491 retail outlets.



Another look of the up-gradation of Refinery processes from pneumatic controls to electro pneumatic operations.



TRIVIA BEHIND THE SCENES

Shri Bhambri giving tips on customer service to Kumari Kusum Thomas, the first lady engineer to distribute Indane.



Prime Minister Indira Gandhi presents dealership letters of IndianOil to the war disabled and dependents of those who laid down their lives in the Indo-Pak conflict, in New Delhi, on 6th February 1972. After the 1971 conflict, the Corporation, for the first time, extended reservations in award of retail outlet dealerships to war widows, disabled defence personnel, freedom fighters, etc.



When conflict erupted against Pakistan in 1971, the company reaffirmed its steadfastness in times of national emergency. By that time, it had set up bulk petroleum storage installations and depots in the forward areas. In fact, in March, 1972, during the war for liberation of Bangladesh, IndianOil went so far as to organise crude oil supplies to the Chittagong Refinery in that country.

Oil keeps the Flame of Freedom burning bright

The strategy of defence to meet the threat on our borders—whether in sweltering jungles, snow-bound mountain ranges, sandy deserts or desolate marshes—is vitally linked with oil. Oil keeps the tanks and trucks moving, reaches arms and supplies, and maintains the lines of communication.

Working in close co-operation with Defence, INDIANOIL helps our gallant jawans to keep aloft the Nation's Flag.



A National Trust for Economic Prosperity

**INDIAN OIL
CORPORATION LTD.**





Before IndianOil's fourth refinery was raised, Haldia in West Bengal was a remote village at the confluence of the Haldi and Hooghly rivers. It was bereft of basic facilities like electricity, markets, schools or hospitals.

In those days of poor conditions, the main column of the fuel oil block (in the picture) was transported through the waterways to Pathikali, an unloading site adjacent to the project site.



Haldia Refinery was built with technical collaboration from France and Romania. Indian agencies Engineers India Ltd and Bharat Heavy Electricals Ltd were also involved.

The picture shows the application of an innovative, cost-effective approach developed by the Japanese, called 'sand-wicking', to overcome the low load bearing capacity of the soil for setting up tanks.



Haldia was IndianOil's first coastal refinery, as well as the first lube-integrated refinery. One of its main thrusts was to produce HVI-grade lube base stock, which was being imported at that time. The refinery commenced commercial production in January, 1975.



DK Borooah (left), Minister for Petroleum & Chemicals, and K Skachkov, Chairman, State Committee on Economic Relations with Foreign Countries, USSR, sign the protocol for cooperation in the construction of a grassroots refinery at Mathura, in Moscow (1973). Even as the Haldia Refinery project was midway, the petroleum products demand merited a new refinery in north India.

In 1970, IndianOil acquired 60 per cent majority shares of Indo-Burmah Petroleum Co Ltd (IBP) from Steel Brothers & Co, UK.





IndianOil's Research & Development Centre, represented at its debut by an “unimpressive whitewashed edifice, standing almost like an apology for a laboratory, on a barren, snake-infested tract of land” is intertwined with the back-end story of ‘Servo’, IndianOil’s acclaimed lubricant brand. In the 1960s, the burning imperative to own a lubricant line had been temporarily taken care of by a successful collaboration with Mobil. However, as the end of the time-bound Indo-Mobil joint venture drew near, the market had to be replanted with IndianOil’s own crop. Also, increased quantities of indigenous base stock were becoming available from in-house refineries.

It was in these circumstances that IndianOil’s R&D Centre was set up at Faridabad, near Delhi, in 1972. Its humble manifestation was deceptive, for the organisation was staffed by a crack group of scientists. In a matter of a few weeks, members of the team had studied and finalised 120 grades of lubricants.



On 15th August 1972, ‘Servo’, perhaps one of the earliest truly Indian lubricant brands, dropped into the market, quickly carving out a huge chunk of the business. Servo lubricants were initially introduced in the market through IBP retail outlets since IndianOil’s collaboration with Mobil was still in operation. By August, 1974, IndianOil R&D notified more than 260 oil formulations, covering automotive, industrial, metal working, and marine specialities. The same year, IOBL became a wholly-owned subsidiary of IndianOil with the termination of the tie-up with Mobil.



Prime Minister Indira Gandhi lays the foundation stone for IndianOil's fifth refinery at Mathura, on 2nd October 1973.



The decision to locate a refinery near the holy town of Mathura, on the banks of the Yamuna, was based on one major factor; that it should be where the growth in demand for petroleum products was most, which was north and northwestern India. It was India's largest grassroots refinery of its time and IndianOil's first inland refinery that ran both on imported as well as indigenous Bombay High crude oil.



Several innovative environment protection measures were built into Mathura Refinery, right from the design stage, in view of its proximity to the eco-sensitive Taj Trapezium.



Pipeline manifold for receipt of crude oil and finished products from oil tankers at an oil jetty in Chennai port. After the formation of the Oil Coordination Committee (OCC) under the aegis of the Ministry of Petroleum & Natural Gas, Government of India, in 1975, IndianOil was made the canalising agency for crude oil and product imports for the entire industry, a position it retained till the deregulation of the sector in 2002.



With the demand for petroleum products, diesel and kerosene in particular, picking up in the 1970s, the railways bore the brunt of the excessive load, in the absence of any significant pipelines network. Tank wagon movement by special rake-loads, each with a train of 70 wagons, between refineries, port terminals and inland bulk storage depots, was a key strategy to avoid 'dry-outs' at critical locations.





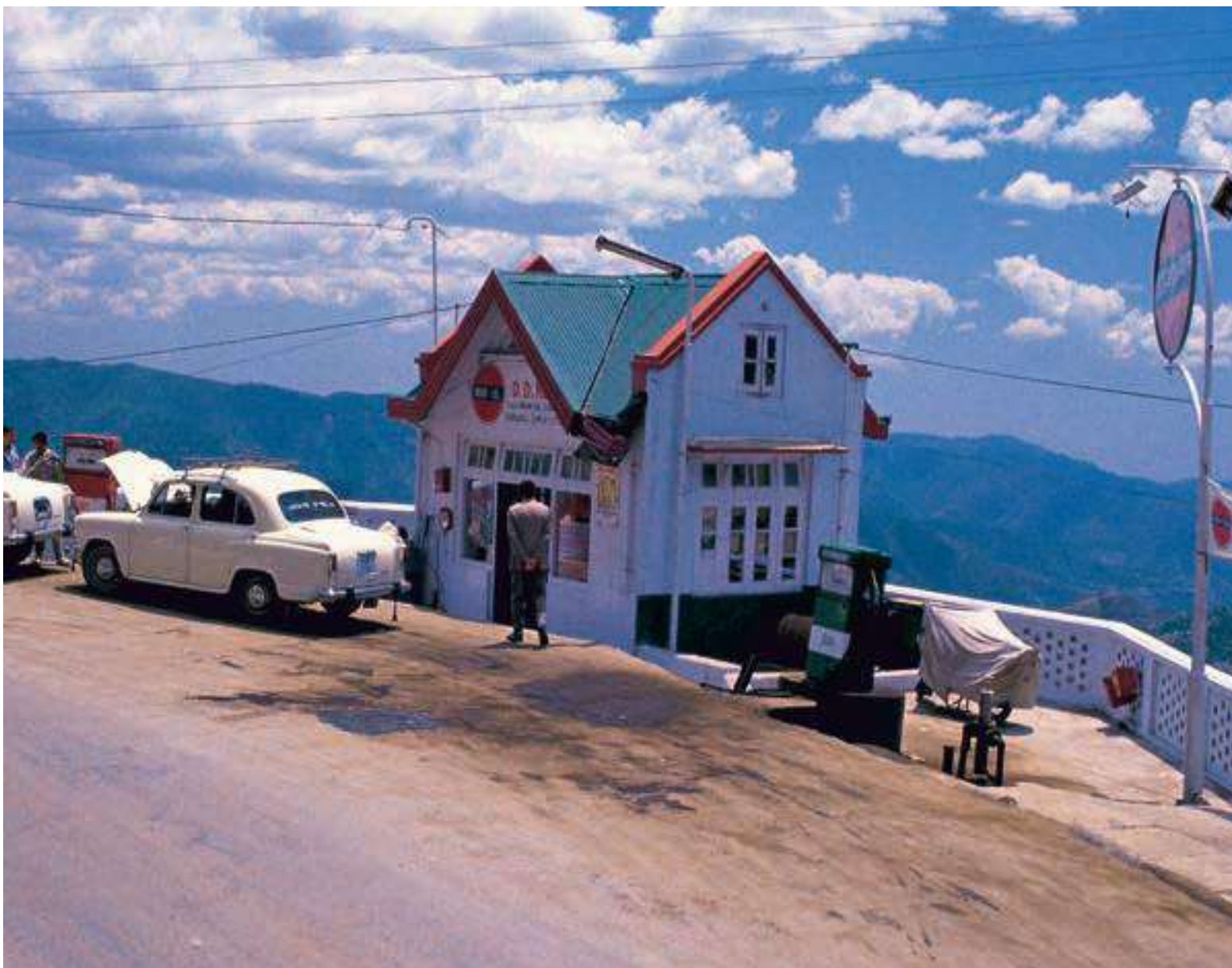


1981 - 1991

Keeping the nation on the move

In 1975, IndianOil was the first oil marketing company to introduce multipurpose distribution centres (MPDCs) at its rural retail outlets. Stocking controlled cloth, non-scheduled drugs, fertilisers, pesticides, insecticides, and general merchandise, MPDCs served as one-stop convenience shops, especially for farmers. By end of March, 1976, there were 132 MPDCs.





(Facing page above) Sign of the times: IndianOil Logo greets travellers to far flung Himalayan settlement.

(Facing page below) Dedicated pumps for bulk consumers.

(Above) The Company's petrol & diesel station in the picturesque environs of Shimla was taken over from a foreign oil company.

By the 1980s, the company commanded the dominant share of LPG, lubricants, petroleum retail, and the large-volume consumer business of state transport undertakings, core industries and railways.



(Facing Page) The first single-point mooring was set up off Salaya on the west coast for receipt of crude oil and petroleum products through ocean tankers. The phase-wise commissioning of India's first cross-country crude oil pipeline, from Salaya to Mathura, began in 1978, and was complete by 1981. With the discovery of Bombay High crude in 1974 and subsequent expansion of Koyali Refinery to process it, the oil was again piped to it from Salaya. The entire network, covering Salaya, Mathura and Koyali, measured 1,219 km and opened up opportunities for tapping the high-growth northern market through inland refineries.









(Facing Page) Picture taken in 1923 during the reconstruction of Digboi Refinery, India's first and oldest, established in 1901, in Assam. The refinery and marketing operations of Assam Oil Company were vested in IndianOil in 1981 by the Government, by an Act of Parliament, and it became the autonomous Assam Oil Division. This meant a new lease of life for an old refinery, with associated marketing activities, that had stagnated for more than 15 years.

(Above) Digboi railway station (with the refinery columns in the background, to the right). For any person even remotely connected with the oil industry in India, a visit to Digboi is a pilgrimage.

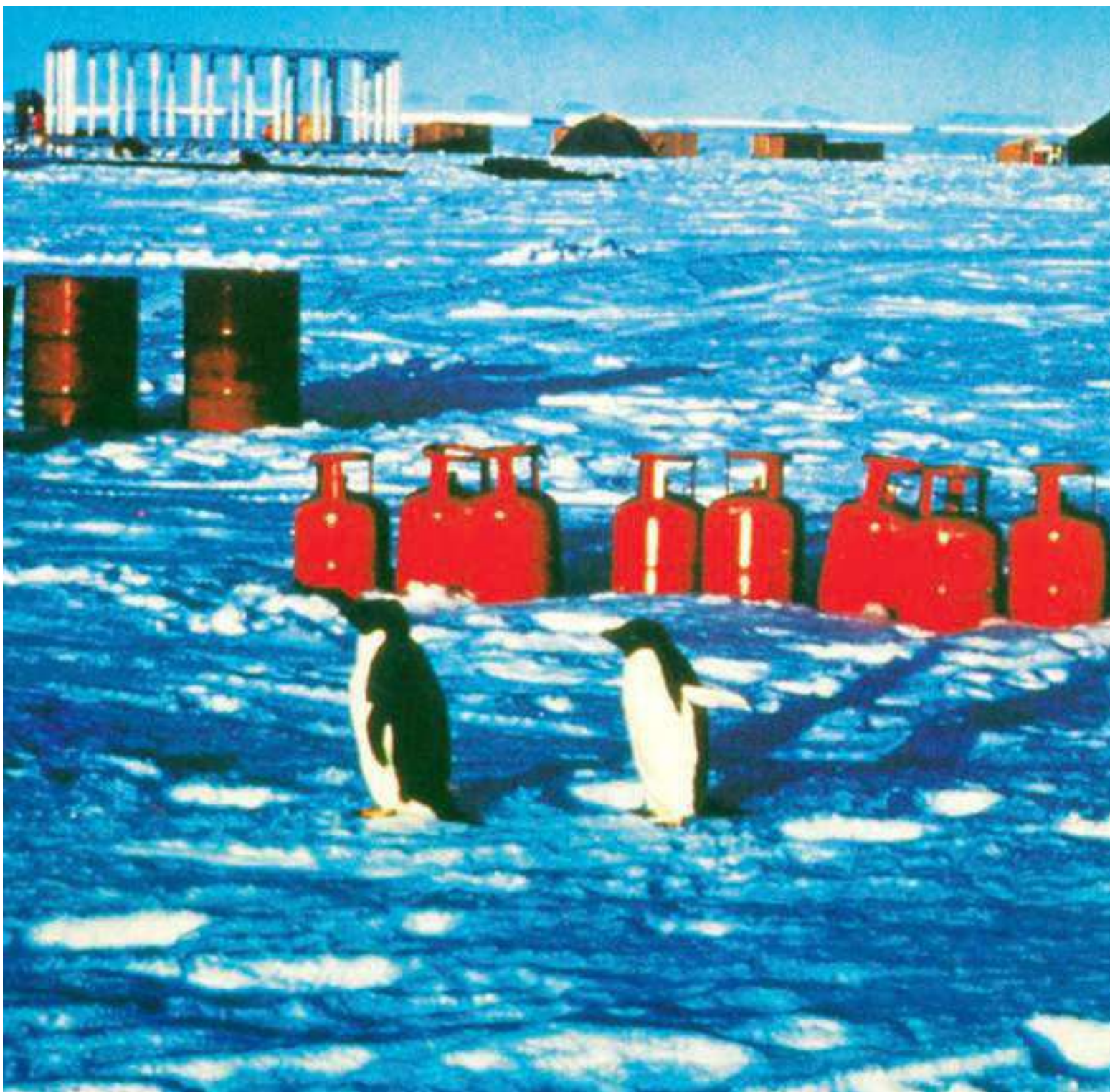


A major product pipeline of over 400 km, connecting Mathura to Jalandhar, through Delhi and Ambala, was commissioned in phases by 1982.



The bottom portion of one of the huge cast-iron pans or 'stills' on display at the entrance of the Digboi Refinery. Measuring nine feet in diameter, and about four feet deep, it was used to treat crude oil in the 1890s.





IndianOil supplied Indane cylinders, lubricants, aviation turbine fuel, etc., to the Antarctica expeditions of Indian scientists at Dakshin Gangotri during the 1980s.



The IndianOil Management Academy (IMA), set up in February, 1979, with residential training facilities, at Haldia Refinery township. As the Company's first such training institution, IMA has made immense contribution in enhancing employee skills.

TRIVIA BEHIND THE SCENES

India's no. 1 lubricant, SERVO's offerings and packaging in 1983.



A well-remembered product of the 1980s is the 'Nutan' kerosene wick-stove, developed by IndianOil R&D, with a 60 per cent thermal efficiency over the 35-40 per cent that hitherto existed. It bagged the United Nations World Intellectual Property Organisation gold medal in 1984. Nutan also came in an improved LPG hot-plate version in 1983.



IndianOil refuels *Queen Elizabeth II*, the world's largest luxury liner (1984).



From 1984 onwards, taluka kerosene depots were commissioned for improved availability of the common man's fuel in rural and hilly areas.



With a mandate to support defence and other paramilitary services at all time, the Company specially developed fuels, lubricants and greases for army vehicles operating in extreme conditions. As an IndianOil veteran once put it, the Company has been genetically coded to serve the Defence services.

Indian Air Force's Kiran trainer jet being refuelled at Dundigal near Hyderabad (1985).

(Facing page) Indane is loaded in 'bullet' tank wagons for movement by rail to upcountry locations. Between 1983 and 1988, IndianOil undertook massive augmentation of LPG storage and distribution facilities across the country. Later, in 1990, the Company took the lead in setting up an LPG Equipment Research Centre at Bangalore to foster indigenous R&D and standardisation of equipment across the industry.





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(Facing page) In the 1980s, bolstered with new infrastructure, sophisticated equipment and enhanced staff strength, IndianOil's R&D Centre came into its own as a modern research institution.



Besides a host of other products, the Servo arsenal expanded to include defence grade oils for the Indian military. By 1985, self-reliance and almost total indigenisation of technology had been attained.



The Registered Office of IndianOil at Mumbai shifted to its own modern, eight-storey building in Bandra, in May, 1986.



TRIVIA BEHIND THE SCENES



IndianOil Aviation proudly serving the Pride of India.

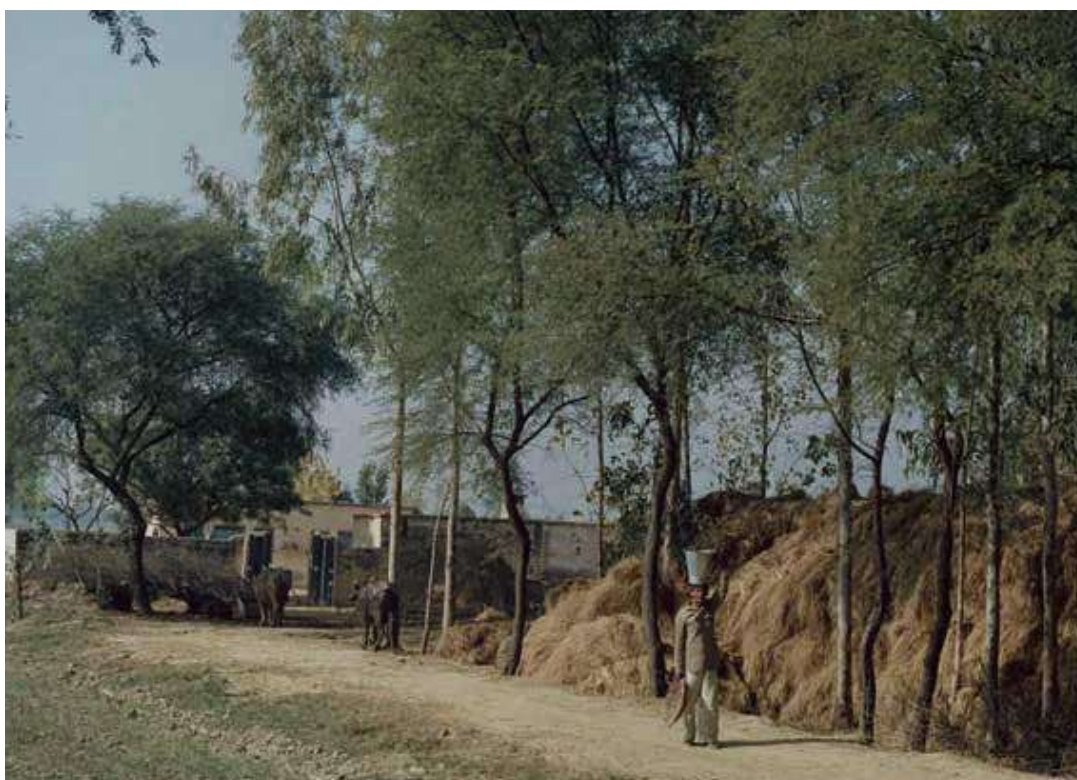
Computerization at IndianOil begun in early 1980s to empower the future ready organization of India.



Prime Minister Rajiv Gandhi laid the foundation stone of IndianOil's seventh refinery near Panipat town in Haryana, in 1987. He termed the project as 'a catalyst for development' of the northwest, which accounted for one-fifth of India's petroleum consumption.



The once laid-back Baholi village near Panipat became the centre of hectic construction activity as IndianOil's world-class refinery took shape. Built to be one of the most modern of its times, Panipat Refinery was to cater to the high-consumption demand centres in northwestern India.





Cooking up a Storm

I N D A N E

Cooking gas was introduced in India in 1955 by multinational oil companies. However, the consumption was restricted to a few posh city localities, and was not more than 50 metric tonnes annually. By the time Indane entered the market in 1965, sales of LPG had reached 40,000 tonnes. Soon, the use of LPG spread beyond urban pockets. Its popularity as the 'ideal fuel for modern kitchens' raised the number of users to 26.4 lakhs in the next 10 years, and thereafter, to 106.6 lakhs by 1985-86. Half of these were Indane customers.

Housewives across the country were rapidly abandoning traditional cooking fuels for LPG. Sensing this, IndianOil, during 1983-88, undertook a massive reorganisation of the Indane marketing set-up as a separate vertical, with over 30 exclusive area offices. Sourcing, import, storage, distribution and bottling facilities were augmented. Plant equipment, cylinders and pressure regulators were upgraded and standardised. Since then, ever increasing demand has made Indane one of the largest packed LPG brands in the world.





(Facing page) 'Bullet' trucks carry bulk LPG from refineries to bottling plants in upcountry locations (above) where the product is decanted and stored.



LPG is then filled in cylinders assembled on carousels (top) for delivery by trucks to individual distributors in the local sales area (left).

Advertisement felicitating the 230th anniversary of the Army Service Corps (ASC), and commemorating IndianOil's three decades of association with it (1990). ASC is the oldest and the largest administrative service in the Indian Army.

Felicitations to the Border Roads Organisation (BRO) on completion of three decades in the service of the nation (1990). BRO builds and maintains arterial roads of strategic importance for the Indian Army and the development of the northeastern border states.



Indianoil. Serving those who serve our nation.



Indianoil congratulates the Army Service Corps (ASC) as it celebrates its 230th anniversary and Fifth Reunion. Indianoil has served the ASC for three decades. In peace and in war. Providing vital support in their tough and challenging operations. Keeping pace with

them... round the clock, round the year. Indianoil stocks and supplies petroleum products for the ASC. It has installed over 400 TTKS pumps and 60 kerosene pumps. What's more, it trains ASC personnel in the handling of petroleum products.

Indianoil. The largest commercial enterprise in India. ASC. The vital supply link to India's Defence Services. Different roles but bound by a common goal. That of aiding the Defence Services in safeguarding the freedom of our nation.



Indian Oil Corporation Limited
Serving the ASC for three decades.



INDIANOIL SALUTES THE MEN WHO MAKE PASSES AT MOUNTAINS!

The Border Roads Organisation. It has built the highest motorable roads in the world. And each road is a saga of their courage and iron will. A triumph of engineering skills over natural barriers.

Indianoil helps them in this uphill task. Supplying much needed bitumen in hot, ready-to-use form

for black topping the roads. Most of the trucks, bulldozers and air compressors run on Indianoil's fuel and lubricants.

For thirty years, Border Roads Organisation has tamed the most treacherous of terrains. As one engineer remarked "These mountains seem to throw a challenge at us. And we are

game for it." No wonder, they've earned the sobriquet "Mountain Tamers".



INDIAN OIL CORPORATION LIMITED

Paving the way for progress.



Felicitations to the Border Roads Organisation (BRO) on completion of three decades in the service of the nation (1990).

BRO builds and maintains arterial roads of strategic importance for the Indian Army and the development of the Northeastern border states.

IndianOil employees, as part of the Territorial Army, step in to maintain vital petroleum supplies during natural calamities or national emergencies.





Assimilation of computer-integrated digital control, along with advance process control, from the 1990s, has enabled execution and monitoring of all refinery processes from a central control room.





1992 – 2002

Expanding horizons with state-of-the-art technology

India's first Hydrocracker commissioned at Koyali, in 1994-95 for enhanced production of high-value middle distillates, on expansion of the refinery's capacity to 9.5 MMTPA. Soon, Koyali acquired the stature of a 'mother refinery', a dispersal point for refining technology.





(Facing page) Petrol stations till the 1990s were bone bare, no-frills affairs. There was little incentive to modernize them, as the credo in the business was demand management.

In the mid-90s, IndianOil changed all that by launching 'Vision 2000,' a revolutionary, integrated, retail-branded programme, with rainbow fascia, giving its business a striking visual identity and changing the face of petroleum retailing in the country.

When the government decontrolled lubricants, in 1992, more than 40 brands from multinationals and Indian companies flooded the market. SERVO's strength was tested in the face of unbridled competition. IndianOil responded with a sustained advertising and sales promotion campaign, including new generation packaging, to maintain its primacy.



The high-efficiency sulphur recovery unit commissioned at Haldia (1994) enabled recovery of 96 per cent sulphur from flue gas.



IndianOil Institute of Petroleum Management, at Gurgaon, Haryana, the Corporation's apex learning centre, was inaugurated in 1995. Initially, the institute offered an International MBA programme in association with a reputed international institute.

Once the lifeline of the northwest, the 1,443 km-long Kandla-Bhatinda product pipeline, was commissioned in phases during 1995-96.



A view of IndianOil's R&D Centre (1995).

The decade ending with 1995 saw the Centre focus on development of novel refining processes and pipeline operations technology. Vigorous research led to the development of novel chemical additives, and railroad, auto engine and industrial oils, based on the 'component' based approach.

Apart from many renovations and improvements over the years, Digboi Refinery went through a Rs. 1400 crore modernisation during the late 1990s.





The first 'Convenio' store, opened at Raj Kumar Service Station, New Delhi (1996), marked the launch of a phased upgradation of the company's flagship stations by adding a plethora of features, including multi-product digital dispensing units for speedier service, colour-coded canopies, ATMs, quick-lube-change centres, auto car washes, and smooth concrete driveways.

'Convenio' outlets have proved to be a boon for time-strained urban motorists.



Indian Oiltanking Ltd (now renamed IOT Infrastructure & Energy Services Ltd), was set up as a joint venture with Oiltanking of Germany and IBP Co Ltd in 1996 to provide an array of world-class independent terminalling and logistical services to leading oil & gas companies and design, engineering and EPC services to all major industries in India and abroad.



Mathura Refinery became the first in the world to earn the stringent OHSMS (Occupational Health & Safety Management System) certification for 1997. The start-up capacity of six MMTPA has since been enhanced to eight MMTPA in stages, mainly through product quality improvement projects.





(Top) Replete with inputs from Danish, French and US firms, Panipat Refinery commissioned in October 1998 ripples with state-of-the-art technology. Complete automation of all refinery processes and line-blending of various products achieves optimum product quality.

The Salaya-Mathura crude oil pipeline was extended by 350 km, from Chaksu, in 1998, to feed the new refinery. A second SPM system was also commissioned off Salaya in March 1997 for this purpose.

(Left) Prime Minister Shri AB Vajpayee addressing after laying the foundation stone for doubling the capacity of Panipat Refinery, from 6 to 12 MTPA, along with the setting up of a world class plant for production of Polymers.



LPG import facilities set up at Haldia through a joint venture (formed in 1998) with Petronas of Malaysia.



IndianOil's maiden Jubilee outlet (the generic name comes from the golden jubilee of India's independence in 1998) commissioned at Ongole in Andhra Pradesh. In response to the changing trends of highway traffic in the country, the large, multifaceted format was packed with facilities: state-of-the-art refuelling points, convenience stores, cafeterias for motorists, *dhabas* for truckers, parking lots, dormitories, bank extension counters, post offices, pharmacies, first aid facilities, etc.



The ambitious 'Manthan' IT re-engineering project was launched in 1998, to assimilate IT-based business solutions and supply chain optimisation packages. Eventually, it resulted in one of the largest implementations of SAP enterprise resource planning software in Asia. A Corporate Business Technology Centre set up in the IiPM Campus at Gurgaon forms the nucleus of the countrywide online, realtime business transactions.

Koyali became the first refinery in the country to commence production of diesel with low sulphur content of 0.25 per cent wt (max.) with the commissioning of a diesel hydro de-sulphurisation unit in June, 1999. Subsequently, diesel quality improvement facilities have been put in place at all IndianOil refineries.



Avi-Oil, a joint venture with Balmer Lawrie and Nyco SA-France, was set up in 1993 for indigenous production of speciality aviation lubricants. A blending plant commissioned at Piyala, in Haryana (1999), began rolling out synthetic and mineral-based aviation lubricants.





The first Navaratna Board of IndianOil (1999). In 1997, based on their profit-making record, nine public sector companies were designated Navaratna by the Government of India, which meant that they were given considerable autonomy to manage their own affairs. They could raise finances, enter into new ventures, and implement internal restructuring, without Government approval. IndianOil was one of the Navaratnas. In line with the new status, the company's Board was re-constituted with the induction of five part-time non-official independent directors.



IndianOil

VISION

A major, diversified, transnational, integrated energy company, with national leadership and a strong environment conscience, playing a national role in oil security & public distribution

MISSION

- ▶ To achieve international standards of excellence in all aspects of energy and diversified business with focus on customer delight through value of products and services, and cost reduction
- ▶ To maximise creation of wealth, value and satisfaction for the stakeholders
- ▶ To attain leadership in developing, adopting and assimilating state-of-the-art technology for competitive advantage
- ▶ To provide technology and services through sustained Research and Development
- ▶ To foster a culture of participation and innovation for employee growth and contribution
- ▶ To cultivate high standards of business ethics and Total Quality Management for a strong corporate identity and brand equity
- ▶ To help enrich the quality of life of the community and preserve ecological balance and heritage through a strong environment conscience

Fittingly, the last year of the millennium was one of internal reflection and mobilisation for the big push ahead. The company conducted a massive HRD and business scoping workshop, involving people from all ranks. Called 'The Third Eye: A People Workshop', the exercise's end result was a corporate Vision to emerge as a 'major, diversified, transnational, integrated energy company.' The Mission statement was also restructured in the context of the ongoing transition to the open market.



The Lubrizol India (P) Ltd plant at Navi Mumbai manufactures chemicals for use as additives in fuels, lubricants and greases. By acquiring the Indian Government's shares in Lubrizol India, IndianOil gained a 50 percent stake in the joint venture with Lubrizol Corporation of USA (2000).







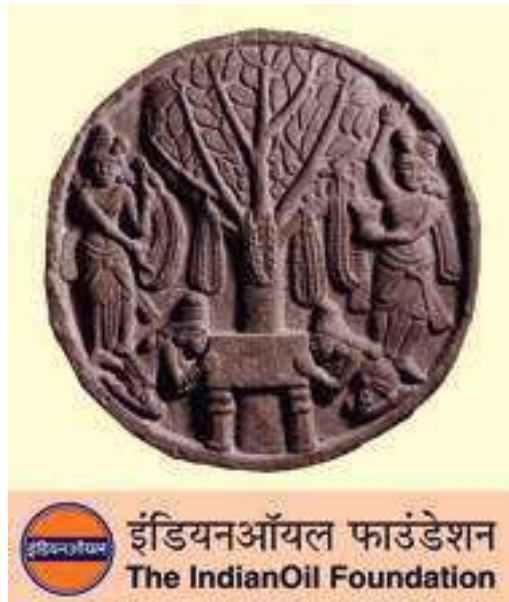
(Above) Operations in the far-flung areas of the northeast.

Twelve tank trucks of IndianOil and its associates were devastated by shelling during the Kargil conflict (1999). Despite shelling of its depots at Leh and Kargil. The Company maintained petroleum supplies in the battle zone during Operation Vijay, and stood by the families of the war heroes later.

(Facing Page) A convoy of tank trucks carries fuel from Ambala to Leh, in the Ladakh Himalayas, across the Tanglang La, one of the world's highest motorable passes. IndianOil is a key member of the advance winter stocking exercise undertaken by the Indian Army in the Himalayas every year to ensure petroleum supplies during winter, when roads close and access is cut off due to heavy snow.



With the institution of the IndianOil Foundation, a non-profit organisation, in 2000, the company made a substantially tangible philanthropic statement; to adopt and nurture at least one heritage site, like Konark (right), in each state and Union Territory of India.



'Swatantrya Jyot' at the Cellular Jail National Memorial, Port Blair, set up by the IndianOil Foundation.



Chennai Petroleum Corporation Ltd, with two refineries, at Manali (above) and Nagapattinam in Tamil Nadu, became an IndianOil subsidiary in 2001. From an initial capacity of 2.5 MMTPA on inauguration in 1969, Manali has grown to 9.5 MMTPA capacity, and is one of the most complex refineries in the country.



Bongaigaon Refinery and Petrochemicals Ltd (BRPL) also became an IndianOil subsidiary in 2001. Commissioned in 1979, it was India's first petrochemicals integrated refinery and the third in Assam. With this, the IndianOil Group accounted for 10 refineries. BRPL eventually merged with the parent company in 2009.



(Above) A drum manufacturing plant.

(Right) The Panipat, Mathura, Koyali, Haldia and CPCL refineries produce various grades of bitumen.

(Facing page) IndianOil operates over a dozen lube filling plants across the country, and one in Sri Lanka, for blending over 450 active grades of Servo lubricants.







Postage stamp released to commemorate the centenary of Digboi Refinery (2001).



(Facing Page) The Centenary Park at Digboi Refinery.



Digboi's golf course is one of the oldest in the region.





DIGBOI

BIRTHPLACE OF THE
INDIAN OIL INDUSTRY

The search for oil in India began in 1866 when Mr. Goodenough of McKillop Stewart Co. drilled a well at Jeypore in Upper Assam and struck oil. However, he failed to establish commercial production. This was barely seven years after Col. Edwin Drake successfully drilled the world's first oil well in Pennsylvania, USA. In 1889, the Assam Railway & Trading Company (ARTC) struck oil at Digboi, marking the actual beginning of oil production in India.



(Facing page) The Digboi museum was established in 2002, behind the refinery. Visitors admire the life-size recreation of the historic digging of Well No.1, using simple drilling outfits under derricks with palm-thatched roofs.

(Above) The robust Borsig Main steam engine, manufactured by Borsig, Germany (1932), was employed at Digboi to run three compressors, two vacuum pumps and an electric generator at the same time.



The rights to refine this oil were granted to the Assam Oil Syndicate in 1893, and a small refinery was erected at Margherita. The Assam Oil Company, promoted by ARTC in 1899, took over the petroleum interests of Assam Oil Syndicate and commissioned a refinery at Digboi in 1901, supplanting the earlier refinery at Margherita.

Actual refinery construction started in 1900, the unit went on stream in 1901, using bench stills, and the first distillation tower was erected in 1932. The refinery is now fully modernised. Many of its employees are third-generation Digboi hands.

(Above) Open-air displays at the museum.

(Facing page) Model of a Burmah Oil Company station, displaying a manually operated dispensing pump. A black Ford Perfect, manufactured during 1949-52, and life-size mannequins complete the scene.







—2003 - 2013—
Consolidating footsteps by
investing in the future

The age old labour intensive technology of wax extraction was replaced with the commissioning of a solvent de-waxing unit in 2003. Digboi Refinery produces 40,000 tonnes of premium quality wax every year.



IndianOil's maiden IndMax unit commissioned at Guwahati Refinery in 2003 upgrades heavy ends into LPG, petrol and diesel, showcasing the Corporation's strengths as a world-class technology provider. IndianOil Technologies was incorporated the same year to market the Centre's treasury of originally developed technology.

(Facing Page) A view of the new units added at Barauni Refinery as part of revamping and capacity expansion to 6 MTPA (2002). A 500 kms pipeline was laid from Haldia in 1999 to transport imported crude oil to the refinery.







A petrol & diesel station of IBP Co Ltd. The stand-alone oil marketing company was taken over by IndianOil in 2002, leading to a larger, more formidable, marketing network. Subsequently, IBP was seamlessly merged with the parent company by 2007. Founded in 1909 as Indo-Burma Petroleum Company Ltd, it soon became an integrated company. In spite of destruction of its refineries and marketing infrastructure during World War-II, the tenacious company team once again built it from scratch as a public limited company incorporated in India. As business expanded with diverse activities, it was renamed as IBP Company Ltd in 1983. Besides three business groups (Petroleum, Cryogenics and Explosives), IBP could boast of several subsidiaries like Balmer Lawrie, Biecco Lawrie and Bridge & Roof. The Cryogenics group has a standard range of pressurised Cryovessels starting from 100 to 1000 litres.



(Facing page) 2004 marked the commissioning of the world's largest single-train kerosene-to-LAB (linear alkyl benzene) plant, with an annual capacity of 120,000 tonnes, at Koyali Refinery. IOC LAB has captured a significant domestic market share in a very short span of time, and is exported to many countries.



IndianOil's Sri Lanka venture, set up in 2003, was the first overseas downstream marketing operation by an Indian petroleum company. It entered petroleum retailing by acquiring over 100 petrol/diesel stations of Ceylon Petroleum Corporation.



The sprawling China Bay tankfarm of World War II vintage was acquired by Lanka IOC Pvt Ltd, in 2004. The tankfarm connects to the Trincomalee harbour for fuel receipt, storage and supply and is being developed in line with growth in volumes.

What would you do if the merchant navy made you a lucrative career offer when you were just nineteen?

Vikram Batra decided to turn his back on it.

Unusually, the teenager lived by old-fashioned notions like duty and patriotism.

And inevitably, in December 1997 he joined the Indian Army.

Eighteen months later, a sailing career was the last thing on his mind as he crawled through a barbed wire trench with the 13 JAK Rifles near Kargil.

Inch by agonising inch, they closed in on Point 4875 even as

the steel barbs slowly tore through their bodies. When all of a sudden, Captain Batra felt his ears go numb.

And almost in slow motion, like in the movies, his fellow officer's legs vanished in a puff of enemy smoke.

Amidst the mayhem that followed, the young Captain was faced with a choice.

Before him lay a comrade whose time was speeding away.

While behind him lay life, fame and a hero's welcome.

Four years have passed since he made his decision.



WHAT CAN INDIA'S ONLY FORTUNE GLOBAL 500 COMPANY LEARN FROM A MAN WHO OPTED OUT OF A COMFORTABLE CAREER.

And even today, awe-struck colleagues tell of his unflinching leap into the trench to save his friend, of how he was shot while in mid air and how, even with a hole in his chest he found the raw courage to destroy the enemy bunker before finally breathing his last.

The Late Captain Batra's career lasted just 18 months but it will live on forever.

Proof of which can be found on a medal at his home bearing three immortal words.

Param Vir Chakra.

Sometimes an ordinary Indian can make a Rs 120,000 crore company feel humble. Even a

company whose oil depots bore the brunt of the shelling at Kargil.

And still stands shoulder to shoulder with our soldiers in any conflict.

A company that defies logistics and flying missiles to meet 90% of the vital petroleum needs of the Indian Defence Services. Simply because, we know that for every step we take, there's an inspired Indian like Captain Vikram Batra leading the way.



Param Vir Chakra



IndianOil in the thick of action at Kargil



INDIA INSPIRED

IndianOil's 'India Inspired' print and television advertising campaign, launched in 2004, drew accolades from all quarters for highlighting the extraordinary achievements of ordinary Indians. One of the advertisements featured Vikram Batra (in picture), the hero of the Kargil conflict, who was awarded the Param Vir Chakra posthumously. IndianOil honoured the martyr by allotting a petrol & diesel station at Palampur, Himachal Pradesh, to his family. A television commercial of the same genre, which became popular as the 'elephant train' advertisement, bagged the prestigious RAPA (Radio & TV Advertising Practitioners Association of India) Award for 2005.





(Facing page) A state-of-the-art oil storage terminal of IndianOil Mauritius Ltd (IOML) was commissioned at Mer Rouge in Port Louis, Mauritius, in 2004. IOML was the first overseas subsidiary of IndianOil, incorporated in 2001.

One of the 17 IOML petrol & diesel stations in Mauritius.

IOML holds maximum share in the aviation fuel business of Mauritius.





As part of customer segmentation, exclusive outlets, branded 'XTRACARE', were unveiled from December, 2004. Sited in select urban and semi-urban markets, they dispense the full range of synergistically branded fuels, besides value-added services, to enhance customer satisfaction.

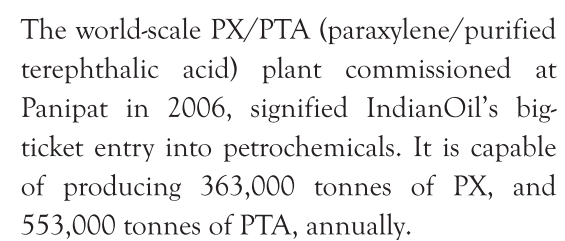
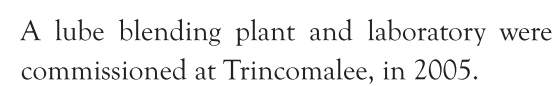


Beginning October, 2004, large format 'Swagat' outlets, with value-added services, were introduced on highways.



In 2004, IndianOil commenced marketing of regassified LNG (liquefied natural gas), sourced from its JV company Petronet LNG Ltd (launched in 1998), as a cleaner, environment-friendly source of energy.









Beginning with 2005, the Government of India allowed the company to charter ocean carriers on its own for oil imports, instead of going through Transchart, the chartering wing of the Ministry of Shipping & Transport. This landmark decision helped reduce freight cost and further streamline the business processes from crude procurement to processing.



(Above) Mathura Refinery, primarily a fuel oil refinery producing middle distillates, became the first in India to produce Euro-III compliant diesel and petrol in 2005.

(Right) A Compressed Natural Gas dispensing station of Green Gas Ltd. in Lucknow.

Incorporated in 2005 with GAIL (India) Ltd., IDFC and Infrastructure Leasing & Financial Services Pvt. Ltd., a joint venture, focuses on city gas distribution.





Prospecting for oil in the Sirte basin of Libya. IndianOil signed an exploration & production (E&P) sharing agreement with the National Oil Corporation (NOC) of Libya, Africa for two blocks in the basin, in 2005.

The company had entered E&P at the turn of the millennium, with the award of two domestic blocks in 2000, and 10 more (two of Coal Bed Methane) in 2001, as a consortium partner under the New Exploration Licencing Policy of the Government of India.

Exploration for oil at an Offshore block in Gabon, Africa, in which, IndianOil acquired 45 per cent participating interest in 2006.



For customers in rural areas, IndianOil launched its special format Kisan Seva Kendra (KSK) in 2005 as one-stop shops for petroleum fuels & lubricants, hybrid seeds, fertilisers, pesticides, farm implements, spare parts for trucks, tractors, and pump sets, etc. Perhaps the biggest ever rural petroleum brand in the world, KSK won IndianOil the 'Most Admired Retailer of the Year' award in the rural retailing category at the India Retail Forum, 2008.



(Right) The areial view of Chennai-Trichy-Madurai product pipeline at Valavanthankottai near Trichy in Tamil Nadu.

The commissioning of the 526-km Chennai-Trichy-Madurai product pipeline (2006), the longest in a state, helped strengthen IndianOil's marketing network in the south.



An IndianOil bowser refuels flights at Leh.

Over the years, the fuelling facilities of the Company did not stop at busy or not-so-busy airports, but reached out to remote stations where only an occasional aircraft or helicopter lands. On an average, the Company refuels an aircraft every 1.5 minutes, with sales of over 3.6 million kl of aviation fuel annually.





Crude oil storage tanks at IndianOil's Mundra terminal on the west coast. The Kandla-Bhatinda pipeline was converted from product to crude oil service in 2006, and renamed Mundra-Panipat; facilities for handling heavy crude oil were commissioned here in 2007, and its capacity was to be upped from six to nine MMTPA later, in 2009.

In 2007, IndianOil came up with the concept of 'LNG at the doorstep' for industrial customers located away from main gas pipelines. Direct LNG supply was made possible by transportation of the product in specially designed cryogenic tank-trucks.





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- Limit use of funds on each card.
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The loyalty programme, 'XTRAPOWER', launched in 2004, is the largest fleet card in the market while 'XTRAREWARDS' has grown to become India's first online rewards programme for loyal customers since its launch in 2007.



Now get used to getting XTRA.

Get special offers every time you fill up here.

Alliance partners

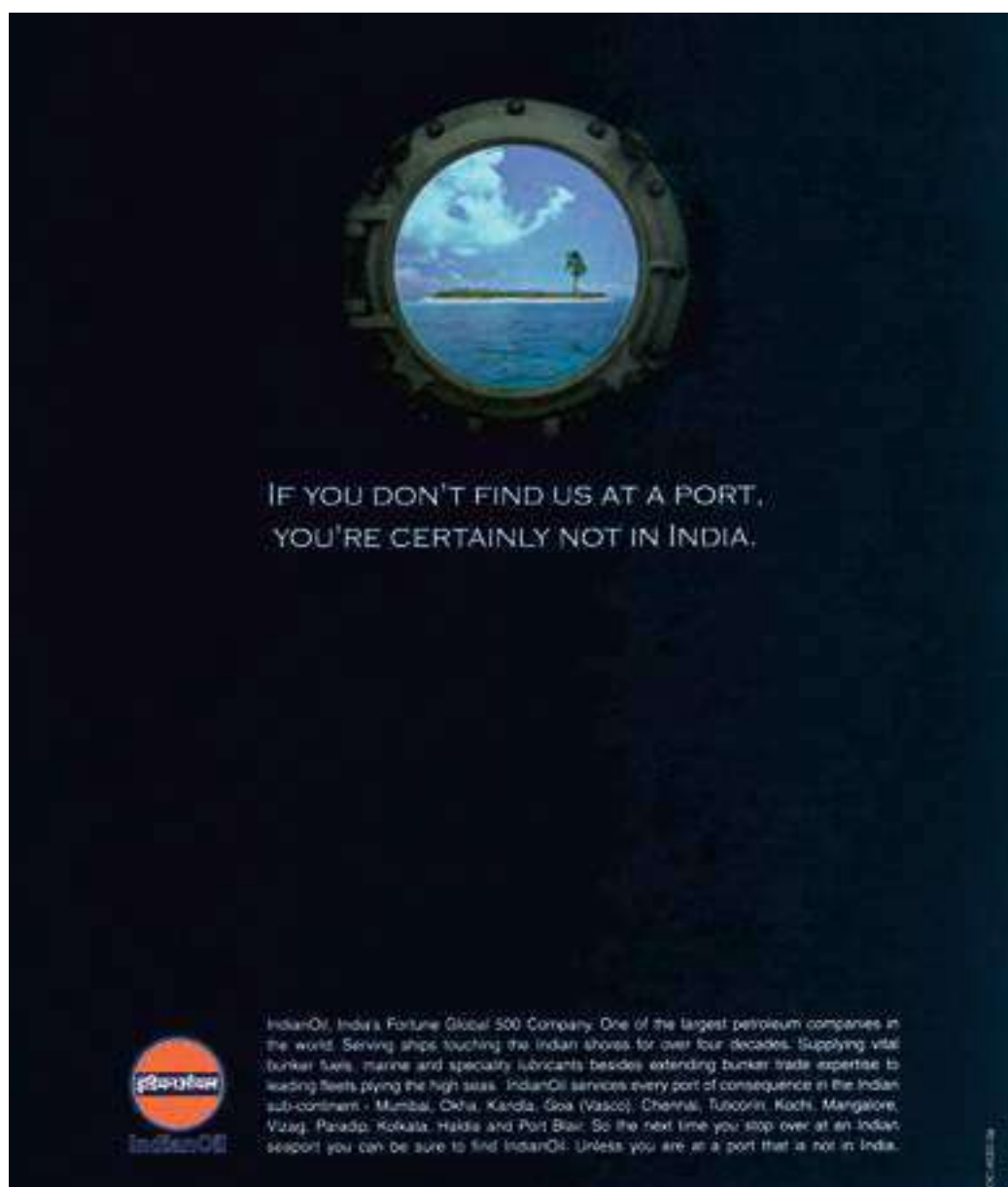


XTRAREWARDS
XTRAREWARD XTRA VALUE.

For more information, call toll-free: 1800-22-6888.



Advertisement released of the launch of Servo lubricants in Oman (2007). IOC Middle East FZE (IOCME) was established as a wholly-owned subsidiary in the UAE, in 2006, to blend and market the company's flagship *Servo* lubricants, as well as develop business in the Middle East, Africa, and the CIS nations. Backed by blending arrangements in Dubai, *Servo* has footprints in several West Asian markets, including UAE, Yemen, Qatar and Bahrain.



With gradual expansion of the marine business, IndianOil now supplies all types of bunker fuels and lubricants to Indian shipping and dredging majors, vessels visiting Indian ports, and fulfils 100 per cent of the Navy's requirements.



IndianOil today operates 167 bulk storage terminals, depots and installations with a combined capacity of 68.62 lakh kl to back up its countrywide marketing network.

Additional storage capacity was created to ensure continuity of supplies for customers in inaccessible areas.





Originally designed as a six-MMTPA refinery, Panipat Refinery doubled its capacity in 2007 as part of a huge enhancement programme.



Construction in progress for the naphtha cracker and downstream polymer units at Panipat (2007). With the commissioning of this plant by 2010, IndianOil aspires to emerge as one of the top players in petrochemicals in Asia, and has projected about 15 per cent of its revenues to come from this vertical within the next three years.



A petrol & diesel station of Assam Oil Division (AOD) at Tawang in Arunachal Pradesh, with the 'charging rhino' on prominent display. The marketing operations of AOD were integrated at the back-end with those of the parent company, IndianOil, with effect from 1st April 2008, for greater synergy and enhanced customer service. Hitherto, since constitution as a separate division in 1981, AOD's marketing operations were running in parallel with those of the parent company in the seven states of the northeast.

Satyaprakash Tiwari, IndianOil's high-performing retail station dealer (in the physically handicapped category) at Navi Mumbai, interacts with customers. The company offers retail outlets and LPG distributorships to beneficiaries from economically and socially deprived sections of society; para-military, police and government personnel; and outstanding sports persons, a third of which are reserved for women.



(Facing Page) The facilities of IndianOil Skytanking Ltd at the New Bangalore International Airport. IndianOil unveiled the subsidiary in association with Indian Oiltanking, and Skytanking, Germany, for extending state-of-the-art refuelling facilities at new and upcoming airports.





Where size matters

P R O J E C T S

In terms of cost, complexity and size, petroleum refining technology has come a long way since the days of bench stills erected at the Digboi Refinery, more than 100 years ago.

The one-MMTPA Guwahati Refinery, set up in the early 1960s, cost a mere Rs. 2 crore. Koyali Refinery added a third one-MMTPA unit in 1967, at a cost of Rs. 3 crore.

In contrast, a standard-size 15-MMTPA refinery, like the one being set up at Paradip, is likely to cost more than Rs. 30,000 crore.

Today, refineries guzzle steel and technology in equal measure. The latter has moved far beyond fractional distillation, to chemical processing, involving conversion, alteration, cracking, combining, reforming, treating and blending of individual components, to produce a plethora of products as per modern day demands. In terms of size too, the economies of scale have tipped towards large, complex units capable of processing all types of crude oil to produce



any type of products. This necessitates incorporation of giant boilers, columns, furnaces and reactors. In 2008, Haldia Refinery erected two giant reactors for its once-through hydrocracker project. Manufactured and supplied by China Petroleum Technologies and Development Corporation, their function was to produce high-quality Euro-IV compliant products from low-quality feedstock. Panipat Refinery achieved a similar feat in 2009 by erecting two diesel de-hydro desulphurisation-technology (DHDT) reactors for production of diesel conforming to Euro-IV norms. Space constraints and approach problems within running units made the task particularly challenging.

(Facing page) The over-dimensional cargo for the Haldia Refinery was carried from Shanghai to Haldia in a specially modified vessel, the *MV Stellaprima*.

The two reactors, each weighing more than 500 tonnes and over 20 metres in length, and eight containers of auxiliaries, being unloaded at Haldia jetty.







(Facing page) Transport to the project site was by a specially arranged 256-wheel heavy load trailer. Before this, a route survey, and civil works, wherever necessary, were carried out.

Two cranes of 1,200 tonnes capacity were employed for the erection of the reactors.



A major landmark was achieved in 2008, when the company's first LPG pipeline from Panipat to Jalandhar went on stream. It added 274 km more to IndianOil's ever growing network. Diversification from liquid fuel pipelines into LPG and natural gas pipelines will tap the growth potential of the emerging fuel.



A 47.5 kg LPG cylinder for bulk consumers, introduced in 2008.



Dirok-1 well in Assam, through which gas was discovered in 2008. IndianOil farmed-in in the Assam block, with 27 per cent participating interest, in 2002. The company has bagged two on-land Type-S blocks in the Cambay basin, with 100% participating interest and operatorship, in the seventh round of NELP (2008).



IndianOil-CREDA Biofuels Ltd, a joint venture set up with Chhattisgarh Renewable Energy Development Agency, in 2009, is pursuing commercialisation of bio-fuels as an alternative, renewable source of energy. IndianOil R&D had already executed projects utilising 5 to 10 per cent bio-diesel blends with several agencies: trial runs have been made on Shatabdi Express train locomotives, Tata Motors employee buses, and Haryana Roadways coaches.





IndianOil celebrated its Golden Jubilee in 2009. At a function held in Vigyan Bhawan, New Delhi, on 30th June 2009. Her Excellency, the President of India, Mrs. Pratibha Devisingh Patil, released a postage stamp commemorating the golden milestone in the presence of a distinguished gathering. On the occasion, the Hon'ble President said, "Fifty years of this organisation are symbolic of India's efforts to build its own energy industry with a view to achieving self-sufficiency and thereby meeting the strategic requirements of energy security."



The stamp depicts the company's commitment and dedication to the national objective of self-sufficiency in the energy sector, especially in oil refining and marketing.



The occasion marked the launch of the *IndianOil Geet* (song), capturing the collective emotions and aspirations of the team of IndianOil in evocative lyrics that resounds with the words "**IndianOil, Meri Pehchhan Hain; IndianOil, Meri Abhimaan Hain,**" Penned by Harish Arora and set to music by Dr. Palash Sen and his popular music group, Euphoria (in the picture), the song rides on the firm resolve of the team of IndianOil to play a proactive part in the nation's growth.





At the same venue that day, the Minister of Petroleum & Natural Gas, Mr Murli Deora, unveiled the company's new 'Vision with Values.' Based on an exhaustive three-tier process initiated across the organisation, the Vision has the Company's core values as its foundation, and Ethics, Customers, People, Technology, Innovation and Environment as its corner stones. In Mr Deora's words, "IndianOil is one of the greatest success stories of the Indian public sector. The company has played the admirable role of a nation-builder in the past five decades, touching the lives of each and every Indian."



As part of a unique 'Intent-2-Implement' exercise held in 2005, the company unveiled 'Care, Innovation, Passion and Trust' as the core values inherent in its work culture. Besides review of business goals in the light of these values, innovative dissemination of the values proposition, across the organisation, and their incorporation in the ePMS evaluation system for executives, this led to the formulation of the next 'Vision with Values' in 2009.



The first batch of the polymers were dispatched from the downstream polymer units at Panipat and the Naptha Cracker in 2009.

Petrochemicals have been identified as a significant factor of future growth by IndianOil.

IndianOil is focusing on increasing its presence in the domestic petrochemicals sector besides the overseas markets through systematic expansion of customer base and innovative supply logistics.



First ever VLCC time charter was hired by IndianOil in 2009. This marked the first step towards Energy Security for crude oil imports. IndianOil commissioned its second SPM (Single Point Mooring) at Paradip.



The 330-km Paradip-Haldia crude oil pipeline system (2009), with an SPM off Paradip on the east coast, has enabled substantial logistics and cost benefits. The IndianOil network crossed the magic figure of 10,000 km in 2009. Projects in the pipeline, so to speak, aim to add several hundred more km through 2011-12.



The Sri Lankan subsidiary, Lanka IOC P.L.C. opened its first ServoXpress outlet in the country. ServoXpress, the company's one-stop shop for vehicle care, opened on 22nd May 2009 and will be managed by one of Lanka's lubricant distributors, Mineral Springs Pvt. Ltd.



In September 2009, a Mongolian ship called 'Black Rose' carrying 4 tonnes of furnace oil as well as 24 tonnes of diesel sank off the Paradip waters.

The accident triggered oil spill, endangering marine aquatic lives in the region. For the first time, efficacy of modified OiliVorous-S technology for bio-remediation of oily sludge was successfully demonstrated for marine application for bio-remediation of oil spillage caused by a sinking ship (Black Rose) at Paradip port.



MILESTONES – 2009

- Indian Oil played a vital role in the Rajiv Gandhi Gramin LPG Vitran Yojna was introduced to distribute LPG in all the rural kitchens. This initiative was launched due to the lack of full-fledged and viable distribution network in the remote areas.
- Commissioning of a grassroot depot at Zewan, Srinagar and a new bulk petroleum installation was completed at Those in Ladakh, located at 140 km from Leh across the Khardungla Pass, to cater to the requirements of the Indian Air Force base, overseeing Siachen operations. With the current expansion in place, IndianOil hit another successful milestone with a project execution at Haldia Refinery. IndianOil also commissioned the prestigious Once Through Hydrocracker Unit (OHCU) at Haldia, setting a new benchmark in project execution.
- The biggest product dispatch infrastructure of Paradip Refinery is the captive South Oil Jetty, the first-of-its-kind in India made for a Greenfield coastal refinery.
- The Naphtha Cracker Complex, built at a cost of Rs. 14,439 crore provides a significant impetus to the company's ambitious foray into Petrochemicals.
- The Corporation's thrust in environment friendly practices gave rise to the Flare Gas Recovery project commissioned at Haldia Refinery on 4th March 2009. It was a significant turning point in the company's CDM plans and projects. Through the Flare Gas Recovery Project, the refinery extended a helping hand in curbing the emission of Green House Gas. The Flare Gas Project recovers waste gas, which was being flared, and

utilizes the recovered gas for process heating requirements in the refinery. The project reduces Green House Gas Emission to the tune of 17,600 CER per annum.

The Project received United Nations Framework Convention on Climate Change Registration on 19th February 2009. This unique and technologically driven project is considered as one of its kind in the world to be registered with the UNFCCC as per New Methodology.

- In line with its vision to be the 'Energy of India', IndianOil has signed a memorandum of understanding (MoU) with the Nuclear Power Corporation of India Ltd. (NPCIL), for investing in the vastly promising nuclear energy sector in the country.
- The city of Konark, Odisha is aimed to be India's first 'Zero Emission City' by 2022. In line with this vision, IndianOil launched its first solar charging station in Puri.
- This was a milestone year for Research & Development centre, with the beginning of research in Petrochemicals and Nanotechnology. Bio-energy research picks up to tap future growth. IndianOil's foray into petrochemicals is marked by the birth of brand PROPEL. PROPEL brand of Petrochemicals covers over 80% of all conceivable application of plastics.

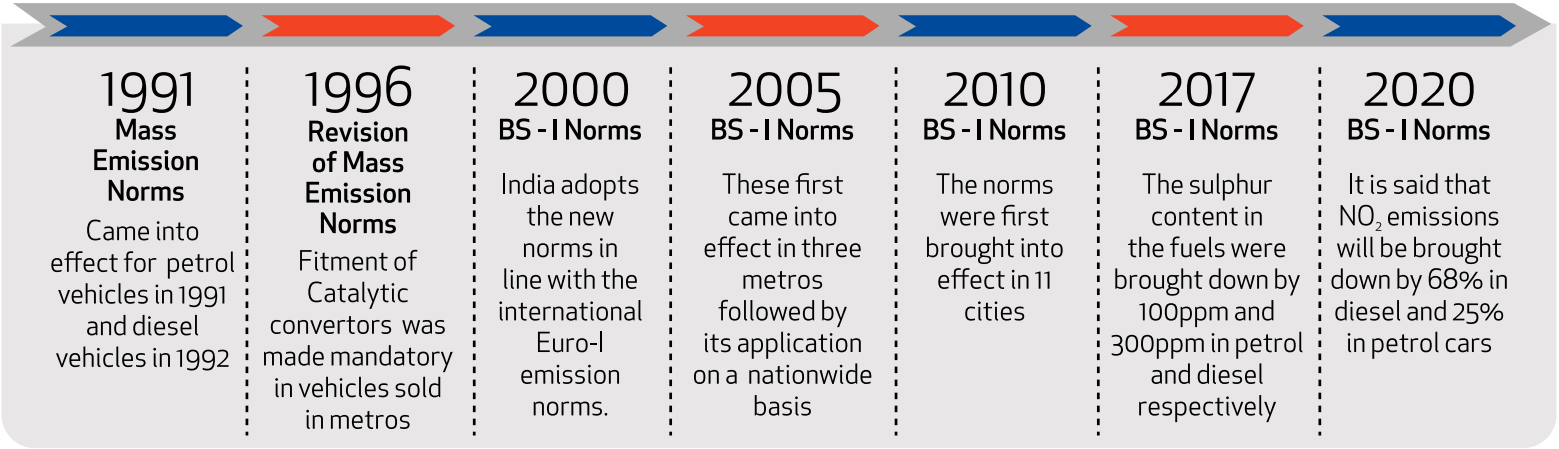
Every success story is a tale of constant growth, adaption and change. A public listed subsidiaries Bongaigaon Refinery & Petrochemicals Ltd. (BRPL) merged with Indian Oil on 25th March 2009 was a crucial one step towards growth.



To regulate the emissions of air pollutants from motor vehicles, the Government of India instituted the Bharat Stage Emission Standards (BSES). The BS-IV compliant fuels have low Sulphur level at 50 ppm. Under BS-III norms, petrol and diesel have Sulphur content of 150 ppm and 350 ppm, respectively. The reduced Sulphur content will greatly lower air pollution levels caused by auto emissions. With the new regulations in place, IndianOil began to switch to the recent standards by gearing up to transport Bharat Stage-IV grade fuels from refineries to marketing centres across the country, in the year 2010.

The first batch of the Bharat stage IV grade petrol was made available to the National Capital Region in January 2010. For producing BS-IV complaint fuel, approximately Rs. 1,800 crore were invested towards revamping the 3 units at Gujarat Refinery.

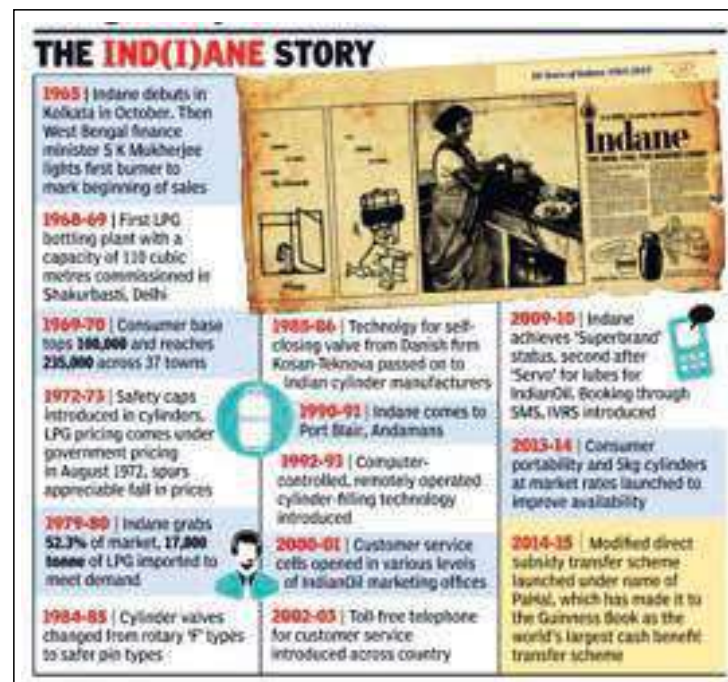
IndianOil’s quick response to switch from III grade to IV grade compliant transportation fuels across the county was well achieved before the deadline of 1st October 2010.





Research and Development centre's pioneering activities has proven to be a milestone with every passing year. R&D got engaged with the research activities in Polymer and Petrochemicals in 2010, alongside rendering technical support in the similar field to enhance product quality & reduce production costs.

Another feather to the hat was added when IndianOil's Indane became its second energy brand to earn the coveted status of a 'Superbrand' in 2010. Today, the brand may have become a generic name for cooking gas. But rarely known, its journey over the last 57 years into the cult of great brands has been inspiring and full of achievements.



MILESTONES - 2010

- A 132 km long Natural gas pipeline operating from Dadri-Panipat was commissioned in this year. This pipeline is interconnected with GAIL's Hazira-Vijaipur-Jagdishpur Pipeline/ Dahej-Vijaipur Pipeline network at Dadri.
- The Company regained its position as the nation's largest refiner, with the capacity expansion at Panipat Refinery from 12 to 15 MMTPA within the existing refinery complex. Panipat Refinery is IndianOil's seventh and one of the most technically advanced refineries of India. Spread over a humungous area of around 4222 acres of land, Panipat Refinery & Petrochemical complex is located in the historic district of Panipat, meeting the demand of petroleum products not only in Haryana, but in the entire North-Western region.
- In response to expansion in the downstream polyester sector, a Mono Ethylene Glycol (MEG) plant was commissioned at Panipat Naphtha Cracker Complex, Panipat, Haryana in April. The fully integrated plant uses Ethylene produced by Naphtha Cracker as the main feed Stock for manufacture of MEG.
- IndianOil's one of the corner stones, i.e., to strengthen the relations with customers and grow leaps and bounds was duly taking its course. All India toll free numbers for Customer feedback, queries, SMS/IVRS facility for ease and convenience of LPG booking was implemented seamlessly, in 2010
- Eventually becoming the largest supplier of Mono Ethylene Glycol (MEG) in the domestic market, with asupply ranging between 16000-22000 MT every month. Continuing the foray of Make in India initiative and horizontal integration in the Hydrocarbon value chain, IndianOil established a world scale Naphtha Cracker plant at Panipat Refinery. The naphtha cracker complex which is one of the largest of its kind in India comprising Naphtha Cracker Unit (NCU), NCU associated units, High Density Polyethylene (HDPE) Unit, Swing (LLDPE/HDPE) Unit, Mono Ethylene Glycol (MEG) Plant, Polypropylene (PP) Units and Utilities including Captive Power Plant was commissioned between March and May in the same year. The world-class Panipat Naphtha Cracker was built firm with a whopping cost of approx. Rs. 14,439 crores.



TRIVIA BEHIND THE SCENES

Hydrocracker unit and additional refining capacity inaugurated and dedicated to the nation at Haldia Refinery by the Hon'ble Union Minister of Finance, Shri Pranab Mukherjee on 25th December 2010 in the presence of Shri Murli Deora, Hon'ble Union Minister of Petroleum & Natural gas and other VVIP dignitaries.



Bongaigaon Refinery commissioned India's first Diesel hydrotreater and Light Naphtha Isomerization unit designed with Indigenous technology in 2011.

Consequent upon the amalgamation of Bongaigaon Refinery & Petrochemicals Limited (BRPL) on 25th March 2009, IndianOil commissioned its eighth refinery, a turnkey project in diesel hydrotreater at Bongaigaon. The unique refinery has the existence of over 45 long years, striving to meet the energy needs of not just the state but also the rest of the nation.



In sheer volumes as well as value, SERVO became India's single largest oils & lubes brand in 2011. Over the years, it has established its authority and, on the strength of its proven quality, has built exceptional relationships with automobiles and specialty engine manufacturers. To bridge the supply and demand gap by tapping into the untapped markets, Grameen SERVO Stockist initiative was launched to boost rural lubricant sales. Servo also was formally launched in the Kingdom of Bahrain at a glittering function held with Mr. Mohan Kumar, Indian Ambassador to Bahrain, as the Guest of Honor.





Meanwhile, Indane was touching the sky highs, literally. The supply of Indane was commenced at the highest village in Asia in Himachal Pradesh, called Komic in Lahaul-Spiti.

With its belief system and vision in place, brand Indane holds the world record of selling domestic LPG at the highest place in the world in Komic, besides operating the world's highest bottling plant at Leh. IndianOil's kerbside pump at Debring, a camping site on the Manali-Leh highway in Ladakh was inaugurated in October 2011 at an unbelievable altitude of 15,750 ft.



On the road of expansion, Panipat Naphtha Cracker was dedicated to the nation on 15th February 2011.



MILESTONES - 2011

- IndianOil's world-class Research & Development with its commitment to innovation and sustainability, achieved another milestone this year. The Corporation ushered into Hydrogen economy with a breakthrough invention of the Compact Reformer technology for single-step blending of 18% Hydrogen with CNG. This quantum leap eliminated the need for high pressure blending and thus, drastically reduce the cost of producing H-CNG blends.
- To accelerate the findings and development into second and third generation of bio-fuels and commercialization of advanced bio-fuel technologies, the DBT-IOC Centre for Advanced Bioenergy Research was commissioned.
- For some years now, bio-fuels seem to be an eco-environmentally way of reducing dependence on quickly degrading fossil fuels. With commercially driven research in bio-fuels, IndianOil's R&D Centre is in the league of front-line institutions engaged in such work. The DBT-IOC centre for Advanced Bioenergy Research is jointly funded by Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India and Indian Oil Corporation Limited (IOC), India's largest commercial enterprise by revenue.



TRIVIA BEHIND THE SCENES

IndianOil acquired stakes in Houston-based Carrizo Oil & Gas's Niobrara shale asset in Colorado for \$ 82.5 million via a consortium formed with Oil India Ltd. The deal marks the first investment by the two state companies in shale assets in the United States. As part of the transaction, Oil India and IndianOil received a 30 percent interest in Carrizo's existing production of about 1,850 barrels of oil-equivalent a day from 24 gross wells.

11th April 2011

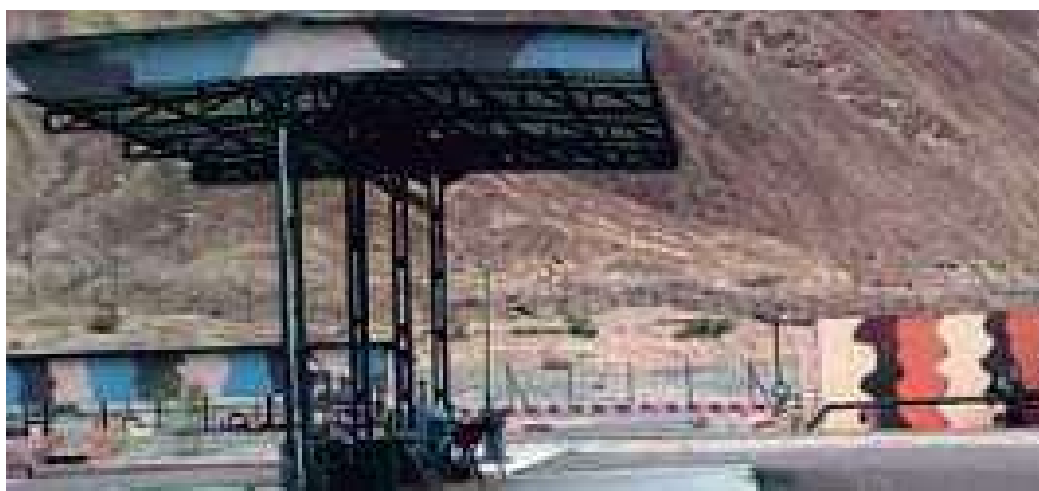
IndianOil achieved the
MAHARATNA status





Guwahati Refinery completed, 50 glorious years, on 19th March 2012. The Refinery was inaugurated and dedicated to the nation, on 1st January 1969 by Honourable Prime Minister Pandit Jawaharlal Nehru.

A strategic AFS, 70 km from Pakistan border was commissioned at Thoise in 2012. Thoise is not a real name but an acronym that stands for Transit Halt of Indian Soldiers enroute (to Siachen) This fuel can withstand extremely low temperatures of around minus 33 degrees celsius. IndianOil's special winter-grade diesel came in as a boon to the residents of Ladakh and supports the Defense forces.





During the year 2008-09 and 2012-13, the sales through Kisan Seva Kendra outlets grew at a CAGR of over 30%, resulting in almost three-fold increase in sales. Kisan Seva Kendras (KSKs) are rural retail outlets of IndianOil where all customers who come for refueling are serviced. As per market requirement, Indian Oil Corporation Limited Kisan Seva Kendras (IOCL KSKs) that provide allied facilities like Micro ATM, Convenience Store, Fertilizers/Pesticides, farm equipments etc.

The foundation stone for INDAdapt, a patented technology for gasoline desulphurization was laid at Guwahati Refinery in 2012. The INDAdapt is a reactive adsorption-based process for production of low Sulphur gasoline component meeting BS-VI/Euro-VI Sulphur specification.





IndianOil laid the foundation stone for its ambitious 41 crore peripheral development and beautification of Konark Sun Temple under IndianOil foundation in 2013. The aim of every project under IndianOil Foundation is to preserve the glorious heritage of India.



India's first world-scale E-SBR facility was set up by Indian Synthetic Rubber Private Limited in the industrial town of Panipat, Haryana in 2013. The state-of-the-art, Greenfield facility is a trail-blazing venture, which epitomizes international cooperation and synergy amongst global giants. The project implemented by ISRPL (formerly known as ISRL), a joint venture of IndianOil, Trimurti Holding Corporation (THC), BVI (a 100% subsidiary of TSRC Corporation, Taiwan) & Marubeni Corporation, Japan, was commissioned in November, 2013.

MILESTONES - 2013

- IndianOil's Lubricant Brand SERVO commenced exports to three new overseas destinations – Madagascar, Maldives and Kenya, thus expanding the reach of the brand to 24 overseas markets. SERVO upped the game by launching premium grade SERVO Futura Synth, a 100% synthetic lubricant, made from poly alpha olefins (PAO) base oils that provide the ultimate performance in terms of cleaner engine and longer engine life for cars and SERVO 4T with advanced synthetic chemistry.
- IndianOil's Aviation maintained its leadership during the year. The Company once again proved its credentials as a reliable partner of the army and para-military agencies by carrying out nearly 2,300 aircraft refueling during the relief and rescue operations undertaken in Uttarakhand in July 2013.
- Aadhar based direct benefit transfer of LPG subsidy for consumer was launched in Tumkur district. Under this scheme, advanced subsidy is transferred to bank accounts of LPG consumers of public sector oil marketing companies. The objective is to eliminate pilferage and duplication.
- The dynamics of the Indian oil industry changed overnight when the Government announced dual policy in the case of (high speed diesel) HSD. This scheme did cause some turbulence in terms of sales but IndianOil still maintained its coveted status as the lead supplier to the railways, Defense services, and several major bulk consumers.
- IndianOil marched towards growth and another revolutionary milestone. i.e., the sale of 5kg LPG cylinders at Retail outlet along with portability scheme for LPG connections. This was one the many projects that reformed the traditional kitchens and introduced modern, accessible and cleaner ways of cooking.
- Project Chetna was launched to impart professional training to customer attendants at the petrol and diesel stations. IndianOil conceptualized and implemented Project Chetna with the goal to train about customer attendants deployed in the company's over 20,000 retail outlets across the country. A structured training module was developed covering basic product knowledge, process training, automation, safety, communication and life skills. The training was imparted through retail field executives. The objective of this training project is to develop the positive outlook of customer attendants towards their job and courteous behavior towards customers.
- In October, Butadiene extraction unit was commissioned for extracting 1,3-Butadiene from cracked C4s. 1, 3 Butadiene is used for production of Styrene Butadiene rubber by neighbouring M/s ISRPL. Butadiene is also sold to Domestic Customers.



TRIVIA BEHIND THE SCENES

IndianOil management is deeply conscious of the potential risks of the safety hazards prevalent in the hydro-carbon industry. The company launched a safety culture improvement project in sync with their values and practices, called SEED (Safety in Each and Every Deed) in 2013 at Gujarat Refinery in association with M/s DuPont, the global leader in employee safety.





—2014 - 2022—

Milestones encouraging the onwards flight

Waterfront Outlets serve the busy backwaters of Kerala.



Mega scale project, Butene-1 unit at Panipat Refinery was commissioned on May 2014. This state-of-the-art unit marked IndianOil's first ever venture into the production of Butene-1, an export substitute that is used for the production of several grade of LLDPE and HDPE Polymers.



Adding yet another feather in the cap, IndianOil R&D in collaboration with Lanzatech, USA developed a game-changing technology with a vision to reduce carbon footprint and produce high-value products such as DHA in 2014.



With successful sub brands and initiatives, like PROPEL, attached to its name, IndianOil established itself as the **second largest player** in Petrochemicals in the country in 2014, with a wide range of established products.



MILESTONES - 2014

- In September, the State of Jammu and Kashmir suffered devastating flash floods, IndianOil teams stationed in the region at Srinagar, Jammu and Chandigarh acted quick to their wits. The Company along with defence and civilian authorities implemented a contingency plan for immediate rescue supplies to the flood-affected areas through alternative, round-about routes on tough, mountainous terrain. IndianOil was the only petroleum company to have established its infrastructure in this inhospitable terrain and operating since the 1970s. Against all odds, aviation teams at Srinagar, Jammu, Leh and Chandigarh airports as well as at Avantipur air force base, worked shoulder to shoulder to refuel the rescue operations undertaken by the armed forces.
- IndianOil also entered niche product segments like Styrene Butadiene Rubber (SBR), Butene-1, and Butadiene. In 2014, the Corporations' JV Company, became the first in the country to produce SBR, a 100% import substitute product.
- Apart from carrying out path breaking research in core petroleum activities like Lubricants, Refining, Petrochemicals and Pipeline; IndianOil R&D is pursuing pioneering work in promising & futuristic Alternate Energy segments like Bio-Energy, Solar Energy, Hydrogen, Energy Storage, Battery, CCU Technologies etc. In order to accelerate the Atmanirbhar Bharat campaign, IndianOil R&D forayed into 2G cellulase enzyme technology to replace costly imports.
- Being the first to make a move, at the industry level, IndianOil ushered into World's largest cash transfer program (households), Pratyaksha Hasta Antartit Laabh (PAHAL). PaHal, the world's largest direct transfer scheme for LPG cooking gas, on all India basis.
- The Government of India launched the 'PAHAL' Scheme in 54 districts of the country by November 2014 and in remaining districts of the country on 1st January 2015.
- Under the scheme, each LPG consumer had to link his Aadhaar number in the LPG database and in the bank account database. Alternately, LPG consumers who do not have Aadhaar number could also get subsidy into their bank account by simply linking their Bank Account with their LPG database.
- IndianOil's Project Chetna that was inspired to deliver value driven customer experience has achieved a benchmark in training over 98,000 customer attendants in 2014 and won the ATD (Association for Talent Development, USA) 'Excellence in Practice-2014' citation, which is a matter of great pride for the Company.
- IndianOil's ambition to create world class LNG infrastructure, led to implementation of Ennore LNG Import, Storage, and Regasification Terminal Project of 5 MMTPA capacity with provision to expand up to 10 MMTPA with an estimated cost of Rs. 5151 Crores inside the Kamarajar Port, Chennai.
- With an aim to expand and upgrade natural gas pipelines, IndianOil laid a 1,167 km long pipeline to reach LNG import at Ennore to Nagapattinam, Tuticorin, Madurai and Bengaluru.



TRIVIA BEHIND THE SCENES

The foundation stone was laid for the Poly-Propylene Plant at IndianOil's Paradip Refinery Project complex, Paradip on 16th November 2014. IndianOil has always been on the forefront to support the nation especially during trying times.



Barauni Refinery completed 50 glorious years in service to the nation in 2015.



Fueling the airways, IndianOil Aviation completed 50 years in 2015. Besides serving the Defense services and all leading domestic and international airlines through its humungous network of 101 aviation fuel stations, IndianOil has gone leaps and bounds and beyond the call of duty during natural calamities to maintain a steady supply of products across the nation 24x7, 365 days.

MILESTONES - 2015

- Consumer mobile apps like XtraPower, Fuel@IOC and X-Sparsh were launched.
- IndianOil's XTRAPOWER Fleet Card Program is a complete Fuel and Fleet Management Solution for the Logistics Industry. Xsparsh is a mobile application for IndianOil Dealers, to give them real time business information on various dealer related concerns. Fuel@IOC, mobile application is designed to help the customer locate retail outlets (ROs).
- The supply and distribution infrastructure has proven to be a symbol of strength with the support of fully automated 'smart terminals' and fuel stations and leading all the way up in the retail transformation arena. In order to provide superior customer service and the evidence is India's first smart terminal was inaugurated in Chittoor by IndianOil.
- The trail-blazing Research and Development Centre's prolific and innovative output of over 450 patents, applied technologies, yield-enhancing refinery processes like INDMAX, OCTAMAX, IndAdeptG, etc., are the other achievements that added sheen to IndianOil's brand value. The commitment to deliver products and process technologies that help address issues of national importance to attain self reliance in field of energy and allied areas.
- IndianOil launched a start-up fund with a revolving corpus of Rs. 30 crore to promote propitious start-ups and nurture conducive environment for innovations in the domestic hydrocarbons sector. Driven by IndianOil R&D, the scheme supports projects that aim to establish innovative technology and business process re-engineering ideas with significant business potential, social relevance and focused on environmental protection.
- IndianOil generated Intellectual wealth of over 50 patents with start-ups selected under Rounds 1 & 2.
The first lot of crude for Paradip Refinery was received through SPM and stored in 7 numbers of crude storage tank. The first phase of 15 MMTPA was commissioned at the state-of-the-art Paradip Refinery with crude processing in Atmospheric & Vacuum unit (AVU) on 26th April 2015. Nemba crude was taken into IOCL's largest crude distillation unit of 15 MMTPA capacity.
- IndianOil's R&D Centre developed INDMAX in-house to enhance refinery profit margins by achieving high yields of LPG, light olefins and high-octane gasoline from residual petroleum hydrocarbon streams and fractions.
- The efficacy of the technology was first demonstrated by setting up a 1 lakh tonnes per annum unit at IndianOil's Guwahati Refinery in the year 2003. This was followed by the mega INDMAX unit at Paradip Refinery in 2015, which placed IndianOil in the league of world-class refinery process licensors.
- Mr Dharmendra Pradhan, Honorable Minister of Petroleum & Natural Gas flagged-off the first dispatch of consignment of products from Paradip Refinery, IndianOil comprising High Speed Diesel (Diesel), Superior Kerosene (Kerosene) and Liquefied Petroleum Gas(LPG).

TRIVIA BEHIND THE SCENES

INDMAX Unit of Paradip Refinery with a capacity of 4.17MMTPA is the largest FCC (Fluid Catalytic Cracker) and is based on IndianOil R&D's technology and is licensed by IndianOil R&D and CB&I Lummus. With its high conversion and LPG maximization, INDMAX is the mother unit of the downstream Poly Propylene plant and Alkylation unit. PDR INDMAX is designed for dual mode operation viz MS mode and Propylene mode, to maximize either MS or Propylene.





The 11th Refinery of IndianOil, Paradip Refinery was dedicated in the service of the nation by the Hon'ble Prime Minister, Shri Narendra Modi on 7th February 2016.

To promote clean and efficient ways of cooking, the government launched 'Pradhan Mantri Ujjwala Yojana Scheme' on 1st May 2016. With an aim to provide free LPG cooking gas connections to below poverty line (BPL) families, utilizing the enormous resources, freed through PaHaL and GIVEITUP schemes. The target was subsequently increased from 5 crore to 8 Crore connections with a budgetary allocation of Rs. 12,800 Crore.



SERVO, world class and quality driven lubricants brand, was launched in the kingdom of Saudi Arabia by the IOC Middle East FZE, in 2016; a wholly owned subsidiary of IndianOil and India's flagship petroleum major.



The 100th Aviation Fuel Service Station (AFS) of the country, owned by Indian Oil Corporation was inaugurated by Union Petroleum and Natural Gas Minister, Shri Dharmendra Pradhan in 2016.



MILESTONES - 2016

- Paradip Refinery safely and successfully commissioned 650 KTPA Alkylation unit. This is the first sulphuric acid Alkylation Unit of its kind among the public sector Refineries & IndianOil to produce MS blending component with high Octane (96.3) from FCC C4 olefins & isobutene (iC4). This plant is licensed by M/S Exxon Mobil Research Engineering (EMRE), USA and constructed by PLL. Commissioning of this unit will greatly help in production of BS-VI MS production from Paradip Refinery.
 - It stands to be the most-modern and technologically driven refinery of the country, with a complexity factor of 10.7 based on Nelson Index. Besides, Paradip Refinery is equipped with captive power plant to meet the power and steam requirement of the complex.
 - Mathura Refinery, the sixth refinery of IndianOil, commissioned in 1982 with a capacity of 6.0 MMTPA to meet the demand of petroleum products in north western region of the country has time and again proved to be the first mover in the industry. With the incoming of modern technologies, Mathura Refinery progressed in its production capacity and keeping pace with the new Government policies of clean fuels, it achieved the distinction of becoming first refinery in the country to supply BS-VI compliant fuels, containing less than 10 ppm Sulphur with existing units.
 - With the commissioning of 1102 km of pipelines section, the network expanded to 12,848 km, with the capacity of the liquid pipelines network at 93.7 MMTPA and that of the gas pipelines at 9.5 MMSCMD.
 - SERVO brand was partnered with the Mohammed Yousaf Naghi group, one of the foremost and dynamic conglomerates of the country.
 - Mohali get its first CNG stations in Chandigarh, Punjab. The first CNG station was inaugurated by Punjab Chief Minister Parkash Singh Badal on 11th November.
 - IndianOil's business development initiatives continue to be driven by the emerging opportunities and guided by its corporate vision of becoming a diversified, transnational, integrated energy company. Its business strategy focuses primarily on expansion across the hydrocarbon value chain, both within and outside the country.
 - To enhance upstream integration, IndianOil has been pursuing exploration & production activities both within and outside the country in collaboration with consortium partners. Along with the Consortium partners, IndianOil acquired substantial stakes in the Vankor and Taas assets of Rosneft, the national oil company of Russia.
 - Besides building on its record of successful diversification into natural gas marketing, IndianOil, along with Coal India Ltd., NTPC, FCIL and HFCL, formed a Joint Venture company, Hindustan Urvarak & Rasayan Ltd. for revival of three fertilizer plants located at Gorakhpur, Sindri and Barauni. This diversification also has a strategic fit with the company's successful KSK model for rural markets.
 - This year was declared as the Year of LPG customers with an aim to serve the customers better in a quick and efficient way and provide LPG connections PAN India.
- CPCL celebrates its 50 glorious years. CPCL is a world-class energy company with a dominant presence in South India. Formerly known as Madras Refineries Limited (MRL), it was formed as a joint venture between the Government of India (GOI), AMOCO and the National Iranian Oil Company (NIOC) in 1965 to set up a refinery at Manali, Chennai. CPCL Manali Refinery is one of the most complex refineries in India, with Fuel, Lube, Wax and Petrochemical feedstocks production facilities.
- Commissioning of the Paradip Sambalpur-Raipur-Ranchir pipeline. The Company commenced the use of the pipeline to evacuate products from the Paradip Refinery in January 2016. The project entailed a construction of a 1,150 km pipeline across the states of Odisha, Chhattisgarh and Jharkhand to connect the Paradip Refinery with marketing tap-off points at Jatni and Jharsuguda in Odisha, Korba and Raipur in Chhattisgarh and Ranchi in Jharkhand.

The Prime Minister, Shri Narendra Modi, in 2016 dedicated the state-of-the-art Paradip Refinery in Odisha, to the nation.



Shri Dharmendra Pradhan, Shri Nitin Gadkari and Smt. Uma Bharati, along with others, exchanging the signed document of an MoU between National Mission for Clean Ganga (NMCG) and Indian Oil Corporation (IOC) at the foundation stone laying ceremony of STP in Mathura, at Vrindavan.



This year marks the noteworthy year for IndianOil refineries as they emerged as an industry leader with efforts that culminated in extending the supply of cleaner BS-IV grade compliant fuels right across the country, by 1st April 2017.

The Foundation stone was laid for one of the first Octamax technology-based unit at Mathura Refinery in 2017. Octomax, a "novel technology" developed in-house by Research and Development Centre of IndianOil, involves conversion of cracked C4 streams to high octane gasoline blending stock for production of Euro -IV/V equivalent gasoline.





The foundation stone for INDAdept, a patented technology for gasoline desulphurization was laid at Guwahati Refinery, last year was commissioned this year on the 31st January 2017. Based on the technology of desulphurization of INDMAX Heavy Gasoline developed by IndianOil R&D.



The Haldia-Maurigam-Rajbandh-Baruni pipeline celebrated the Golden Jubilee in 2017. The commissioning of the pipeline ensured cost-effective transportation and uninterrupted supply of petroleum products.



MILESTONES - 2017

- This transition process required major refinery upgrades, changes in supply logistics and other related transitions to test the efficacy of the output.
- IndianOil R&D Centre celebrated IndianOil day by gratifying the spirit of Innovation and efforts that are driven by the passion to innovate. All of the acquired patents are the result of unimaginable dedication and hard work, long hours put in by the scientists to come up with new solutions related to process improvements and superior product offerings.
- Built with the futuristic perspective and Rumanian assistance, the initial crude processing capacity at the time of commissioning of this Refinery was 0.75 MMTPA and the Refinery was designed to process indigenous Assam Crude. The refining capacity was subsequently enhanced to 1.0 MMTPA.
- Another patent added to the prestigious list of patents to IndianOil's R&D Centre is the bioremediation technology OliVorous successfully treats marine oil spill at Ennore. Getting a patent for technology based on bacterial strains is one of its kind. For patenting a microbe-based technology, the process starts with depositing the strains in a repository recognized by World Intellectual Property Organisation as an International Depository.
- IndianOil proceeds in a joint venture with other oil marketing companies (OMC's) for setting up a 60 MMTPA integrated refinery-cum-petrochemicals project on the West for an approximate cost of Rs. 2.7 lakh crore.
- In its quest for an India-centric solution to fast-track e-mobility in the country, IndianOil R&D embarks upon research in Al-Air batteries alongwith Lead acid batteries.
- With the successful commissioning of the 1073-km Paradip-Raipur-Ranchi pipelines system, finished products were being pumped to all terminals en-route. This resulted in significant savings in the transportation costs.
- The first US crude oil cargo of 1.6 million barrels bought by IndianOil from the US was received at Paradip port, Odisha. A sample of the crude was symbolically presented to Mr. Sunjay Sudhir, joint secretary (International Cooperation) in the Ministry of Petroleum and Natural Gas.
- IndianOil commenced operations of new aviation fuel stations (AFS), set up at Puducherry, Kadapa, and Shillong, raising their total number of stations to a huge 107. The concept of Smart terminals was revolutionizing and was introduced at 21 more locations during the year, taking their score to a big 84, combined.
- In collaboration with Tata Motors, IndianOil R&D took up demonstration trials on India's first Hydrogen fuel cell-powered bus. This marvel of an initiative is a revolution for the Indian mass transportation as the only byproduct of the engine is water and heat, rendering it safe for the environment. Not just no pollution, it will also have no noise.
- To fast track the commercialization and implementation of the indigenous developed technologies, a Technology Implementation Cell. For demonstration and scaling up technologies developed in-house and for advanced research on alternative energy, nanotechnology etc, a second campus of IndianOil R&D Centre is planned at Faridabad. The state-of-the-art Research & Development facilities is located on a sprawling 65-acre campus in Faridabad, Haryana on the outskirts of the National Capital. The institute will be equipped with an impressive array of most advanced equipment to experienced researchers and scientists round-the-clock.
- Customer experience and service is a cornerstone for IndianOil. True to that, Indane customer convenience was taken to another significant level and adapting with the pace by enabling refilling connection requests through official Facebook and Twitter pages.

MILESTONES - 2017

- The year witnessed another benchmark set by IndianOil, producing the highest levels of MS, HSD, ATF, LPG, bitumen, polypropylene and Linear Alkyl Benzene.
- Several other pipeline projects with a combined capital expenditure of Rs. 20,000 crore are under implementation, upon completion of which, IndianOil's pipeline network would expand to about 20,000 km in length. A 69 km pipeline is also being laid to transport petroleum products to Nepal. The pipeline will transport fuel from Barauni refinery in Bihar's Begusarai district to Amalekhgunj in southeastern Nepal, situated across the border from Raxaul in East Champaran district.
- In association with National Agricultural Cooperative Marketing Federation of India Ltd. (NAFED), IndianOil initiated another noteworthy project for setting up of plants to process bio-mass/ bio-waste to produce bio-CNG.
- Besides overseas subsidiary companies already operating in Sri Lanka, Mauritius and UAE, a new subsidiary was incorporated in Singapore, IOCL Singapore Pvt Ltd for trading crude oil through its Singapore unit. A branch office was opened in Maynamar and representative office was opened in Bangladesh during the year.



TRIVIA BEHIND THE SCENES

The Foundation stone for INDMAX Project at Bongaigaon Refinery was laid in 2016. The project emphasized the significance of hydrocarbon Industry to catalyze growth in the North East region and improving standard of living for the people, generating opportunities for the youth and creating a sustainable energy secure future. It can produce 44.15% LPG, the highest yield from such plants.



IndianOil launched a jumbo version of Indane, which was approximately 450 KGs LPG cylinder in the Indian market. Indane Jumbo called the “Mini-Bulk” was made available in minimum footprint size with a flow rate of up to 2,000 kg/hour and did not require any license to use.

Striving towards the vision of ‘Green India’, IndianOil in collaboration with Ola launched India’s first electric vehicle charging station. In sync with the expected demand for electric mobility, IndianOil was the first company to set up a fast-charging station at Nagpur during the year, followed by one each at New Delhi and Kolkata and two in Hyderabad.





Besides its target to scale up solar energy and wind power portfolio, IndianOil initiated diversification into alternative, renewable energy and biofuels – 2G & 3G ethanol, waste-to-energy and compressed bio-gas. SATAT, the initiative aimed at providing a Sustainable Alternative Towards Affordable Transportation was launched with an invite of Expression of Interest in 2018 to promote Compressed Bio-Gas as an alternative, green transport fuel that would benefit both vehicle-users as well as farmers and entrepreneurs.



Adding to the successful collaborations, IndianOil ushered a joint venture with ONGC, OIL, GAIL and NRL to form Indradhanush gas Grid Ltd. which was incorporated on the 10th August 2018. This venture is aimed towards realizing the Hydrocarbon vision of 2030 for North East India released by Ministry of Petroleum & Natural Gas in 2016. Hydrocarbon Vision 2030 envisages North East Indian economic development by leveraging the region's potential, enhancing access to clean fuel and accelerating the growth of entire North East India.

IndianOil's R&D's constant efforts and expertise resulted in accomplishing yet another milestone of filing its 1,001 patents in 2018. The significant collection of company's intellectual wealth adds a sheen to its image and credibility. R&D Centre at Faridabad also commissioned a 5 tonnes-per day plant for converting organic waste to biogas with a methane content of over 80%, based on a novel bio-methanation technology developed in-house for conversion of organic waste such as food & vegetable waste, organic fraction of municipal solid waste and crop residue to energy. This technology is in line with the vision of the Honorable Prime Minister to covert 'waste to wealth'.





India's first hydrogen fuel cell bus in collaboration with Ola, was flagged off during the 47th Foundation Day of R&D Centre in 2018.



(Right) This year also marked IndianOil's Bongaigaon Refinery becoming the first IndianOil refinery with ISO 50001 2018 certification (Energy Management System).





MILESTONES - 2018

- IndianOil continued to spearhead the nation's transition to green fuels during the year. In November 2017, the Government of India advanced the rollout of BS-VI compliant fuels in the National Capital Territory (NCT) by two years. Mathura and Panipat Refineries commenced the BS-VI grade auto supplies to NCT from April 2018.
- Contributing to the Hon'ble Prime Minister, Narendra Modi's vision of 'Make in India', IndianOil R&D's indigenous technology - Octamax Unit was successfully commissioned at Mathura Refinery on 19th January 2018. The breakthrough technology developed by IndianOil's R&D Centre converts C-4 streams from Catalytic Cracker unit to high-octane gasoline (petrol) blending stream, thereby enabling compliance with stringent fuel quality norms.
- The Corporation's cutting-edge R&D has a full slate of cutting-edge world-class refining processes such as INDMAX, Amylemax OCTAMAX, IndAdeptG, etc that are being implemented full-scale in various IndianOil refineries for output maximization and clean fuels.
- With an aspiring portfolio of producing, discovering and exploration of assets, the company achieved significant progress in terms of 2P reserves, production volumes, equity oil and revenues during the year. IndianOil acquired the PI in E&P assets in Oman, Abu Dhabi and Israel.
- IndianOil Board also approved land procurement and formation of a joint venture partner for a textiles project at Bhadrak in Odisha. Industrial Promotion & Investment Corporation of Odisha has allotted 60 acres of land for the textiles project.
- IndianOil's efforts to inculcate the customer satisfaction and brand loyalty resulted in the launch of Unified XTRAREWARDS cards. The XTRAREWARDS is India's first online rewards programme that seeks to inculcate the habit of redeeming points.
- World's highest LPG bottling plant of IndianOil was powered with solar energy this year which would ensure fuelling of the vehicles even during peak winter season.
- Adding another feather to its solar cap, IndianOil Inaugurated India's first 24/7 solar-powered retail outlet 'Jubilee Retail Outlet' in Kochi.
- This year marks a new milestone and set a benchmark in its LPG connection sales. Leading the push for clean energy, IndianOil released over 2 crore new LPG connections, the highest ever number in a year, in 2018-19.
- IndianOil also commissioned a world class Polypropylene plant (PP) at Paradip Refinery to act as the mother unit for the downstream plastics processing industry in the region. Work also commenced on Monoethylene Glycol (MEG) plant at Paradip Refinery this, which is envisaged as a key driver for the textiles industry in the region, especially for polyester fibre. The unit has a capacity of 700,000 tonnes per annum would offer feedstock for polymer units in the region.
- IndianOil's PROPEL brand of petrochemicals registered a robust 11.4% growth in sale during this year. Backed by world-scale plants and technology, IndianOil's PROPEL now covers over 80% of a broad-spectrum of applications in plastics and is exported to over 70 countries.
- On 4th June, the ground breaking ceremony of India's first trans-national Indo-Nepal pipelines washeld and in the presence of Prime Ministers of India and Nepal.

TRIVIA BEHIND THE SCENES



IndianOil entered into a joint venture with IDCO (Industrial Development Corporation of Odisha) to develop the Paradip Plastics Park, at an investment of Rs. 106 crores to provide a state-of-the-art manufacturing base for the downstream plastics industry in Odisha with support facilities ranging from warehouse for raw material and finished products, product testing facilities, all at one place.

IndianOil laid focus on Natural gas as a major business line, and the commissioning of the state-of-the-art LNG import terminal at Ennore gave it a big boost. The terminal holds significant value as it supports the national's strategic objective of helping diversify India's LNG supplier base.





Digboi Refinery, in 2019, became the first refinery to produce 100% BS-VI compliant fuels since 1st September 2019 followed by Gujarat, Barauni, Paradip, Panipat, Mathura and Haldia Refineries.



It was during this year of 2019, that the Hon'ble Prime Minister of India, Shri Narendra Modi laid the foundation stone of new AVU Unit under Barauni Refinery expansion project and the Hydrotreating Unit.



The Company commissioned the Indo-Nepal Motihari - Amlekhganj products pipeline, the first transnational pipeline of the country, in July 2019, eight months ahead of the schedule. The pipeline has enabled supply of petroleum products to Nepal in a safe and cost-efficient manner and is consistent in meeting the demands of various regions seamlessly in time.

As a part of the SATAT (Sustainable Alternative Towards Affordable Transportation) scheme of the Government of India, IndianOil commenced sale of compressed biogas (CBG) produced from bio-mass and bio-waste with the brand name 'IndiGreen' from its fuel stations in Pune and Kolhapur in September 2019.





MILESTONES - 2019

- IndianOil completes 6 decades of hard work, perseverance, compassion, advancement and setting benchmarks. IndianOil commemorates the celebration of 60 years as a pioneer across the oil and gas industry in India.
- IndianOil refineries switched over to production of BS-VI compliant fuels by implementing clean fuel projects at a combined cost of about Rs. 17,000 crores. The projects completed include installation of new units like diesel hydro-treater, gasoline isomerisation, hydro-desulphurisation and revamp of existing process, offsite and utility facilities at all refineries.
- The IndianOil's R&D Centre continued proving its mettle. The first ever overseas agreement to license the flagship INDMAX technology of the R&D Centre was signed during the year with the licensing partner - Lummus Technology Inc. of USA, and Serbia's Naftna Industrija Srbije (NIS). INDMAX technology will be used in the FCC modernization project of NIS's refinery at Pancevo for enhanced production of valuable olefins and high-octane naphtha. This will open up new prospects for this indigenously developed technology to expand its global footprints.
- In order to ensure cooking gas in every kitchen, IndianOil initiated the bulk import of LPG by road from Bangladesh into Northeast India. This was jointly inaugurated by the Hon'ble Prime Ministers of India and Bangladesh on 5th October 2019. Trial supply of 108 tonnes of bulk LPG from Bangladesh was received at IndianOil's Bishalgarh bottling plant in Tripura.
- In compliance with the International Maritime Organization (IMO) specifications and meeting the standards before the timeline, Gujarat Refinery became the first Indian Refinery to produce Low Sulphur Furnace Oil (Marpol). IndianOil was the first supplier of new IMO-spec Bunker fuel oil in the country & commenced production at Gujarat Refinery from September 2019 and commercialized the same from 4th November onwards, from Kandla. Based on the Shipping industry requirement in the eastern coast, IndianOil also lined up the product from its Haldia Refinery.
- The bulk propylene cargo loaded vessel MT Hong YU set on its voyage on the historical maritime day by Paradip Refinery. With this cargo, IndianOil exported Bulk Propylene for the very first time.
- IndianOil's pursuit towards technology and unique offerings was encouraged with the laying of the foundation stone for its second R&D Campus at Faridabad. The Four Centres of Excellence that are planned are Alternative & Renewable Energy, Nanotechnology, Synthetic Biology and Corrosion Research.
- When cyclone Fani made the landfall in Odisha, IndianOil geared up to provide uninterrupted fuel supply for Indian Air force relief teams in Odisha and West Bengal on the east coast. Adequate stocks of petroleum products such as petrol, diesel, LPG, kerosene and aviation fuel were immediately made available in sufficient amount. The company also actively assisted the district administration in evacuation, rescue and relief activities.
- Yet another devastating natural calamity, Cyclone Vayu hit in Gujarat during the year. IndianOil once again stood by the nation and ensured sufficient rescue supplies and petroleum products to the state of Gujarat.



TRIVIA BEHIND THE SCENES

It was brought to the Corporation's notice that the motorists in high-altitude areas like Ladakh, Kargil, etc face fuel issues when winter temperatures drop to as low as minus 30 degrees Celsius. To solve that problem, IndianOil came up with an innovative solution by introducing a special winter grade diesel which holds its fluidity even in the extreme climatic conditions. The winter grade diesel meets the BIS specifications of BS-VI grade and was successfully produced and certified for the first time by the Panipat Refinery on 8th November 2019.



The Polypropylene (PP) Unit at Paradip Refinery went on stream with the successful commissioning of Train-2 in 2019. Transforming Paradip from a stand-alone refinery to a petrochemical integrated refinery.

On the 24th of February 2019 the foundation stone for Kandla - Gorakhpur LPG Pipeline was laid by the Hon'ble Prime Minister of India. The 2,805 km long Kandla - Gorakhpur LPG pipeline project, longest LPG pipeline in the world conceived so far, was implemented through a Joint Venture Company of IndianOil, BPCL and HPCL namely IHB limited. The pipeline directly feeds 22 bottling plants en-route.





The COVID-19 pandemic in 2020 has by far been the most unprecedented disruptive event occurred since the past 100 years. The impact of this adversity tested the socio-economic conduct of the budding as well as established businesses. IndianOil's frontline teams of retail, aviation and LPG officers rose to the call of the National emergency for ensuring seamless operational continuity with provision of essential fuels and providing support to communities and the nation at large. IOCian's commitment and resilience shined as abundant testimony to the Corporation's core values of Care, Innovation, Passion and Trust.



When faced with this massive surge in demand in 2020, IndianOil diverted the high purity oxygen used in its Mono Ethylene Glycol (MEG) unit, at Panipat Refinery & Petrochemicals Complex, to produce medical grade liquid oxygen. The Company supported the Government in creating a robust infrastructure for Liquid Medical Oxygen (LMO) transportation in the country.



A Hydrogen enriched- Compressed Natural Gas Plant and Dispensing Station was inaugurated at Rajghat Depot in October 2020. The 4 Tonne per day Compact reformer-based HCNG production plant was set-up by IndianOil in collaboration with Transport Department of Delhi in 2020.





In October 2020, IndianOil carried out a trial in Delhi, where 50 CNG buses compliant with BS-IV fuels were run on Hydrogen-spiked CNG (HCNG) fuel and the results were quite promising.

Shri Dharmendra Pradhan witnessed the signing of a Joint Venture Agreement (JVA) between IOC Middle East FZE, a subsidiary of IndianOil based in Dubai and RR Holdings Ltd. of Beximco Group, in 2020, expanding IndianOil's LPG business in Bangladesh.





In 2020, Shri Dharmendra Pradhan inaugurated IndianOil's Lubricant Blending plant in Kolkata, The unit is strategically located near the port area and has an output of 1 Lakh Kilo-Litres, annually.



MILESTONES - 2020

- The nation stood still but IndianOil continued to work 24x7, delivering about 25 lakh cylinders to the doorsteps of customers every day, keeping in mind the safety rules and regulations laid down. This is undoubtedly stands as a testimony to IndianOil being 'By the people, For the People.'
- The Company as a responsible corporate of India, extended funds for the activities to recover the nation from the disastrous COVID-19 event. The company contributed Rs. 225 crores to PM CARES fund, and all the employees of the Company contributed two days' salary amounting to Rs. 24 crores towards COVID-19 relief fund.
- Besides extending insurance cover to its frontline workers under IndianOil Karma Yogi Swasthya Bima Yojna, IndianOil also took the onus to provide vaccination shots to safeguard its 4.2 lakhs stakeholders family against the deadly Coronavirus.
- Amidst the chaotic and alarming situation, the Company's biggest success was undoubtedly the seamless pan-India transition from BS-IV grade complaint fuels directly to BS-VI fuels across its refinery-pipelines-marketing network by 16th March 2020, a full fortnight ahead of the target date.
- IndianOil acted immediate to the urgency of the situation and inculcated steps to producing LPG in full capacity by optimizing refinery operations to meet the sharp rise in demand caused by lockdown as well as supply of free LPG for three months to PMUY customers under Pradhan Mantri Garib Kalyan Yojana (PMGKY).
- Another achievement of the year unlocked when IndianOil become the first Company in India to offer IMO-compliant marine fuel (0.5% Sulphur) and lubricants from 1st January, 2020. This international grade compliance ensured an uptick in the sale of this product. The company's R&D, Refineries and Marketing worked closely to harness this outcome.
- In June 2020, the IndianOil board approved setting up a new refinery in Nagapattinam in Tamil Nadu. The refinery will have an annual refining capacity of nine million tonnes and an investment of approx. Rs. 31,500 crore. A joint venture between IOC and its subsidiary Chennai Petroleum Corporation, the project will be completed within 48 months from the dates of investment approval and statutory clearances. The project will source 80 per cent of materials and services indigenously. The refinery will produce diesel and petrol meeting Bharat Stage VI standards, and six per cent of the crude processed will go into making petrochemicals.
- To cater to the evolving demands of the LPG users, IndianOil launched a small cooking gas cylinder also known as Chhotu, 5 Kg FTL (Free trade LPG) cylinder. Thus, becoming the first PSU Oil Company in the country to replicate the international model of cooking gas cylinder. It was launched to cater to migrant population in urban and semi urban areas as there is no requirement of address proof for obtaining these cylinders. This has been a game-changer in the segment, making an almost 50% increase in sales over the corresponding period in the last year.



TRIVIA BEHIND THE SCENES

1st December 2020 marked the historic milestone of the launch of country's first 100 octane gasoline - XP100 by IndianOil across ten cities, i.e., Agra, Ahmedabad, Chandigarh, Delhi, Gurgaon, Jaipur, Ludhiana, Mumbai, Noida & Pune. Mathura was the first refinery to produce XP 100 MS from its indigeneous technology of Octamax. IndianOil's premium grade petrol with 100 Octane is designed to draw better performance from the engines of high-end bikes and cars, enhancing fuel economy and engine life. It exceeds IS-2796 specifications and is also an environment-friendly fuel with reduced tailpipe emissions. All IndianOil Refineries supplied this fuel with first supplies from Mathura Refinery on 26th November.

TRIVIA BEHIND THE SCENES



In order to accelerate the growth of polymer industry in Odisha and eastern India, IndianOil set up a Product Application and Development Centre (PADC) in Paradip Odisha. The Chief Minister of Odisha, Shri Naveen Patnaik and Union Petroleum and Steel minister Shri Dharmendra Pradhan jointly inaugurated the PADC (Product Applications & Development Centre) on the 25th June 2020. PADC is set up at a cost of Rs. 43 crore on 5 acres of land

A VLCC, MT New Diamond carrying two million barrels of Kuwait Export Crude Oil for IndianOil's Paradip Refinery caught fire on 3rd September 2020, 38 nautical miles off the eastern coast of Sri Lanka. The Corporation put in immense efforts to extinguish the blaze and avert a major environmental disaster when the engine room was caught with overwhelming fire.





Leveraging opportunities – 2021



Hon'ble Prime Minister, Shri Narendra Modi, dedicated the INDMAX FCC unit to the nation in a ceremony on 21st February 2021 to the nation alongside a series of projects designed to strengthen the region's role as an energy hub for the country. The commissioning of INDMAX project resulted in improvement in the GRM for the refinery due to increase in the production of high value green fuel LPG and BS-VI grade MS by eliminating surplus naphtha and black oil components. LPG production increased fourfold from 50 TMTA to 257 TMTA and MS production increase from 210 TMTA to 533 TMTA. Increased LPG production helps to reduce LPG shortage in the Northeast region and considerably reduce road congestion and environmental pollution, apart from logistic saving of around Rs. 200 Crore.



Hon'ble Prime Minister Narendra Modi dedicated the 144-km-long Ramanathapuram - Thoothukudi natural gas pipeline to the nation on 17th February 2021, which will transport fuel to a fertilizer manufacturing and petrochemical units near the coastal town from the gas fields in Ramanathapuram. With the commissioning of this section IndianOil reached the milestone of 15,000 Km Pipeline network combined.



IndianOil became the first company to transport green fuel, EBMS, through cross-country multi-product pipelines, facilitating a single point handling of ethanol. The first ever certified batch of 10% Ethanol blended Motor Spirit (EBMS) was dispatched on 21st August 2021 from Bongaigaon Refinery.



In January 2021, IndianOil announced its missed call facility to avail new Indane connection to all domestic customers across India.

In 2021, the 'Composite Cylinder' was launched, which is made up of a blow-molded High-Density Polyethylene (HDPE) inner liner, covered with a composite layer of polymer-wrapped fiberglass and fitted with an HDPE outer jacket, boosting IndianOil's customer friendly product portfolio.





Shri Dharmendra Pradhan virtually flagged off IndianOil's first supply of UCO (Used Cooking Oil) based Biodiesel blended Diesel.



IndianOil ensured a robust vaccination drive across the nation, in order to maintain the fight against the devastating Pandemic.



And the saga continues



IndianOil celebrated two major milestones which have nurtured Indian energy sector for over the years. On 2nd January 2022, Guwahati Refinery celebrated its Diamond Jubilee on achieving 60 glorious years in the service of the nation.



In 2022, the legacy rich, Bongaigaon Refinery celebrated its 50 years golden jubilee since establishment in 1972.

IndianOil R&D Centre completed 50 years of pioneering research to make energy secure and accessible in India, empowering IndianOil to do better across the hydrocarbon value chain. In a momentous occasion, marking the grand finale of Golden Jubilee celebrations of IndianOil R&D; the Hon'ble Union Minister of Petroleum & Natural Gas and Housing & Urban Affairs, Mr. Hardeep Singh Puri, launched an innovative solar cooktop – IndianOil Surya Nutan and released a commemorative customized postal stamp of IndianOil R&D in 2022.





Special commemorative stamps were released on milestone years of Guwahati Refinery, Bongaigaon Refinery and R&D Centre.





India's first and World's third Green Cooling Tower (GCT) was commissioned at Barauni Refinery on 20th May 2022 which is an energy-efficient and environment-friendly alternative to the conventional cooling tower.



On 2nd August 2022, IndianOil signed an MoU with National Tiger Conservation Authority (NTCA) for transcontinental relocation of 'Cheetah' in its historical range in India. IndianOil will be contributing Rs. 50.22 crore over 5 years for the project components viz. Cheetah Introduction, its Habitat Management & Protection, Eco Development, Staff Training and Veterinary Healthcare. Under this project, a source population of 15-20 Cheetahs will be flown in from Namibia and South Africa and will be introduced at Kuno National Park, Madhya Pradesh. It is a national project involving National Tiger Conservation Authority (NTCA), Govt. of India and the State Govt. of Madhya Pradesh.



MILESTONES - 2022

- IndianOil secured nearly 33% of the demand potential in the recently concluded 11th round of CGD bidding by PNGRB (Petroleum & Natural Gas Regulatory Board). These acquired GAs include major districts like Jammu, Pathankot, Sikar, Jalgaon, Guntur (Amravati), Tuticorin, Tirunelveli, Kanyakumari, Madurai, Dharmapuri and Haldia (East Mednipore).
- Expanding its bouquet of products for customer convenience, IndianOil, launched SERVO DEFROST in February 2022. An efficient freezing-point depressant, the newly launched defrosting & de-icing fluid will aid in melting of ice and snow on windshield, thus keeping the windshields clean and improving visibility. SERVO DEFROST will be available in convenient 500 ml packs with a spray nozzle for easy application.
- Dahej-Koyali Natural Gas Pipeline (106 km) of IndianOil was commissioned in February 2022.
- IndianOil inked agreement with Cummins Technologies for dispensing bulk Diesel Exhaust Fluid (DEF), in their advanced engines with SCR (Selective Catalytic Reduction) systems in 2020. The Diesel Exhaust Fluid (DEF) unit was commissioned at Gujarat Refinery and the first batch was dispatched the brand name as IOC CLEARBLUE on 3rd March 2022. With this initiative, IndianOil's innovation in a diesel exhaust fluid - IOC CLEARBLUE - delivers superior results that ensure emissions controls.
- India plans to rapidly march ahead in its decarbonization efforts and production of Green Hydrogen is key in this endeavour. In a bid to enable India's decarbonization push, Indian Oil Corporation Ltd., (IndianOil), the country's top refiner and fuel retailer, Larsen & Toubro (L&T), India's premier engineering & construction conglomerate, and ReNew Power ("ReNew") India's leading renewable energy company, announced signing of binding term sheet for the formation of a Joint Venture (JV) company to develop the nascent green hydrogen sector in India. The IndianOil-L&T-ReNew JV will focus on developing Green Hydrogen projects in a time-bound manner to supply Green Hydrogen at an industrial scale.
- IndianOil and NTPC signed an agreement to form a joint venture company to meet the power requirements of upcoming projects of IndianOil refineries on 18th July 2022, in New Delhi. Unified in the purpose of increasing the usage & capacity of renewable energy sources in the country, the state-run corporations teamed up setting-up renewable energy-based power plants for IndianOil Refineries.
- In a historic first for any Corporate in India, the country's largest energy company, IndianOil, now empower the Indian Women's Hockey Team. Nine players of the Indian Hockey team are now part of the IndianOil family as IndianOil inducted them onto its rolls under its new sports policy, which promotes Women's Hockey.



TRIVIA BEHIND THE SCENES

PM Gati Shakti National Master Plan was launched on 13th October 2021 to provide multimodal connectivity infrastructure to various economic zones.

A North-East Zonal conference for the same was held on 28th February 2022 at Guwahati.



As India celebrates 75 years of independence, Prime Minister Narendra Modi launched the Azadi ka Amrit Mahotsav. Taking his grand vision forward, the IndianOil Corporation in collaboration with The Ministry of Petroleum and Natural Gas and The Ministry of Culture launched Jigyasa: The AKAM Quiz. Jigyasa is a step towards creating awareness and taking forward the parampara of Gyan through technology, innovation, and inclusive learning. Jigyasa, the largest ever quiz organized by India, drinks from the fountain of India's civilization history; however, true to the evolutionary nature of Bharatiya, it is hosted on state-of-the-art technology, supported by artificial intelligence and machine learning.

SERVO, India's most preferred lubricant brand, marked its 50th year since inception on 12th January 2022. The occasion saw the launch of the BS-VI compliant SERVO Futura NXT 0W-16 lubricant specifically designed for the new-generation cars with advanced after treatment devices (ATDs). The lubricant is blended from synthetic base stocks and high-performance additives to provide high oxidation stability and very low oil consumption.





During the 26th Conference of the Parties ("COP26") Prime Minister Shri Narendra Modi committed India, to be Net-Zero by 2070.

The 'Panchamrita' promises include:

- ☛ India will get its non-fossil energy capacity to 500 gigawatt by 2030.
- ☛ India will meet 50% of its energy requirements till 2030 with renewable energy.
- ☛ India will reduce its projected carbon emission by one billion tonnes by 2030.
- ☛ India will reduce the carbon intensity of its economy by 45% by 2030.
- ☛ India will achieve net zero by 2070.




IndianOil
IndianOil announces to achieve
Net-Zero Operational Emissions by the year
2046

IndianOil's

NET-ZERO COMMITMENT BY 2046

Through Net-Zero Operational Emissions

On behalf of the Corporation, Mr. Shrikant Madhav Vaidya
Chairman, IndianOil made this commitment during the company's
63rd Annual General Meeting held on 25th August 2022





Different avatars of IndianOil's Rhino



REFINERIES



PIPELINES



RETAIL



XP100



XTRAGREEN

RESEARCH &
DEVELOPMENTBUSINESS
DEVELOPMENTLEARNING &
DEVELOPMENT

INDANE



SERVO



AVIATION



HSE



AUTOGAS



ENGINEERING



VIGILANCE



SECURITY

INDIANOIL
FOUNDATION

CLEARBLUE



MEDICAL



OPERATIONS

IndianOil added a family member, in the year 2021, adopted the one-horned Rhino as its brand mascot in September 2021. Building on IndianOil's brand positioning as 'Truly Indian', the IndianOil Rhino aims to nurture a lifelong bond with the billion-plus Indians and herald a new era of customer excellence for IndianOil. The Corporation also adopted two rhinos each at Kanpur and Mysore zoos on 22nd September 2021 and six one-horned rhinos at the Assam State Zoo in March 2022.



IndianOil has left indelible imprints across different sports which have been nationally acknowledged as the Corporation was bestowed with the "Rashtriya Khel Protsahan Puskar" for the year 2021. The award was presented by the then Hon'ble President of India Mr. Ram Nath Kovind at Rashtrapati Bhavan on 13th November 2021. Chairman, Mr. Shrikant Madhav Vaidya, received the award on behalf of IndianOil.

Nurturing sports in India

IndianOil, The Energy of India has been energising Indian Sports not only by supporting budding talent but by being an integral part of various sports tournaments. For IndianOil, sports is an instrument to develop its future leaders besides building brand equity for the corporation.

This is demonstrated by the corporation's longstanding commitment to the development of sports over the last three decades. For IndianOil, the mantra for sports development is to provide opportunities to outstanding sports persons with a view to facilitate their performances and to bring laurels for India as well as the Corporation.

First Sports persons to join IndianOil was way back in 1966 – The legendary badminton player Shri Dinesh Khanna. After joining, he became National Champion and won the Bronze medal in Commonwealth games 66 and Asian games bronze medal in 1974. After that, IOCL started recruiting sportspersons in 1986 in Tennis, Table Tennis, Cricket, Hockey, Badminton, Chess, Carrom, Athletics, Golf, Billiards & Snooker. Further, Sports scholarships were introduced for young sportspersons in the year 2005 under CSR activity.

At present, IndianOil has 89 sportspersons spanning across 10 sports and 218 budding sports scholars. Many of the currently recruited players have come through the Sports scholarship of Indian Oil and are now International stars, such as players like Prithvi Shaw, Manika Batra, Kothajit Singh, Laith Babu, Dhvaj Haria, Ameya Mallick, Kajal Kumari.

The Corporation's current pool of sportspersons includes a mix of experienced sports personalities, rising stars and young performers who are sure to make an impact on the big stage very soon. IndianOil has a illustrious list of Arjuna Awardees. To name a few: P Gopichand (Apart from Arjuna Award he has been decorated with Padma Shri, Padma Bhushan, Khel Ratna, Dronacharya awards), Sharath Kamal, Rohit Sharma, Cheteshwar Pujara, Ajinkya Rahane, P Kashyap, Manika Batra, Rohan Bopanna, P Kashyap, Lakshya Sen, Simranjit Singh, Dilpreet Singh, Hardik Singh, Padmini Rout, Harika D, Rohan Bopanna, Adhibhan Bhaskaran and more. IndianOil has 17 Olympians, 19 Arjuna awardees and 3 Padmashree awardees.

IndianOil sportspersons have moved from strength to strength and have time again given stellar performances at the highest levels filling the hearts of the nation and the Corporation with pride. Another unique programme by IndianOil under its sports promotion is the 'Dronacharya Programme' which aims to give the best back to the nation. Pullela Gopichand, Arun Vishnu, Jaseel Ismail & Marcose Bristow, Didar Singh, Deepak Thakur, Prabhjot Singh and more are now coaching and grooming budding sporting stars of the nation.

IndianOil collaborated with the Ministry of Youth affairs and Sports to extend all round support to young girls who want to take up Sports as their career. Calling it "IndianOil Shakti", IndianOil is investing around Rs. 7 Crore in this project.





In 2021, IndianOil became the first Public Sector Enterprise to induct 9 women hockey players onto its rolls.



In the recently concluded Commonwealth Games 2022 held at Bermingham, Indian athletes won 61 medals, 22 golds, 16 silvers and 23 bronze. Of these, IndianOil Sportstars contributed 6 Gold Medals, 6 Silver Medals and 3 Bronze medals to the nation's medal tally.



PROJECT 'PARIVARTAN'

Adding yet another feather to its cap, IndianOil initiated Project 'Parivartan' which aims at rehabilitating the prison inmates into the society once they are released and enabling them to earn a living through coaching. IndianOil has named this novel project as 'Prison to Pride.'





Winners of the Nehru Cup 2000



Grand Team of 2006



Winners of the Birghton Cup 2016



Champions of the Beghton Cup 2018



Winners of Bombay Gold Cup 2019



Full circle with Winners of Nehru Cup 2021



IndianOil Shuttlers Winning first ever Thomas Cup 2022



(Above) Mr S M Vaidya, Chairman, IndianOil, joined the Hon'ble Chief Minister of West Bengal Ms Mamata Banerjee, Hon'ble CM of Assam, Shri Himanta Biswa, Lt General Rana Pratap Kalita UYSM, AVSM, SM, VSM Goc-in-C Eastern Command and other dignitaries at the Opening and inaugural Ceremony of the 131st edition of #IndianOil Durand Cup on 16th-17th August 2022. IndianOil has been constantly striving to enrich India's sporting landscape. IndianOil is proud to collaborate with the Indian Army to energize this edition Durand Cup, one of th oldest football tournaments in the world.

Giving a boost to Indian sports, Mr. Shrikant Madhav Vaidya, Chairman, visited the World Chess Olympiad 2022 (below) at Chennai and made the first move for Norwegian Grandmaster Magnus Carlsen. The Corporation recently on-boarded R. Praggnanandhaa (right), the young Chess Grand Master on its rolls.



Committed to serve the society

IndianOil's CSR objective is enshrined in its Vision/Mission statement - "...to help enrich the quality of life of the community and preserve ecological balance and heritage through a strong environment conscience...". IndianOil's CSR thrust areas include 'Safe drinking water and protection of water resources', 'Healthcare and sanitation', 'Education and employment-enhancing vocational skills', 'Rural development', 'Environment sustainability', 'Empowerment of women and socially or economically backward groups', etc. The CSR activities are undertaken primarily to improve the quality of life in various communities, including marginalised & underprivileged sections of the society viz., schedule caste, schedule tribe, other backward caste, physically handicapped, etc.

Being a responsible corporate, IndianOil not only ensured continuous supply of essential petroleum products and services across the nation, but also enhanced the CSR allocation beyond the prescribed CSR budget (i.e., 2% of average net profit of the immediately preceding 3 financial years) as required under the provisions of the Companies Act, 2013. Moreover, IndianOil has exemplified its CSR commitment by utilizing 100% CSR budget allocation for the fifth year in a row. The Company has patronized many life-changing community development projects and has positively impacted numerous stakeholders with about 500 projects

across the length and breadth of the country.

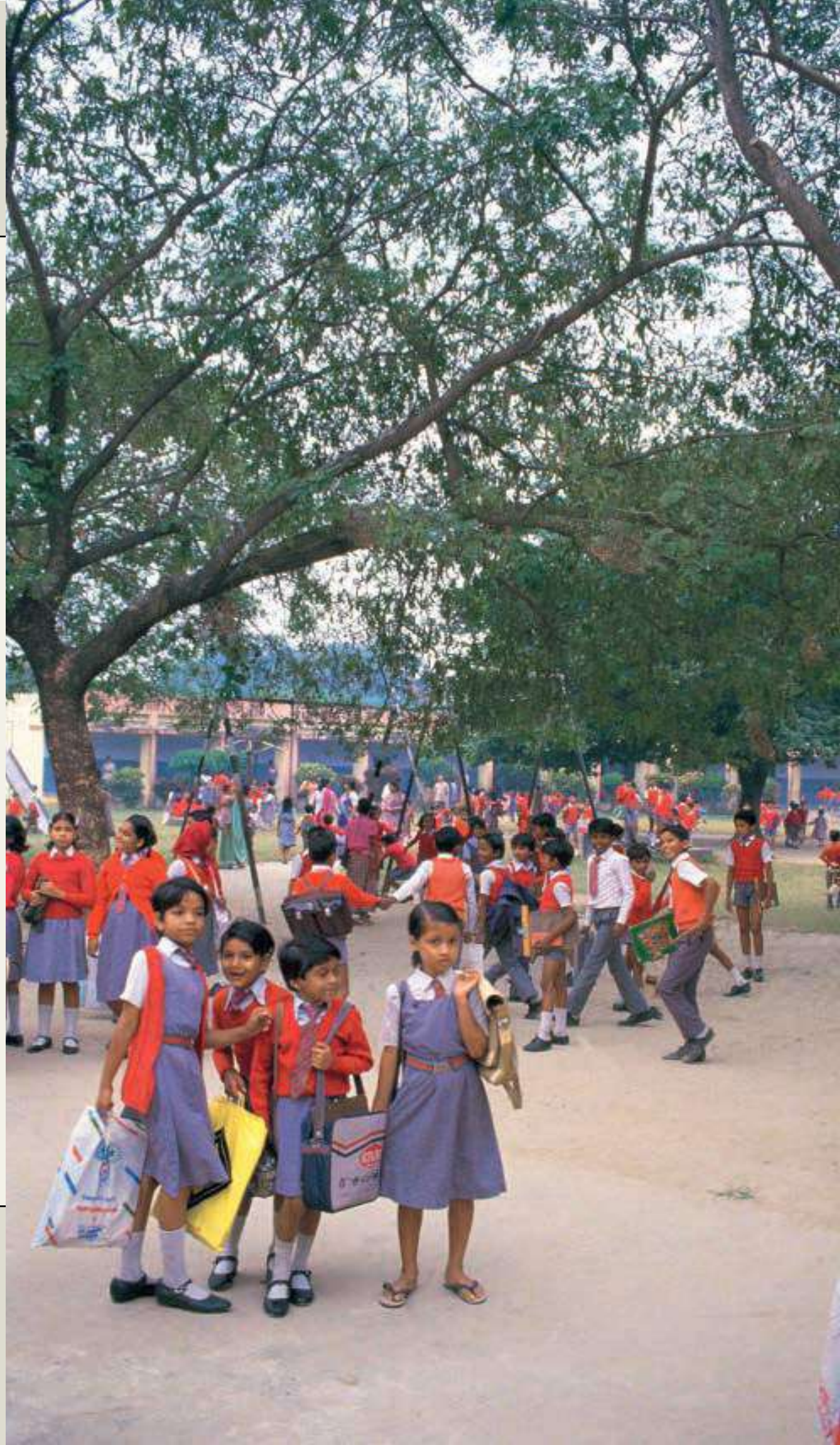
IndianOil spent Rs. 194.72 Crore (which is 65% of total CSR expenditure) on thematic area i.e. Health and Nutrition, with special focus on COVID related measures including setting up makeshift hospitals and temporary COVID Care facilities during 2021-22, in compliance with the Department of Public Enterprises (DPE) guidelines for CSR Expenditure by Central Public Sector Enterprises (CPSE). As against the 18 Aspirational Districts allotted by DPE, the Company spent Rs. 18.43 Crore in 36 Aspirational Districts during 2021-22.

IndianOil Vidushi project, started in 2018, truly epitomize the saying "When you invest in a girl's education, she feeds herself, her children, her community and her nation". (Ex- Prime Minister Erna Solberg of Norway). Under this CSR initiative, specialized coaching and mentoring is provided to underprivileged girls after class XII, to help them succeed in JEE Mains, JEE Advanced & other Central and State Engineering College Entrance Examinations. Till 2019-20, a maximum of 30 girls were selected for each of the 4 residential centres at Noida, Bhubaneswar, Patna and Jaipur through written tests and personal interviews, on merit-cum-means basis. The entire cost for specialized coaching, study material, boarding, food & other consumables, blankets, hygiene kits, dresses, health insurance etc. is borne by IndianOil.

Caring touch

CORPORATE SOCIAL RESPONSIBILITIES

At IndianOil, as other public sector undertakings, the vision extends beyond profits. Every year, the Corporation sets aside a fixed portion of its revenues for community welfare and development. It has supported innumerable such causes in India, including health-care, education, provision of potable water, sanitation, and empowerment of women and other economically and socially marginalised groups. About one-fourth of the earmarked funds are spent for the benefit of Scheduled Castes and Tribes.





(Clockwise from top) The 200-bed multi-speciality hospital at Digboi; Donation to Mother Teresa's homes (1991); ISKCON's food relief foundation gets 15 vans (2007); Udayan Ghar at Santnagar, Delhi, supported by the company.

Keeping the nation strong amidst the COVID-19 pandemic



- Contributed Rs. 40 crore towards PM-CARES Fund.
- Supported Installation of 12 Medical grade Oxygen Generation Units (capacity of 960 liter per minutes each) based on technology developed by DRDO in Hospitals of 3 states viz. Odisha (5 Plants), Uttar Pradesh (4 plants) and Madhya Pradesh (3 Plants).
- Contributed towards procuremnet of 2000 Oxygen Concentrator and 4000 Oxygen Cylinders to meet the demand of oxygen during peak of 2nd wave of COVID-19.
- Supplied 152 MT of medical grade liquid oxygen to various hospitals in Delhi, Haryana and Punjab.

Skill Development Institute, Bhubaneswar, Odisha

Skill Development Institute, Bhubaneswar (SDI-B) was set up on 9th May 2016 in a temporary campus with an aim to provide livelihood enhancing skill development training to unemployed & underprivileged youth and to provide skilled human resources to the industry. SDI Main Campus was inaugurated by Hon'ble Minister of Petroleum & Natural Gas & Steel 24th February 2019. The multi skilling institute (green campus), offering international standards of training is imparting world class skill development courses, supported by industry experts. SDI-B prepares students with adequate skills for pursuing careers as Industrial Electricians, Welders, Computer Data Application (only for girls), Fitter Fabrication, Instrumentation Technicians, Pipe Fitters (City Gas Distribution), Solar PV Installation and LPG Mechanics. About 390 students are enrolled in a single batch of 13 trade courses. The course duration ranges between 3 and 6 months.



IndianOil Aarogyam

‘IndianOil Aarogyam’ a flagship CSR project was initiated in 2018-19 with the objective to provide primary healthcare at people’s doorstep, particularly in rural and under-served areas. Twelve Mobile Medical Units (MMU), each with a 4-member medical team consisting of 1 Doctor, 1 Nurse, 1 Nursing Attendant and 1 Driver-cum-Community Mobilizer have been operating in the catchment areas of 3 Refinery Units, i.e., Mathura (Uttar Pradesh), Bongaigaon (Assam) & Paradip (Odisha). The MMUs conduct health screening, basic diagnosis and provide medical treatment. The MMUs cover more than 140 villages near the 3 Refineries. During 2021-22, patient footfall in the target geographies was around 2.72 lakh, out of which about 1.38 were female patients.



Assam Oil School of Nursing, Digboi, Assam



India has an average of 1.7 nurses for every 1,000 people, 43% less than the World Health Organisation norm (3 per 1,000). India needs 20 lakh nursing personnels to fill this wide gap. The COVID-19 pandemic has further increased the requirement for qualified nursing personnel. The Assam Oil School of Nursing (AOSN), Digboi was established with the dual objective of providing stable career and livelihood opportunities to young underprivileged girls and ensure availability of qualified nurses in the country. AOSN offers 3-year diploma in General Nursing and Midwifery (GNM) to young girls and enrolls 30 students every year. For the 4-year B.Sc. (Nursing) course, 30 students are offered admission every year (since 2014). Since inception, 497 students have completed the GNM course and 119 students have completed the B.Sc. (Nursing) course with 100% placement record.

Institute of Chemical Technology, Mumbai- IndianOil Odisha Campus (ICTM-IOC), Bhubaneswar, Odisha

In a first-of-its-kind initiative, IndianOil collaborated with Institute of Chemical Technology, Mumbai to set-up an off-campus of the Institute of Chemical Technology, Mumbai at Bhubaneswar. The institute christened as 'ICT Mumbai IndianOil Odisha Campus, Bhubaneswar' (ICTM-IOC), was inaugurated by the Hon'ble President of India in 2018.

The institute has been planned to evolve into an R&D/innovation hub to carry out high-end research in chemical engineering, petrochemicals, textiles, pharmaceuticals, and energy, to become a world-class Centre of Excellence in Chemical Engineering & Technology.



IndianOil Sports Scholarship Scheme

In line with the sports policy adopted in 1985, IndianOil has, over the years, recruited many promising sportspersons, who excelled at National & International levels and brought laurels to the Company and the Country. The Company had introduced Sports Scholarship Scheme in the year 2006-07 for promising young sports persons representing States in team games and National rank holders. The scheme started

with 55 scholarships in 7 games/sports. At present, 250 scholarships in 20 games/sports (Olympic sports categories & other popular games such as Hockey, Archery, table tennis, Carom, Chess, etc) are awarded to upcoming junior players from 13 to 16 years of age in two categories viz., Elite Scholar and Scholar.



IndianOil Medha Chhatravritti Yojna

Education, especially for women, is a tool which provides knowledge, skill, technique, information and enables them to know their rights and duties toward their family, society as well as the nation. An educated female population increases a country's productivity and fuels economic growth. According to the report "Children in India 2018" released by the Ministry of Statistics and Program

implementation, over 30% of girl students drop out of school by the time they get to Class IX and the number rises to 57% in class XI. The program is aimed to promote education amongst girl child and targets to reduce school dropout cases. The project includes distribution of one time educational scholarships to top 75 girls students of Class X from 30 Board across the country.





Cleaning of Bindusagar lake, Bhubaneswar



Chikitsa Sewa Kendra, Bongaigaon Refinery



Cattle Dung-based Biogas plant at Betul, Madhya Pradesh



Swarna Jayanti Samudayik Hospital in Mathura



AoD Hospital at Digboi Refinery



IndianOil Vidushi Programme to empower youth

--- Crafting a Green Future ---

At the edge of the sprawling 1055-acre Mathura Refinery campus is the many-tiered modern effluent treatment plant, where waste water from the refinery undergoes physical, chemical and biological cleansing. The treated water then collects in five large polishing ponds, with a total capacity of 30,000 cubic metres. These shallow tanks are awash with bright sunlight, which further improves water quality and promotes a healthy growth of aquatic life.

Not content with using them merely as pollution sinks, the refinery has nurtured the ponds and the 7.5-acre surrounding area as an ecological park, lush with carefully planted trees, shrubbery, a rosarium, etc. Select species of fish reared in the water keeps it clean, besides creating a source of food for birds. Attracted by the rich natural environment, hundreds of colourful migratory birds flock here, particularly in the winter months. With confirmed sightings of over 100 species of avifauna by the Bombay Natural History Society, the park has acquired the status of a mini bird sanctuary. Some of the winged visitors, especially night herons and egrets, have found the ponds convenient for breeding as well. The success at Mathura has spurred other IndianOil refineries to develop similar parks in their premises.



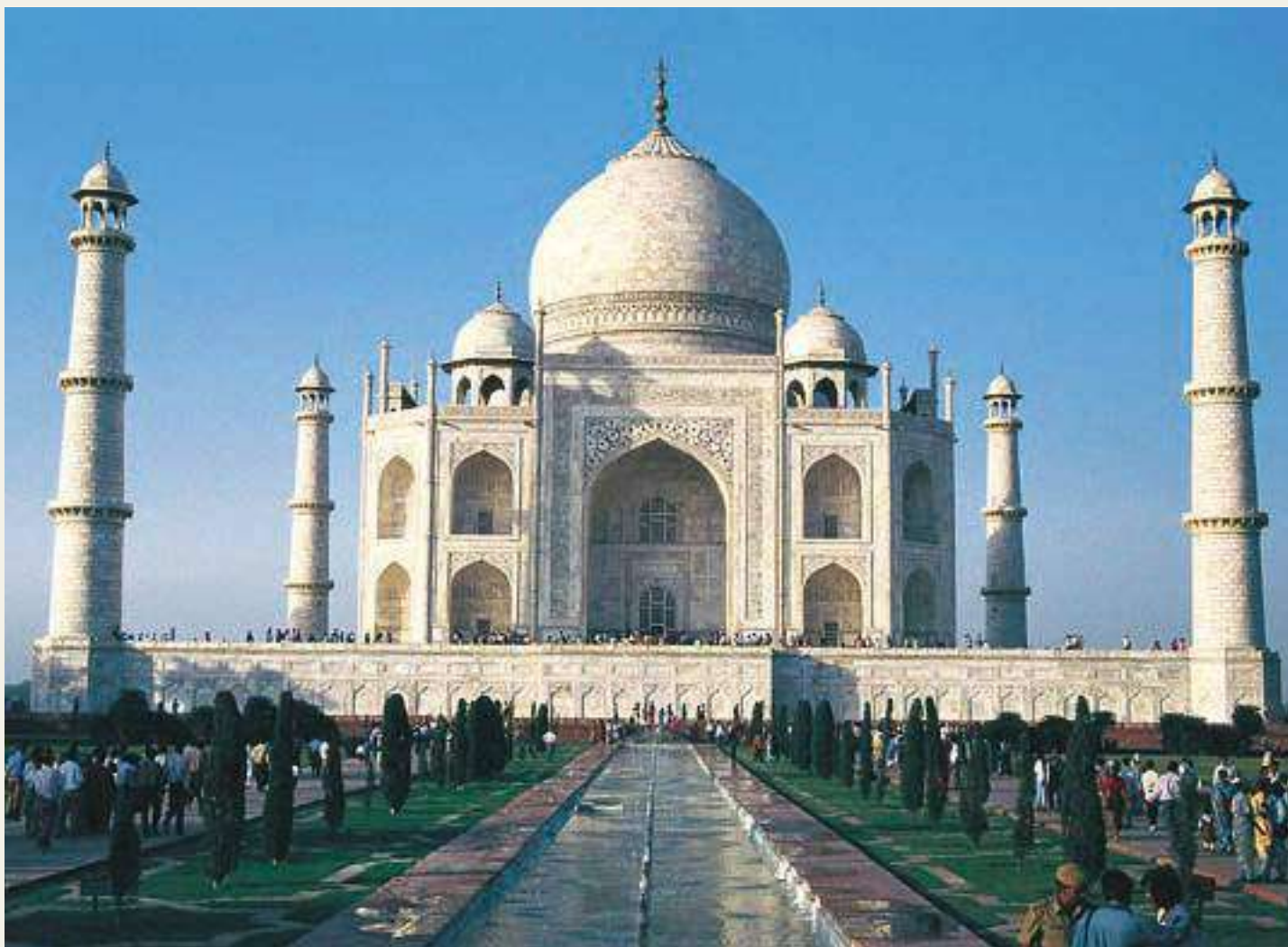
Barauni ecological park (right); Migratory birds at the Mathura (above).







A view of Ecopark of Gujarat Refinery. IndianOil Refineries have installed effluent treatment plants, ambient air quality monitoring stations and high-efficiency sulphur recovery plants to conform to the prescribed parameters.



When in the early 1970s, it was decided to locate a refinery at Mathura, a big concern was to shield the nearby Taj Mahal, at Agra, and other heritage monuments, from any potentially adverse effects of emissions. The refinery set up ambient air monitoring stations far beyond the work area; three in the downwind direction, towards Agra, and one at Bharatpur, to keep a check on the air quality. One hundred thousand saplings were planted in the eco-sensitive Taj Trapezium Zone to create a green buffer area around the archaeological sites.

Our Chairmen, from 1958 onwards

Indian Refineries Ltd (erstwhile)		
NAME	FROM	TO
Feroze Gandhi *	22.05.1958	08.09.1960
N S Mani *	05.10.1960	19.02.1961
D K Barooah *	20.02.1961	25.09.1962
Jogender Singh *	26.09.1962	13.10.1963
P R Nayak	14.10.1963	31.08.1964

Indian Oil Company Ltd (erstwhile)		
S Nijalingappa *	25.07.1959	23.12.1962
P A Gopalakrishnan	24.12.1962	31.08.1964

Indian Oil Corporation Ltd. Tenure of Chairmen



P A Gopalakrishnan
From: 01.09.1964
To: 31.07.1966



N N Kashyap
From: 01.08.1966
To: 31.08.1971



M Ramabrahmam
From: 01.09.1971
To: 30.09.1973



C R Das Gupta
From: 01.06.1974
To: 31.03.1982



A J A Tauro
From: 12.04.1982
To: 31.05.1986



S L Khosla
From: 01.06.1986
To : 03.06.1990



Dr P K Mukhopadhyay
From: 04.06.1990
To: 24.03.1991



K N Venkatasubramanian
From: 25.03.1991
To: 03.06.1993

* Part-time

Our Chairmen, from 1958 onwards



B K Bakhshi
From: 04.06.1993
To: 31.07.1994



J L Zutshi
From: 01.08.1994
To: 31.01.1995



R K Narang
From: 01.02.1995
To: 31.01.1997



M A Pathan
From: 01.02.1997
To: 31.03.2002



M S Ramachandran
From: 01.04.2002
To: 28.02.2005



Sarthak Behuria
From: 01.03.2005
To: 28.02.2010



B M Bansal
From: 01.03.2010
To: 31.01.2011



S V Narasimhan
From: 01.02.2011
To: 27.02.2011



R S Butola
From: 28.02.2011
To: 31.05.2014



Dr. R K Malhotra
From: 01.06.2014
To: 30.06.2014



A M K Sinha
From: 01.07.2014
To: 15.07.2014



B Ashok
From: 16.07.2014
To: 31.05.2017



Sanjiv Singh
From: 01.06.2017
To: 30.06.2020



Shrikant Madhav Vaidya
From: 01.07.2020
Present Chairman

Corporate Milestones

1958

Indian Refineries Ltd established on 22 August with Mr Feroze Gandhi as Chairman (part-time).

1959

Indian Oil Company Ltd incorporated on 30 June with Mr S Nijalingappa as Chairman (part-time).

1960

- Agreement signed with Soyuznefteexport of USSR for supply of kerosene and diesel.
- First import parcel of 11,390 tonnes of diesel from Russia received on 17 August at Pir Pau Jetty in Bombay. Carried by MV Uzhgorod, it was stored at Antop Hill installation, taken over from the defence services.
- First kerosene agency, Star Enterprises, commissioned at Mangalagiri, in Guntur district, Andhra Pradesh.

1961

First major coastal terminal commissioned at Kandla.

1962

- Guwahati refinery inaugurated by Pandit Jawaharlal Nehru, Prime Minister of India.
- Construction of Barauni Refinery commenced.
- First petrol/diesel station (retail outlet), Rasiklal Ashokkumar & Co, commissioned at Anjar, near Kandla, Gujarat.

1963

- Foundation stone laid for Gujarat refinery by Pandit Nehru.
- Indian Oil Blending Ltd (IOBL) formed as a 50:50 joint venture with Mobil Petroleum of USA for import/manufacture of lubricants.

1964

- Indian Refineries Ltd merged with Indian Oil Company with effect from 1st September, and Indian Oil Company renamed as Indian Oil Corporation Ltd.
- First cross-country petroleum products pipeline from Guwahati to Siliguri commissioned, along with first inland terminal at Siliguri.
- First lubricants blending plant of IOBL commissioned.
- Entered aviation fuelling business with supplies to the defence services; first airfield refuelling station inaugurated at Palam, Delhi.

1965

- Barauni refinery inaugurated by Prof. Humayun Kabir, Minister of Petroleum & Chemicals.
- Government of India vests IndianOil with the authority to canalise all imports of petroleum products.
- Indane brand LPG launched for the first time in the country at Kolkata.
- 100th depot commissioned at Jalgaon in Maharashtra.
- Aviation fuelling service commissioned for civilian aircraft at Mumbai.
- IndianOil People maintained supply of vital petroleum products to the defence services during the Indo-Pak war.

1966

- Koyali Refinery dedicated to the nation by Dr. S Radhakrishnan, President of India.
- Koyali-Ahmedabad and Barauni-Kanpur product pipelines commissioned.

1967

- Haldia-Barauni product pipeline commissioned.

- Bitumen and marine bunkering businesses commenced.
- Maiden export of petroleum products to the Far East.

1968

Techno-economic studies for Haldia- Calcutta, Bombay-Pune and Bombay- Manmad pipelines submitted to Government.

1969

Marketing of Madras Refineries Ltd products commenced.

1970

60% majority shares of Indo-Burmah Petroleum Co Ltd acquired from Steel Brothers & Co, UK (offloaded in favour of the President of India, in 1972).

1971

- Fuel supply lines maintained during the Indo-Pak war.
- Reservation in retail outlet dealerships extended to war widows, disabled defence services personnel, freedom fighters, etc., for the first time after the war.

1972

- Research & Development Centre set up at Faridabad, near Delhi.
- Servo, the first indigenous lubricant brand, launched.
- Haldia-Maurigram product pipeline commissioned.

1973

Foundation stone for Mathura Refinery laid by Prime Minister Indira Gandhi.

1974

- Market participation in sales reaches the highest point of 64.2%.



- Haldia refinery commissioned; Haldia-Maurigram product pipeline extended to Rajbandh.
- IOBL became a wholly-owned subsidiary.

1975

- Introduction of Multipurpose Distribution Centres for convenience of rural customers.
- The world's highest altitude retail outlet commissioned at Leh in Ladakh.

1977

Fuel-efficient Nutan kerosene wick stove launched by R&D Centre.

1978

Phase-wise commissioning of India's first cross-country crude oil pipeline from Salaya to Mathura begins; single-point mooring (SPM) set up at Salaya.

1981

- Digboi Refinery and Assam Oil Company's (AOC) marketing operations vested in IndianOil as Assam Oil Division (AOD).
- Commissioning of Salaya-Mathura crude oil pipeline system.

1982

Mathura-Jalandhar product pipeline system commissioned in phases.

1983

- Mathura Refinery inaugurated.
- Massive augmentation of LPG storage and distribution facilities undertaken.

1984

- Taluka kerosene depots commissioned for improved availability of kerosene in rural and hilly areas, in addition to Multipurpose Distribution Centres.

- Foreshore terminal commissioned at Kandla Port.
- Integrated Corporate Planning – a 10-year Perspective Plan and five-year Long Range Plan – initiated.
- Second SPM commissioned at Salaya.

1985

New office complex for registered office of the Corporation in Mumbai completed.

1986

A new foreshore terminal commissioned at Madras.

1987

Test marketing of compact five-kg LPG cylinders begins in Garo hills and Kumaon region.

1990

First LPG bottling plant of AOD commissioned at Silchar.

1993

- New-era micro-processor based Distributed Digital Control Systems begin replacing pneumatic instrumentation in refineries.
- Avi-Oil India Ltd incorporated as a JV company with Nyco SA of France and Balmer Lawrie of India.

1994

- India's first hydrocracker commissioned at Koyali Refinery.
- First overseas office established at Dubai.
- Four per cent equity divested by the Government of India in favour of mutual funds, banks, FIIS, NRIs, etc.

1995

- Five per cent equity shares issued in favour of employees; listing of equity shares on

Bombay Stock Exchange.

- IndianOil Institute of Petroleum Management at Gurgaon inaugurated.

1996

- Modernisation of vintage Digboi Refinery to state-of-the-art completed.
- State-of-the-art LPG import terminal commissioned at Kandla.
- Kandla-Bhatinda product pipeline inaugurated.
- Indian Oiltanking Ltd incorporated as a JV company with Oiltanking GmbH Germany and IBP Co Ltd.

1997

- Business development receives renewed thrust with new functional group.
- Petronet India Ltd incorporated as a JV company with BPC, HPC and others.

1998

- Phase-wise dismantling of Administered Pricing Mechanism (APM) begins; refining sector out of APM ambit with effect from 1st April.
- IndianOil Board reconstituted as a 'Navaratna' Board with induction of five part-time non-official independent directors.
- Panipat Refinery commissioned.
- Haldia-Barauni crude oil pipeline commissioned.
- Petronet LNG Ltd incorporated as a JV company with BPC, GAIL and ONGC.
- IndianOil Petronas Pvt Ltd incorporated as a 50:50 JC company with Petronas (Malaysia).

1999

- Government of India divests 9.11% of the total equity in favour of ONGC.



- Vision and Mission statements adopted.
- Continuous supply of petroleum products ensured at the time of Operation Vijay in Kargil.
- Manthan IT re-engineering project for implementation of ERP and add-on packages launched.

2000

- 1999-2000 turnover crossed Rs. 100,000 crore – first corporate in India to do so.
- The IndianOil Foundation, a non-profit trust, created to protect, preserve and promote the country's heritage.
- Government of India shares in Lubrizol India Ltd acquired; company becomes a 50:50 JV between IndianOil and Lubrizol Corporation of USA. commissioned at Asaoti.
- Entered oil exploration & production as consortium partner with award of two blocks under Round-I of New Exploration Licencing Policy (NELP-I).

2001

- Digboi Refinery completed 100 years of operation.
- Chennai Petroleum Corporation Ltd (CPCL) and Bongaigaon Refinery & Petrochemicals Ltd (BRPL) became subsidiary companies.
- Eight exploration blocks and two Coal Bed Methane (CBM) blocks awarded to an IndianOil-led consortium under NELP-II and CBM-I, respectively.
- IndianOil Mauritius Ltd (IOML) incorporated as first overseas subsidiary.

2002

- APM dismantled for marketing sector; pricing of petroleum products decontrolled.
- IBP Co Ltd acquired with management

control.

- Barauni Refinery expansion project completed.
- Haldia-Barauni crude oil pipeline augmented from 4.2 to 7.5 MMTPA.
- Branchline on Barauni-Kanpur product pipeline to Lucknow commissioned.
- New-generation branded auto fuels introduced.
- Lanka IOC Pvt Ltd (LIOC) incorporated as a wholly-owned subsidiary.

2003

- Gasohol, 5% ethanol-blended petrol, introduced in select states.
- Indmax unit commissioned at Guwahati Refinery for enhancement of light distillates yield.
- IndianOil Technologies Ltd incorporated to market the Corporation's intellectual property.
- LIOC commenced retail operations in Sri Lanka; became first Indian petroleum operations overseas.

2004

- Marketing of re-gassified LNG commenced.
- IOML's state-of-the-art oil storage terminal commissioned at Mer Rouge port, Mauritius.
- The world's largest single-train kerosene-to-LAB (Linear Alkyl Benzene) plant commissioned at Koyali refinery.
- Panipat-Rewari product pipeline commissioned.
- LIOC created history on Colombo Stock Exchange as the biggest ever equity issue in Sri Lanka; IPO offering 25% stake oversubscribed 11.6 times on the first day.

2005

- Exploration & production sharing agreement signed with the National Oil Corporation of Libya for a block in the

Sirte basin.

- Mathura Refinery became first Indian refinery to produce Euro-III compliant diesel, with the commission of diesel hydrotreater. Also commissioned India's first petrol quantity upgradation unit to produce Euro-III compliant petrol.
- Direct chartering of ships commenced for petroleum imports.
- Green Gas Ltd incorporated as a JV company with GAIL, IDCS and ILFS.

2006

- World-scale Paraxylene/Purified Terephthalic Acid (PX/PTA) plant commissioned at Panipat as mother plant for polyester industry.
- Chennai-Trichy-Madurai product pipeline dedicated to the nation.
- Kandla-Bhatinda product pipeline converted to crude oil service; renamed as Mundra-Panipat pipeline.
- Koyali-Dahej pipeline commissioned for product exports.
- IndianOil Blending Ltd (IOBL) merged with parent company.
- Indo Cat Pvt Ltd incorporated as a JV company with InterCat, USA.
- IndianOil Skytanking Ltd incorporated as a JV company with Indian Oiltanking and Skytanking, Germany.
- IOC Middle East FZE incorporated in UAE as an overseas subsidiary.
- Suntera Nigeria 205 Ltd incorporated as a JV Company with Oil India and Suntera Resources, Cyprus.

2007

- 2006-07 turnover crossed Rs. 200,000 crore mark – only corporate in India to do so.
- Panipat Refinery capacity doubled from six to 12 MMTPA.
- Marketing subsidiary IBP Co Ltd merged



- with parent company.
- Facilities for handling heavy crude oil commissioned at Mundra; branch pipeline laid from Lasariya to Chittaurgarh on Sidhpur-Sanganer product pipeline.
- Concept of ‘LNG at the doorstep’ launched for customers located away from gas pipelines.
- Lanka IOC commissions Lube Blending Plant, and laboratory for testing fuels and lubricants at Trincomalee.

2008

- First LPG pipeline commissioned from Panipat to Jalandhar.
- Servo lubricants launched in Oman.

2009

- ‘New Vision with Values’ adopted.
- Paradip-Haldia crude oil pipeline commissioned, with SPM.
- Mundra-Panipat crude oil pipeline augmented from six to nine MMTPA.
- Bongaigaon Refinery & Petrochemicals Ltd merged with parent company.
- IndianOil-CREDA Bio-fuels Ltd incorporated as a JV company with Chattisgarh Renewable Energy Development Agency.

2010

- First batch of Bharat Stage-IV grade petrol was made available to the National Capital Region.
- First R-LNG pipeline Dadri – Panipat Pipeline was commissioned.
- Indane became its second energy brand to earn the coveted Superbrand status.
- Innovative initiatives for LPG booking like all India toll-free numbers for customer feedback, SMS/IVRS facility.

- Completed the switchover to BS-III & IV compliant transportation fuels across the country.
- Became largest supplier of Mono Ethylene Glycol (MEG) in the domestic market.
- Bestowed with the ‘Maharatna’ status by Govt. of India.
- Hydrocracker unit and additional refining capacity inaugurated at Haldia Refinery.
- The naphtha cracker complex which is one of the largest of its kind in India was commissioned.

2011

- Commissioning of DHD T Turnkey Project at Bongaigaon Refinery and two units developed by R&D Centre were successfully commissioned in Bongaigaon.
- R&D invented the Compact Reformer technology for single-step blending of 18% H₂ with CNG.
- SERVO was honoured with the Best Supplier status.
- Grameen SERVO Stockist initiative launched to boost rural lubricant sales.
- SERVO launched in Bahrain.
- Indane supply commenced at Asia’s highest village, Komic, Himachal Pradesh
- The retail outlet network crosses the 20,000 mark.
- Over 2700 outlets across the country were fully automated.
- Kerbside pump at Debring, on the Manali-Leh highway in Ladakh was inaugurated at an altitude of 15,750 ft.

2012

- Guwahati Refinery completed 50 years.
- IndianOil adjudged Best Enterprise for Women’s Development by WIPS.
- Acquires stake in shale oil and gas assets at

Niobrara basin in Colorado, USA.

- The strategic highway retail initiative launched at COCO Anakapalli, near Vishakapatnam.
- Strategic AFS, 70 km from Pakistan border, commissioned at Thoise in the Leh-Ladakh region. Thoise stands for "Transit Halt Of Indian Soldiers En Route".

2013

- SERVO exports to three new overseas destinations – Madagascar, Maldives and Kenya, thus expanding the coverage to 24 overseas markets.
- Premium grade SERVO Futura Synth and SERVO 4T Synth were launched.
- Barauni – Kanpur Pipeline celebrated its Golden Jubilee.
- Foundation stone for patented IND Adept technology for gasoline desulphurization laid at Guwahati Refinery.
- Aadhar-based Direct Benefit Transfer of LPG subsidy (DBTL) launched at Tumkur, Karnataka.
- Foundation stone for Foundation project laid at Konark Sun temple complex.
- Sale of compact LPG cylinders at Ros along with portability scheme for LPG connections launched.
- Project Chetna, a professional training initiative for customer attendants was launched.
- A safety culture improvement project – SEED (Safety in Each and Every Deed) – was launched at Gujrat Refinery.
- The Corporation launched a new initiative Project Samriddhi.
- Initiating a unique drive ‘Networking of Highway Ros, covering 600 retail outlets.
- Butadiene extraction unit was commissioned in October.
- ISRL commissioning at Panipat in November.



2014

- Butene-1 unit was commissioned in May 2014.
- During the unprecedented floods in Jammu & Kashmir, IndianOil's teams implemented a contingency plan for immediate rescue, food supplies etc.
- Foundation stone for Polypropylene plant laid in Paradip.
- Entered niche product segments like Styrene Butadiene Rubber (SBR), Butene-1, and Butadiene.
- The Corporations' JV Company, became the first in India to produce SBR, a 100% import substitute product.
- Launched the Indane Nanocut, an LPG metal cutting gas, this marked the first nanotechnology initiative to be commercialized.
- A 100 Kl commercial plant, commissioned in Panipat in 2022.
- IndianOil R&D develops a game-changing technology in collaboration with Lantech, USA to reduce carbon footprint.
- Fully automated fuel stations in 30 cities.
- Led the OMCs in implementing PaHaL, the world's largest direct benefit transfer scheme for LPG cooking gas across India.
- Developed of 'smart terminals', with state-of-the-art features for safety, security and efficient operations.
- Project Chetna won the ATD (Association for Talent Development, USA) 'Excellence in Practice-2014' citation.
- A 5MMTPA LNG import terminal at Ennore near Chennai was set up.
- IndianOil established itself as the second largest player in Petrochemicals in India.

2015

- Barauni Refinery celebrates Golden Jubilee
- Indane Nanocut, launched for high

temperature industrial applications.

- XtraPower, Fuel@IOC and X-Sparsh consumer mobile apps launched.
- India's first smart terminal inaugurated in Chittoor.
- Indane completed 50 years as one of India's oldest brands, with about 10 crore customers.
- IndianOil Aviation celebrates 50 years of fueling.
- World's highest-altitude solar-powered retail outlet launched in Leh.
- SERVO lubricants received an innovative cost-reduction-cum-value-addition programme, besides exports to over 40 overseas markets.
- IndianOil launched a start-up fund with a revolving corpus of Rs. 30 crore to promote promising start-ups in the domestic hydrocarbons sector.
- First lot of crude for Paradip Refinery was received through SPM.
- 1st phase of commissioning its 15 MMTPA state-of-the-art Paradip Refinery with crude processing in Atmospheric & Vacuum unit (AVU).
- INDMAX Unit Commissioned at Paradip Refinery.
- Mr Dharmendra Pradhan, Honorable Minister of Petroleum & Natural Gas flagged-off the first dispatch of consignment of products from Paradip Refinery.

2016

- IndianOil's 1.5 million tonnes per annum state-of-the-art Paradip Refinery commissioned and dedicated to the nation.
- Hon'ble Prime Minister of India Sh. Narendra Modi dedicated Paradip Refinery project to the nation.
- Paradip Refinery safely and successfully commissioned 650 KTPA Alkylation unit.
- Pradhan Mantri Ujjwala Yojna (PMUY)

launched in a big way across the country to provide free LPG cooking gas connections.

- For the first time, Indane LPG cooking gas sales crossed 10 million tonnes during the year.
- Mathura Refinery became the first refinery in the country to produce BS-VI compliant petrol and diesel supply the same to the automobile manufacturers.
- With the commissioning of 1102 km of pipelines section during the year, the network expanded to 12,848 km.
- SERVO launched in Saudi Arabia.
- First CNG stations inaugurated in Mohali and Chandigarh.
- Acquired substantial stakes in the Vankor and Taas assets of Rosneft, the national oil company of Russia.
- Hindustan Urvarak & Rasayan Ltd., a Joint venture, formed along with Coal India Ltd., NTPC, FCIL and HFCL.
- Gorakhpur, Sindri and Barauni.
- Declared as the Year of LPG customers, a helpline – 1906 was launched for LPG customers.
- 100th AFS at Rourkela.
- 5000th tanker berthed at Vadinar, Gujarat.
- Golden jubilee of CPCL.
- Declared as Year of Values.
- Foundation stone for INDMAX Project at Bongaigaon Refinery was laid.
- Paradip – Raipur – Ranchi Pipeline commissioned.

2017

- Extending the supply of cleaner BS-IV grade transportation fuels right across the country.
- Foundation stone of the first Octamax technology-based unit laid at Mathura Refinery.
- Guwahati Refinery received the first rake of imported crude.

- Commissioning of IND Adept unit of Guwahati Refinery.
- IndianOil's patented bioremediation technology OiliVorous successfully treats marine oil spill at Ennore.
- Durapave, a high-performance bitumen brand, launched.
- Golden Jubilee of Haldia-Maurigram-Rajbandh-Barauni pipeline.
- IndianOil inks JV for a 60 MMTPA integrated refinery-cum-petrochemicals project on the West coast, with other oil marketing companies (OMCs), at an approximate cost of Rs. 2.7 lakh crore.
- In its quest for an India-centric solution to fast-track e-mobility in the country, IndianOil R&D embarks upon research in Al-Air batteries alongwith Lead acid batteries.
- 450 kg Indane Jumbo cylinder launched in Coimbatore.
- Haldia-Mourigram-Rajbandh-Barauni pipeline completes 50 years.
- First crude oil cargo from the USA arrives at Paradip.
- In association with Ola launched nation's first EV charging station in Nagpur.
- New aviation fuel stations (AFS) commenced operations at Puducherry, Kadapa, and Shillong.
- Took up demonstration trials on India's first Hydrogen fuel cell-powered bus in collaboration with Tata Motors.
- Indane refill booking facility was enabled through Facebook and Twitters pages also.
- Witnessed the highest ever production of MS, HSD, ATF, LPG, bitumen, polypropylene and Linear Alkyl Benzene.
- Commissioning of the 1073-km Paradip-Raipur-Ranchi pipelines system.
- Expansion of pipeline projects with a combined capital expenditure of Rs. 20,000 crore undertaken.

- First company to set up a fast-charging station at Nagpur, Delhi and Kolkata and two in Hyderabad.
- Tie up with National Agricultural Cooperative Marketing Federation of India Ltd. (NAFED).
- A new subsidiary was incorporated in Singapore.
- Maynamar and representative office was opened in Bangladesh.

2018

- Mathura and Panipat Refineries commenced BS-VI grade auto fuel supplies to the National Capital Territory (NCT).
- Formed a joint venture, Indhradhanush gas Grid Ltd., with ONGC, OIL, GAIL and NRL to develop a gas pipelines connecting all the State Capitals of the northeast.
- The R&D Centre crossed a filing of 1,001st patent.
- R&D Centre also commissioned a 5 tonnes-per day plant at Faridabad for converting organic waste to biogas.
- Octamax Unit successfully commissioned at Mathura Refinery.
- Acquisition of PI in E&P assets in Oman, Abu Dhabi and Israel.
- Approval for a Plastics Park at Paradip through a Joint Venture with Industrial Development Corporation of Odisha.
- Initiated diversification into alternative, renewable energy and biofuels – 2G & 3G ethanol, waste-to-energy and compressed bio-gas.
- Launched SATAT (Sustainable Alternative Towards Affordable Transportation) initiative.
- Unified XTRAREWARDS cards launched.
- India's first hydrogen fuel cell bus flagged off during the 47th Foundation day of R&D Centre.
- The world's highest bottling plant at Leh goes solar.

- India's first 24/7 solar-powered retail outlet Jubilee RO inaugurated in Kochi.
- INDMAX goes global.
- India's first hydrogen fuel cell bus was commenced.
- Bongaigaon Refinery became the 1st IndianOil refinery with ISO 50001 2018 certification.

2019

- The foundation stone of "Namami Gange" project was laid in Mathura.
- IndianOil Marked 60 years in September.
- Digboi Refinery becomes first IndianOil Refinery to roll out 100% BS VI Fuel.
- Launched a winter-grade BS-VI diesel for supply through the fuel stations in high altitude regions of the Himalayas.
- Prime Minister of India laid the foundation stone of 2757 Km Kandla- Gorakhpur LPG Pipeline, feeding 22 bottling plants en-route.
- Commissioned Indo-Nepal Motihari – Amlekhganj products pipeline to Nepal.
- Commenced the sale of Compressed Bio-Gas (CBG) under brand name 'Indigreen', as part of the SATAT scheme, at Pune Kolhapur.
- Laid India's first transnational Motihari-Amlekhganj products pipeline to Nepal.
- The first ever overseas agreement to licence IndianOil's INDMAX technology.
- Hon'ble PMs of India and Bangladesh inaugurated the import of bulk LPG from Bangladesh into Northeast India
- Hon'ble Prime Minister of India, Mr. Narendra Modi laid the foundation stone of new AVU Unit under Barauni Refinery expansion project and the Hydrotreating Unit.
- Gujarat Refinery became the first in India to produce Low Sulphur Furnace Oil (Marpol).



- Exported Bulk Propylene for the first time.
- The Polypropylene (PP) Unit at Paradip Refinery went on stream with the successful commissioning of Train-2.
- Commissioning a 5-tonne per day bio-methanation plant at Faridabad.
- Foundation stone for second R&D campus laid.
- Steady fuel supply was maintained for Indian Air Force relief teams during natural calamities.

2020

- Pan-India transition from BS-IV grade fuels directly to BS-VI fuels across its refinery-pipelines-marketing network.
- Becoming the first company in India to offer IMO-compliant marine fuel (0.5% sulphur) and lubricants.
- Chief Minister of Odisha and Union Minister for Petroleum & Natural Gas and Steel jointly inaugurated Product Applications & Development Centre (PADC) at Paradip.
- First company in India to offer IMO-compliant marine fuel (0.5% sulphur) and lubricants.
- Roll out of the country's first 100 octane gasoline - XP100 - across 10 select cities of the country in the first phase.
- The Company contributed Rs. 225 crores to PM CARES fund.
- Despite the lockdown, about 25 lakh cylinders were delivered to the doorsteps of customers everyday.
- Commissioning of four new AFSs at Naharlagun, Pantnagar, Ludhiana and Agatti, alongside operating 119 AFSs in the country.
- All IndianOil Refineries have launched

PAN-INDIA BS-VI compliant fuels.

- Extended insurance cover to its frontline workers under IndianOil Karma Yogi Swasthya Bima Yojna, and facilitated vaccination for its 4.2 lakhs stakeholders' family.
- Indane XtraTej is launched in September as a power-packed nano-additised fuel for industrial customers.
- The convenient, 5 kg Free Trade LPG cylinder, relaunched as Chhotu, making an almost 50% increase in sales.
- A crucial mega-investment decision of 9 MMTPA greenfield refinery at Nagapattinam in Tamil Nadu, through a Joint venture.
- Commissioning of INDMAX and PrimeG units at Bongaigaon.
- A Joint Venture, IOC Phinergy Pvt. Ltd. Has been forged between IndianOil and Israeli company, Phinergy, to commercialise the Alluminium- Air Battery technology in India.
- Diverted the high purity oxygen used in its Mono Ethylene Glycol (MEG) unit, at Panipat Refinery & petrochemicals Complex, to produce medical grade liquid oxygen.
- Assisted the government in creating a robust infrastructure for Liquid Medical Oxygen (LMO) transportation.
- Indian Oil launched the country's first 100 Octane petrol Xp100.

2021

- The Pipelines Division achieved the milestone of 15,000 km pipeline network length, with the commissioning of the 144 km of Ramanthapuram.
- First ever EBMS batch certified and dispatch of the first batch of 10% Ethanol blended Motor Spirit (EBMS) from

Bongaigaon Refinery.

- Hon'ble Prime Minister of India dedicated Bongaigaon Refinery's INDMAX project to the Nation.
- One Horn Rhino adopted as Brand Mascot.
- IndianOil became the first Public Sector Enterprise to Induct 9 women hockey players onto its rolls.

2022

- Guwahati Refinery celebrates Diamond Jubilee on achieving 60 glorious years in the service of the nation.
- SERVO Brand completes 50 years.
- IndianOil R&D Centre and Bongaigaon Refinery celebrated 50 years golden jubilee.
- IndianOil SuryaNutan indoor cooking solution launched for Indian homes.
- India's first and world's third Green Cooling Tower (GCT) was commissioned at Barauni Refinery.
- Commissioning of Diesel Exhaust Fluid (DEF) unit at Gujarat under brand name as IOC CLEARBLUE.
- Dahej - Koyali Natural Gas Pipeline (106 Km) commissioned.
- Foundation stone for second campus laid.
- XTRAFFLO drag reducing agent, based on IndianOil's indigenous technology launched.
- The Corporation accumulates intellectual capital in the form of over 1540 patents filed and over 1420 patent portfolio.
- IndianOil inks MoU with NTCA for transcontinental relocation of 'Cheetah'.
- IndianOil committed to achieve Net-Zero emissions by the year 2046.



IndianOil

A Journey Continuous!

Energy is the key driver of economic productivity and industrial growth for any country. India's continuous industrialisation and urbanisation will make huge demands of its energy sector. Serving the nation for over 60 years, IndianOil understands the energy needs of this growing country and is committed to energise the country with sustainable energy solutions.

As the world seeks ways to accelerate the pace of transformation in the energy sector, India is in a unique position to pioneer a new model for low-carbon emissions, inclusive growth and IndianOil is confident of leading the way for the Indian Oil and Gas industry, creating a diversified energy basket for the country and creating value for the stakeholders.



and IndianOil continues to soar high ...



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