

इंजीनियर्स इंडिया लिमिटेड (भारत सरकार का उपक्रम) एक नवरात्र कम्पनी
ENGINEERS INDIA LIMITED (A Govt. of India Undertaking) A Navratna Company

पंजीकृत कार्यालय : इंजीनियर्स इंडिया भवन, 1, भीकाएजी कामा प्लेस, नई दिल्ली-110 066 भारत
 Regd. Office : Engineers India Bhawan, 1, Bhikaiji Cama Place, New Delhi-110 066 INDIA
 ईमेल/e-mail: company.secretary@eil.co.in, दूरभाष /Phone: 011-26762855/2580

कंपनी सचिवालय/ COMPANY SECRETARIAT

सं.सचिव /No. Secy/906/9/10

27.05.2022

The BSE Limited Phiroze Jeejeebhoy Towers Dalal Street, Fort Mumbai - 400 023 Scrip Code-532178	The National Stock Exchange of India Limited Exchange Plaza, 5th Floor Bandra Kurla Complex Bandra (East), Mumbai-400051 Symbol-ENGINERSIN
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विषय: निवेशक प्रस्तुति: वार्षिक वित्तीय परिणाम **FY 2021-22** पर हाइलाइट्स

Sub: Investor Presentation: Highlights on Annual Financial Results FY 2021-22

प्रिय महोदय/महोदया,
 Dear Sir/Madam,

Pursuant to the provisions of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, the Investor Presentation on highlights of the of the Annual Financial Results for the FY 2021-22 is enclosed herewith for the purpose of dissemination of information widely to the members.

धन्यवाद/Thanking you,

भवदीय/Very truly yours,

Narendra Kumar

नरेंद्र कुमार/Narendra Kumar

अनुपालन अधिकारी/Compliance officer

संलग्नक: यथोक्त/Encl: As above

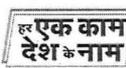
उत्कृष्टता का आधार - हमारे कर्म

Delivering Excellence Through People



पंजीकृत कार्यालय / Regd. Office - फोन / Phone : +91-11-26762121 (EPABX)

CIN : L74899DL1965GOI004352



Website : www.engineersindia.com

सर्व शिक्षा अभियान

हिन्दी देश की एकता की कड़ी है।

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इंजीनियर्स
इंडिया लिमिटेड (भारत सरकार का उपक्रम)

 ENGINEERS
INDIA LIMITED
(A Govt. of India Undertaking)

Investor Presentation

Annual Results : FY 21-22

27th May 2022

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5 Orders in hand and Outlook	36



1

Overview of Engineers India Limited (“EIL”)

Company Background



- India's leading Engineering Consultancy & EPC -**Navratna** company
- 1965 - Established as a JV between Gol and Bechtel.
- 1967 - Wholly owned Gol company
- Over 7000 assignments and Project worth over \$ 200 Bn executed
- Significant track record across entire oil & gas value chain with experience of landmark projects
- In-house and collaborative R&D (33 active patents)
- **International presence** : *Middle East, Africa, South Asia & Central Asia*
- Around 2700 employees
- **Focused diversification:** *Infrastructure, Strategic crude oil storage, Fertilizer, Ports, LNG, Non-ferrous Metallurgy, Water & Waste Water Management*

Marquee Projects

Dangote Refinery
&
Petrochemical



GGS Refinery
& Cracker



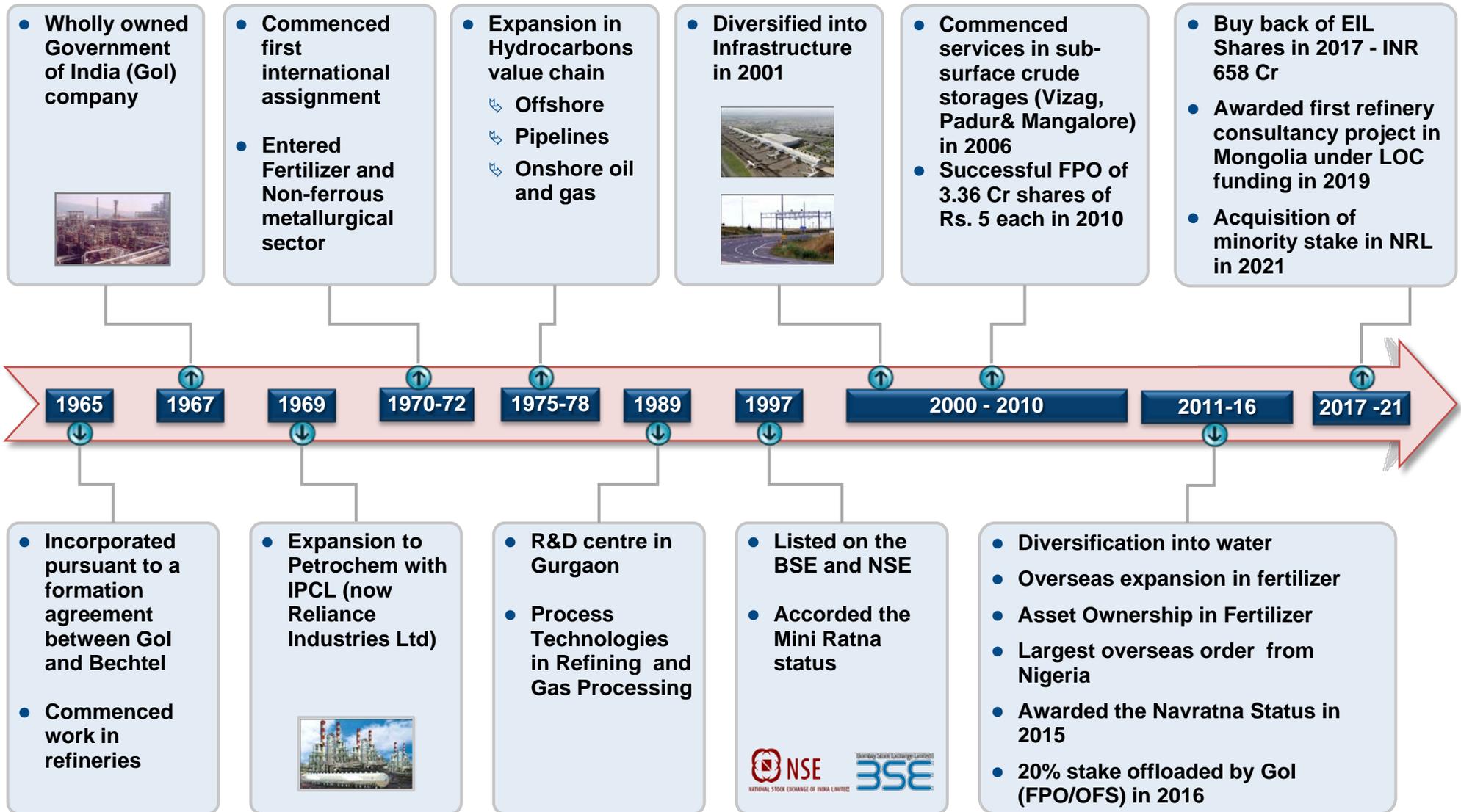
HRRL Integrated
Refinery Complex



Indian Strategic
Petroleum Reserve
Ltd



Evolution & Key Milestones – Over 5 decades





Oil & Gas/ SPR



Fertilizer &
Gasification



Mining &
Metallurgy



Bio-fuels



Gas/LNG Infra



Airports &
Defence



Water & Waste
Water



Ports &
Harbour



Urban Infra



Clean Energy
(H₂)



Diversified Portfolio: Involved in Nation Building since Inception

Technology Licensing

- Conceptualization of Process
- Process Modelling & simulation
- Bench / Pilot Studies
- Technology Development & Licensing

Process Design

- Pre-feasibility studies
- Technology and licensor selection
- Conceptual design & feasibility
- Process design package

Project Management

- Integrated Project Management services
- Project Control - Planning & Scheduling, Monitoring, Costing

Engineering

- Residual engineering and FEED
- Detailed engineering
 - ↳ Engineering for procurement
 - ↳ Engineering for construction

Construction Management

- Materials /warehouse management
- Quality assurance and health, safety & environment
- Progress monitoring/ Scheduling
- Mechanical completion
- Site closure

Supply Chain Management

- Supplier and contractor management
- Expediting and inspection
- Vendor development

Commissioning

- Pre-commissioning and commissioning assistance
- Safety audit
- HAZOP and SIL studies
- Risk analysis

Specialized Services

- Environment engineering
- Heat and mass transfer
- Plant operations and safety management
- Specialist materials and maintenance services

Certification (through CEIL)

- EIL subsidiary – Certification Engineers International Limited (CEIL)
- Certification and re-certification services
- Third party inspection

Consultancy Contracts

<p>1</p> <p>EPCM</p>	<ul style="list-style-type: none">• Engineering, Procurement and Construction Management Services	<p>2</p> <p>FEED</p>	<ul style="list-style-type: none">• Front-end Engineering & Design for complete definition of scope for selection of EPC contractor
		<p>3</p> <p>PMC</p>	<ul style="list-style-type: none">• Project Management Consultancy Services for managing EPC contractors

Turnkey Contracts

<p>1</p> <p>LSTK</p>	<ul style="list-style-type: none">• Fixed price Lump Sum Turnkey Contracts also referred to as EPC contracts
<p>2</p> <p>OBE</p>	<ul style="list-style-type: none">• Open book estimate - Also known as Cost plus contracts

Asset Ownership

<p>1</p> <p>JVC</p>	<ul style="list-style-type: none">• Acquisition of Assets through Equity Participation.
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- R&D Center with multiple pilot and demo facilities at **Gurugram**
- Developed more than **40 Process Technologies**
- **33 active Patents, 35 pending grant**
- Technology collaboration with Research Organizations of IOCL, BPCL, HPCL, GAIL and Research Institutes like CISR-IIP, CSIR-NCL, ICT, IITs
- **>60% of process technologies in refineries already indigenized**
- Tremendous technology absorption capacity has been successfully demonstrated
- **100% Engineering indigenization in high tech domain of oil & gas achieved**
- Facilitating further development of indigenous capabilities through **Start-up India (EngSUI)TM**





2

Track record and Credentials

Leadership Position in Refineries & Petrochemicals in India

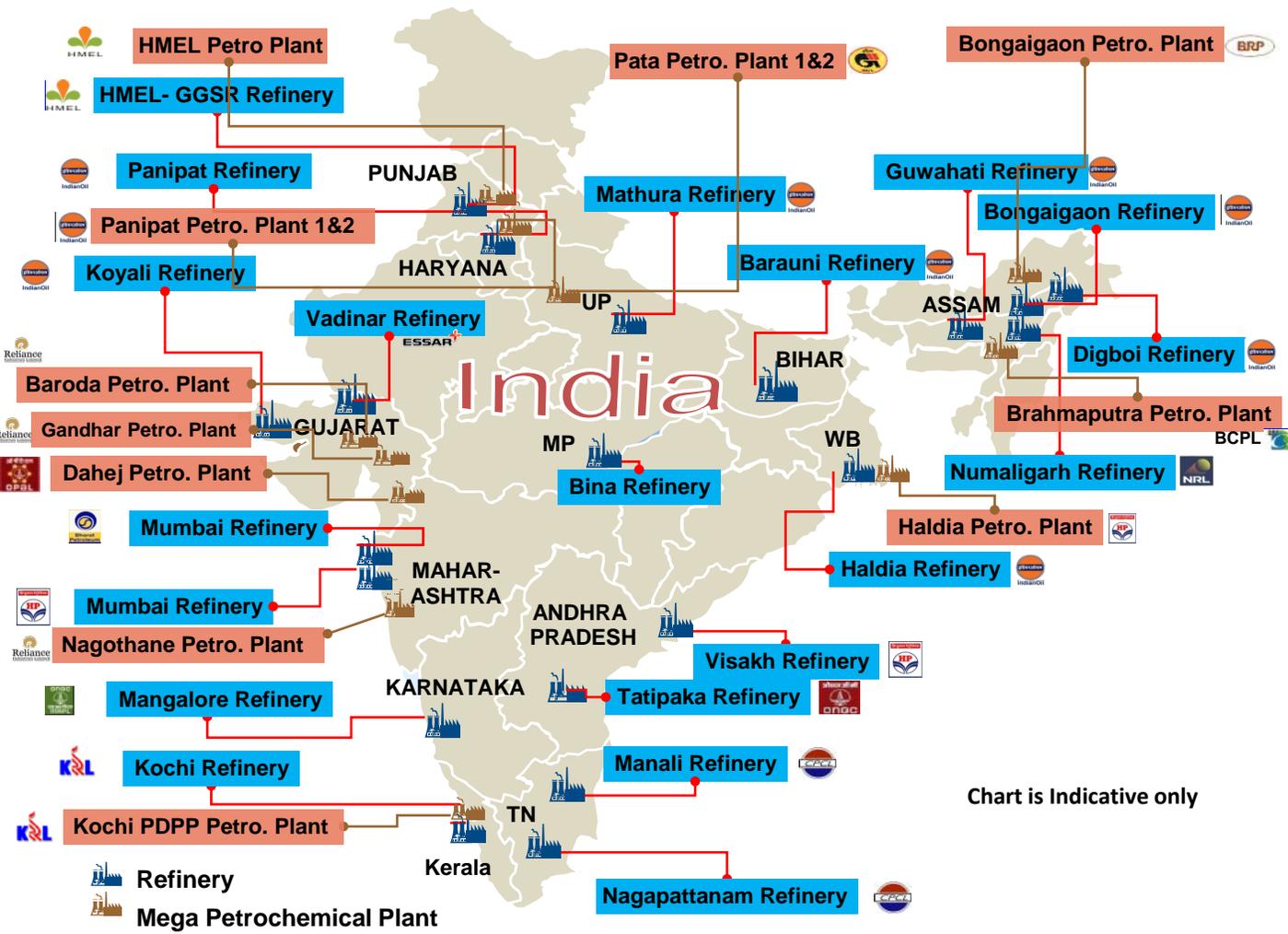


Chart is Indicative only

Milestones

- 20 out of 23 Refineries in India have EIL Footprints
- Installed 10 out of the 11 mega petrochemical complexes in India.
- Built combined refining capacity of more than 150 MMTPA (3 million BPD) in India
- Engineered 10 grass-root refineries.
- Forayed into new areas such as underground caverns for storages
- Product upgradation leapfrogging to BSVI product quality for MS and Diesel pan India
- Integrated Refinery and Petrochemical Work in progress on Rajasthan Refinery & HEMEL

Select Overseas Projects across various segments

Sector	Country	Client
Refinery	Nigeria	Dangote
Refinery	Bangladesh	ERL
Refinery	Algeria	Sonatrach
Refinery	Kenya	KPRL
Refinery	Angola	Sonangol
Refinery	Oman	Sohar

* Recently EIL has completed DFR for Mongol Refinery

Sector	Country	Client
Oil & gas	UAE	NPCC, ADCO
Pipelines	UAE	GASCO
Pipelines	UAE	NPCC, ADCO

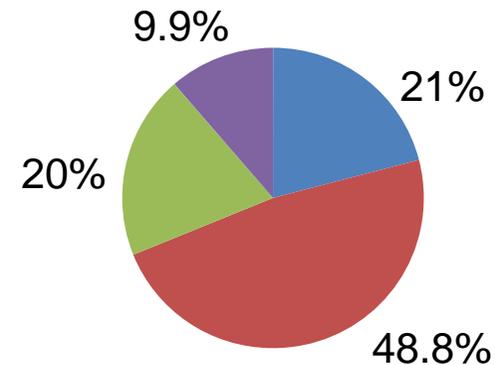
Sector	Country	Client
Fertilizers	Nigeria	Indo Rama
Fertilizers	Indonesia	PAU Fertilizer
Fertilizers	Bangladesh	BCIC
Fertilizers	Malaysia	Petronas Fertilizer (Kedah) Sdn. Bhd.
Non Ferrous	Bahrain	ALBA

Sector	Country	Client
LNG	Algeria	Sonatrach
Petrochemicals	UAE	BOROUGE
Petrochemicals	Oman	Orpic
Petrochemicals	Iran	NPC

Qualification	Count
Graduates in Engineering	2017
Post Graduates in Engineering	259
Doctorates in Engineering	13
Total Personnel with Engineering Qualification (Technical Manpower)	2289
Other Professionals (MBA/MCA/CA/ICWA/CS)	130

Role	Count
Project Management and Control	322
Engineering and Technology	1231
Construction	587
Commercial and Procurement	286
Company Mgmt, HR and Finance	284
Total	2710

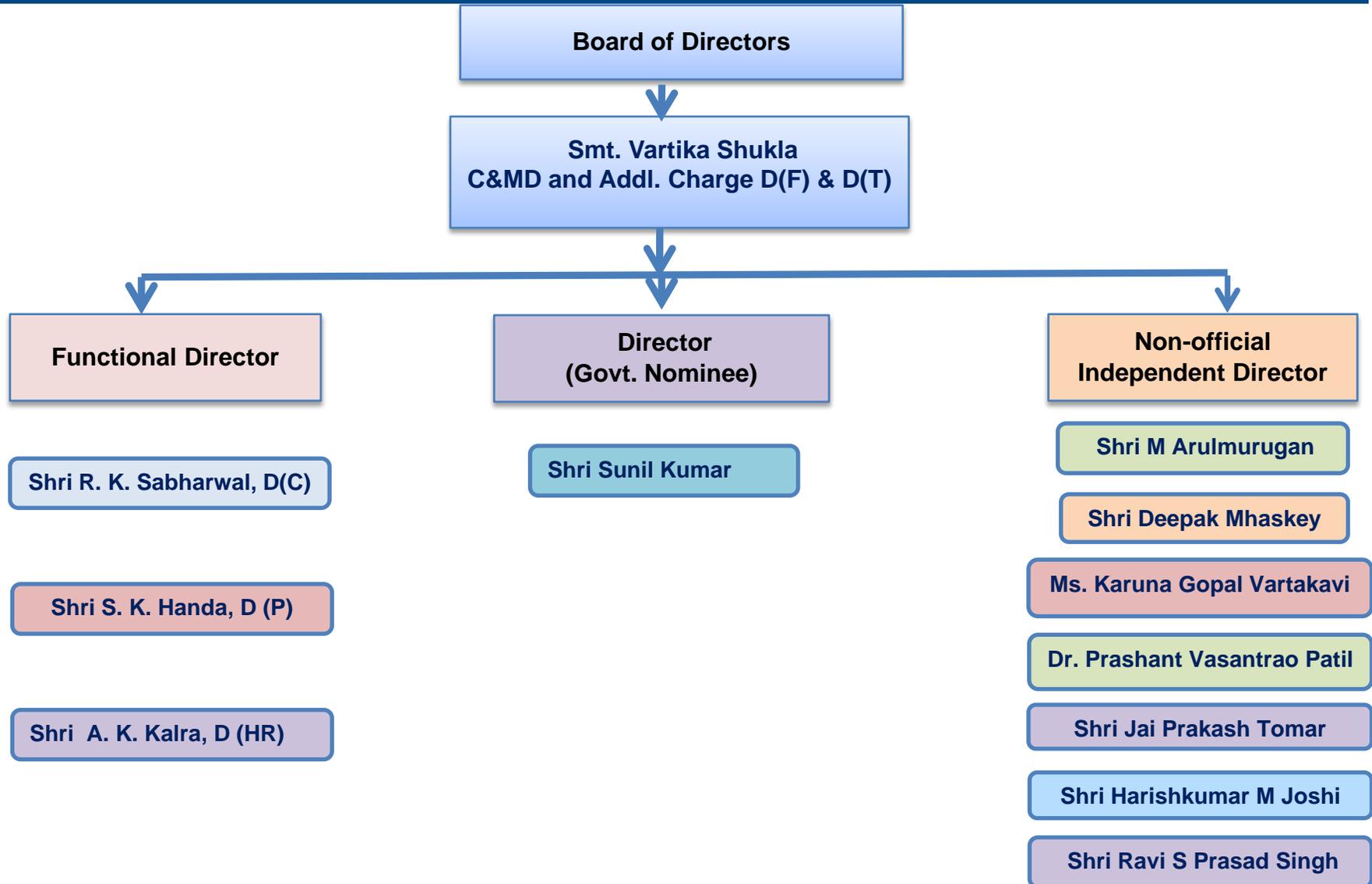
Personnel Experience



■ 0 to 10 ■ 10 to 20 ■ 20 to 30 ■ 30 & above

- 4.2 Million Man-hours are available annually in EIL offices.
- 1.4 Million Man-hours are available annually at various construction sites.
- Average Attrition Rate < 1 % per year (Past 3 FYs)
- Approx 12% are Female employees. Out of these 73% are Technical
- Average Age 40.6 years

As on 31st March 2022



Major Awards and Accolades (2021-22)



- **13th CIDC Vishwakarama Award 2022 for Best Construction Projects** - Construction of Guru Gobind Singh Polymer Addition project of HPCL-MITTAL Energy Limited (HMEL) Bhatinda, Punjab



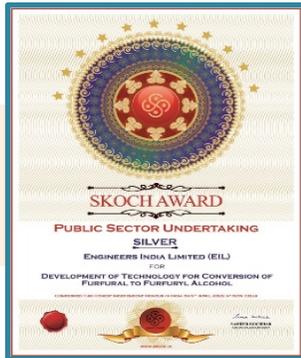
- **13th CIDC Vishwakarama Award 2022 for Achievement Award for Construction HSE** - Visakh Refinery Modernization project, VRMP Site, Vishakhapatnam, Andhra Pradesh



- **IEI Industry Excellence Award 2021 in Engineering and Service Consultancy Sector** instituted by The Institution of Engineers (India)



- **FIPI Oil & Gas Industry Awards 2021** in category ‘Woman Executive of the Year’ to Ms. Papia Mandal, Deputy General Manager (Structural)



- **SKOCH Order-of-Merit for R&D Project** - ‘Development of Technology for Conversion of Furfural to Furfuryl Alcohol’

- **8th Governance Now 2021 Award** in the categories of ‘Re-skilling of Employees (Training & Development)’ and ‘CSR Commitment ‘



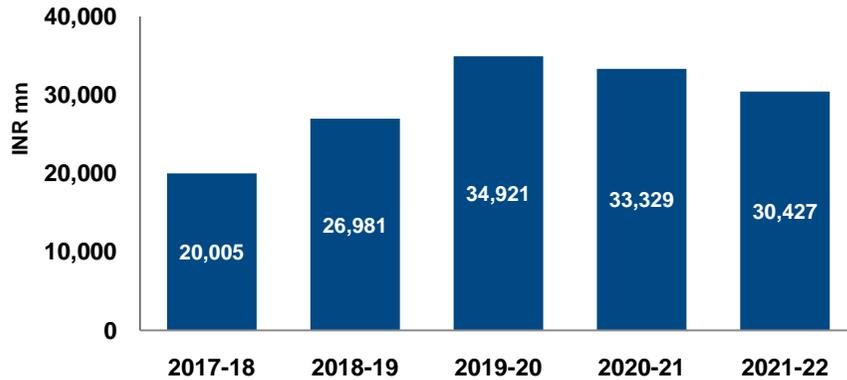
3

Financials and Order Book Overview

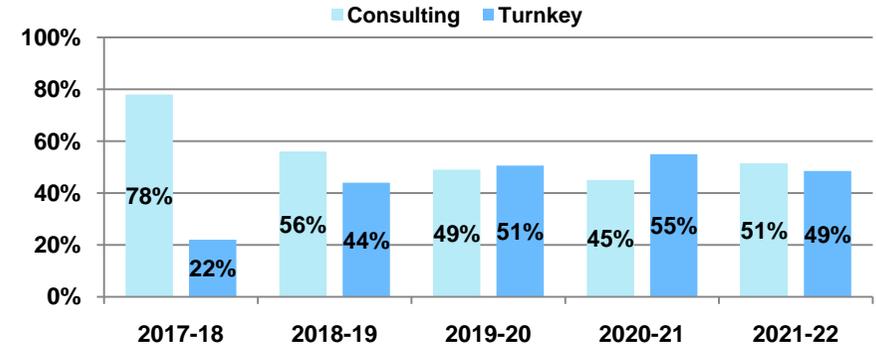
Financial and Operating Track Record - Consolidated



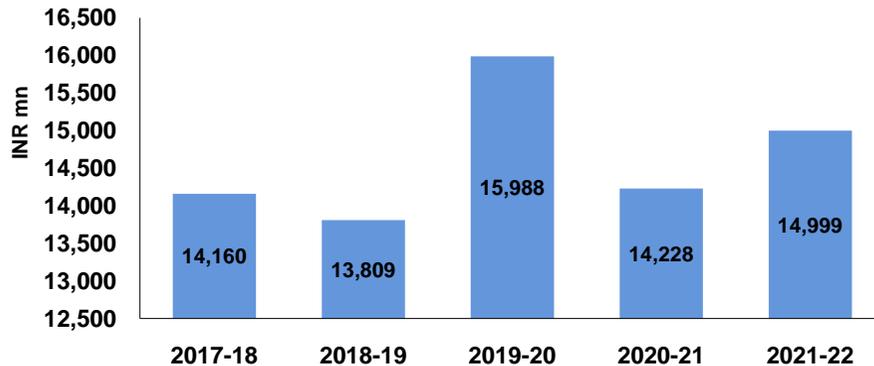
Total Income (INR mn)*



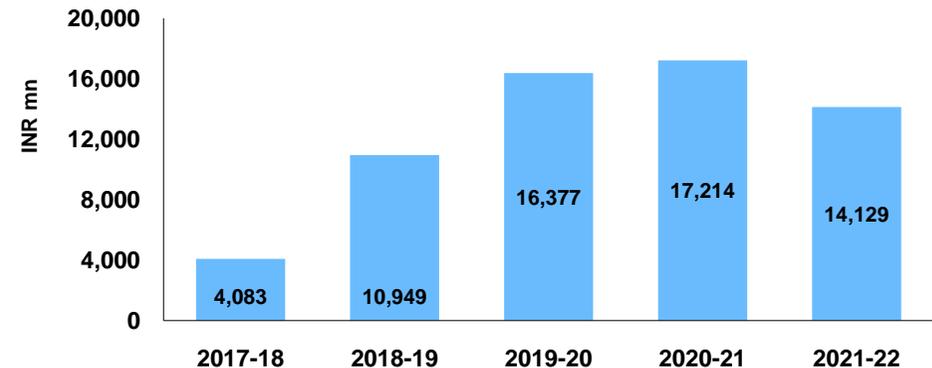
Revenue Segmentation*



Consultancy & Engineering Revenue (INR mn)*



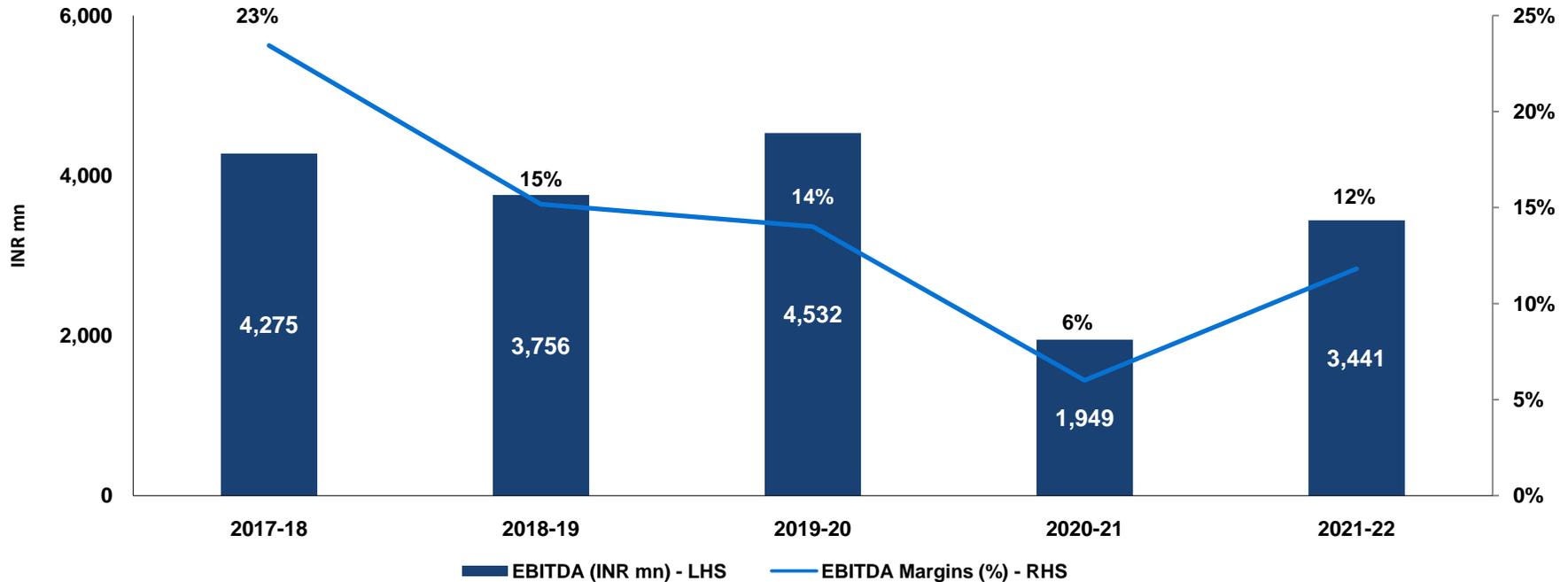
Turnkey Projects Revenue (INR mn)*



** Revenue does not include Other Income

• Note: All figures have been taken on a consolidated basis

EBITDA## Performance (INR mn)*



Note: All figures have been taken on a consolidated basis

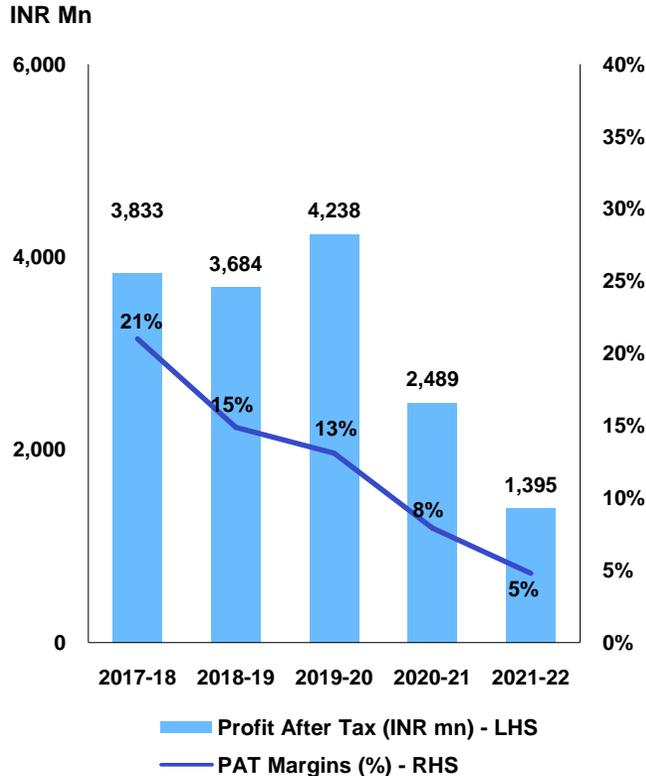
EBITDA: Earnings Before Interest, Tax, Depreciation and Amortization (does not include Other Income)

EBIDTA for FY 20-21 shown above include adjustment for exceptional items. EBIDTA excluding exceptional items is approx 11%.

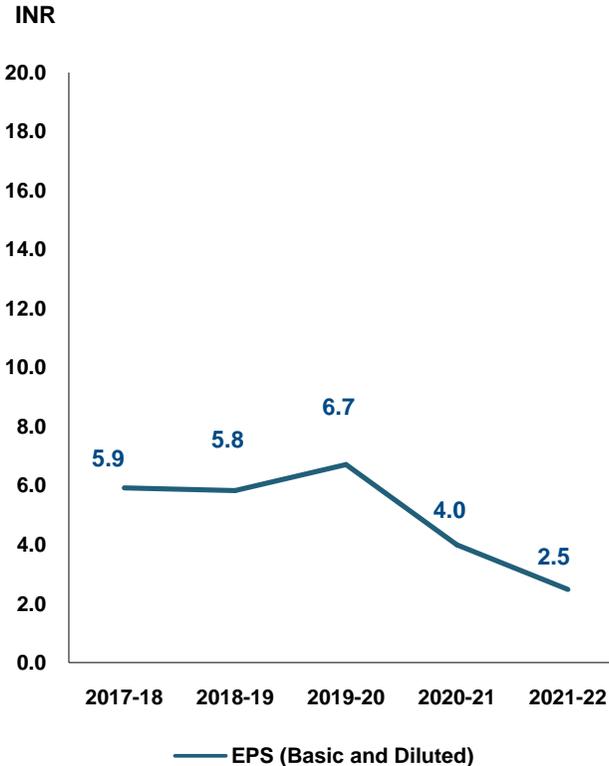
Financial and Operating Track Record - Consolidated



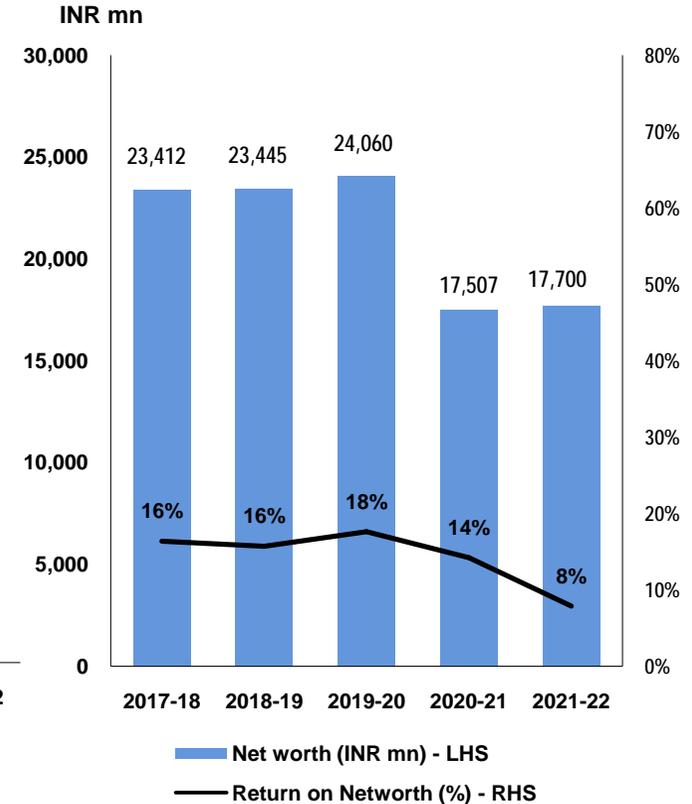
Profitability (INR mn)*



Earnings per Share – EPS (INR)*

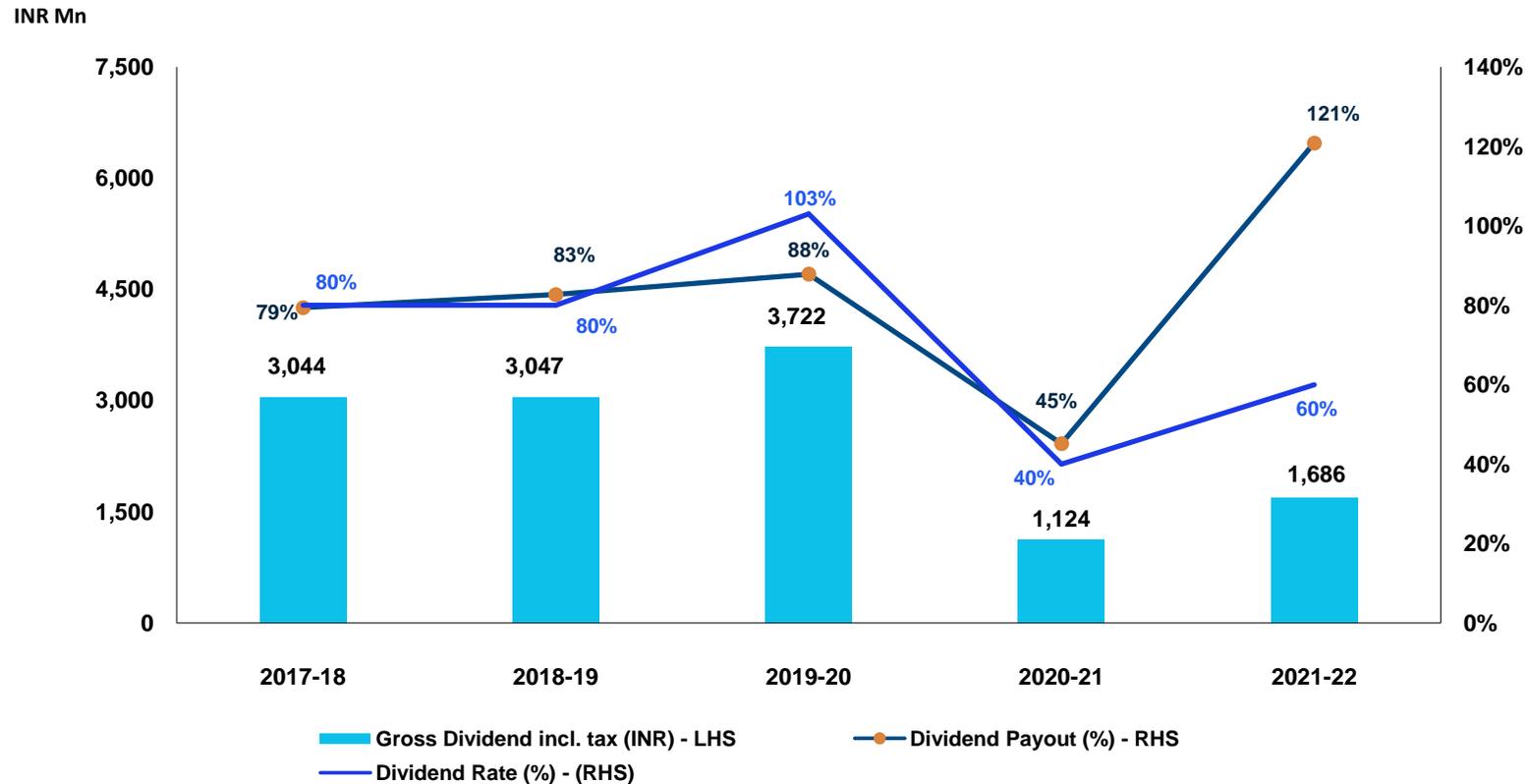


Return on Net Worth (%)*



* Note: All figures have been taken on a consolidated basis

Dividend Distribution (INR mn)*



* Note: All figures have been taken on a consolidated basis
 Dividend Payout calculated as a percentage of Profit After Tax (PAT)



Consistent Dividend Track Record

Annual Performance Summary – Standalone



Rs Mn

TURNOVER	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
Consultancy	14,575	13,833	15,653	13,494	13,793	11,650
Turnkey	14,129	17,214	16,377	10,949	4,083	2,836
Consultancy + Turnkey	28,704	31,047	32,030	24,443	17,876	14,486
Other Income	1,367	1,949	2,580	2,251	1,795	2,237
Total Income	30,071	32,996	34,611	26,694	19,671	16,723

SEGMENT PROFITS	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
Consultancy	4,085	3,799	4,989	3,894	4,303	3,592
Turnkey	356	558	655	628	754	1036
Consultancy %	28%	27%	32%	29%	31%	31%
Turnkey %	3%	3%	4%	6%	19%	37%

PAT	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
PAT	3,444	2,595	4,302	3,701	3,779	3,250
PAT %	12%	8%	13%	15%	21%	22%

Note: All figures are on standalone basis and rounded off to nearest digit

Quarterly Performance Summary – Standalone



Rs Mn

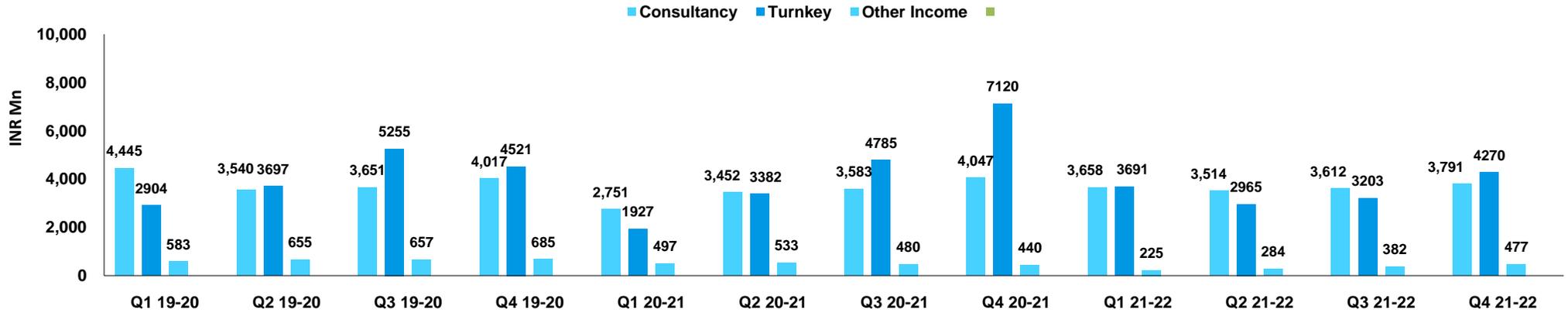
TURNOVER	Q1	Q2	Q3	Q4	H1	H2	9M	Annual
Consultancy – Domestic	2795.60	2841.71	3005.09	3078.77	5637.31	6083.86	8642.40	11721.17
Consultancy - Overseas	861.90	672.60	607.30	712.06	1534.50	1319.36	2141.80	2853.86
Consultancy Total	3657.50	3514.31	3612.39	3790.83	7171.81	7403.22	10784.20	14575.03
Turnkey	3691.45	2964.54	3203.33	4269.64	6655.99	7472.97	9859.32	14128.96
Consultancy + Turnkey	7348.95	6478.85	6815.72	8060.47	13827.80	14876.19	20643.52	28703.99
Other Income	224.70	283.71	381.84	477.07	508.41	858.91	890.25	1367.32
Total Income	7573.65	6762.56	7197.56	8537.54	14336.21	15735.10	21533.77	30071.31
SEGMENT PROFIT	Q1	Q2	Q3	Q4	H1	H2	9M	Annual
Consultancy	1100.21	895.21	860.61	1228.83	1995.42	2089.44	2856.03	4084.86
Turnkey	116.36	74.47	68.44	97.29	190.83	165.73	259.27	356.56
Total	1216.57	969.68	929.05	1326.12	2186.25	2255.17	3115.30	4441.42

• Note: All figures are on standalone basis and rounded off to nearest digit

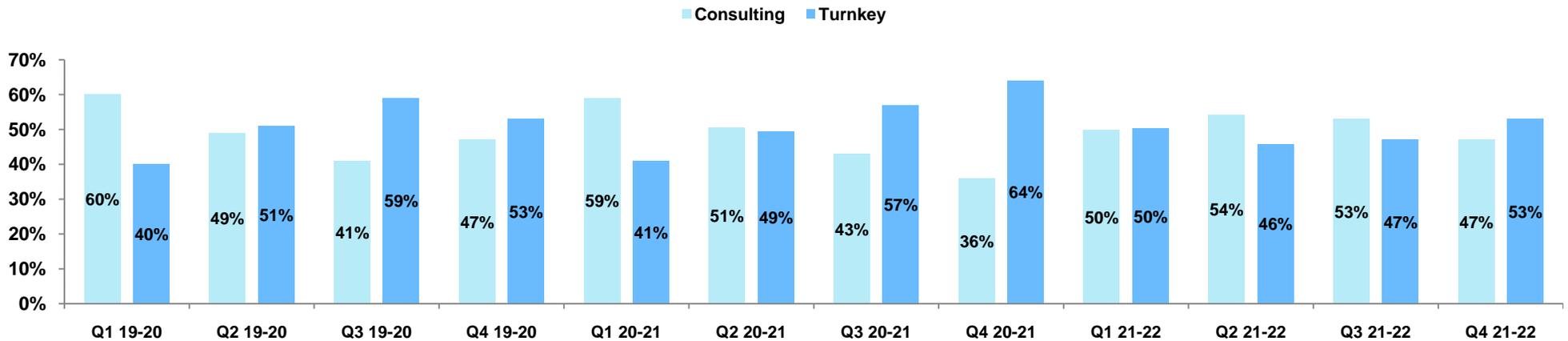
Quarterly Performance Track Record - Standalone



Total Income



Revenue Mix (Consultancy Vs Turnkey)

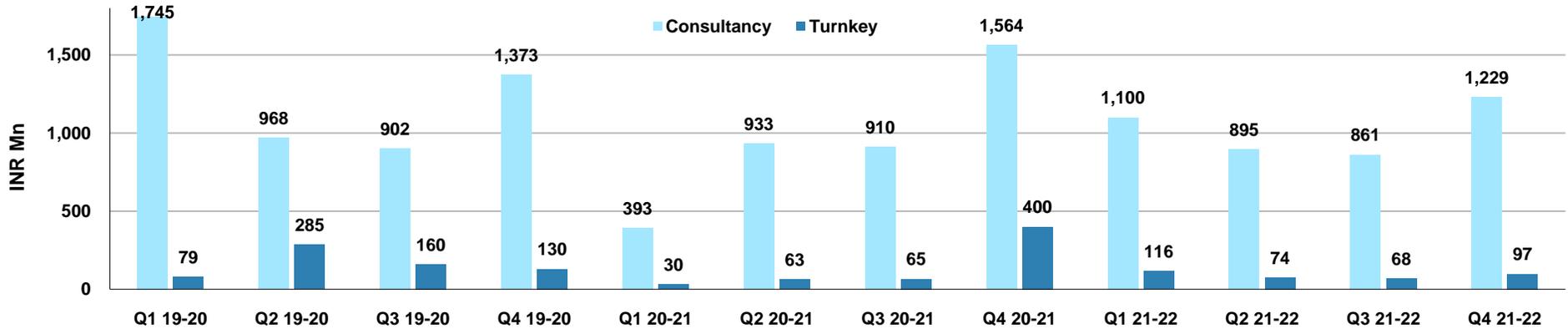


Note: All figures have been taken on a standalone for EIL

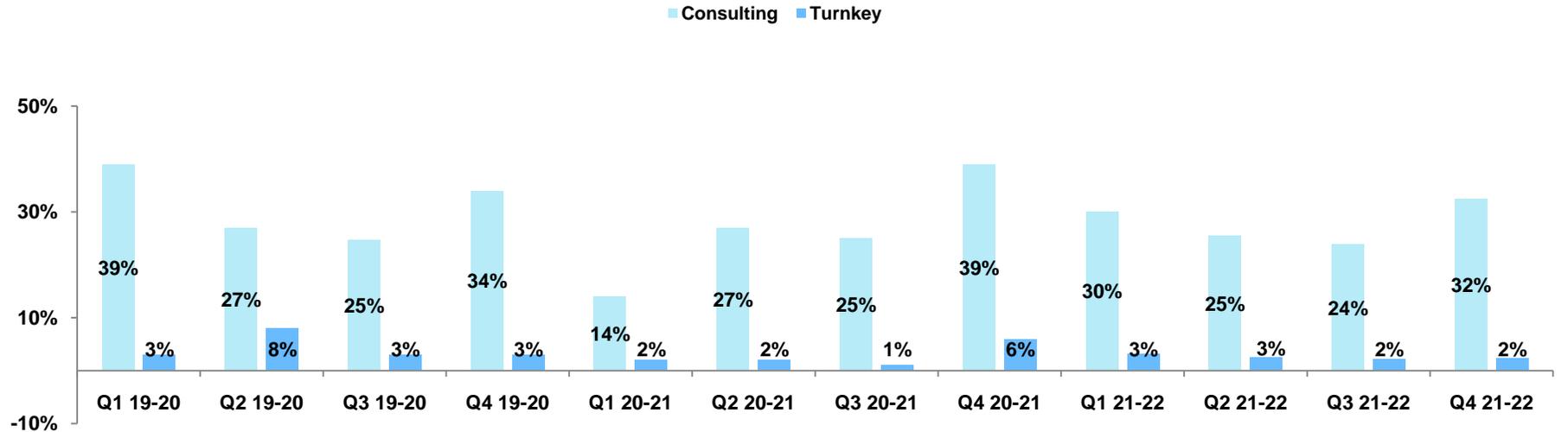
Quarterly Performance Track Record – Standalone



Segment Wise Operating Profit



Segment Wise Profit %



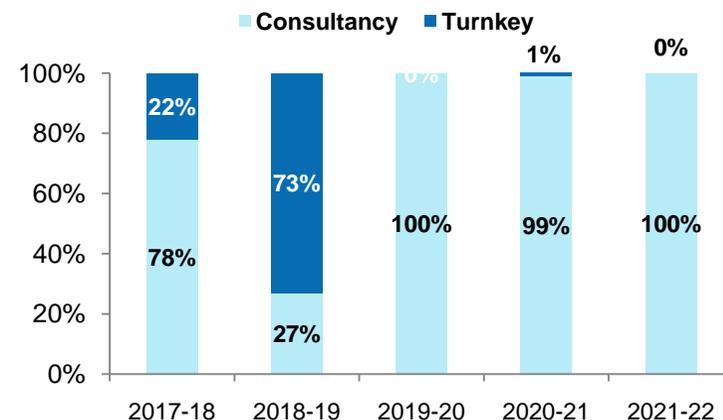
Note: All figures have been taken on a standalone for EIL

Business Secured and Order Book – Standalone



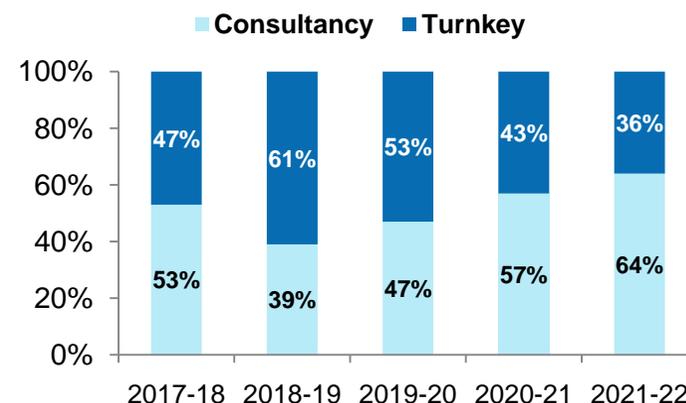
Rs Mn

Business Secured	FY 21-22	FY 20-21	FY 19-20	FY 18-19	FY 17-18
Consultancy (domestic)	16,515	14,550	8,119	14,942	13,572
Consultancy (overseas)	356	1,011	8,053	911	3,036
Consultancy Total	16,871	15,562	16,172	15,853	16,608
Turnkey	0	130	0	43,052	4,797
Total Business secured	16,871	15,692	16,172	58,905	21,405



Rs Mn

Order Book	March 22	March 21	March 20	March 19	March 18
Consultancy	48,983	45,816	44,561	43,124	41,739
Turnkey	27,566	34,003	50,993	68,763	36,992
Total Order Book	76,549	79,819	95,554	1,11,887	78,731
Consultancy %	64%	57%	47%	39%	53%
Turnkey %	36%	43%	53%	61%	47%

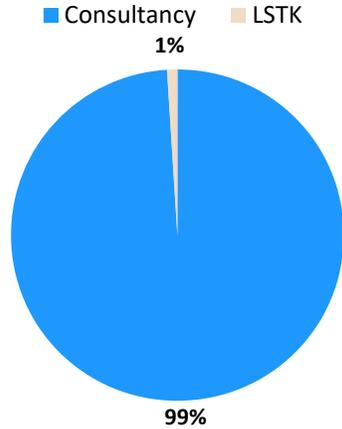


Note : Data on unconsolidated basis

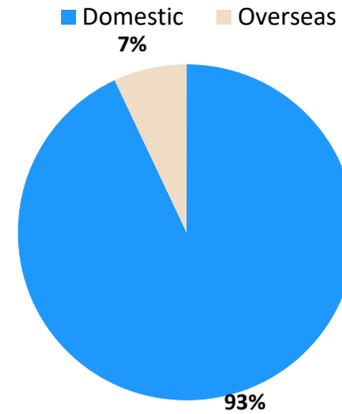
Orders Secured Break up - Standalone



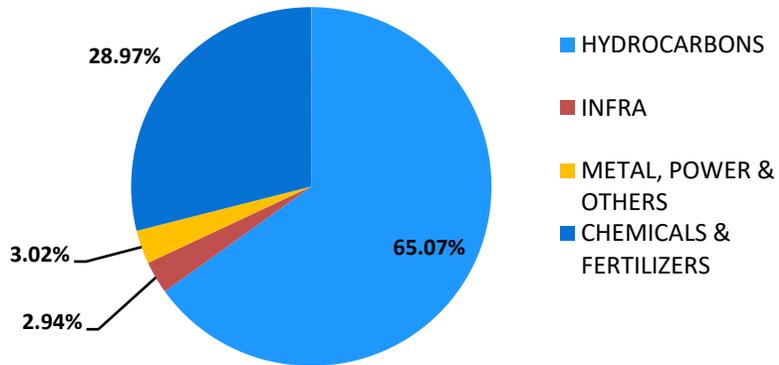
Consultancy Vs LSTK



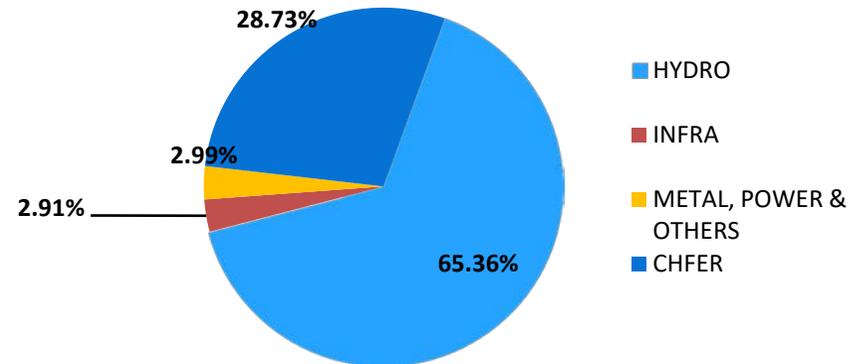
Consultancy Domestic Vs Overseas



Consulting Segmental Break up



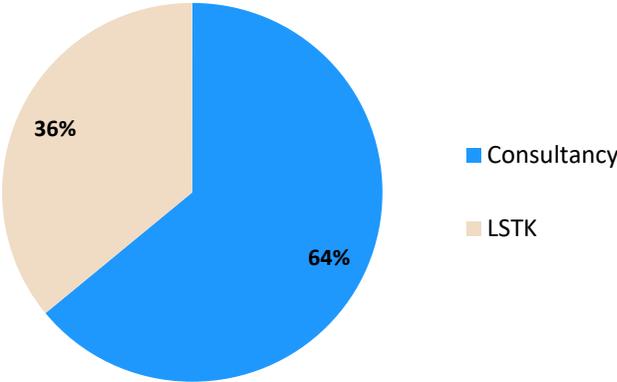
Total Orders Segmental Break up



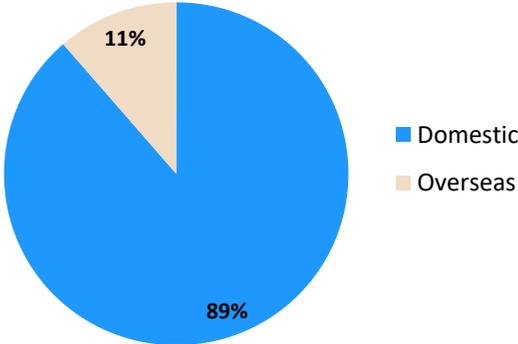
Note : Data on unconsolidated basis



OBP: Consultancy Vs LSTK



OBP: Domestic Vs Overseas



Note : Data on unconsolidated basis

Capital Investments – as on Q4 FY 21-22



Description	Investment 1	Investment 2		Investment 3	Investment 4
Name	Ramagundam Fertilizer Project	NELP IX : Two Upstream Assets (CB-ONN-2010 / 8) CB-ONN-2010 / 11		Minority stake in Numaligarh Refinery Ltd.	LLC-BEO (Bharat Energy Office)
Implementing agency	M/s Ramagundam Fertiliser & Chemical Ltd.	M/s Bharat Petro Resources Ltd. (BPRL)	M/s GAIL India Ltd.	-	-
JV Partners / Shareholding	NFL - 26%; EIL - 26%; FCIL - 11%; GAIL- 14.3%; Telangana Govt - 11%; HTAS Consortium- 11.7%	BPRL – 25%, GAIL – 25%, EIL – 20%, BFIL – 20%, MIEL – 10%	BPRL – 25%, GAIL – 25%, EIL – 20%, BFIL – 15%, MIEL – 15%	EIL stake 4.37%	Equal participation of 20% by OIL, OVL, GAIL, IOCL & EIL
State / Country	Telangana	Gujarat	Gujarat	Assam	Moscow, Russia
Size / Capacity / Area	<u>Urea:</u> 3850 MTPD <u>Ammonia:</u> 2200 MTPD	Exploration Acreage 42 Sq. Km.	Exploration Acreage 131 Sq. Km.	3 MMTPA Refinery (Currently undergoing expansion to 9 MMTPA)	-
Approximate project cost/ investment at start	Rs. 6388 Crore	Rs. 300 Crore / USD 50 Million (During Bidding Stage)		-	USD 500,000/-
Total Equity Investment by EIL	Rs. 491 Crores	Rs. 100 Crores		Rs 700 crores (approx)	USD 100,000/-



4

Major Order secured in FY 2021-22

Service Type	Project scope	Client	Contract Value (Rs. Million)	Award Date	Completion Date
Domestic					
Consultancy	Independent Engineer (IE) Services for Noida International Airport, Jewar	Noida International Airport Limited (NIAL)	139	Jan 2022	Jan 2025
Consultancy	Third Party Assessment for Engineering review & Project Management for Construction of Fintech University, Jodhpur	Dept. of IT & Communication (DoIT&C)	222	Mar 2022	Jan 2024
Consultancy	Third Party Inspection services for completing incomplete Unitech's pan-India Projects	Unitech Ltd	450	Mar 2022	Sep 2026
Consultancy	Project Management Consultancy Services (EPCM) for proposed Krishnapatnam-Hyderabad Multiproduct Pipeline (Part-C)	Bharat Petroleum Corporation Limited (BPCL)	264	Mar 2022	Feb 2024
Consultancy	EPCM Services for Dahej Expansion Project (17.5MMTPA to 20 MMTPA) of PLL Dahej Terminal	Petronet LNG Ltd	262	Mar 2022	Feb 2025
Overseas					
Consultancy	FEED Studies for LNG Storage Tanks, Jetty Top-Side and Plant Process Piping for LNG liquefaction and Export Terminal at Eastern Obolo, Akwa Ibom State, Nigeria	Padah LNG	52	Jan 2022	May 2022
Consultancy	PMC services assignment under call off contract with Client (Contract No. 429493 - LZ E&I Projects)	ADNOC Gas Processing	16	Jan 2022	Oct 2023

Service Type	Project scope	Client	Contract Value (Rs. Million)	Award Date	Completion Date
Domestic					
Consultancy	Project Management Consultant for Two LNG Storage tanks at Dahej LNG terminal (Gujarat)	Petronet LNG Ltd (PLL)	275	Oct 2021	June 2025
Overseas					
Consultancy	FEED Engineering related to Debottlenecking the existing produced Water Treatment Plant Capacity from 200 MBD TO 300 MBD For 1 MMBD Phase-1 Project	ADNOC Offshore	67	Oct 2021	Mar 2022
Consultancy	Various engineering services assignments under empanelment agreement with Client (4 nos)	ADNOC Offshore	62	Nov 2021	Oct 2023

Service Type	Project scope	Client	Contract Value (Rs. Million)	Award Date	Completion Date
Domestic					
Consultancy	PMC Services for De-Bottlenecking and Augmentation of Cryogenic Facilities of BPCL LPG Import Terminal at Uran	Bharat Petroleum Corporation Limited (BPCL)	654	Jul 2021	Apr 2024
Consultancy	Supply of License, BDEP, Catalyst, Proprietary Equipment and other related Services for LPG Treating Unit (LPGTU-1&2) of Numaligarh Refinery Expansion Project	Numaligarh Refinery Limited (NRL)	129	Jul 2021	Dec 2026
Consultancy	Project Management Consultancy Services (EPCM) for proposed Krishnapatnam-Hyderabad Multiproduct Pipeline (Part-B Detailed Engineering)	Bharat Petroleum Corporation Limited (BPCL)	193	Sep 2021	May 2023
Consultancy	PMC / EPCM Consultancy Services for CPCL'S 9 MMTPA Cauvery Basin Refinery (CBR) Project at Nagapattinam, Tamilnadu, India <ul style="list-style-type: none"> • EPCM 1 with MPMC Services • EPCM 3 	Chennai Petroleum Corporation Limited (CPCL)	7404 (EPCM 1) 2986 (EPCM 3)	Sep 2021	Jul 2025
Overseas					
Consultancy	Various small assignments under call off contracts	ADNOC Offshore	22	Sep 2021	2021-22
Consultancy	FEED for Replacement of Waste Water Treatment Plant Absorption Chiller	Bahrain Petroleum Company (BAPCO)	12	Sep 2021	Jan 2022

Service Type	Project scope	Client	Contract Value (Rs. Million)	Award Date	Completion Date
Domestic					
Consultancy	EPCM Services for Bio-Refinery Project at Numaligarh (Change Order)	Assam Bio Refinery Private Limited (ABRPL)	490	Change Order considered in May 2021	June 2022
Consultancy	EPCM for Upgradation of Facilities of Numaligarh-Siliguri Product Pipeline (NSPL) for transportation of additional products (from existing 1.72 MMTPA to 5.5 MMTPA due to NREP)	Oil India Limited (OIL)	562	June 2021	August 2024
Consultancy	Licensing and EPCM Consultancy Services for Delayed Coker Unit (DCU) Revamp of Numaligarh Refinery Expansion Project	Numaligarh Refinery Limited (NRL)	1,110	June 2021	August 2024
Consultancy	Consultancy Services for Guru Gobind Singh Polymer Addition Project, Bathinda (Change Order)	HPCL-Mittal Energy Limited (HMEL)	385	June 2021	December 2021
Overseas					
Consultancy	Various small assignments under call off contracts	ADNOC Offshore	97	May 2021 / June 2021	2021-22



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Orders in Hand and Outlook

Project	Client	Project Location
Refinery Projects		
Cauvery Basin Refinery (CBR) Project – 9 MMTPA (Package - EPCM-1 with MPMC and EPCM-3 Services)	CPCL	Nagapattinam, Tamil Nadu
Panipat Refinery Expansion (15 to 25 MMTPA)	IOCL	Panipat
Visakh Refinery Modernization Project	HPCL	Visakhapatnam
Rajasthan Refinery Project	HPCL	Rajasthan
Bio Refinery Project	Assam Bio Refinery Pvt Ltd	Numaligarh
Coker-B Revamp Project	IOCL	Barauni

Project	Client	Project Location
Petrochemical Project		
PP Unit	GAIL	Pata
Guru Gobind Singh Polymer Addition Project	HMEL	Bhatinda
500 KTPA Petrochemical Project	GAIL	Usar
Methanol & Formalin Plant	APL	Namrup, Assam
HPG-2, Butene-1 and PSA Units	BCPL	Lepatkata
Pipeline Projects		
Dobhi-Durgapur-Haldia Pipeline Project	GAIL	Dobhi-Durgapur-Haldia
Kochi-Salem LPG Pipeline Project	KSPPL	Kochi
Crude Oil Terminal (COT) at Paradip, Paradip Numaligarh Crude Oil Pipeline (PNCPL) and NRL Siliguri Product Pipeline (NSPPL)	NRL	Paradip, Numaligarh, Siliguri
Krishnapatnam Hyderabad Multiproduct Pipeline	BPCL	Krishnapatnam, Hyderabad

Project	Client	Project Location
LNG / LPG Cavern		
80,000 MT LPG Cavern	HPCL	Mangalore
LNG Import, Storage & Regasification Terminal Project	HSEPL	Chhara, Gujarat
De-Bottlenecking and Augmentation of Cryogenic Facilities - LPG Import Terminal	BPCL	Uran
Infrastructure Projects		
Entry Level Activities Under Namami Gange Programme, NMCG	NMCG	UP & Bihar
UIDAI Data Centre Complex at Manesar and Bengaluru and Office Building at Delhi	UIDAI	Different locations across India
Construction of New Domestic Terminal Building and associated works at Leh Airport	AAI	Leh, J&K
New Campus Design & Development of IIM Nagpur	IIM	Nagpur
MAHSR C-4, MAHSR-C-6 and MAHSR-P-4 contract packages of Mumbai Ahmedabad High Speed Rail Project	NHSRCL	Mumbai, Ahmedabad

Major Ongoing Projects



Project	Client	Project Location
Overseas Projects		
Eastern Refinery Limited Unit –II Project	BPC	Bangladesh
Dangote Refinery & Petrochemical Project	DORC	Nigeria
Crude Oil Refinery in Mongolia	Mongol Refinery	Mongolia

Globally Oil demand increased above its pre-COVID-19 level, **continued investment in new upstream oil and gas is foreseen over next 30 years.**

Growth in liquefied natural gas plays a central role in increasing emerging markets' access to natural gas.

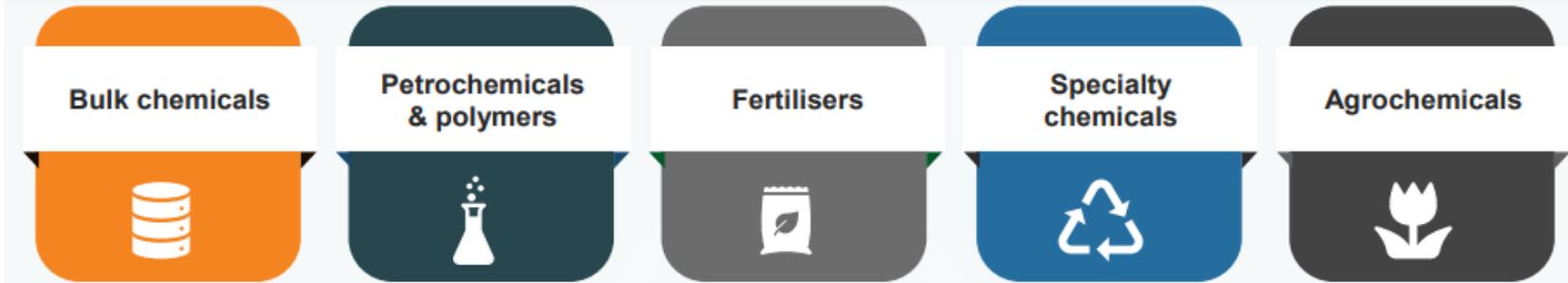
Oil demand in India is projected to register a 2x growth to reach 11 million barrels per day by 2045

NG and Renewable share in Energy Mix to Rise to 15% by 2030. Low-carbon hydrogen opportunities rise as the energy system progressively decarbonizes.

Diesel demand in India is expected to double to 163 MT by 2029-30, with diesel and gasoline covering 58% of India's oil demand by 2045.

Consumption of natural gas in India is expected to grow by 25 billion cubic metres (bcm), registering an average annual growth of 9% until 2024.

India's Chemical industry: Unleashing the next wave of growth



The Indian chemicals industry is highly diversified, covering >80,000 products and employing >2 million people.

The chemical industry is expected to contribute US\$ 300 billion to India's GDP by 2025.

A 2034 vision for the chemicals and petrochemicals sector has been set up by the govt to explore opportunities to improve domestic prodn, reduce imports & attract investments in sector.

Govt plans to implement production-link incentive system with 10-20% output incentives for agrochemical sector; to create an end-to-end manufacturing ecosystem through growth of clusters.

The Indian specialty chemicals sector is expected to increase at a CAGR of 12.4%, from US\$ 32 billion in 2019 to US\$ 64 billion by 2025(est).

An investment of Rs. 8 lakh crore (US\$ 107.38 billion) is estimated in the Indian chemicals and petrochemicals sector by 2025.

2. Increased demand being witnessed for wide range of cosmetic chemicals, health care products and hygiene products that use specialty chemicals, polymers and oleo chemicals.

1. Infrastructure projects - Low Cost Housing, Smart City Projects amongst the key drivers of chemical sector in India. Availability of essential raw materials at low cost is anticipated to increase demand for construction chemicals

3. Increasing urbanisation and population is driving the demand for safe drinking Water. Har Ghar Nal Se Jal Yojana by GoI is leading to increased pipeline network at Urban & Rural Centres. Rising awareness is driving growth for Water & Effluent Treatment, thereby directly increasing the sectoral share in Petchem and Chemicals .

4. Disruption in automotive sector with the emergence of autonomous driving, connected cars, electric vehicles and shared mobility will affect the value chain of Indian chemical companies supplying chemicals to automotive applications.



PMAY: Urban Housing

- Pradhan Mantri Awas Yojana – Urban (PMAY-U), Housing for All by 2022 – has received a record-high allotment of Rs 28,000 Crore in BE for FY 2022-23

Institutional Buildings

- Enhanced Investment outlay owing to reforms
- Educational Sector: New IITs, IIMs
- Health Care Sector: New AIIMS & Speciality Hospitals in Tier 2 & Tier 3 Cities

Data Centers

- Planned investment outlay in Data Centers expected to reach Rs 45,000 Cr by 2020
- Digitization of records & adoption in Banking, Financial & Insurance sector

Airports

- The expenditure of MoCivil Aviation for 2022-23 is Rs 10,667crore, UDAN Scheme launched
- New Low Cost Airports being announced.

Ports & Terminals

- SAGARMALA Initiative to harness port led development along with coastal shipping and IWT. Mission Gatishakti to empower movement of cargoes.
- LNG Ecosystem ; Imperative for a Gas based Economy

Renewables & Alternative Fuels

- Indian Renewable Energy Market to exhibit a CAGR of >10% during the forecast period of 2022-2027.
- 500 GW of renewable energy by 2030 GOI mandate to implement E5/E10/E20 by 2022
- New BioFuels Policy aims at achieving 20 % blending of Fossil Fuels by 2030

Water & Waste Water Management

- India's wastewater treatment plants market stood at USD 2.4 billion in 2019 & is projected to reach **USD 4.3 billion by 2025**
- Existing WWTP's, ETP's need refurbishment in Tier II & Tier III Cities

Defence

- Modernization of Defence Installations
- To pursue “ Make In India” initiative in Defence manufacturing process

Railways

- The allocation towards capital expenditure in the railway sector is projected at Rs 2,45,800 Crores.
- Multimodal connectivity between mass urban transport and railway stations

Creating Stakeholder Values through Sustainable Growth

- Consolidate core Hydrocarbon and Petrochemical Sector
- Value added solutions

Maintain leadership

- Expand in Middle East, Africa, Central Asia
- Entry In new geographies
- Target LoC projects

Expand international operations

- Focused Diversification in Biofuels, Defense, Infrastructure, Ports & Harbours

Selectively diversify

- Collaborative Technology Development
- Net Zero Green technologies
- Digitization

Innovative Technologies

- Alliances in Core and Diversified sectors for Growth
- Alliances to breach entry barriers

Alliances

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A conceptual image featuring a realistic globe of Earth centered in the frame. Two human hands are positioned above and below the globe, palms facing each other as if supporting or cradling it. The background is a dark blue gradient with a faint, light blue grid pattern. A horizontal white bar with a slight gradient is overlaid across the middle of the image, containing the text "THANK YOU" in white, uppercase, sans-serif font.

THANK YOU