

# Sustainability Glimpses 2025



GAIL (India) Limited



Scripting the story of a Greener Future

## Sustainability Glimpses 2025

### *Energizing Excellence in Integrated Business*

GAIL is scripting the story of a greener future by building a cleaner, smarter, and more inclusive energy ecosystem for India. In FY 2024-25, GAIL fast-tracked its Net Zero Emissions Targets, now aiming for 100% reduction in Scope 1 and 2 emissions by 2035 and 35% reduction in Scope 3 emissions by 2040. This ambition is backed by action India's largest 10 MW Green Hydrogen plant was commissioned at Vijaipur, Renewable Energy (RE) capacity scaled to 145 MW, and leadership in biofuel was strengthened under the SATAT scheme with 31,937 MT of CBG sales. The launch of GAIL SAGAR, India's pioneering offshore Green Energy initiative, further signals our commitment to unlocking new frontiers in clean energy ecosystem.

Strategic MoUs with the Government of Karnataka (1 GW RE projects) and AM Green (2.5 GW RE and green chemicals) will enable rapid expansion of Renewable infrastructure. On the ground, GAIL's pipeline network extended to ~16,421 km, with milestones such as the Durgapur-Kolkata section of the Urja Ganga pipeline, the upgrade of Dabhol LNG Terminal to an all-weather port, and continued progress on the Mumbai-Nagpur-Jharsuguda and Srikakulam-Angul pipelines and last leg of KKB MPL project in Tamil Nadu State. Industrial decarbonization is being driven by downstream expansion, including the 500 KTA PDH-PP plant at Usar and ongoing CGD network growth.

Backed by robust financial performance, advanced digital systems like SAP S/4 HANA Cloud, and inclusive development reaching more than 15 Lakh beneficiaries, GAIL continues to shape India's energy future. From Green Hydrogen and Renewables to digital innovation and global energy partnerships, every initiative reflects our belief that sustainability is not just a goal but the story we live and lead.





## Message from CMD

Dear Stakeholders,

It is with great pride that I present GAIL's Sustainability Report for the FY 2024-25, themed "Scripting the Story of a Greener Future." This theme encapsulates our unwavering resolve to champion clean energy, accelerate decarbonisation, and drive inclusive growth while crafting a resilient, low-carbon tomorrow for India.

In a year shaped by global uncertainties, dynamic energy markets, and urgent climate challenges, GAIL has not only upheld operational excellence but also reaffirmed its dedication to embedding sustainability at the core of its business strategy. At the same time, GAIL delivered delivered its highest-ever financial performance with Profit Before Tax (PBT) of INR 14,825 Crore and Profit After Tax (PAT) of INR 11,312 Crore, both registering 28% growth over the previous year. Revenue from Operations rose to INR 1,37,288 Crore, supported by robust fundamentals and strategic resilience. Capital expenditure of INR 10,512 Crore during FY 2024-25 demonstrates our commitment to strengthening infrastructure for a cleaner energy future.

Taking a bold step forward, GAIL has advanced its Net Zero commitment by five years, now targeting 100% reduction in Scope 1 and Scope 2 Greenhouse gas emissions by 2035. In addition, we have pledged to reduce Scope 3 emissions by 35% by 2040, thereby aligning with climate goals. These targets are being translated into action across our value chain. We have commissioned a 10 MW Ground Mounted Solar Plant at Vijaipur, taking our cumulative renewable energy capacity to 145 MW. We are now actively working towards scaling this capacity to 3.5 GW by 2035. In the next 2-3 years alone, we aim to double our installed renewable capacity. Among the key projects in progress are a 170 MW captive wind project in Maharashtra, for

which tendering is under progress, and a proposed 100 MW solar project in Uttar Pradesh, where land acquisition is under progress. At our Pata site, a 17.5 MW floating solar project is being set up for which a Project Management Consultant (PMC) has been appointed. Similarly, at Vijaipur, a 7.75 MW floating solar project is under implementation.

In addition to Renewables, GAIL has marked a significant milestone in Green Hydrogen with the operationalisation of a 10 MW PEM electrolyser-based plant in Vijaipur, Madhya Pradesh. Commissioned in May 2024, the facility has a daily production capacity of 4.3 TPD of Green Hydrogen. We have also made substantial strides in improving water stewardship. During FY 2024-25, GAIL successfully recycled 78,000 kilolitres of wastewater, demonstrating our commitment to sustainable water management and reducing environmental impact.

Our leadership in Compressed Biogas (CBG) continues under the SATAT initiative and the CBG-CGD synchronization scheme. GAIL commissioned its first Municipal Solid Waste (MSW) based CBG plant to produce 5 TPD of CBG in Ranchi. During the FY, GAIL further signed 212 Tripartite Agreements with 159 CBG producers and 38 CGD entities under the synchronization scheme and achieved sales of 31,937 MT of biogas, registering 208% of our MoU targets and commanding a ~75% market share in biogas sales across India. These achievements reflect our expanding role in facilitating cleaner fuels and supporting rural circular economies.

Energy security remained central to our strategy. During FY 2024-25, GAIL imported a record 141 LNG cargoes, supplemented by long-term and spot sourcing, and concluded a mid-term agreement with Qatar Energy Trading for ~0.8 MMTPA LNG over five years starting April 2025. The successful commissioning of the long-awaited breakwater project at



Dabhol LNG terminal has transformed it into an all-weather port, greatly enhancing our operational flexibility. Our LNG logistics capacity was also strengthened with the induction of GAIL Sagar, the fifth LNG vessel in our fleet under long-term charter.

A landmark achievement in LNG infrastructure was the successful completion of the long-awaited breakwater project at the Dabhol LNG terminal, operated by GAIL's subsidiary, Konkan LNG Limited (KLL). This critical development has transformed the terminal into an all-weather port, significantly enhancing the Company's operational resilience, flexibility, and year-round LNG sourcing capabilities.

Simultaneously, in pipeline infrastructure, GAIL extended its Natural Gas pipeline network to ~16,421 km by adding 277 km during the year, while throughput volumes rose 6% to 127.32 MMSCMD, ensuring reliability in supply. Alongside Natural Gas Pipelines, we are expanding our Liquid Hydrocarbon network. Notably, GAIL has received authorisation from PNGRB for capacity expansion of the Jamnagar-Loni LPG pipeline from 3.25 MMTPA to 6.5 MMTPA. Work is progressing on two other key projects the Uran-Usar Propane pipeline and the Vijaipur-Pata C2/C3 pipeline strengthening our ability to deliver cleaner fuels and petrochemical feedstock. These infrastructure developments reinforce both India's energy security and low-carbon transition pathways.

City Gas Distribution (CGD) is another pillar of our growth. During FY 2024-25, GAIL and its group entities added 12.28 Lakh PNG connections and 507 CNG stations, taking the total footprint to ~95.7 Lakh D-PNG and over 3,100 CNG stations across 72 geographical areas. Together, we now command ~54% market share in CNG and PNG sales across India, making clean energy accessible to millions of households and transport users.

Once again, GAIL's responsible business practices received global recognition. We retained our position in the FTSE4Good Index, an international ESG benchmark, and received the prestigious CII GreenCo Champion Award for integrating sustainability across our operations. Our continued focus on safety and environment was reflected in an HSE performance score of 96.37%, surpassing the internal target of 95.5%.

In FY 2024-25, we invested INR 375.53 Crore in Research &

Development, focusing on emerging technologies like green hydrogen, carbon capture, and alternative fuels. A major step forward was the acquisition of land at Sohna, Haryana, to establish a state-of-the-art R&D Centre, which will focus on pipeline technology, petrochemicals, renewables, green hydrogen, CCUS, advanced materials, and biotechnology. This will complement our ongoing R&D efforts and position GAIL as a leader in future-ready solutions.

Notably, GAIL became the first PSU in India to implement SAP S/4 HANA on Cloud enabling Group Reporting, real-time consolidation of financial data across all group companies. This transformative step has enhanced data transparency, strengthened compliance, and improved the robustness of our ESG reporting frameworks.

Social inclusiveness continues to be a central pillar of GAIL's sustainability approach. During FY 2024-25, we spent INR 183.77 Crore on CSR initiatives, positively impacting over 15 Lakh individuals, particularly across 30 Aspirational Districts. Our diversity and inclusion efforts saw strong results. Procurement from women-owned MSEs rose to 7.80%, and total procurement from MSEs amounted to INR 1,760 Crore, constituting nearly 48.87% of eligible procurement. These outcomes reflect our commitment to inclusive development and strengthening local value chains. Our flagship programmes GAIL Arogya, Ujjwal, Utkarsh, Kaushal, Sashakt, and Saksham continue to advance multiple UN Sustainable Development Goals (SDGs), including SDG 3 (Good Health & Well-being), SDG 4 (Quality Education), SDG 5 (Gender Equality), SDG 7 (Affordable & Clean Energy), and SDG 13 (Climate Action).

Our employees remain key architects of this greener future. This year, each full-time employee received an average of 42.6 hours of training, with a continued emphasis on leadership development and digital skills. Our customer-centric initiatives also bore fruit during FY 2024-25, GAIL achieved a Customer Satisfaction Index (CSI) score of 92%, affirming our focus on responsiveness and service quality.

As we look forward to the future, GAIL's Strategy 2030 offers a clear pathway to align core business growth with the evolving energy landscape. From green hydrogen and biofuels to LNG mobility and digital infrastructure, our focus remains on scalable and sustainable solutions. We are also progressing on



the coal-to-SNG project in partnership with Coal India Limited, reinforcing our commitment to alternative fuel development and long-term energy security.

This report captures more than data; it is a reflection of our values, our progress, and our purpose. I firmly believe that our journey toward sustainability is a shared one. With the continued support of our stakeholders, we will drive innovation,

create shared value, and accelerate India's transition to a low-carbon economy in alignment with the UNSDGs.

Let us script together, a cleaner, greener, and more sustainable tomorrow.



**Sandeep Kumar Gupta**  
Chairman and Managing Director



## GAIL Highlights

### Business Growth Highlights



Hon'ble Prime Minister Shri Narendra Modi dedicates the Durgapur-Kolkata section of the JHBDPL (Urja Ganga) pipeline project to the Nation, marking a major milestone in India's energy infrastructure expansion



GAIL received the prestigious "Initiatives in Promoting Hydrogen-Company of the Year" award at the FIPI Oil & Gas Awards 2023, held on November 26, 2024, in New Delhi. The award was presented by Hon'ble Union Minister of Petroleum & Natural Gas, Shri Hardeep S. Puri, in recognition of GAIL's leadership in advancing India's Green Hydrogen ecosystem



GAIL signed a Gas Supply & Transmission Agreement with Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL) for the supply of 0.9 MMSCMD of Natural Gas over 15 years to the Ramgarh Gas Thermal Power Plant in Jaisalmer. The gas will be sourced from Oil India Limited's Rajasthan fields, marking a significant step towards cleaner energy generation in the state



GAIL Sagar completes its maiden voyage, arriving at Dabhol LNG Terminal, Maharashtra, on March 23, 2025, after a month-long journey from Cove Point Terminal, Maryland, USA. The successful delivery of its first LNG cargo marks a significant milestone in strengthening India's energy supply chain and GAIL's global LNG logistics capabilities



GAIL and Government of Karnataka sign a Memorandum of Understanding (MoU) to jointly explore the development of Renewable Energy projects of up to 1 Giga Watt (GW) in the state marking a key step towards accelerating Karnataka's clean energy transition and supporting India's decarbonization goals



GAIL received the prestigious 'GreenCo Champion Award' at the 14<sup>th</sup> CII GreenCo Summit 2025 held in Hyderabad. The award was received by Shri Rajeev Kumar Singhal, Director (Business Development), on behalf of the company on June 12, 2025. The recognition celebrates the sustained green initiatives and active participation of numerous GAIL sites in the CII GreenCo rating program



**VALUE CREATION MODEL**

The infographic illustrates the flow of energy from upstream operations to downstream markets, categorized into three main segments: Upstream, Midstream, and Downstream.

**Upstream Operations:**

- E&P Operations Gas Fields:** (participation in 13 E&P Blocks)
- LNG Liquefaction Terminal:** Processes gas for export.
- Imported Gas:** Received from international sources.
- Global LNG Operations (Sourcing, Trading & Shipping):** Manages the global LNG supply chain.
- LNG Terminal (Regasification):** Converts LNG back into gas for distribution.
- RLNG (Regasified Liquefied Natural Gas):** Distributed to various end-users.

**Midstream Operations:**

- Gas Transportation of 127.32 MMSCMD:** The volume of gas transported through the network.
- Domestic Gas Supply to ~95.7 Lakh PNG Customers:** The primary source of gas for the domestic market.
- Gas Pipelines (Construction and O&M):** Infrastructure for gas distribution.
- Small Scale LNG Plant:** Provides localized gas supply.
- Industries:** Major consumers of gas for production and power.

**Downstream Operations:**

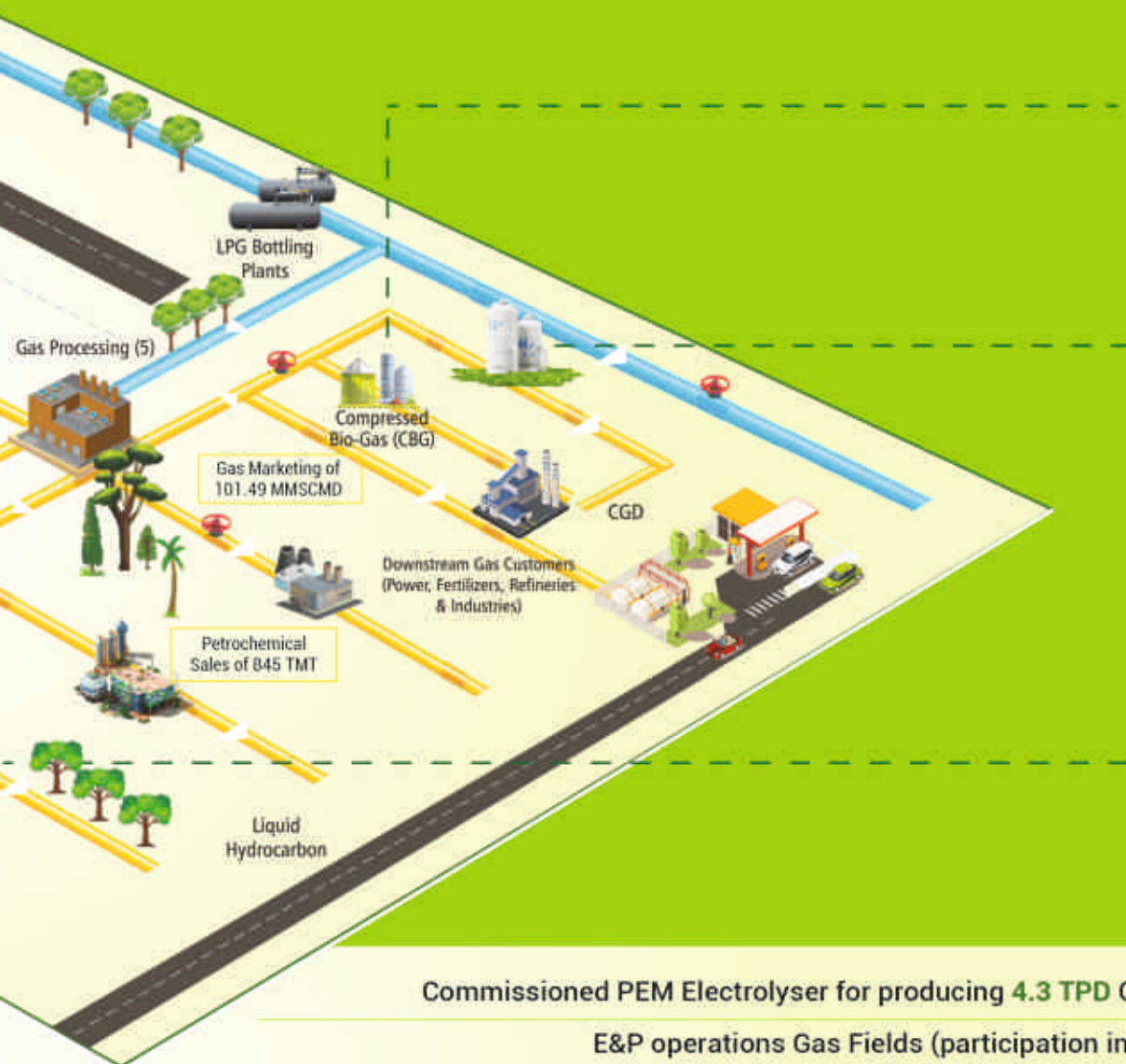
- Refineries/LPG Import Terminals:** Process crude oil and import LPG.
- LPG Transmission 4.478 MMTPA:** The volume of LPG transported.
- LPG Pipelines (~2,040km):** Infrastructure for LPG distribution.
- Gas Pipelines (Construction and O&M):** Infrastructure for gas distribution.
- Renewables Business:**
  - 118 MW Wind Capacity:** Installed wind power capacity.
  - Solar Energy Capacity of 27 MW:** Installed solar power capacity.
- Petrochemicals:** Products derived from refined oil and gas.
- LHC Sales of 951 TMT:** Total sales of the company.

Supplied **11%** to the Power Sector of GAIL's total Natural Gas sold.





GAIL (India) Limited



Compressed Bio-Gas (CBG)



Hydrogen



Petrochemicals

Commissioned PEM Electrolyser for producing **4.3 TPD** Green Hydrogen.

E&P operations Gas Fields (participation in **13 E&P Blocks**)

Gas Transmission of **127.32 MMSCMD**

LPG Transmission of **4.478 MMTPA**

Wind Energy Capacity of **118 MW**

Solar Energy Capacity of **27 MW**

LPG Pipelines (**~2,040 km**)

Gas Processing Plants (**5 Numbers**)

Gas Marketing of **101.49 MMSCMD**

LHC sales of **951 TMT**

Petrochemical sales of **845 TMT**



## EESG PERFORMANCE HIGHLIGHTS OF GAIL FOR FY 2024-25

### ECONOMIC



GAIL's market share is ~65% in Gas Transmission and ~47% in Domestic Gas Market



GAIL's Revenue from Operations is INR 1,37,288 Crore



GAIL's Profit Before Tax of INR 14,825 Crore



GAIL procured INR 1,760 Crore of goods from MSEs, which is ~ 48.87% of total procurement and more than 90% is sourced locally.



GAIL spent INR 183.77 Crore under CSR Initiatives increased from INR 175.71 Crore in previous FY.

### ENVIRONMENTAL



Net Zero strategy aims to achieve 100% reduction in Scope-1 and Scope-2 emissions by the year 2035 and a 35% reduction in Scope-3 emissions by the year 2040



GAIL has set a target to attain 3.5 GW of Renewable Energy by 2035



Recycled 78,000 Kilo Litre of Wastewater



GAIL's Environmental Expenditure is INR 52.36 Crore



GAIL planted over ~50,000 trees

### SOCIAL



More than 15 Lakh people benefitted through GAIL's CSR projects



Purchase from MSMEs owned by Women Entrepreneurs increased to 7.80% from 6.65%.



GAIL achieved a Customer Satisfaction Index (CSI) score of 92%



Training efficacy score is 93.69%



GAIL spent INR 99.34 Lakh on Environmental Training and Education of Employees

### GOVERNANCE



Achieved HSE Score of 96.37% for FY 2024-25 against an internal target of 95.5%



Continue to retain position for FTSE4 good Index, an International ESG benchmark



In FY 2024-25, GAIL received 250 complaints from internal and external Stakeholders through the CPGRAMS portal, and 100% of these were promptly resolved



Credit rating of 'AAA' at the Domestic Level and Long-Term Corporate Issuer Rating of 'Baa3' with Stable Outlook equivalent to the Sovereign Rating of India assigned by Moody's International, Singapore.



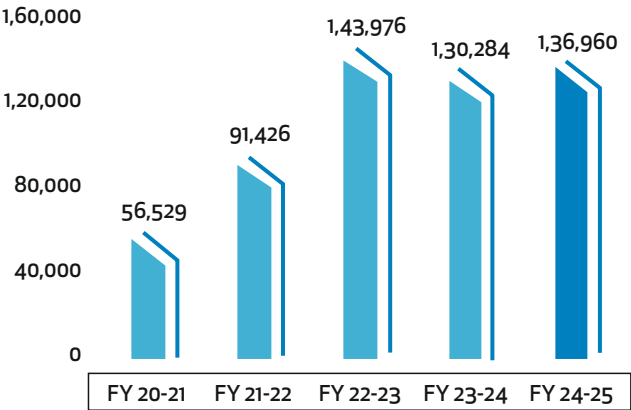
Confederation of Indian Industry

Received CII Green Co Champion Award for sustainability in business operations

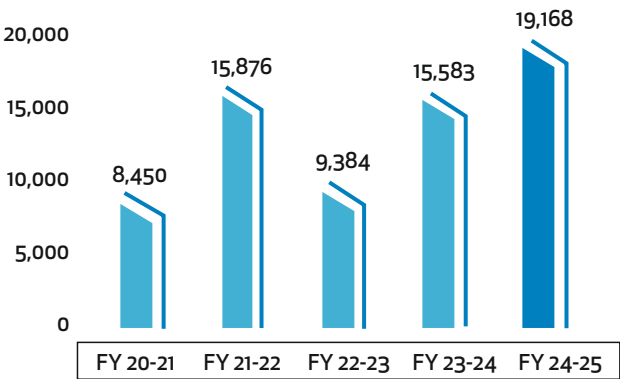
Performance Highlights  
Financial Performance Standalone



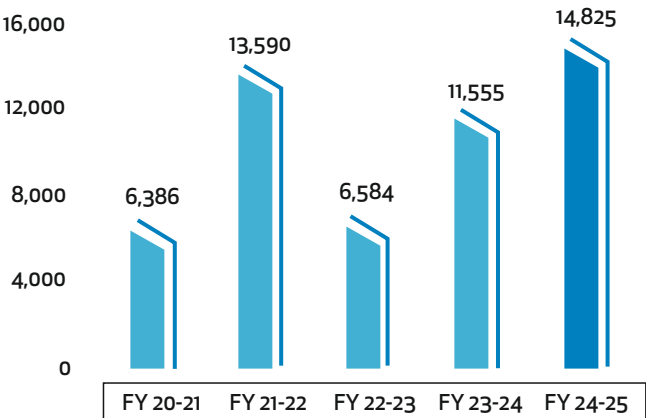
Turnover (Gross)  
(INR Crore)



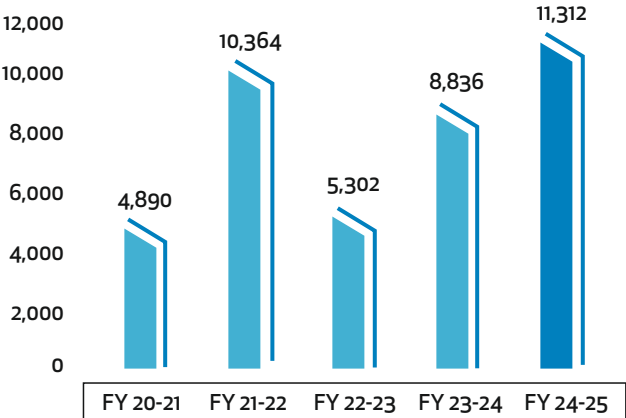
Gross Margin (EBITDA)  
(INR Crore)



Profit Before Tax (PBT)  
(INR Crore)



Profit After Tax (PAT)  
(INR Crore)

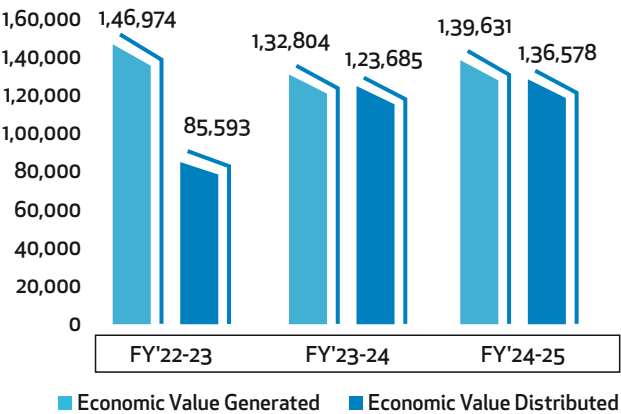




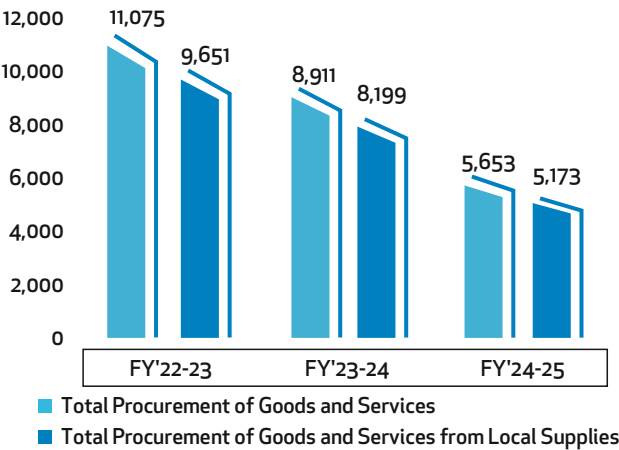
Economic, Environmental, Social & Governance Performance



Economic Value Generated Vs Distributed (INR Crore)



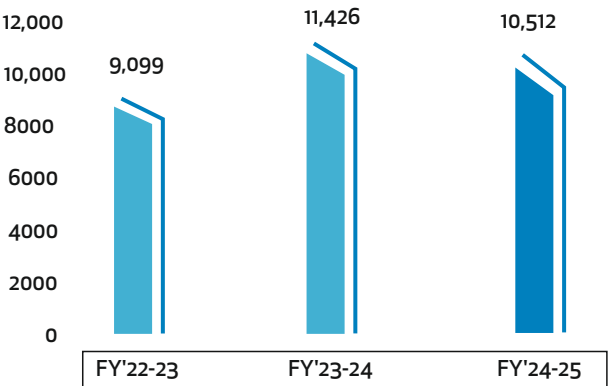
Procurement Highlights (INR Crore)\*



\*Eligible Procurement excluding Natural Gas purchase



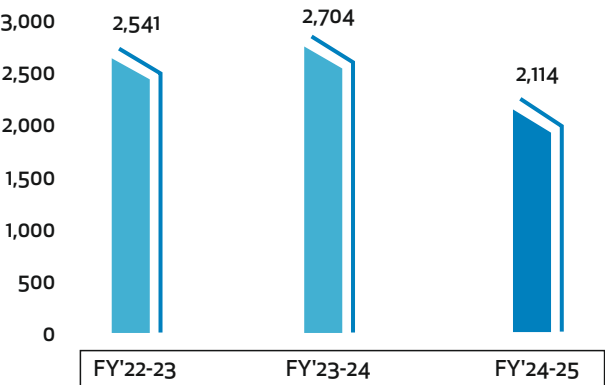
Capex (in INR Crore)\*



\*including equity contribution to group companies



Procurement from Government e-Market place (GeM) (INR Crore)

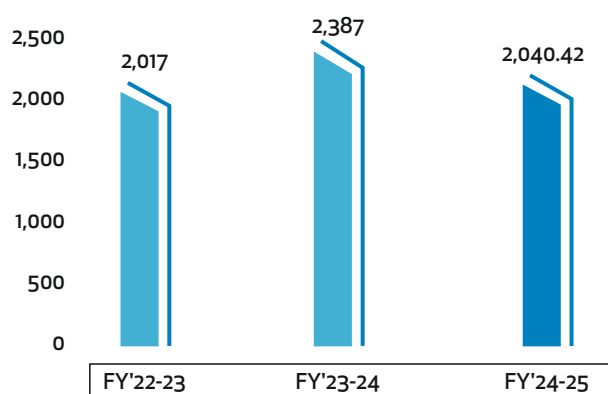




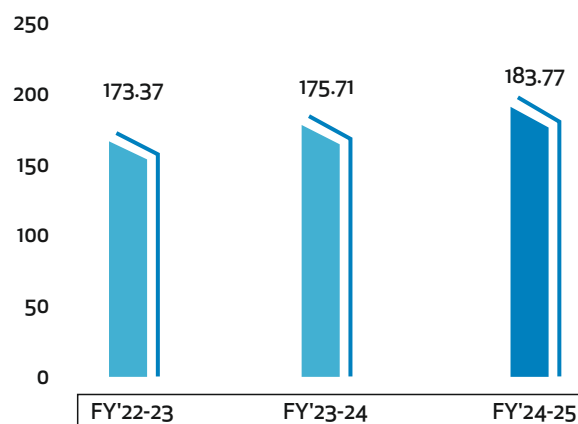
## Economic, Environmental, Social & Governance Performance



### Employees Wages and Benefits (INR Crore)



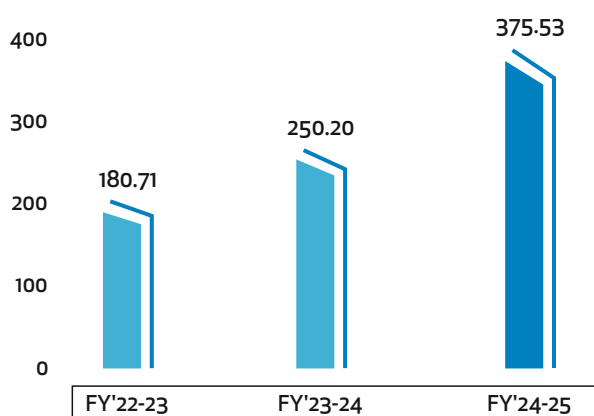
### CSR Expenditure (INR Crore)\*



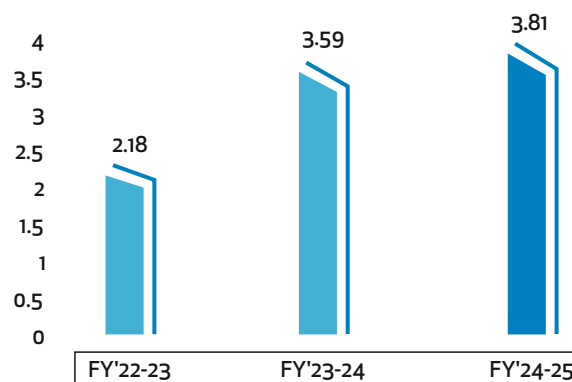
\*In FY 2024-25, GAIL has incurred CSR expenditure of INR 183.77 Crores towards multiple CSR Projects. This constitutes 2.47% of average Profit Before Tax of the preceding three financial years, after adjusting for excess expenditure from previous years.



### R&D Expenditure (INR Crore)



### Value added Per Employee (INR Crore)

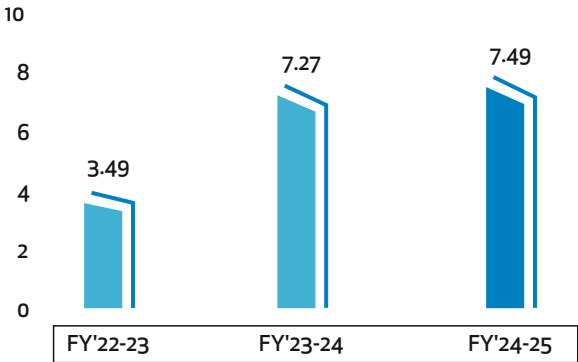




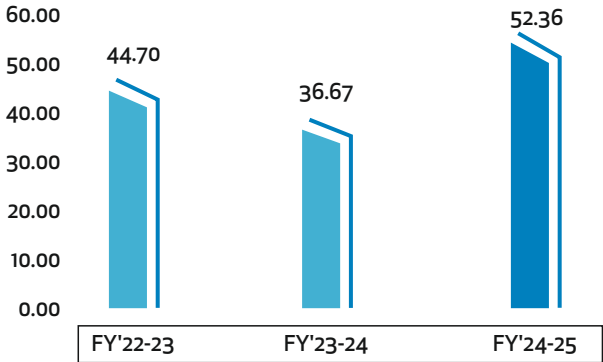
Economic, Environmental, Social & Governance Performance



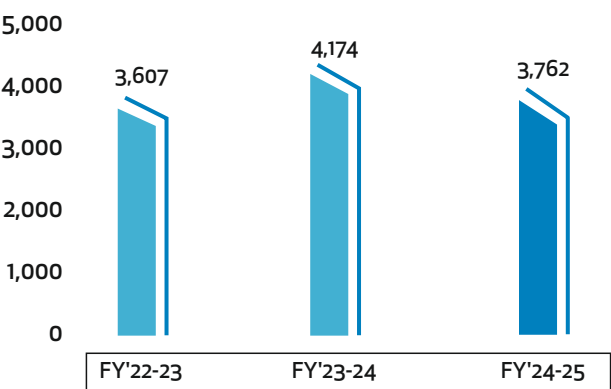
Human Capital Return on Investment (%)



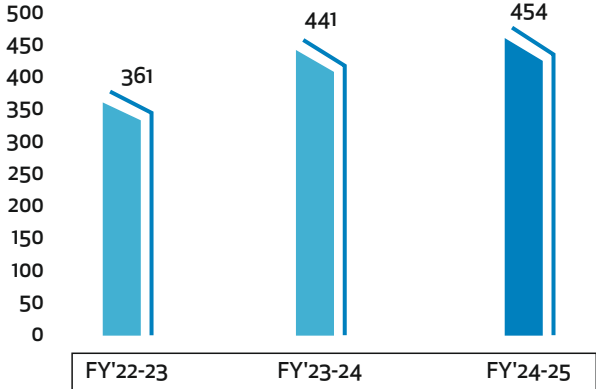
Total Environmental Expenditure (INR Crore)



Cost of Natural Gas (Used as Fuel) (INR Crore)



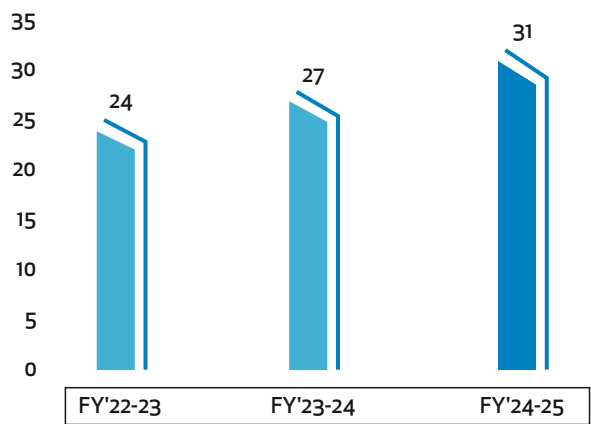
Power Charges (INR Crore)



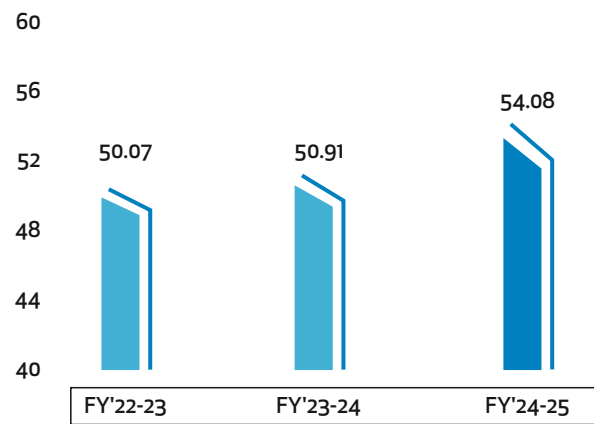
Economic, Environmental, Social &  
Governance Performance



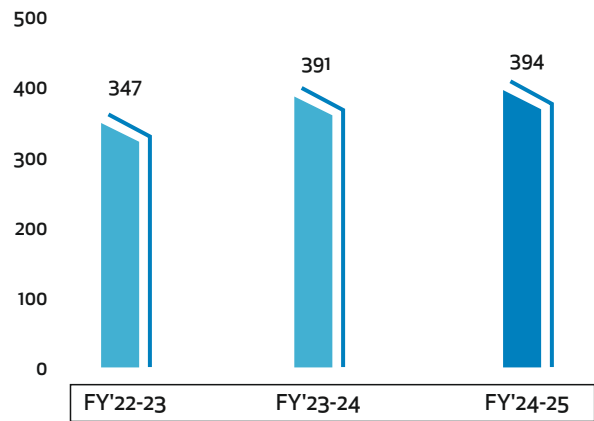
Water Charges (INR Crore)



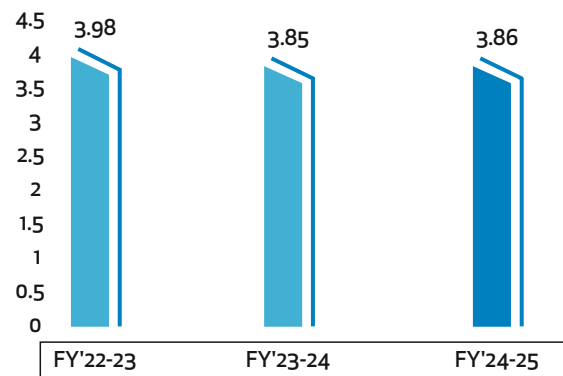
Energy Consumption  
(Million GJ)



Energy Intensity  
(GJ/INR Crores)

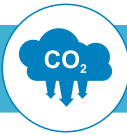


GHG Emissions (Scope 1 +  
Scope 2) (Million tCO<sub>2</sub>e)

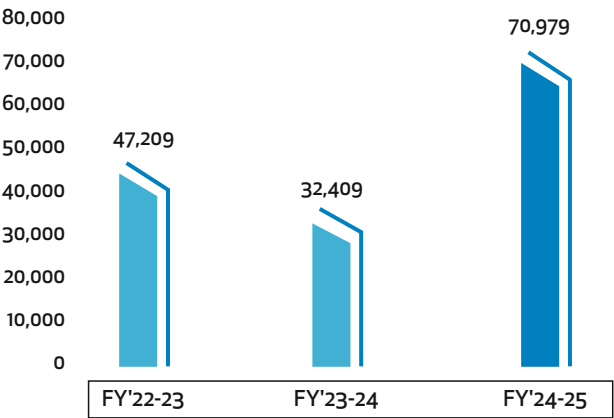




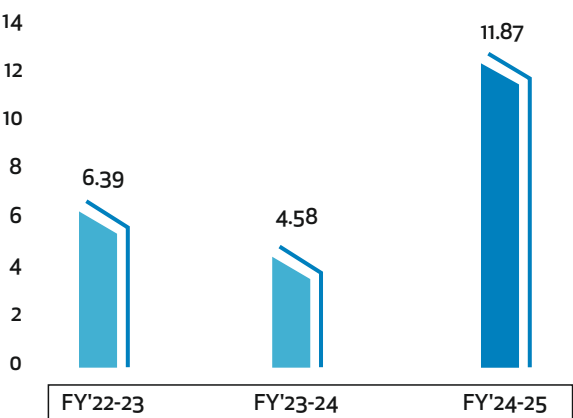
Economic, Environmental, Social & Governance Performance



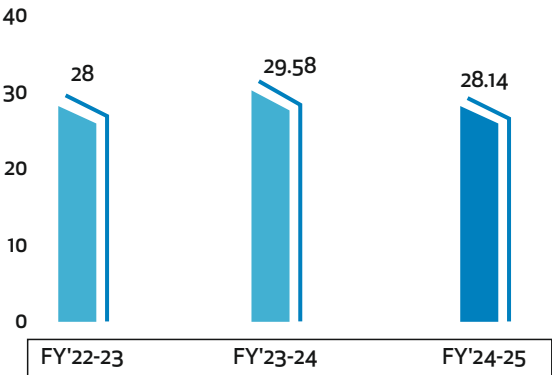
GHG Savings (tCO<sub>2</sub>e)



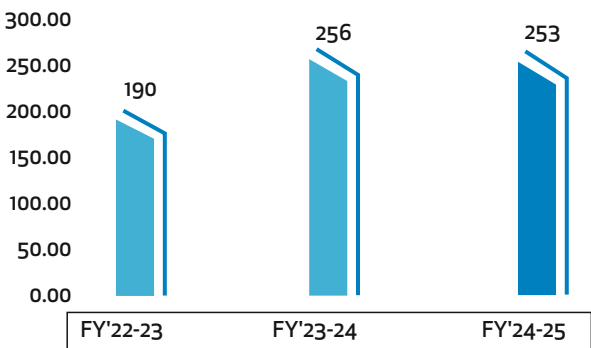
Energy Savings (Lakhs GJ)



GHG Intensity (Scope 1 + Scope 2) wrt Turnover (tCO<sub>2</sub>e/INR Crores)



GHG Intensity (Scope 1 + 2 + 3) wrt Turnover (tCO<sub>2</sub>e/INR Crores)

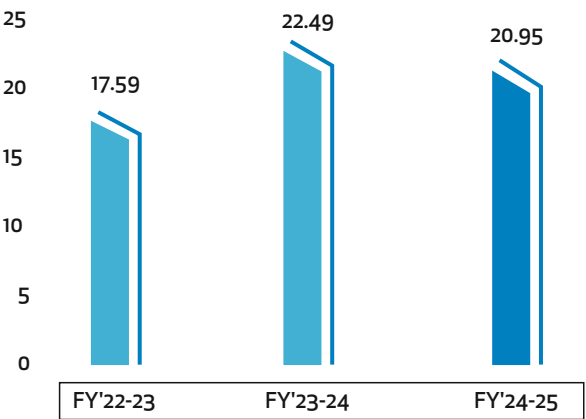




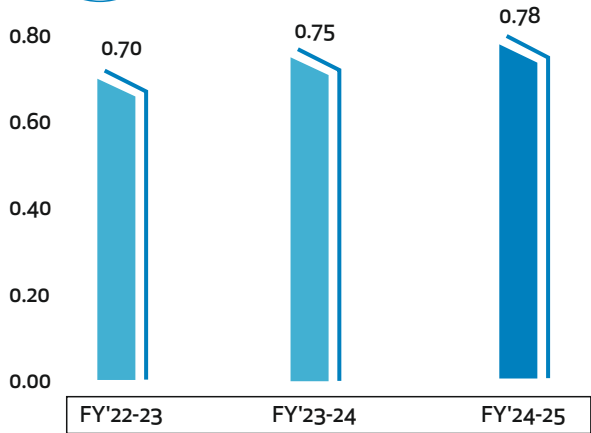
Economic, **Environmental**, Social &  
Governance Performance



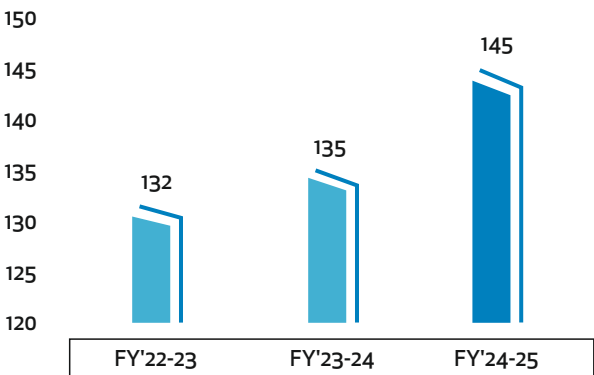
**Water Consumption**  
(Million m<sup>3</sup>)



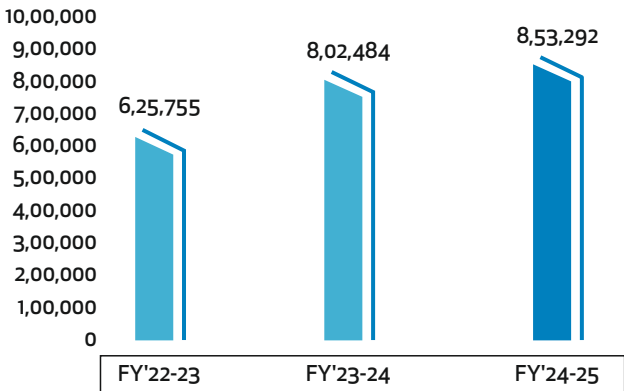
**Water Recycled/Reused**  
(Million m<sup>3</sup>)



**Renewable Energy Installed Capacity (MW)**



**Cumulative Number of Tree Plantation  
(Sites + Township) (Numbers)**

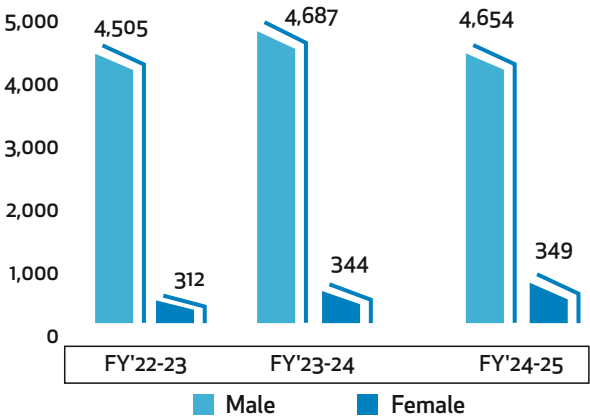




Economic, Environmental, **Social** &  
Governance Performance



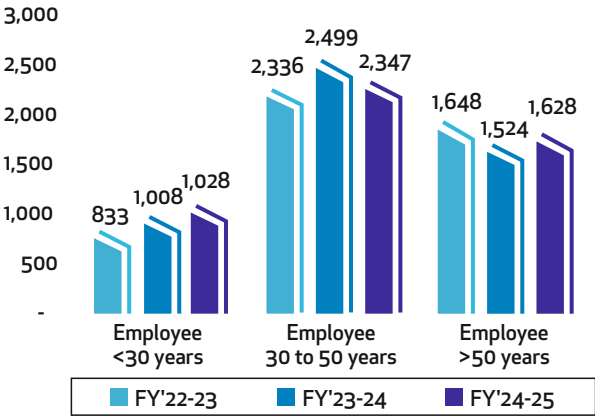
Permanent Employee  
Distribution (Numbers)\*



\*Excluding (06) Board of Directors and & (01) Chief Vigilance Officer (CVO)



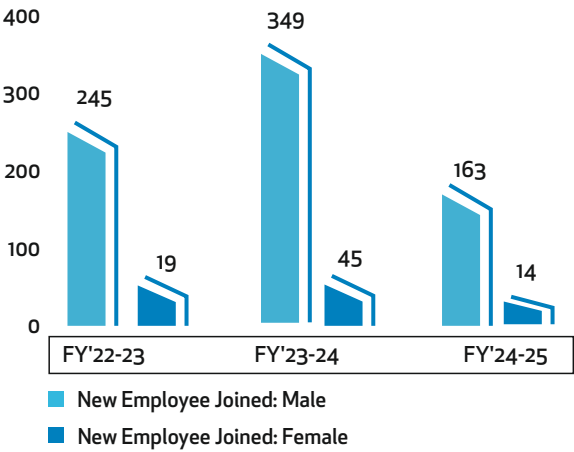
Permanent Employee  
Distribution (Age)\*



\*Excluding (06) Board of Directors and & (01) Chief Vigilance Officer (CVO)



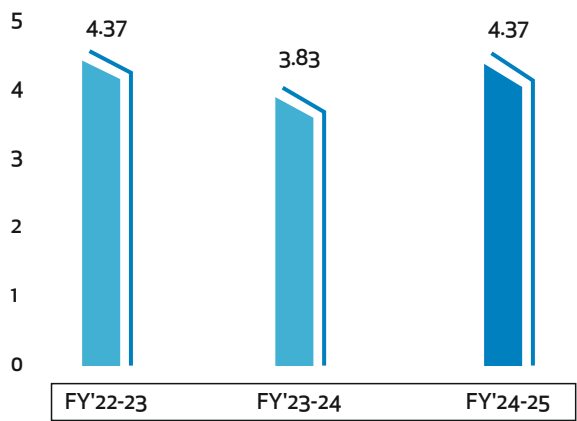
New Permanent  
Employees (Numbers)



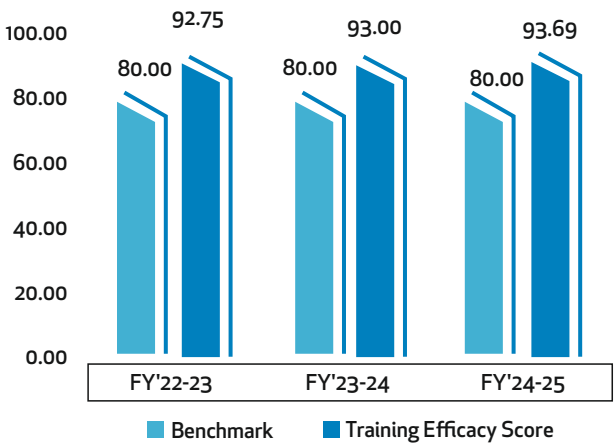
Economic, Environmental, **Social** &  
Governance Performance



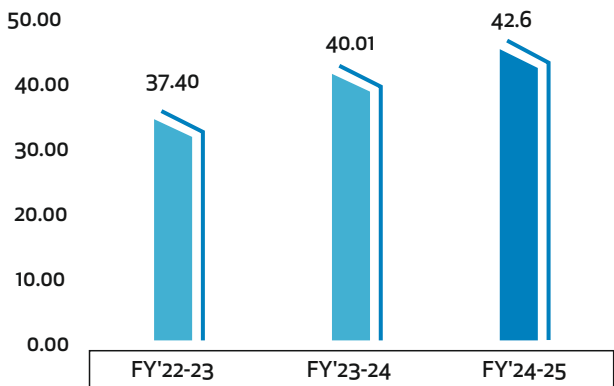
Total Employee Turnover  
Rate (%)



Training Efficacy Score (%)



Average Hours of Training  
per Employee

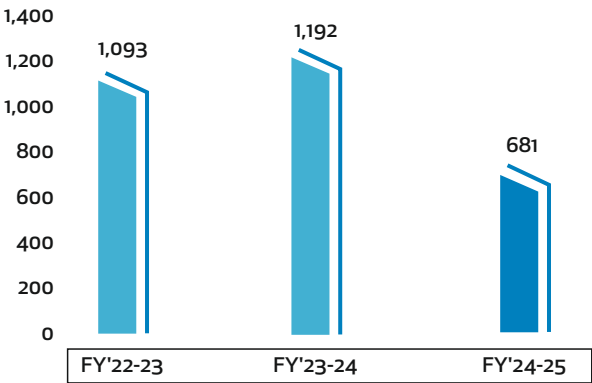




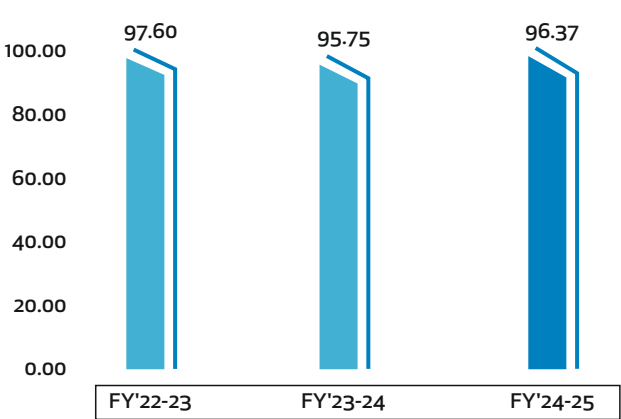
Economic, Environmental, Social &  
Governance Performance



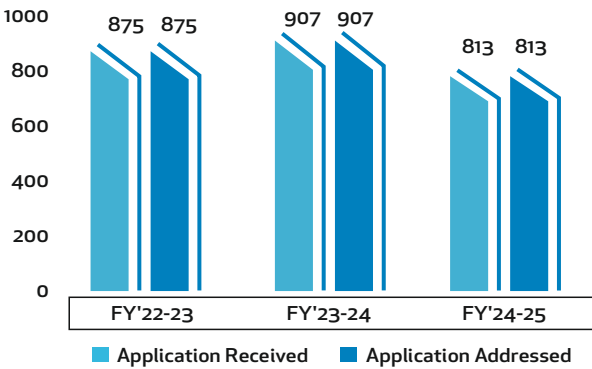
Total Near Miss Case  
(Numbers)



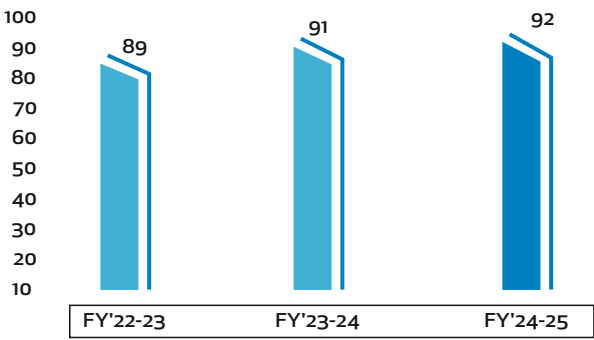
Health, Safety & Environment  
Score (%) (Score out of 100)



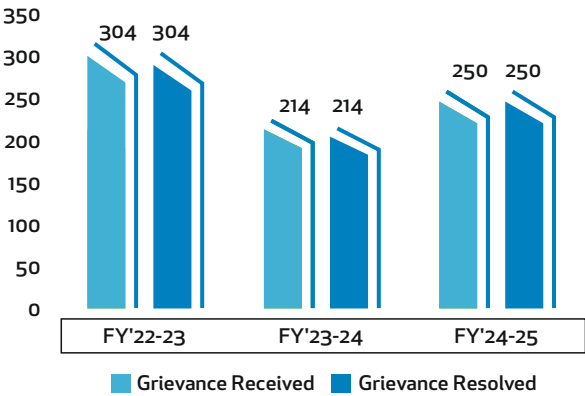
RTI Application (Numbers)



Customer Satisfaction  
Index (%)

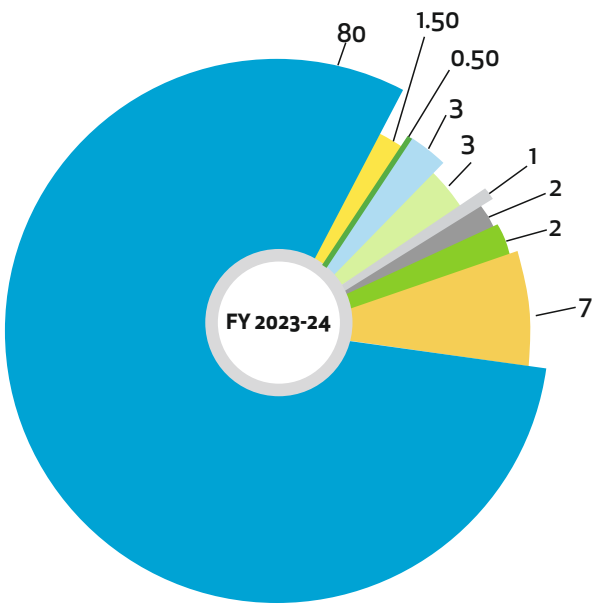
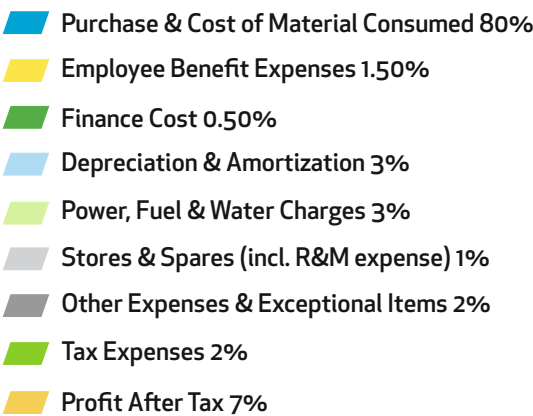
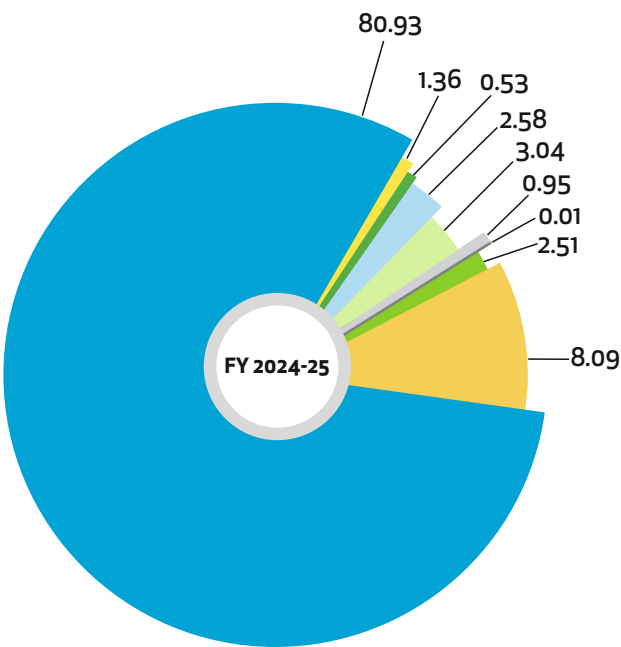
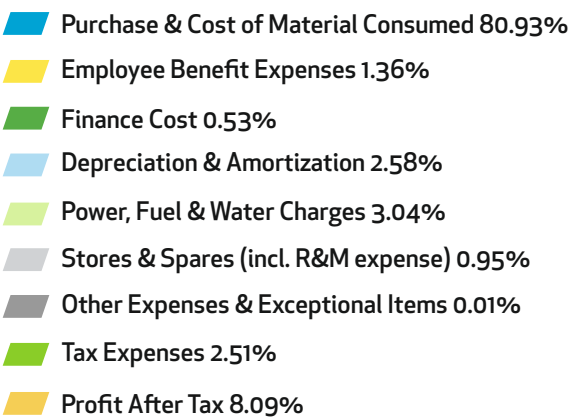


CPGRAMS Grievance  
(Numbers)





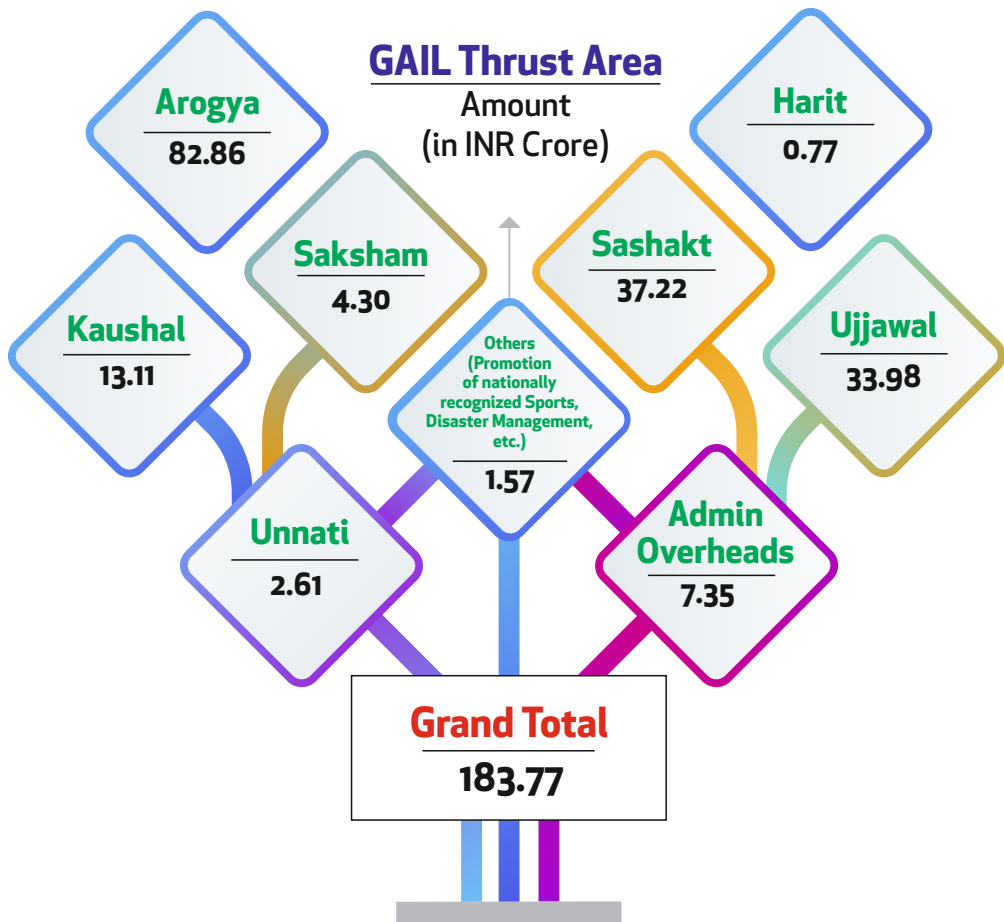
Operational Performance





GAIL CSR Initiatives in Thrust Areas

Our CSR programmes are carried out by designated implementation agencies. GAIL’s CSR project implementation agencies keep open a channel of communication with the identified beneficiaries. Through site visits, our nodal officers contact with beneficiaries/communities on a regular basis. These discussions aim to promote community engagement by identifying genuine needs and bridging last-mile delivery gaps.



GreenCo Assessment of the Sites

The Green Company Rating System by CII - Sohrabji Godrej Green Business Centre endorses an approach that is based on Sustainability Performance. This Rating System evaluates the companies based on criteria such as Energy efficiency, Renewable energy, GHG mitigation, Material Resource Management, Water conservation, Green Supply Chain, Product stewardship, Innovation for Sustainability, Biodiversity & Safety and Life Cycle Assessment (LCA).

GAIL has implemented GreenCo rating across its operational sites, which provides leadership and guidance on how to make Products, Services and Operations more sustainable. The Company’s internal and external stakeholders are trained on the latest green concepts so that GAIL can implement better systems and global best practices in its operations.

The following 11 sites of GAIL have been accredited with CII GreenCo rating:

- **Platinum Certification:** In FY 2024-25 GAIL’s JHBDPL (Ranchi) and KKB MPL (Kochi) pipelines have been awarded the GreenCo Platinum rating. With this recognition, GAIL now has three pipelines, including DBPL (Bengaluru) that have achieved the prestigious Platinum rating.
- **Gold Certification:** Pata Petrochemical Plant
- **Silver:** Vijaipur, Vaghodia, VSPL, Gandhar, Hazira and Jhabua
- **Bronze:** Chhainsa Compressor Station





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