Corporate HSE Department
Noida

Annual Performance Report
2016-17
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Executive Summary

This Annual HSE Report looks back on another year of positive progress for the Health and Safety and Environment (HSE). It captures Corporate HSE’s achievements and performance during the year 2016-17, and how we have used our unique position, expertise and resources to help making GAIL’s installation safer and healthier places to work. During the year 2016-17 various activities and initiatives carried by corporate HSE are summarized as:

- **Regional Safety Leadership Cum BBS Workshops** organized quarterly at Jaipur, Vadodara, Pata and Bengaluru to further penetrate the BBS drive.
- **Incident reporting system & Disaster Management Plan** of GAIL has been revised to improve the reporting structure & incorporate changes due to various communications of the ministry.
- **Safety Audit of Hydrocarbon Storages** of all Process Plants - PC-Pata, GPU-Gandhar, GPU-Usar and Integrated GPU-Vijaipur and GPU-Vaghodia was carried out by M/s. QSS, Mumbai
- **Memorandum of Understanding (MoU)** signed between GAIL & National safety Council, Mumbai for collaboration in promoting & enhancing the mutual understanding in the field of HSE through Exchange of experience.
- **Biodiversity Assessment** carried out at GAIL’s all process plants and Dabhol – Bangalore Pipeline as initiative to safeguard environment and biodiversity.
- The **17th Annual HSE Workshop** organized by Corporate HSE Department on March 02, 2017 at GAIL Jubilee Tower, Noida on the theme “Fire Protection of high rise Buildings”.
- GAIL acquired corporate professional Membership of **Center for Chemical Process Safety (CCPS)**. In view of our target of Zero Incident, corporate HSE has initiated a process of sharing information with GAIL colleagues on worldwide industrial incidents (occurred in the past) on every Monthly Safety Day. Access of CCPS e-library given to all OICs/F&S heads/Plant Section Heads.
- **Quantitative Risk Analysis study** of GPU Gandhar carried out by M/s. EIL, New Delhi
- Corporate HSE Department in coordination with BIS and Site O&M Dept. has taken action to enhance the **SAP Platform** to provide to establish common HSE procedures for all GAIL Installations. Incident/Accident Management, Risk Assessment, Worker Safety Management and Management of Change made alive as new functionalities.
- **Occupational Health Audit** of PC-Pata and HVJ compressor station- Khera was carried out by team of Occupational Health Committee members to review the Occupational Health procedures, infrastructure & facilities.
- **Environment Audit** of GAIL HVJ compressor stations-Hazira & Khera and VSPL (Cherlapally & Vizag) sites carried out by Internal team to review implementation of Environment Management.
Health, Safety and Environmental (HSE) Management is an integral and essential part of the way we do our business and is considered an equal part of the wider system for the management of our business.

As a responsible corporate, GAIL has always committed to the integration of HSE objectives into our management systems at all levels. This will enhance our business success by reducing risk and adding value to our services

It is a commitment that is in the best interests of our customers, our employees and all other stakeholders. We believe that effective HSE management is good business and we are committed to the continuous improvement of HSE management practices. From top management through to entry level, everyone is responsible and accountable for Health, Safety and Environment.

Various HSE activities were carried out during the year 2016-17 which are summarized as:

**Behaviour Based Safety in GAIL**

In order to move further towards Best in Class Safety practices, now the difficult journey is to imbibe Safety in all we think and do. Implementation of BBS at all sites has promoted employees to understand causes of incidents & near misses and correct them through the behavior of relevant people. Till date safe behavior has gradually increased up to 90% which resulted current year an incident free year.

Behaviour Based Safety (BBS) was rolled out successfully across all GAIL installations on 12th March 2015.

Sustaining “Behaviour Based Safety” drive implementation is a big challenge. Understanding this Challenge, following actions have been taken to drive/sustain BBS:

- To further penetrate the drive, 04 no. Safety Leadership Workshops through Behaviour Based Safety were organized at following work centres:
  - Jaipur : 08.07.2016
  - Vadodara : 30.08.2016
  - Bengaluru : 02.02.2016

- Trophies and appreciation certificates were awarded by ED (O&M), ED (E&P & PC-CO) and GM (HSE) to O&M sites for Best Implementation of BBS at their sites under various categories on the occasion of 17th Annual HSE workshop as:
  1. GPU Gandhar: Process plant
  2. Jhabua Compressor Station: Central region
  3. Maharashtra Regional Pipeline, Mumbai: Corporate region
  4. Cauvery Basin, Karaikal: Southern region
• Bi-monthly visits being made to all the sites to review the progress of BBS with the assistance of our consultant for continuous improvement.

• BBS Lead Trainer program conducted at Jaipur and Pata for effective Implementation of BBS at sites

• BBS drive further strengthened across GAIL by follow up visits, Lead trainer program, BBS implementation review, site functional & steering committee meeting.

  Nos. of follow up visits : 12
  Total Lead Trainers : 200
  Site Steering Committee : 13 Nos.
  Site Functional Committee : 58 Nos.

• Technical papers presented on BBS during:
  (i) CO-HSE Conclave organized by Indian Oil Corporation titled “Sharing Information on Behavior Based Safety Implementation” on 17.09.2016
  (iii)“OCCUCON-2017” conference organized by IAOH on 8-11 February 2017 at New Delhi.

• Various BBS awareness training program organized at O&M sites. No. of employees and workers covered till date are:
  No. of GAIL Participants: 2965
  No. of Contractor Employee: 8577

Safe Behaviour Trends at GAIL:

![Safe Behaviour Trends Chart]

Observance of Monthly Safety Day

• Observance of Safety Day on 10th of Every Month conducted on all work centres. Monthly Safety Day at site was witnessed by senior executive of the level of GM and DGM each month from CO-HSE department.

• All site OICs devote complete half day on **10th of each month as a Safety Day** to review all the safety related
aspects of their installations under their jurisdiction.

- Exception Report on Monthly Safety Day reviewed monthly jointly by Director (HR) and Director (Projects). This has helped in enhancing of our safety performance and also in reduction of incidents.

- All pending points related to Audits like OISD, PNGRB T4S, other external and Internal Audits points being reviewed and taken action for fast liquidation of points.

**Emergency Planning & Response**

- Incident reporting system & Disaster Management Plan of GAIL has been revised to improve the reporting structure & incorporate changes due to various communications of the ministry.

- Monthly review of Implementation of Incident reporting system with NGMC and BIS on 5th of every month.

- Emergency Response and Disaster Management Plan (ERDMP) of GPU-Gandhar, GPU-Usar, HVJ Compressor Station-Hazira, Petrochemical Complex (PC-I&PC-II)-Pata, JLPL- Jaipur, Maharashtra Region NG Pipeline-Mumbai, Compressor Station-Khera and Compressor Station-Dibiyapur have been reviewed, prepared and accredited by PNGRB approved Third Party Inspection Agency (TPIA) Emergency Response and Disaster Management Plan (ERDMP) of GPU&C2/C3-Vijiapur Compressor Station-Vijiapur, GPU & Compressor Station-Vaghodia, GPU-Gandhar, GPU-Usar, HVJ Compressor Station-Hazira, Petrochemical Complex(PC-I&PC-II)-Pata, JLPL- Jaipur have been approved by GAIL’s Board of Directors and submitted to PNGRB Board

- HSE Performance and Emergency Preparedness of GAIL Kailaras and Cherlapalli Sites reviewed through video conferencing.
• Various training program on Construction Safety Management, Electrical Safety & IE rules, Safety Integrity Level and Process Safety Management organized at GTI Noida.

Sub Committee Meeting

• Sustainable Development Sub-Committee meetings were conducted on 14.09.2016 & 25.01.2017 to review of HSE Performance and Emergency Preparedness of GAIL installations, Emergency Response Disaster Management Plans (ERDMP), HSE initiatives and compliance of critical OISD safety audit recommendations

Annual HSE Workshop on “Fire Protection of High Rise Buildings”

• The 17th Annual HSE Workshop was organized by Corporate HSE Department on March 02, 2017 at GAIL Jubilee Tower, Noida on the theme “Fire Protection of high rise Buildings”. The workshop was inaugurated by ED (O&M-CO). ED (E&P & PC-CO) and ED (CP & CA) were also present this occasion.

• Eminent faculty from NDMA, Director of Delhi Fire Service, EHS Head Northern Region-L&T, GAIL OICs/WICs, Doctors, F&S In-charges from work centers shared their views and experiences on this occasion.

During 17th Annual HSE Workshop, HDPE-I Unit of Pata Petrochemical complex was awarded prestigious CMD Trophy for best HSE performance for the year 2015-16

HSE workshop concluded with following take away:

- National Building codes to be followed during design stage.
- Training and awareness on fire fighting system, first aid and CPR must be as much as possible.
- Create a positive safety culture by compliance to commitment in following safety.
Hospitals must have adequate burn injury facilities across the country

Fire and safety must be everybody’s business.

Publication of HSE Procedures, Specification & Literatures

- Revision of Technical Specification of Personal Protective Equipment carried out for uniform implementation across the GAIL.

- Technical Specification of Fire Fighting Equipment & Appliances are Standardized by a Multi-Disciplinary Group.

Occupational Health

- 03 Nos. of Corporate Occupational Health Committee Meetings were conducted to discuss the issues related with Occupational Health. Meeting for 4th quarter is proposed in the last week of March 2017

- Occupational Health Audit of PC-Pata and HVJ compressor station- Khera was carried out by team of Occupational Health Committee members to review the Occupational Health procedures, infrastructure & facilities.

Environment Management

- 04 Nos. Awareness on Environment – Lectures Series by Renowned Professionals conducted during year 2016-17:

- Environmental Awareness Session on “Biodiversity Conservation in face of Global Change” organized at GAIL Noida on 6th June 2016. Dr. Sudipto Chatterjee, Associate Professor, Dept. of Natural Resources, TERI University delivered on the topic.

- A session on “Biodiversity Assessment at GAIL – Methodology and the Findings” organized at GAIL Corporate office on 10th August, 2016. Shri Ashok Jain, Director, M/s Terracon Ecotech Pvt. Ltd., Mumbai presented on the topic

- An Environmental Awareness Session organized on 02nd March, 2017 at Noida
• Environment Audit of GAIL HVJ compressor stations-Hazira, Khera and LPG Pipeline installations-VSPL (Cherlapally & Vizag) carried out by Internal Team to review implementation of Environment Management.

Global Methane Initiative

• The Global Methane Initiative (GMI) is a concept to reduce anthropogenic methane emissions and is an advancement for the recovery and use of methane as a valuable clean energy source. GMI benefits include increasing energy security, enhancing economic growth, improving air quality, and improving industrial safety:

GAIL Vijaipur procured Infrared Camera of Israel Make. In-house fugitive emission survey has been carried out at Hazira, Jhabua, Vaghodia & Gandhar

Wet Seal Gas Recovery Skid project has been implemented in one of the Dresser Rand compressors at Vijaipur and skid installed & taken in line.

One more similar skid has been ordered and received at site. Required modification has also been carried out and commissioning is still being planned.

Safety Performance & Monitoring

• New single monthly HSE score report format, containing 15 measurable parameters of HSE Management System, has been implemented for “New monthly HSE score” and for Monthly safety Day Exception report

In new HSE Score system, effective from January 2017, overall distribution of Marks is based on the importance and criticality of activity. Monthly HSE report are submitted by respective O&M sites through online format made available on GAIL Intranet under HSE dept. Data required for new HSE score system will also be captured through SAP.

• Overall HSE Score of GAIL which is compiled based on the evaluation of HSE Score of O&M installations is 93.07 for FY 2016-17 (April,16 – February, 17).

• EHS Management System with (new functionalities) has also been included in SAP enhancement, having key advantage of portal based, guided steps, work flow and analytical dashboard. The key new functionalities in enhancement are:
- Incident/Accident Management
  a) Safety Observation
  b) Near miss Reporting
  c) Incident/Accident Reporting
- Risk Assessment: The coverage of functionality is to identify the risk associated with activities, analysis, evaluation, mitigation methods and control. Key processes are:
  a) Job Safety Analysis
  b) Safety/Health/Environment Risk Assessment
- Worker Safety Management: The purpose of this functionality is to integrate EHSM with SAP PM Module to provide adequate linkage of Job Safety Analysis with Work Permit System.
- Management of Change: The purpose of this functionality is to standardize the Change Procedure to identify hazards connected with any change, minimize the mishaps caused due to non-compliance of procedures, improve optimization and utilization of facilities and decrease downtime

- 20 Nos. of External Safety Audits including OISD Audit of GAIL Installations were carried out till Jan’17 during the year 2016-17.

- HSE Management System Implementation Review of 04 Nos. installations Jhabua, Agartala, Kochi and Vaghodia have been carried out by Corporate HSE Officials.

- Safety Audit of Hydrocarbon Storages of all Process Plants- PC-Pata, GPU-Gandhar, GPU-Usar and Integrated GPU-Vijaipur and GPU-Vaghodia was carried out by M/s. QSS, Mumbai

- Quantitative Risk Analysis study of GPU Gandhar carried out by M/s. EIL, New Delhi


On this auspicious occasion the Memorandum of Understanding (MoU) was signed between GAIL & National safety Council, Mumbai for collaboration in promoting & enhancing the mutual understanding in the field of HSE through Exchange of experience. DG (NSC) & GM (HSE) signed the document in gracious presence of Director (HR & BD)

Take away of Bengaluru Seminar is summarized as:

- How Risk analysis of NG & Hydrocarbon cross country pipeline helps in identifying undesirable situation (HC Leakage), estimating damage potential of such situation and decision making to mitigate such situations
- Safe Pigging operations in pipelines & Emerging trends in Pig design.
Practices to be followed for safe pigging and How to prevent incidents during Pigging operation.

- Effective Process safety Automation in Pipeline operation to keep the operations running within specified limits and to set more precise limits to maximize profitability, ensure quality and safety.

- Benefits of good HSE practices in reducing risks and cost rise in productivity, reducing threat of legal action and better reputation among customers, suppliers and investors.

- All GPUs and petrochemical plant Process safety officers quarterly meet organised through video conferencing to review and discuss the responsibilities being performed as a PSO.

- GAIL presented a technical papers on “Approach for OS&H Management for contract workers and safety in construction” during SCOPE 6th Workshop on “Excellence in Occupational Safety & Health at work place” on 14-15 December 2016.

Initiatives through Centre for Chemical Process Safety (CCPS) Corporate Professional Membership

- In view of our target of Zero Incident, corporate HSE has initiated a process of sharing information with GAIL colleagues on worldwide industrial incidents (occurred in the past) on every Monthly Safety Day. Knowledge from these incidents will allow us for comparison with the own situation and systems and enable us to generate creative solutions and to prioritize the measures.

- Access of CCPS e-library given to all OICs/F&S heads/Plant Section Heads which will help in updating ourselves about new initiatives and developments in the field of process safety which in turn, will further strengthen Process Safety at our installations.

- Process safety Officers and Operation executives from Process Plants are given access for three CCPS free e-learning courses e.g. “What Every New Engineer Needs to Know about Process Safety”, “Process safety Management Overview” and “The Importance of Codes and Standard for Process safety”.

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# Targets vs. Achievements: 2016-17

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<th>S.No</th>
<th>Parameter</th>
<th>Unit</th>
<th>Performance Level</th>
<th>Actual Achievement</th>
<th>Remarks</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>HSE Score</td>
<td>%</td>
<td>90</td>
<td>93.07</td>
<td>HSE Score of 31 work centers till Feb’17</td>
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<tr>
<td>2</td>
<td>HSE Management System Review at Sites</td>
<td>Nos.</td>
<td>4</td>
<td>4</td>
<td>Jhabua, Agartala, Kochi and Vaghadia</td>
</tr>
<tr>
<td>3</td>
<td>Regional Behaviour Based Safety (BBS) Workshop</td>
<td>Nos.</td>
<td>4</td>
<td>4</td>
<td>Jaipur, Vadodara, Pata and Bengaluru</td>
</tr>
<tr>
<td>4</td>
<td>Environment Audit of Process Plants</td>
<td>Nos.</td>
<td>2</td>
<td>4</td>
<td>Hazira, Khera, VSPL VSPL (Cherlapally &amp; Vizag)</td>
</tr>
<tr>
<td>5</td>
<td>Occupational Health Audits of Process Plants</td>
<td>Nos.</td>
<td>2</td>
<td>2</td>
<td>Pata and Khera</td>
</tr>
<tr>
<td>7</td>
<td>Safety Audit of HC storages of Process Plants</td>
<td>Nos.</td>
<td>5</td>
<td>5</td>
<td>Safety audit of HC storage of All GPU &amp; PC-Pata completed</td>
</tr>
<tr>
<td>8</td>
<td>Annual HSE Workshop</td>
<td>Date</td>
<td>28.02.16</td>
<td>02.03.2016</td>
<td>Held on 02.03.2016</td>
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<td>9</td>
<td>Capturing Biodiversity at Process Plants &amp; Publication of Coffee Table Book on GAIL’s Flora &amp; Fauna</td>
<td>Nos.</td>
<td>5</td>
<td>6</td>
<td>Biodiversity study at Process Plants &amp; DBPL Bangalore carried out</td>
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HSE Score

Overall HSE Score of GAIL which is compiled based on the evaluation of HSE Score of O&M installations is 93.07 for FY 2016-17 till February, 2017. Trend of HSE Score for last 11 months is indicated below.

**IMoU Target:** 90

![HSE Score vs IMoU target graph]

- Achievement: Azure blue bar
- IMoU Target: Red bar
External Safety Audits 2016-17

External Safety Audits of 20 Nos. O&M installations were carried out till Jan’17 during FY 2016-17.

<table>
<thead>
<tr>
<th>S.No</th>
<th>Work Centre</th>
<th>Audit period</th>
<th>Audit Type</th>
<th>Agency</th>
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<tbody>
<tr>
<td>1</td>
<td>NCR</td>
<td>April, 2016</td>
<td>T4S Audit</td>
<td>VCS</td>
</tr>
<tr>
<td>2</td>
<td>MUMBAI</td>
<td>April, 2016</td>
<td>ESA</td>
<td>CEIL</td>
</tr>
<tr>
<td>3</td>
<td>JLPL</td>
<td>April-May, 2016</td>
<td>ESA</td>
<td>M/s CEIL</td>
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<tr>
<td>4</td>
<td>Maharashtra NG Pipeline</td>
<td>May, 2016</td>
<td>T4S Audit</td>
<td>M/s Moody International</td>
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<tr>
<td>5</td>
<td>Khera Compressor Station</td>
<td>May-June, 2016</td>
<td>T4S Audit</td>
<td>M/s Moody International</td>
</tr>
<tr>
<td>6</td>
<td>Bengaluru</td>
<td>June, 2016</td>
<td>T4S Audit</td>
<td>Intertek Moody International</td>
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<tr>
<td>7</td>
<td>Hazira</td>
<td>June, 2016</td>
<td>T4S Audit</td>
<td>Intertek Moody International</td>
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<tr>
<td>8</td>
<td>Usar</td>
<td>June, 2016</td>
<td>ESA</td>
<td>ESA</td>
</tr>
<tr>
<td>9</td>
<td>Jhabua</td>
<td>June, 2016</td>
<td>ESA</td>
<td>ESA</td>
</tr>
<tr>
<td>10</td>
<td>NCR</td>
<td>JULY, 2016</td>
<td>ESA</td>
<td>OISD</td>
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<td>11</td>
<td>GPU Gandhar</td>
<td>July, 2016</td>
<td>Fifth External Safety Audit</td>
<td>OISD</td>
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<tr>
<td>12</td>
<td>Desu-Maruti PL Desu Sonipat Bahadurgarh PL</td>
<td>July, 2016</td>
<td>External Safety Audit</td>
<td>OISD</td>
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<tr>
<td>13</td>
<td>Agartala &amp; Puduchery</td>
<td>July, 2016</td>
<td>T4S Audit</td>
<td>Intertek Moody International</td>
</tr>
<tr>
<td>14</td>
<td>Jhabua-Vijaipur HVJ pipelines</td>
<td>August, 2016</td>
<td>External Safety Audit</td>
<td>OISD</td>
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<tr>
<td>15</td>
<td>Agra &amp; Malanpur Regional PL</td>
<td>August, 2016</td>
<td>T4S Audit</td>
<td>Intertek Moody International</td>
</tr>
<tr>
<td>16</td>
<td>Vijaipur-Auraiya HVJ PL</td>
<td>October, 16</td>
<td>ESA</td>
<td>OISD</td>
</tr>
<tr>
<td>17</td>
<td>DBPL</td>
<td>November, 16</td>
<td>ESA</td>
<td>OISD</td>
</tr>
</tbody>
</table>
HSE Checks: 2016-17

HSE Checks of 04 GAIL installations were carried out during FY 2016-17.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>GAIL Installation</th>
<th>Date of HSE Check</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Jhabua</td>
<td>26th - 27th July 2016</td>
</tr>
<tr>
<td>2</td>
<td>Agartala</td>
<td>19th - 21th December 2016</td>
</tr>
<tr>
<td>3</td>
<td>Kochi</td>
<td>07th - 09th February, 2017</td>
</tr>
<tr>
<td>4</td>
<td>Vaghodia</td>
<td>20th - 21st March 2017</td>
</tr>
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</table>

Emergency Drills: 2016-17

Emergency Exercise conducted on variety of emergency scenarios, which attempt to simulate as possible a fire, explosion or toxic release and comparison is made with prescribed timelines and the actual received.

<table>
<thead>
<tr>
<th>Period</th>
<th>On-Site Emergency</th>
<th>Off-Site Emergency</th>
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<tbody>
<tr>
<td>Jan-March 2016</td>
<td>23</td>
<td>14</td>
</tr>
<tr>
<td>April-June 2016</td>
<td>28</td>
<td>02</td>
</tr>
<tr>
<td>July-September 2016</td>
<td>28</td>
<td>03</td>
</tr>
<tr>
<td>October-December 2016</td>
<td>28</td>
<td>08</td>
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</table>
Biodiversity Assessment

Biodiversity is the life support system of our planet - we depend on it for the air we breathe, the food we eat, and the water we drink, in short the habitat in which we live. The connections between biodiversity and our sustainable future appear closer and closer the more we look into it. We literally need to conserve biodiversity like our lives depend on it. All the Process Plants of GAIL have created a huge & significant green asset at their respective premises. The Green Reservoir so created with painstaking efforts of local management over the years is now home to many exotic and indigenous species both flora & fauna. The installations of GAIL that have been covered under this project on Biodiversity Assessment are as follows:

1. Petrochemical Complex & Township - Pata
2. Vijaipur Complex & Township
3. GPU Gandhar & Township
4. GPU Vaghodia
5. LPG Recovery Plant, Usar
6. Dabhol – Bangalore Pipeline

Saras Crane at Pata (State Bird of UP)

Plain Tiger Butterfly at Gandhar
Awards and Accolades

With its continued focus on HSE across its installations, GAIL has won following awards during the year 2016-17.

- Honorable C&MD and Director (Projects) along with senior officials received three prestigious OISD awards for the Year 2014-15 at the hands of Honorable Minister of state (IC), P&NG, Sh. Dharmendra Pradhan for following categories:
  - Pata under Category “Other Processing Plant”
  - Vijapur under Category “Other Processing Plant”
  - Hazira - Vijaipur - Jagdishpur Natural Gas Pipeline under Category “Cross Country Pipeline - LPG & Gas Pipeline”
  - Gas Processing Unit, Gandhar under Category “Most Consistent Safety Performer - Gas Processing Plant”

- GPU Gandhar received Suraksha Puraskar (Bronze Trophy) from National Safety council Mumbai for the year-2015 at the hands of Honorable Minister of Labour and Employment, Sh. Bandaru Dattatreya in the award function held on 6th April,2016 at Vigyan Bhawan, New Delhi.

- GAIL HVJ Compressor Station- Vijaipur, won 1st Level Award: “Sarvashreshtha Suraksha Puraskar” (Golden Trophy)-2016 under the category Manufacturing sector: Group A from National Safety Council of India.

- GAIL GPU Plant and HVJ Compressor Station- Vaghodia, won 4th Level Award: “Prashansa Patra”-2016 under the category Manufacturing sector: Group A from National Safety Council of India.
Way Forward

For the year 2017-18, Corporate HSE Department has plans to undertake following new initiatives.

- Organizing HSE conclave for larger benefit of Oil & Gas industries
- Measurement of HSE Performance through new formulated monthly “New HSE Score” format which is merger of existing monthly HSE score format and monthly safety day format.
- Engagement of an agency for sustaining and taking forward BBS and develop good safety culture across the organization.
- 04 Nos. Regional Behaviour Based Safety Workshops will be conducted
- Review of GAIL HSE management System by External Experts and GAP Analysis will be carried out during year 2017-18 as follows:
  1. Review the existing GAIL’s HSE Management System of NG & LPG Cross Country Pipelines, GPUs & Petrochemical plant and E&P
  2. Find out the gap with respect to industry best Practices/Standards/Guidelines and recommend methods to incorporate in GAIL’s HSE Management System
  3. Review of Implementation of HSE Management System at GAIL Installations (Minimum One in Each Segments of Operations) against existing established HSE Management System and proposed solution for strengthening the same
- Initiative towards Occupational Health system improvement:
  1. Occupational Health Audit of three O&M site to be conducted in year 2017-18 For sensitization to employees on Occupational Health and review Occupational Health Infrastructure, Manpower, and Equipment etc. in line with recommendations of Corporate Occupational Health Committee and OISD 166.
  2. Capturing Annual Occupational checkup status of employees for compelling employee to undergo annual health checkup.
  3. Formulation of Award scheme to employee having lowest medical expenditure on self to promote health consciousness in the organization
- To review the implementation of Environment Management System, audit of 03 O&M site is planned for year 2017-18
- New initiatives for stepping up of Global Methane Initiatives in GAIL.

With the continued support and guidance of GAIL management, Corporate HSE department shall continue to serve the organization in a professional manner to meet and exceed the stated objectives.

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