OIL INDUSTRY SAFETY DIRECTORATE (OISD)

Oil Industry Safety Directorate (OISD) is a technical directorate under the Ministry of Petroleum and Natural Gas and has been entrusted with the responsibility of formulating standards, overseeing its implementation through safety audits in petroleum industry with aim to enhance safety levels and reduce risks inherent with this industry. OISD standards cover the entire activities pertaining to hydrocarbon sector i.e. exploration & production, refining, gas processing, storage, distribution, environment etc. which are implemented on self-regulatory basis by the Oil & Gas companies.

OISD is committed to enhancing safety and instilling safety culture in the entire hydrocarbon sector.

Pre-Commissioning Safety Audits (PCSA)

Pre-commissioning safety audits of projects across the Oil & Gas Industry. The purpose of these audits is to ensure that green-field developments and also major additional facilities at existing locations are compliant with OISD standards at the construction stage itself.

OISD Safety Audit performance for the year 2019-20 is as indicated below:

<table>
<thead>
<tr>
<th>गतिविधिया / Actions</th>
<th>मद / Unit</th>
<th>योजना / Plan</th>
<th>वास्तविक / असलियत</th>
</tr>
</thead>
<tbody>
<tr>
<td>सुरक्षा ऑडिट / Safety Audits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>सिकाइवाती - गैस संसाधन संयंत्र / Refineries &amp; Gas Processing plant</td>
<td>संख्या / No</td>
<td>17</td>
<td>* 16</td>
</tr>
<tr>
<td>विपणन प्रतिष्ठण / Mktg. Installation</td>
<td>संख्या / No</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>अन्वेषण एवं उत्पादन तटीय एवं अपतटीय प्रतिष्ठण / E&amp;P Onshore &amp; Offshore Installations</td>
<td>संख्या / No</td>
<td>66</td>
<td>73</td>
</tr>
<tr>
<td>ब्रोड-कंट्री पाइपलाइन / Cross Country Pipeline</td>
<td>किमी / KM</td>
<td>8000</td>
<td>9002</td>
</tr>
</tbody>
</table>

* Some of the audits had to be postponed due to Covid-19 Pandemic
During 2019-20, 65 nos. of such audits had been conducted on the request of the user Industry members. 1027 Km of Pipeline was also audited in this context.

<table>
<thead>
<tr>
<th>गतिविधियाँ / Actions</th>
<th>मड/ Unit</th>
<th>वातावरिक/ Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>प्री कमीशनिंग सुरचा ऑिडट (पीसीएसए) 2019-20 / Pre Commissioning Safety Audits (PCSA)- 2019-20</td>
<td>संख्या/ No</td>
<td>35</td>
</tr>
<tr>
<td>लिफाँदी एवं गैस संसाधन संयंत्र/ Refineries &amp; Gas Processing plants</td>
<td>संख्या/ No</td>
<td>30</td>
</tr>
<tr>
<td>इंस्टलशन प्रितंगन/ Mkgt. Installations</td>
<td>किमी / KM</td>
<td>1027</td>
</tr>
<tr>
<td>क्रॉस-कंट्री पाइपलाइन</td>
<td>किमी / KM</td>
<td>1027</td>
</tr>
</tbody>
</table>

Joint Inspection (JI) of Oil Spill Response Equipment/ Facility with Indian Coast Guard (ICG)

OISD and Indian Coast Guard carry out joint inspection of Tier-1 Oil Response Equipment/ facilities. In this regard, joint inspection of two Offshore Platforms/ SPMs was carried out during the year 2019-20.

Technical Seminar/ Conference/ Workshops

Technical Seminars/ Conferences/ Workshops for the Oil industry are conducted by OISD to discuss the latest technological developments, sharing of incident experiences etc.

During the year 2019-20 OISD has organized the following seminars/workshops:

1. A two-day workshop on ‘Audit of LPG Bottling Plant’ for Auditors was conducted at IOCL’s LPG Bottling Plant, Mysore during 25th-26th April 2019.
2. Two-day workshop on ‘Audit of LPG Bottling Plant’ for Auditors was conducted at HPCL LPG Bottling Plant, Bhopal during 27th-28th Jan’2020.

3. OISD Workshop on ‘Fire and Safety in Upstream Oil and Gas Operation’ was organized at IPSHEM, ONGC, Goa, jointly by OISD and ONGC during 14th-15th Feb’2020.

4. Two-day Workshop on ‘Enhancing Auditors’ Skills’ for POL auditors of IOCL was conducted at IOCL Irumpanam Terminal during 26th-27th Feb’2020.

5. Two-day workshop on ‘Audit of LPG Bottling Plant’ for Auditors was conducted at BPCL LPG Bottling Plant, Sikrapur, Pune during 6th-7th March’2020.
OISD Performance Highlights for the year 2019-20

Development of Safety Standards

OISD develops Standards/ Guidelines/ Recommended Practices for the oil and gas sector through a participative process involving all the stakeholders. OISD standards are reviewed periodically to ascertain needs of developing new standards, revising existing standards to incorporate the latest technological developments as well as current experiences on the ground. As on date, OISD has developed 121 technical safety standards out of which 21 standards are mandatory for the oil and gas sector by dint of their being included in the Petroleum Rules 2002, the Gas Cylinder Rules 2016, the Static & Mobile Pressure Vessels (Unfired) Rules, 2016 and the Oil Mines Regulations 2017.

During the year 2019-20 OISD has revised 08 numbers of existing OISD standards. As of date, OISD has developed 121 technical safety standards out of which 21 standards are mandatory for the oil and gas sector by dint of their being included in the Petroleum Rules 2002, the Gas Cylinder Rules 2016, the Static & Mobile Pressure Vessels (Unfired) Rules, 2016 and the Oil Mines Regulations 2017.

Apart from these, formulation of one new standard and 8 numbers of existing OISD standards have been released for implementation during the year 2019-20.

OISD Performance Highlights for the year 2019-20

Dr. M.M. Kutty, Secretary, MoP&NG presiding over 36th Safety Council meeting

Dr. M.M. Kutty, Secretary, MoP&NG presiding over 36th Safety Council meeting

(अभि) समापित हैं। कार्यकारी निदेशक -ओआईएसडी सेफ्टी कॉउंसिल के समन्वयक हैं।

सेफ्टी कॉउंसिल के बैठक वर्ष में कम से कम एक बार होती है और विवात 6 अगस्त, 2019 को सेफ्टी कॉउंसिल की 36 वीं बैठक सम्पन्न हुई।

बैठक के दौरान जिन प्रमुख मुद्दों पर चर्चा और समीक्षा की गई वे इस प्रकार हैं:

- वर्ष 2018-19 की प्रमुख घटनाएं और वर्ष 2019-20 के लिए नवीनीकरण की जाती है।
- दीर्घकालीन लंबित ईएसए / एसएसए सिस्टम के कार्यान्वयन की समीक्षा।
- आठ मौजूदा ओआईएसडी मानकों में संशोधन की संख्या।

Safety Council meeting

To ensure proper implementation of the various aspects of safety in the Oil & Gas Industry in India, Government of India had set up a Safety Council at the apex under the administrative control of Ministry of Petroleum & Natural Gas. Safety Council is headed by Secretary of MoP&NG.

Members of the Safety Council include the Chief Executives of Public and Private/ JV’s Sector, Statutory bodies such as Chief Controller of Explosives (PESO), Director General of Mines Safety, Secretary Central Electricity Authority and Director General of Factory Advice Service and Labour Institute, Adviser (Fire). ED-OISD is member coordinator of Safety Council.

The Safety Council meets at least once a year and 36th meeting of the Safety Council was held on 6th August 2019.

Key issues discussed & reviewed during the 36th meeting are as under:

- Compliance status of long pending recommendations of OISD Safety Audits.
- Approval of revised in eight numbers of existing OISD standards
Incident Investigation & Analysis

OISD investigates major incidents (depending upon the severity/damage) in oil and gas industry. The analysis of these incidents is shared with the industry to avoid recurrence. A databank of incidents of the oil and gas industry is maintained and analyzed by OISD to assess trends, areas of concern and required corrective/preventive action. These are then disseminated to the industry through safety alerts, case studies, advisory notes, workshops/seminars and OISD Newsletters etc.

During 2019-20, ten major incidents were investigated by OISD.

Other Major Activities

Steering Committee meeting

54th Steering Committee meeting was held on 6th May 2019 with representatives from Oil & Gas industry (Principal Panelists) at OISD, Noida. Some of the major points discussed during the meeting are as under:

- Adoption of eight Revised OISD Standards
- Review of the implementation Status of ESA/SSA recommendations pending for more than two years.
- Incident Analysis for last three years.

World Environment Day celebration at OISD

World Environment Day was celebrated on 5th June 2019 on the theme “Beat Air Pollution”, which inspires us all to consider how we can make changes in our everyday lives to reduce the serious risk of air pollution on our environment and human health as well as our natural places and wildlife.
**OISD Performance Highlights for the year 2019-20**

5th International Yoga day

The 5th International Yoga Day was celebrated on 21st June, 2019 with full enthusiasm by all OISDians.

ISO 9001:2015 Re-certification of OISD

In the year 2013, OISD became the first ISO 9001:2008 certified Organization amongst all the OIDB grantee Organizations. ISO certification of OISD has been revalidated by M/s DNV during Periodic Audit on 2nd Dec 2019.