Safety Audits by OISD: FY 16-17

OISD carries out periodic safety audits of all types of Oil & Gas installations to monitor their compliance with the OISD standards. OISD Safety Audit Performance for the year 2016-17 is as indicated below:

| Name of Audit / Actions | Made/Unit | Year/Plan | Actuals/
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Audits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refineries &amp; Gas Processing plants</td>
<td>14</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Mktg. Installations</td>
<td>70</td>
<td>93</td>
<td></td>
</tr>
<tr>
<td>Onshore E&amp;P Installations</td>
<td>50</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Offshore E&amp;P Installations</td>
<td>16</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Cross Country Pipelines</td>
<td>7000</td>
<td>7974</td>
<td></td>
</tr>
<tr>
<td>Additional audits Pipelines Installations</td>
<td>Nos 01</td>
<td>Nos 01</td>
<td></td>
</tr>
</tbody>
</table>

Our goal is to achieve and enhance safety in Oil & Gas Installations in co-ordination with industry members both public and private sector.
Pre-Commissioning Safety Audits (PCSA)

To ensure safe & productive capitalization thereby enabling uninterrupted distribution of petroleum products for the public at large, OISD carries out pre-commissioning safety audits of Greenfield projects across the Oil & Gas Industry. These audits are conducted where; green-field developments and also major additional facilities at existing locations are being done, to ensure ab initio compliance of these facilities to the OISD standards at the construction stage itself.

During 2016-17, 39 nos. of such audits had been conducted on the request of the user Industry members. 1558 Km of Pipeline covering eighteen pipelines installations was also audited in this context.

## Table: Pre-Commissioning Safety Audits (PCSA) - 2016-17

<table>
<thead>
<tr>
<th>Action</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refineries &amp; Gas Processing Plants</td>
<td>17</td>
</tr>
<tr>
<td>Mktg. Installations</td>
<td>21</td>
</tr>
<tr>
<td>Cross Country Pipelines</td>
<td>1558</td>
</tr>
</tbody>
</table>

### Action Details:

1. **HPCPL Plant, Loni, Greater Noida**
   - **Date:** 29.09.2016
   - The Director (MO-LPG), OISD and other participants held a one day workshop to discuss the safety of mounded LPG storage on 29.09.2016 at Loni.

### Consent to Operate for Offshore Installations

OISD, as the competent authority to oversee implementation of the Petroleum & Natural Gas (Safety in Offshore Operations) Rules, 2008 accords “consent to operate” to offshore installations including Drilling Rigs. 13 drilling platforms and 15 drilling rigs have been accorded “consent to operate” during the year 2016-17.

### Technical Meetings/Seminars

OISD conducts technical meetings/seminars on various topics to ensure ab initio compliance of these facilities to the OISD standards at the construction stage itself.
OISD Performance Highlights 2016-17

(ii) OISD, Noida on 28-29 December, 2016, organised a one-day “Workshop for Auditors for Mounded Storage Vessels and its CP System” at HPCL LPG Bottling Plant, Loni, Ghaziabad on 29th of Sep’2016.

(ii) Two days’ workshop on the theme “Emerging risks in E & P operation and lessons learnt from past accidents” during 28th-29th Dec, 2016 at OISD, Noida

(iii) One day Workshop on POL Terminal Operations’ at OISD, Noida on 03rd Mar’2017.

(iv) 2nd one day “Workshop for Auditors for Mounded Storage Vessels and its CP System” at OISD, Noida and IOCL’s LPG Bottling Plant, Madanpurkhadar, New Delhi on 17th of Mar’2017.

(v) 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 2016-17 OISD has organized the following seminars/workshops:

(i) One day “Workshop for Auditors for Mounded Storage Vessels and its CP System” at HPCL LPG Bottling Plant, Loni, Ghaziabad on 29th of Sep’2016.

(ii) Two days’ workshop on the theme “Emerging risks in E & P operation and lessons learnt from past accidents” during 28th-29th Dec, 2016 at OISD, Noida

(iii) One day Workshop on ‘POL Terminal Operations’ at OISD, Noida on 03rd Mar’2017.

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(ii) OISD, Noida on 3 March, 2017, organised a one-day seminar on POL Terminal Operations’ at OISD, Noida on 03rd Mar’2017.

(iv) OISD, Noida and IOCL’s LPG Bottling Plant, Madanpurkhadar, New Delhi on 17th of Mar’2017.

Encouragement of Safety Performance across the Industry thru ‘Oil Industry Safety Awards’

Annual evaluation of Safety Performance of the Industry Members is done by a specially developed methodology, which takes cognizance of hazards associated, incident recorded during the year and safety management system of the installation. Organizations, achieving ‘exceptional safety performance’ during the year, are awarded with the Oil Industry safety Awards. In addition, individuals...
making exceptional contributions towards the cause of safety in their respective installations are also encouraged and presented with such awards.

‘Oil Industry Safety Awards’, for the year 2014-15, had been handed over to the recipients by Hon’ble Minister of State (Independent Charge) for Petroleum & Natural Gas in a glittering function at Delhi on 29th November, 2016.

The Safety Council

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. The Oil Industry Safety Directorate (OISD) assists the Safety Council, which is headed by Secretary, P&NG as Chairman and members represent the entire spectrum of stakeholders – PSU, Pvt. Sector & JVs – as well as relevant expert bodies. To review the safety performance, the Safety Council meets once a year and 33rd meeting of the Council was held on 07th June, 2016.

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

- Major activities undertaken in 2015-16 & Activity plan for 2016-17
- Compliance status of MB Lal Committee recommendations
- Analysis of OISD Safety Audits Compliance status (ESA/SSA)
Development of Safety Standards

OISD develops Standards / Guidelines / Recommended Practices for the oil and gas sector through a participative process involving all the stakeholders (including the public at large), drawing inputs from international standards and adapting them to Indian conditions by leveraging the experience of the constituents. These standards cover inbuilt design safety, asset integrity and best operating practices in the field of production, processing, storage and transportation of petroleum. OISD standards are reviewed periodically to ascertain needs of developing new standards, updating / amending existing standards to incorporate the latest technological developments as well as current experiences on the ground. As on date, OISD has developed 120 technical safety standards for the oil industry. 11 of these standards had also been included in statutory provisions of Petroleum Rules and Gas Cylinder Rules.

During the year 2016-17, OISD has revised/amended 08 Numbers of the existing standards. These standards, after following the extant process of their revision, shall be put up for adoption in 52nd Steering Committee meeting on 6th Jan, 2017 followed by Safety Council.

Incident Investigation & Analysis

OISD investigates as well as participates in investigation of major incidents (depending upon the severity/damage) to analyze root cause of the incident. A databank of incidents of the oil industry is maintained and analyzed to assess trends, areas of concern and required corrective action. These are then disseminated to the industry through safety alerts, advisory notes, workshops, training programs, website links etc. During 2016-17, 04 major incidents were investigated by OISD.
देश एक करने का गत महत्वपूणर तेजी आई है। द्वारा दशानदेश का विकास तथा तेल उद्योग और समीची जा रही है। इस प्रकार नयीमत समीचा पेट्रोलयम और प्राकृतिक गैस मंत्रालय के स्थायी संसदीय बैठक के परणाम OISD तरलकृत प्राकृतिक गैस एवम अनुरूप OISD ने पेट्रोलयम और प्राकृतिक गैस समीचि और अभभन्न समीचि के ससफ़ारश के बल के पास होने पर देश मे पेट्रोलयम और प्राकृतिक गैस लाने वाला संगठन बनाना है।

उद्योग मे सूरा संबंधी वियनर को एक छत्र के नीचे देखने के लिए तेल उद्योग सूरा देशालय (ओआईएसडी) जा सके और इस उद्योग के सूरा संबंधी मामले को उद्योग मे सूरा संबंधी विभाग जाएंगे और रिकवरी मे आसानी हो सके।

OISD मे दूसरा अंतरराष्ट्रीय योग दिवस समारोह

OISD मे दूसरा अंतरराष्ट्रीय योग दिवस समारोह जो वर्तमान मे देश मे दूसरा अंतरराष्ट्रीय योग दिवस मनाता है। यामंद्रम को सफल बनाने के लिए, अंतर्राष्ट्रीय मंत्रालय के निर्देशन के लिए सभी 35 OIAESDI के कर्मचारी ओआईडीबी ओडिटोरिआम में तारीख देशालय के प्रतिवेदन के बल पर योजना तय की गई है। विज्ञापन के अंतरार्ष्ट्रीय योग दिवस मनाने के लिए विभिन्न प्रकार के अभियंताओं के सम्मान में योजना का आयोजन किया जा रहा है। यह कार्यक्रम वार्षिक कार्यक्रम का निरीक्षण गई है।

चौथा योजना का एक टॉप - View of Yoga Session

OISD मे स्वच्छ भारत निधन

"स्वच्छ भारत" अभियान पर माननीय प्रधान मंत्री के आह्वान और मंत्रालय के निर्देश अनुसार अपने उद्योगों के साथ शासन और मंत्रालय के साथ शासन और मंत्रालय के साथ आयोजन के साथ आयोजन के साथ आयोजन के साथ आयोजन के साथ आयोजन के साथ OISD के कार्यान्वयन के साथ अभियंता।
उद्देश्य
अपने सामाजिक दायरे के लोगों के बीच इस जारूकता कार्यालय में बिकल हमारे परवार के सदस्य, आसपास के पक्षी और प्रीवी हो जाते थे।

भुगतान कार्यालय
प्रयागरण कार्यक्रम इससे और तरफ हमारे पैनल का जश्न मनाने के लिए इकट्ठे कमर्चारियों।

वीभावत वे पैनल के जबाबदारी की गई अपील का अनुपालन करते हुए, का निर्माण निवेदन, और आयुक्त कार्यालय में बैठक अपने परिवार के सदस्यों, आसपास और अपने सामाजिक दायरे के लोगों के बीच भी इस जारूकता अभियान को पैनल के लिए बनाया।

प्लाकार्ड/प्रस्तर दी को परिवार कई नारों और साफ परिवार को इसके अध्याय स्वयंसेवी फायदों पर संदेश के साथ कार्यक्रम की शुभारंभ परिवार और भुल-तल पर उसके चारों तरफ सफाई से की गई।

उसके के बाद, का लिने स्वच्छ कार्य कराई राजीव और इसकी पारंपरिक कार्य की समीक्षा की और इसकी प्रशंसा पर बनाया। विभिन्न सदस्यों का चुनाव किया गया ताकि सफाई और स्वच्छता की स्थिति का बात का रूप लगाया जा सके।

प्रशिक्षण के कार्यक्रम में भाग लिया और अपने कार्यालय स्थान के साथ-साथ अपने आस-पास के स्थान का भी निरीक्षण किया जा रहा।

सभी कर्मचारियों ने पूरी मनोभाव से कार्यक्रम में भाग लिया और अपने कार्यालय स्थान के साथ-साथ अपने आस-पास के स्थान का भी निरीक्षण किया जा रहा।

कृपया कार्यक्रम सुरक्षा ऑपरेशन के लिए अधिक टैक्टिकल का भुगतान - उपयोग के लिए एक उपयोग

इससे पहले, पीसीएसए के लिए शुल्क लेने के लिए, आयुक्तकॉड और संबंधित टेल कंपनियों के पताके, क्रेडिट, डेबिट और मिलन पर भारी संख्या में माना गया बाबाद हो जाते थे। प्रक्रिया को सरल बनाने के लिए और कठोर अनुपालन से मध्य के के लिए, यह निर्णय लिया गया कि अवदेख कंपनियों आदेश प्रतिकृत करने से पहले आयुक्तकॉड को पीसीएसए के लिए प्रारंभिक भुगतान करते। और पीसीएसए अंतर्गत अनुसूची फार्मेंट में उसी के लिए लेनदेन विकल्प दिए करते। लेनदेन के लिए प्रारंभिक भुगतान लेने की यह प्रणाली 1 अगस्त, 2016 से काम कर रही है।

कैरेंटलेन्डे
ओआईएसडी ने अप्रैल 16 से ही कैरेंटलेन्डे शुरू किया, और परिवार में कर्मचारियों/विकल्पों के लिए सभी फिल्टर लेनदेन बैंकिंग सिस्टम और इंटरनेट बैंकिंग (एनआईएसडी/आरटीजीएसडी) के माध्यम से ही रहे हैं।

Other Major Activities

52nd Steering Committee meeting
52nd Steering Committee meeting held on 6th Jan, 2017 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 New/ Revised/ Amended OISD Standards
- OISD’s ESA Plan vis-à-vis Actual for the year 2016-17 of all sectors – E&P, Ref & GPF, Pipeline and Marketing groups
- Review of implementation status of long pending critical ESA/SSA recommendations
- Incident analysis for the last three years and review of implementation status of recommendations.
- Safety issues related to Common Railway Siding.
- Compliance status of recommendations of investigation committee reports of major incidents at IOCL Hazira Terminal fire and GAIL pipeline incident at Tatipaka.

Safety Regulator for Petroleum & Natural Gas industry
In line with the recommendations of Parliamentary Standing Committee on Petroleum & NG and various expert committees, OISD has developed the draft Petroleum & Natural Gas Safety Board Bill. The bill aims at creating an Umbrella Organization for regulation of Safety in the entire Petroleum & Natural Gas Industry in the country.
With the passage of the Bill, the existing fragmentation in Statutory Set-Up of Overseeing Safety in Petroleum and Natural Gas Industry in the country shall be avoided and; in the matters related to safety in this Industry, the Oil Industry Safety Directorate (OISD), as a single agency would be conferred with statutory status.

The bill has been duly processed for consideration at the Committee of Secretaries (CoS) and at present the Bill is under consideration of CoS.

Monitoring of MB Lal Committee Recommendations

OISD and MoP&NG continue to vigorously monitor & review the implementation status of MB Lal and OISD-116 & 117 compliances with the entire Oil & Gas. Such regular review meetings have helped to enhance the pace of execution of safety critical items significantly.

Out of 113 recommendations which were to be implemented by the Industry, OMCs have already implemented 112 recommendations; and the remaining one recommendation about setting up of the Emergency Response Centre (ERC) in the country, is under implementation.

Development of Safety Guidelines for Liquefied Natural Gas (LNG) Bunkering

OISD has been advised by the Ministry of Shipping, Government of India to formulate a ‘Guidelines on Safety for LNG Bunkering Facilities at Ports, for Large Ships, Coastal Shipping and Inland Water Transport (IWT) Terminals’. In this regard, OISD has set up a Committee of Functional Experts for framing these Guidelines.

Digitization of OISD documents.

Digitization of documents has been taken up in various sections of OISD. Along with digitization, weeding out of documents, as per document retention policy, is also been undertaken. The digitized documents are being uploaded on cloud server (Meghdoot) of Govt. of India so as to ease access, store & recovery of information.

Second (2nd) International Yoga Day celebration at OISD

OISD, the Technical Directorate under MOP&NG celebrated the 2nd International Yoga Day on 21st June 2016 with full enthusiasm. To make the event successful, all the 35 OISDians assembled at OIDB Auditorium at 08:30 Hrs for the program conducted with the help of in-house talents. The program commenced with the inaugural speech by ED-OISD Shri. V.J. Rao, when he emphasised the positive aspects of practicing Yoga for the overall benefit of individuals, at the very basic level of Body, Soul and Mind.

Swachh Bharat (Clean India) Mission in OISD

Pursuant to the Hon’ble Prime Minister’s call on “Swachh Bharat” campaign and directive from the Ministry, OISD along with its all functional directors and employees under the leadership of Sh. VJ Rao, Executive Director and Head of the Organization, assembled at 8th floor OIDB Bhavan on 2nd October, 2016 at 10:00 am to commemorate the 3rd year of celebration of the mission.

Complying with the appeal made by our Hon’ble Prime Minister, ED OISD reiterated the noble objective of the Clean India Mission and reminded all employees on the pledge taken by all of us on 2nd October ‘14 and stress upon owing up the drive and spread the awareness among others not in office alone but also among their family members, neighborhood and at their social circles.

The program was kick started by cleaning the building premises and its surrounding at the Ground floor, displaying of placards/ flex boards showing several slogans and messages on clean environment and its ultimate benefits.

Subsequent to above, ED took a review of the benchmarking process set in the office for clean working environment and stressed upon its sustainability. Visit to all toilets, Pantry as well as Store and electrical panel rooms were also taken by the senior members to ascertain the cleanliness and hygiene status.

All the employees wholeheartedly participated in the program and vowed to take it forward by keeping their own office space as well as surrounding at their living place absolutely clean and be an effective campaigner of the Mission.

Payment of advance tariff towards Pre-Commissioning Safety Audits – A productivity enhancement measure

Earlier, to collect the charges for PCSA, the large number of man-hours was wasted at OISD & respective Oil companies towards correspondence, credits, debits and reconciliation. To simplify the process & to avoid rigorous follow-ups, it was decided that the applicant companies shall make initial payment for PCSA to OISD prior to submitting the
application, and will enter transaction details for the same in the PCSA online request form. This system of taking initial payment for PCSA is in place from 1st August, 2016.

**Cashless Transaction**

OISD started Cashless Transaction since April '16 itself, and presently all financial transactions to employees/ vendors etc. are taking place through Banking System and Internet Banking (NEFT/ RTGS).