

ANNUAL REPORT 2015-2016



सत्यमेव जयते

GOVERNMENT OF INDIA
Ministry of Commerce and Industry
Petroleum & Explosives Safety Organisation,
NAGPUR (M.S.)

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INTRODUCTION

The Petroleum and Explosives Safety Organisation (PESO), formerly known as Department of Explosives, since its inception on 09/09/1898, has been serving the nation as a nodal agency for regulating safety of hazardous substances such as explosives, compressed gases and petroleum. The organisation has earned rare distinction as an institution of excellence in matters related to safety in manufacturing/refining, storage, transportation, handling and use of hazardous substances for over a century. Apart from the normal functions of enforcement of statutory safety regulations to safeguard public safety, life, property and environment, the organisation has rendered meritorious voluntary services in examination and disposal of explosives, improvised explosives devices till late eighties of the last century, some of which were of national importance encountered during freedom struggle of the country, terrorist activities in different regions in the country. Till early nineties of the last century, the officers of the organisation were carrying out anti-sabotage checks and duties related to VVIP security, Airport Security etc. The organisation has creditably rendered training to Police, Security and Intelligence personnel in detection, examination and disposal of explosives/explosive devices in a safe manner, as there was no other agency in the country to impart such trainings. The activities of the organisation, over the years has increased exponentially and expanded in diverse fields. Today the organisation deals with wide range of subjects related to explosives, petroleum, compressed gases, pressure vessels, gas cylinders, cross-country pipelines, LNG, CNG, Auto LPG, CBG, Ammonium Nitrate, etc.

The organisation, although small in size, compared to many other Government organizations with an existing strength of only 119 officers out of sanctioned strength of 137 officers, is the only organisation of its kind directly overseeing the safety requirements for over 2.77 lakhs hazardous units and offering expert technical and safety guidance to numerous industries and user companies, including Ministries of Defence, Railways, Shipping, Surface Transport, Environment & Forests, Civil Aviation and establishments of Atomic Energy and Space Research.

Initially, the activities of the organisation were confined to enforcement of Explosives Act (4 of 1884) involving inspection of explosives manufacturing factories, explosives storage magazines and investigation of accidents related to manufacture, storage and transportation of explosives. Subsequently, enforcement of Petroleum Act (8 of 1899) & Petroleum Rules which came in force on 17.02.1899 and Carbide of Calcium Rules, 1987 framed under the said Act were also entrusted to the organisation. However, owing to different sets of provincial regulations prevailing in different provinces at that time, an impasse was created in effective administration of the Petroleum Act and Rules, Ammonium Nitrate Rules.

With a view to thrash out the impasse and bring uniformity in the system, the Chief Inspector of Explosives started an endeavour to frame a set of rules for all states allowing variations essential for local conditions. Finally, the Petroleum Act, 1934 was promulgated in supersession of all earlier Regulations and the Petroleum Rules, 1937 came into force with effect from 30.03.1937 replacing the earlier Central and Provincial Rules. The consolidated Carbide of Calcium Rules came into force with effect from 18.02.1987. After independence, though hazardous but useful materials like explosives, petroleum etc. found place in the Union List of the Constitution of India. Subsequently, the Petroleum Rules, 1937 were overhauled comprehensively and replaced by Petroleum Rules, 1976. The Petroleum Rules, 1976 were further reviewed and overhauled in view of changed scenario and also report of the Rajya Sabha Committee for Sub-ordinate Legislation and new rules Petroleum Rules, 2002 were brought into force with effect from 13/03/2002. Later on two



amendments have been done on 02/02/2007 and 15/06/2011. In order to simplify the said rules and implement them effectively the said rules are in the process of amendment.

During the course of time, similarly there were several revisions and amendments in the Explosives Act and Rules. The earlier Explosives Rules, 1918 were replaced by Explosives Rules, 1940, which were again overhauled and replaced by the Explosives Rules, 1983, which have been again thoroughly reviewed and present Explosives Rules, 2008 have been brought in force since 29/12/2008. In order to make the said rules more effective, the rules are in the process of amendment.

In order to control the misuse of Ammonium Nitrate and regulate its production & use in explosives manufacturing industries and in mining industry the Ammonium Nitrate Rules were framed under the Explosives Act, 1884 and came into force on 11/07/2012.

Inflammable Substance Act, 1952 came into force from 1952. The Gas Cylinder Rules which were originally framed in the year 1940 were replaced by new comprehensive Gas Cylinder Rules, 1981. These rules were again reviewed due to liberalized policy of Government of India and were simplified and replaced by new Gas Cylinder Rules, 2004 with effect from 21/08/2004. CNG & CBG Amendments in the said rules as per present requirement have been proposed and they are in the process of amendment.

The Static and Mobile Pressure Vessels (Unfired) Rules, 1981 were for the first time brought in force in the country to cover safety in storage and transportation of bulk compressed gases in unfired pressure vessels. These rules have been appropriately amended from time to time to cover new fields like cryogenic liquids, Auto LPG Dispensing Stations etc.

Due to the complexity of functions and increased responsibility in implementing safety regulations over the entire length and breadth of the country, the organisation has modernized its working procedures making use of latest tools of information technology. Consequently, all the offices of the organisation have been networked through the central server installed at Nagpur, the data base of the organisation has been digitized and access to the data has been made available to the public through internet. The members of the public can now have access to the status of their applications by visiting the organisation's website (peso.gov.in). In order to provide hassle free services to the existing licence holders and new applicants the organisation has provided public portal to the public for submission of various applications on line under Petroleum Rules, 2002. The similar facilities under other rules implemented by the organisation and on line remittance of various fees under different rules are in advance stage and will be available to the public very shortly. The aim of the organisation is to take benefit of modern work procedures, technology and upgraded manpower quality by imparting continuous training to officers and staff for turning itself into an Institute of Excellence. The reputation earned by this organisation over the century is reflected by confidence shown by all related industries, various government departments/organisations and autonomous bodies in seeking advice and guidance in the matters relating to handling of hazardous substances.

Aided by its most efficient technical work force, congenial working conditions, proactive approach, up-gradation of knowledge base, deployment of IT techniques and over all traditional dedication towards safety, the organisation is now poised to scale new heights of excellence in the years to come.

N.T. Shahu

Jt. Chief Controller of Explosives(HOD)



BASIC ROLE AND FUNCTIONS OF THE ORGANIZATION

With an overall objective to ensure safety and security of public and property from fire and explosion, the organization as a statutory authority is entrusted with the responsibilities under Explosives Act, 1884; Petroleum Act, 1934; Inflammable Substances Act, 1952, Environment (Protection Act), 1986 and the following rules framed under these Acts;

EXPLOSIVES ACT, 1884

1. Explosives Rules, 2008
2. Ammonium Nitrate Rules, 2012
3. Gas Cylinder Rules, 2004
4. Static & Mobile Pressure Vessels (Unfired) Rules, 1981
5. Notification No. GSR 625(E) dated 07.08.1983 regarding Acetylene Generator

PETROLEUM ACT, 1934

1. Petroleum Rules, 2002
2. Calcium Carbide Rules, 1987
3. Cinematography Film Rules, 1948 (These rules have become obsolete and are to be repealed)

The organisation is basically entrusted with two types of major roles viz. Statutory Role and Advisory Role. The activities of the organization in brief under the said roles are described below: -

2.1 STATUTORY ROLE

The Statutory role of the organisation under different Acts and Rules is as follows:

2.1.1 EXPLOSIVES RULES, 2008

The major work under Explosives Rules, 2008 relates to approval of site layout & construction plans of the premises, grant of licences for manufacture, storage, transport and import/export of explosives. Apart from this authorization of explosives, approval for packages for packing of explosives, approval of fabrication of portable magazines, Bulk Mix Delivery vehicles, prescribing safe procedures and methods for manufacture of various types of explosives including the tools, equipments and machineries etc. are other activities of the organisation under Explosives Rules. The organization carries out investigation of accidents involving explosives and also undertakes destruction of unserviceable/seized explosives in the interest of safety and security of public and property.

The organization carries out inspection and safety audit of the new premises for verification/endorsement of the premises after grant of licenses/approvals and also conducts periodic inspections of the licensed/approved premises.

2.1.2 AMMONIUM NITRATE RULES, 2012

The Central Government specified "Ammonium Nitrate or a combination" as special



category explosive substances under Explosives Substance Act, 1908 on 10th December, 2008 under vide notification number S.O.2899 (E). Further, Central Government vide notification number S.O.1678 (E) dated 21st July 2011 declared Ammonium Nitrate having the chemical formula NH_4NO_3 or any combination containing more than 45% of Ammonium Nitrate by weight including emulsions, suspension, melts or gels (with or without inorganic nitrates) shall be deemed to be an explosives within the meaning of Explosives Act, 1884 .

In order to control over manufacture, conversion, stevedoring and bagging, import, export, transport, possession for sale or use of Ammonium Nitrate, Central Government vide notification No G.S.R.553(E) dated 11th July 2012 published Ammonium Nitrate Rules, 2012 framed under Explosives Act, 1884.

The major work under Ammonium Nitrate Rules, 2012 relates to approval of site layout, construction plans of the premises, grant of licences for manufacture, possession for sale or use of Ammonium Nitrate or conversion of melt to solid and vice-versa, Stevedoring & bagging of Ammonium Nitrate, storage of Ammonium Nitrate, transport of Ammonium Nitrate and licence for Import and Export of Ammonium Nitrate.

The organization carries out investigation of accidents involving ammonium nitrate and also undertakes destruction of unserviceable/seized ammonium nitrate in the interest of safety and security of public and property.

2.1.3 GAS CYLINDER RULES, 2004

Gas Cylinders Rules were first published in 1940 after Govt. of India Notification No. M-1272 (1), dated 28th September 1938 declaring 'any gas when contained in any metal container in a compressed or liquefied state' to be an explosive within the meaning of Explosives Act, 1884. The above rules were later replaced by the Gas Cylinders Rules, 1981, after a comprehensive review in the light of the development of the gas industry after independence. The last two decades of the 20th century witnessed massive expansion in the gas and related industries triggered by economical liberalization and globalization, use of LPG as industrial and domestic fuel, introduction of CNG and LPG as environment friendly automotive fuels, entry of new technologies, etc. necessiated another round of review and brought out the new Gas Cylinders Rules, 2004.

The major activities covered under these rules include grant of approval for cylinders, valves & LPG regulators manufacturing units etc, as well as approval of designs of these equipments. Grant of licences for gas cylinder filling plants, CNG fueling stations, filled cylinder storage premises and import of cylinders/valves are other important activities under the rules. Apart from this grant of permission for filling of cylinders, recognition of cylinder testing stations etc are activities imparted by the organisation. This organization also plays a crucial role in the formulation of standards for cylinders, valves, regulators, etc. The organization regularly undertakes safety audits of gas cylinder filling plants; CNG fueling stations, cylinder, valve and



regulator manufacturing units, etc. approved/licensed premises under the aforesaid rules to ensure the compliance of the rules and also to inculcate safety awareness.

Salient features of Gas Cylinders Rules, 2004 with respect to deregulation and simplification of rules-

- a) Enhancement of the scope of the Gas Cylinders Rules to cover special containers up to 2500 liters water capacity and composite cylinders made of non-metallic materials.
- b) Enhancement of the exemption limit of possession of gas filled cylinders without licence and periods for which a licence can be granted and renewed.
- c) Doing away the requirement of prior approval of specification and plans for setting up of cylinder filling plants, conversion of cylinders from one gas service to another & filling of cylinders between the hours of sunset to sunrise in respect of non-toxic non-flammable gases.
- d) Simplification of the procedure for transfer of a licence in case of change of ownership or death of the licensee.

2.1.4 STATIC & MOBILE PRESSURE VESSELS (UNFIRED) RULES, 1981

The functions of the organization relating to administration of these rules covers grant of approval for pressure vessels/safety fittings fabrication shops and their designs, licenses for storage of compressed gas installations and for transport of compressed gas in vessels by road, permission for import of vessels, grant of recognition of inspecting agencies/competent persons to carry out inspection and certification during manufacture/repair of vessels and final testing as well as periodic testing thereof.

The organization carries out inspection and safety audit of the new premises for verification/endorsement at the time of grant of licenses/approvals and also periodic inspections. The above functions also include review of safety audit, periodic tests reports and performance of vessel fabricators and certifying agencies.

2.1.5 NOTIFICATION NO. GSR.625 (E) DATED 07/08/1983 REGARDING ACETYLENE GENERATOR

Acetylene when liquid or subjected to pressure or in admixture with air or oxygen is highly explosives. The generation of acetylene and approval of acetylene generators is governed under this notification. The organization gives approval for type of acetylene generators and acetylene plants. Trial runs of the generator both at the manufacturer's place and at the factory where the generator is installed for evaluating its performance as well as determining efficiency of each generator at the time of endorsement of licenses is done by the organization besides routine inspections of acetylene cylinder filling plants in operation.

2.1.6 PETROLEUM RULES, 2002

Petroleum has been defined under the Act and Rules as liquid hydrocarbon or a mixture of liquid hydrocarbons and any inflammable mixture containing liquid hydrocarbons. The work relating to administration of these rules covers approval of Refineries, Petrochemicals/Oil & Gas



Processing Plants, transport of petroleum by land and pipeline, Flameproof and other suitably protected electrical apparatus and other safety equipments for use in areas laden with flammable gases and vapours, licensing of petroleum dispensing/service station, petroleum storage installations, tank trucks for transportation of petroleum by road, aircraft/heavy machinery refueller and also issuance of Certificate of Gas Free in respect of Vessels/Ships carrying petroleum for dock entry, man entry and hot work.

The organization carries out safety audits of these premises to ensure compliance of rules and safety measures.

2.1.7 CALCIUM CARBIDE RULES, 1987

Calcium Carbide has been declared as inflammable substance under the Inflammable Substances Act and the safety provisions of Petroleum Act has been made applicable to it. Calcium Carbide in contact with moisture generates acetylene gas, which has wider range of explosives limits. Approval of receptacles for packing Calcium Carbide and issue of licences for storage of calcium carbide either for sale or for generation of acetylene are the functions entrusted to the organization under these rules.

2.1.8 CINEMATOGRAPHY FILM RULES, 1948:

Storage and transport of Cinematographic Films having Nitrocellulose base, pose potential mass fire hazard. The storage and transport of such films are governed under these rules and issue of licences for storage of films is entrusted to the organization under these rules. The Nitrocellulose based films now have been replaced by safety films (Polyester Based). These rules have therefore become redundant and recommended for repeal.

2.2 ADVISORY ROLE

With the expertise in specialized technical and safety aspects to prevent fire and explosions of explosives, petroleum, carbide of calcium, gas cylinders, pressure vessels and other hazardous substances, the organization renders advice whenever requested, not only to the industry but also to the government and other bodies like Ports, Railways, Defence Establishments, and Ministries of Surface Transport, Environment & Forests, Petroleum & Natural Gas, Pollution Control Authorities etc. The organization plays important role in formulation of related BIS standards, Port by-laws, Indian Red Tariff and Regulations pertaining to transportation of hazardous goods by rail, road, sea and air.

The Chief Controller of Explosives is the member of the Central Crisis Group constituted by the Ministry of Environment & Forests and other officers also represent at State level and District level Crisis Management Groups.



**ACTIVITIES OF THE ORGANIZATION IN BRIEF**

- 3.1** Scrutiny and appraisal of site layouts and construction plans for;
- Explosives manufacturing factories
 - Explosives storage premises
 - Ammonium nitrate premises
 - Fireworks manufacturing factories
 - Fireworks magazines/store houses and shops
 - Manufacture of explosives at site in Bulk Mixing and Delivery [BMD] Vehicles.
 - Gas cylinder filling plants
 - CNG dispensing Stations
 - Storage Sheds for filled gas cylinders
 - Bulk Storage installations for compressed gases in pressure vessels
 - Auto LPG dispensing stations
 - Petroleum storage installations
 - Petroleum storage sheds
 - Petroleum tank trucks for transportation of petroleum
 - Petroleum cross-country pipelines for transportation of petroleum and gas
 - Petroleum Service Stations.
 - Calcium Carbide storage premises.
- 3.2** Scrutiny and appraisal of proposals for approval of design and construction of explosives vans, Bulk Mixing and Delivery vehicles (BMD) for site manufacture of explosives, vehicles for transport of bulk compressed gases/cryogenic liquids in pressure vessels, petroleum containers and tank trucks including its safety fittings.
- 3.3** Licensing of the premises/units/vehicles referred to under 3.1 & 3.2 above.
- 3.4** Scrutiny and appraisal of layout etc. of Petroleum Refineries, Petrochemical units, Calcium Carbide premises and Acetylene Gas generating plants for grant of approval thereof.
- 3.5** Scrutiny and appraisal of proposals of design, construction, laying and operation of pipelines for transport of liquid hydrocarbons as well as other flammable gases/hazardous chemicals grant of approval thereof.
- 3.6** Scrutiny and appraisal of proposals of designs of pressure vessels and their fittings both manufactured in India and imported for grant of approval thereof.
- 3.7** Scrutiny and appraisal of proposals of design of Gas Cylinders and valves fitted there to manufactured in India and imported for grant of approval thereof including LPG cylinder Regulator.
- 3.8** Scrutiny and appraisal of proposals of flameproof, intrinsically safe and special electrical equipments suitable for use in hazardous areas laden with flammable gases/vapors, both



manufactured indigenously and also imported for grant of approval thereof.

- 3.9 Scrutiny and appraisal of proposals of factories fabricating pressure vessels and its fittings for grant of approval thereof.
- 3.10 Scrutiny and appraisal of proposals of testing stations for periodic examination and testing of cylinders for grant of recognition to the cylinder testing station.
- 3.11 Recognition of competent persons and inspectors under various Rules.
- 3.12 Issue of shot firer's permit & foreman's certificate.
- 3.13 Regular safety audit of the units mentioned above.
- 3.14 Destruction of deteriorated and unclaimed/unserviceable/seized explosives.
- 3.15 Examination of petroleum tanks in sea going vessels/ships for issuing gas free certificates for allowing hot work, entry of man in such tanks and entry of such vessels in docks.
- 3.16 Technical investigation of accidents related to the substances coming under the purview of the Acts and Rules administered by the organization for ascertaining causes of accident and violations.
- 3.17 Scrutiny and appraisal of proposals to import, export and transport explosives for grant of licence thereof.
- 3.18 Authorization of new explosives after mandatory tests and trials.
- 3.19 Grant of permission for filling/use of gas cylinders imported from abroad and manufactured in India.
- 3.20 Grant of licence/permit for import of cylinders & pressure vessels.
- 3.21 Scrutiny of periodic returns under various Rules.
- 3.22 Review & amendment of rules and grant of exemption/relaxation wherever necessary in Public interest.
- 3.23 Advising on request to Port, Airport and Railway/authorities on –
 - Classification of hazardous substances;
 - Packing and determination of conditions for storage/transport of dangerous substances;
 - Siting and layout of facilities for the loading/unloading and transit storage of explosives, flammable and other dangerous substances.
- 3.24 Examination/testing of explosives/hazardous substances for classification of hazard.
- 3.25 Advising the Central and State Governments, the Industry and various organizations on matters relating to the handling of explosives, flammable and other dangerous substances, and the requirements of the Acts and Rules referred to above whenever asked.
- 3.26 Participation as Chairman or member in various committees appointed by the Ministry of Defence, Bureau of Indian Standards and other Ministries and Departments.
- 3.27 Participation in symposiums, seminars, workshops organized by various organizations relating to safety in handling of hazardous chemicals, petroleum products, explosives and compressed gases.



ADMINISTRATION, BUDGET AND INFRASTRUCTURE

4.1 STRENGTH AND INFRASTRUCTURE

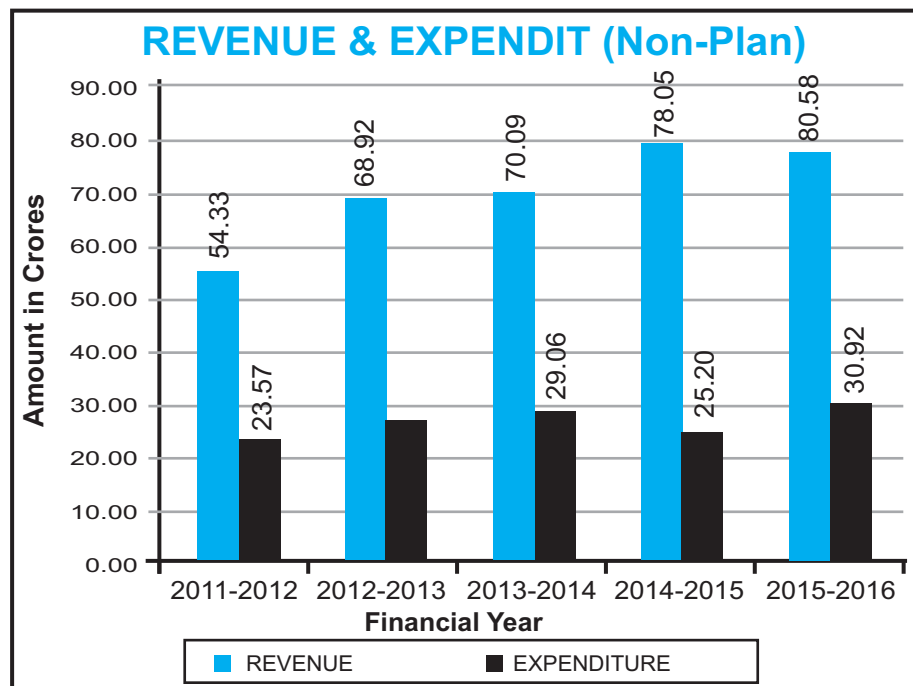
The sanctioned strength of the organization at present is **137 Group 'A' officers and 343 Group 'B' and 'C' officials**. Out of the above, **18** posts of Group 'A' and **67** Group 'B' and 'C' officials are lying vacant due to various administrative procedures and reasons. The Petroleum and Explosives Safety Organization (PESO) is headed by the Chief Controller of Explosives with its headquarter at Nagpur and there are 5 Circle Offices located at Mumbai, Chennai, Kolkata, Faridabad and Agra each is headed by the Jt. Chief Controller of Explosives. The organization has 13 Sub-Circle Offices under various Circle Offices and are headed by the Dy. Chief Controller of Explosives and 5 Sub-Circle offices under various Circle Offices and are headed by the Controller of Explosives. The Departmental Testing Station (DTS) situated at Gondkhairi, Nagpur is headed by Dy. Chief Controller of Explosives and Fireworks Research and Development Centre (FRDC) situated at Sivakasi (Tamilnadu) is headed by Controller of Explosives. The organizational set up and jurisdiction of various circle and sub circle offices is summarized in annexure-I and II respectively.

4.2 BUDGET & EXPENDITURE

During the year 2015-16 (B.E.), budget granted for organization under non-plan was Rs. 32,02,00,000 and under plan it was Rs. 4,00,00,000. During the year, the expenditure under non-plan budget was Rs 30,92,42,324 and under plan budget it was Rs.2,98,37,805/-.

4.3 REVENUE

During the year 2015-16, the organization earned revenue of Rs 80,58,46,439/- on account of fees for the services rendered under various acts and rules which includes Rs. 46,12,06,033/- under Explosives Act and Rs. 34,46,40,406/- under Petroleum Act.





DEPARTMENTAL TESTING STATION (DTS) & FIREWORKS RESEARCH AND DEVELOPMENT CENTRE (FRDC)

5.1 DEPARTMENTAL TESTING STATION (DTS)

5.1.1 INTRODUCTION

The Departmental Testing Station is situated at 18 KM Stone, Nagpur – Amravati Road, N.H.6, at village Gondkhairy, District Nagpur and is spread over 81 acres of land. The Testing Station functions under the overall guidance and control of Chief Controller of Explosives, Nagpur.

The basic aim behind development of organization's own Testing Station is to carry out necessary statutory tests to assist Chief Controller of Explosives in administration of Explosives Act, 1884 & Petroleum Act, 1934 and rules framed there under. The Testing Station also renders services of quality control & other tests for different materials and equipments to the user industries especially manufacturers of explosives, which also includes UN Classification Tests which is first of its kind in India for facilitating export of explosives and its accessories.

DTS has been accredited with ISO: 9001-2008 Certificate by M/s. TQ Services (A Division of TATA Projects Limited) on 20/03/2015.

5.1.2 FUNCTIONS OF DTS

DTS renders the following services for safe manufacturing/quality control of different material and equipments under different acts and rules:

A. STATUTORY TESTS

Sl. No.	Rules	Purpose of Test
1.	Explosives Rules, 2008 (Rule 6 of 39)	a) Authorization of new compositions and specification of explosives. b) Subsequent annual test for deciding about deletion or otherwise from list of authorized explosives. c) Testing for Approval of Packages of explosives and Annual Quality Control Testing.
2.	Petroleum Rules, 2002 (Rule 63 and 4)	a) Approval of design of safety fittings of Petroleum tank Lorry. b) Subsequent test for deciding revalidation of manufacturing approval. c) Approval of metal container/ barrels of petroleum.

B. QUALITY CONTROL TESTS

The Testing Station also renders testing services for quality control in the field of products covered under Acts / Rules administered by the organization.

C. UN CLASSIFICATION TESTS

Departmental Testing Station has commissioned the facilities for UN Classification Tests for rendering services to the Explosives Industries to facilitate export of their products at competitive price in international market by way of classifying the explosive product with specially designed packaging as per UN Regulations for transport of dangerous goods.



Products with specially designed packaging are classified to 1.4 with compatibility group B or S, after assessment on evaluating the test results. Director General of Shipping is the competent authority to issue the certificate based on test report and assessment made by Departmental Testing Station. Exporters can ship their products in general cargo ships with 1.4 classification certificate thus saving huge freight than otherwise in explosives cargo ship. Also exporters avail the easy availabilities of these ships which helps them to deliver the consignment in time as availability of explosives cargo ships is limited which delays the shipments.

D. TESTING OF SAMPLES

During the year 2015-16, the following nos. of different samples were tested at Departmental Testing Station.

S No.	DESCRIPTION	QUANTITY (Nos.)
1.	EXPLOSIVES	
	Slurry/Emulsion Class-2	204
	Pentolite Booster Class-3 Div.	11
	Fireworks	338
	Safety Fuse	04
	Gun Powder	02
	Detonators	204
	Detonating Fuse	68
2.	CFB Packages of Explosives	
	Samples for new approval propose	22
	Samples drawn by Circle/Sub- Circle officers	135
3.	Petroleum tank truck safety fittings	63

E. DESTRUCTION OF EXPLOSIVES/ SAMPLE REMNANT DESTROYED

Name	Total Quantity
Class-2 Explosives	1640.68 Kgs.
Gun Powder	1.5 Kgs.
Cast Booster1	.8 Kgs.
Safety Fuse	350 Mtrs.
Detonating Fuse	3397 Mtrs.

F. DESTRUCTION OF UNSERVICEABLE EXPLOSIVES

Class-1	--
Class-2	6425 Kgs
Class-3 Div.2	--
Class-6 Div.1	--
Class-6 Div.2	--
Class-6 Div.3	2,04,000 Nos
Class-7 Div.2	--



G. REVENUE

During the year 2015-16, Departmental Testing Station has earned revenue of **Rs. 86,49,788/-**

Training Programmes Conducted :-

- 1) One day Workshop was conducted on “Safe Handling and Storage of Fireworks During Dipawali Season” at O/o. Dy. CCE, DTS for the dealers, police and revenue officers from the District of Nagpur & Amravati on 09/10/2016 and 12/10/2015.
- 2) Two days workshop were organized at DTS on ERS and ANRS System for Explosives Magazine Licensee for possession and use of explosives on 23/12/2015 with the help of NIC, Nagpur.
- 3) One day training programme was organized on 27/01/2015 for Competent Person & Supervisors working in explosives factories in Nagpur and Wardha District on “Safety Regulation during Manufacture, Storage, Transport and Handling of Explosives.”
- 4) One day training programme was organized on 19/02/2015 for Drivers of Explosives Road Van connected to explosives factories in Nagpur and Wardha District on Safety during Handling & Transportation of Explosives”.
- 5) One day training programme was organized on 22/03/2016 for LPG Tank Lorry Drivers connected to Depots of M/s. HPCL & M/s. BPCL of Nagpur District on “Safe Handling and Transportation Hazardous Petroleum / Products”.

Lectures Delivered :-

- 1) Shri C. Shanmugam, CE delivered lecture to competent persons and Supervisors of Explosives factories in Nagpur & Wardha District on 27/01/2016 on “Safety Regulation during Manufacture, Storage, Transport and Handling of Explosives” at DTS.
- 2) Shri C. Shanmugam, CE delivered lecture to the dealers, police and revenue officers from the District of Nagpur & Amravati on 09/10/2016 and 12/10/2015 on “Safe Handling and Storage of Fireworks During Dipawali Season” at the Workshop conducted at DTS by Dy. CCE.
- 3) Shri A. B. Tamgadge, CE delivered lecture on “Indian Explosives Rules, 2008” at National Civil Defence College, Nagpur on 01/09/2015. Around 100 participants from different Govt. organizations attended the programme.
- 4) Shri A. B. Tamgadge, CE delivered lecture on 09/10/2016 and 12/10/2015 on “Safe Handling and Storage of Fireworks During Dipawali Season” at the Workshop Conducted at DTS by Dy. CCE for the dealers, police and revenue officers from the District of Nagpur & Amravati.
- 5) Shri A. B. Tamgadge, CE delivered lecture on 23/11/2015 on “Testing of Explosives & Safety fittings of Road Tankers and also demonstrated various techniques of Testing of Explosives at DTS, Nagpur for the team of Army Officers, Jabalpur.
- 6) Shri A. B. Tamgadge, CE delivered lecture on 27/01/2016 on “Quality Control of



- Explosives & CFB Boxes, Maintenance of Magazine” at DTS for Competent Person and supervisor working in the Explosives Factories.
- 7) Shri A. B. Tamgadge, CE delivered lecture on 19/02/2016 on “Safety during Handling & Transportation of Explosives” at DTS for Driver of Explosives Van connected to Explosives Factories in Nagpur & Wardha District.
 - 8) Shri A. B. Tamgadge, CE delivered lecture on 22/03/2016 on “Safe Handling & Transportation of Hazardous Petroleum Products” during the training programme conducted by Dy. CCE, DTS, Nagpur for LPG Tank Lorry Drivers connected to Depots of M/s. HPCL and M/s. BPCL of Nagpur District.

Meetings:-

- 1) Shri R.A. Gujar, Dy. Chief Controller of Explosives attended meeting along with CCE & Jt. CCE at DIPP, New Delhi on “Restructuring of PESO” on 24/08/2015.
- 2) Shri A. B. Tamgadge, CE attended the meeting with Jt. Police Commissioner, District Magistrate & Additional District Magistrate, Nagpur in connection with workshop conducted at DTS, Nagpur on 09/10/2015 and 12/10/2015 on “Safe Storage & Handling of Fireworks during Dipawali”.

Seminar:-

Shri R.A. Gujar, Dy. Chief Controller of Explosives attended the seminar at New Delhi on “Regulatory Aspects for Industrial Products in International Trends with Swedish Colaboration” from 10/08/2015 to 12/08/2015



FIREWORKS RESEARCH & DEVELOPMENT CENTER (FRDC) AT SIVAKASI (TN)

5.2 FIREWORKS RESEARCH & DEVELOPMENT CENTER (FRDC)

5.2.1 INTRODUCTION

In compliance to the Hon'ble Supreme Court's directions in its judgment; dated 18.7.2005 in the case of W.P. (Civil No.72 of 1998); PESO had initiated the process in time, on setting up Fireworks Research & Development Center (FRDC) at Sivakasi in the state of Tamil Nadu under Plan schemes.

Creation of civil structure of FRDC was taken up under 10th plan and completed in all respects. The work executed includes purchase of 2.025 Hectares of land, providing compound wall, bore well, water pipelines, light posts, internal roads, construction of main building housing laboratories & allied facilities, etc. Equipping of FRDC and creation of technical and non-technical manpower are proposed under 11th Plan, to make FRDC fully operational.

In pursuant to the directives of the Hon'ble Supreme Court, the various parallel measures taken by PESO and their outcome are as under:

PESO had classified the fireworks into sound emitting crackers and color/ light emitting crackers and revised the authorized list of fireworks items, in compliance to the directives of Apex Court. The same has been published by Department of Industrial Policy and Promotion (DIPP) Ministry of Commerce & Industry, New Delhi; Vide GSR No. 225 dated 06/09/2006 in the Gazette of India, Part-II, Section 3, Sub-section (i). PESO has developed compositions for sound producing firecrackers to be within the limits prescribed by environment norms; with the technical assistance of MEPCO Schlenk Engineering College, Sivakasi (TN). This chemical formulae specify the proportion/composition as well as maximum permissible weight of every chemical used in manufacture of four commonly used sound producing firecrackers viz., (a) Atom Bomb, (b) Chinese Crackers, (c) Maroons & (d) Garland crackers with specific reference to its shape, size, dimensions and confinement, so as to satisfy the requirements laid down under Govt. of India Notification No. GSR 682(E) dated 05/10/99.

The formulae have been given to all fireworks manufactures in India for strict compliance. The same has also been made available in PESO's Website: <http://peso.gov.in> for information of all concerned as well to the public.

5.2.2 FUNCTIONS OF FRDC

The FRDC is entrusted with the following activities:

1. Research & Development of eco friendly fireworks.
2. Testing of raw materials used in the manufacturing of fireworks.
3. Mechanisation of hazardous process in fireworks industry.
4. Testing of general performance and sound level of fireworks.



5. Rendering guidance for development of new products and standardization of general products.
6. Improvement of quality control and quality assurance.
7. Imparting training to supervisors and workers of fireworks factories.
8. Investigation of accidents.

5.2.3 TESTING OF SAMPLES & REVENUE GENERATION

The number of samples of fireworks tested during the year the last five years are as follows;

Sr.No.	Year	No. of Samples collected	Revenue Received (In rupees)
1	2011-2012	674	1,02,600.00
2	2012-2013	831	1,66,200.00
3	2013-2014	1701	3,40,200.00
4	2014-2015	2121	5,77,800.00
5	2015-2016	1477	4,00,050.00





e-GOVERNANCE

e-governance in present world of Information Technology is the utmost requirement of the stakeholders to get hassle free quick quality services. Petroleum and Explosives Safety Organisation (PESO) has made extraordinary progress in the field of e-Governance and providing quality services to the stakeholders with a motto to provide better and uninterrupted e-services to its stakeholders who are directly or indirectly involved with PESO. The organisation is continuously making efforts for addition of its maximum services/activities under e-Governance programme. Following facilities have been provided under e-governance programme:

Initiatives taken by PESO for Ease of Doing Business

Explosives Return System:

Implementation of Online Explosives Returns System (ERS) for monitoring the transaction of explosives (ERS) enables all the licence holders under Explosives Rules, 2008 to carry out their transactions viz. manufacturing, sale, use, transport, export, import and destruction using the online portal of PESO on day-to-day basis. The indent for purchase of explosives, transport passes and other returns as required under Explosives Rules, 2008 are generated by the respective licensee through the PESO's online ERS portal. ERS system has in-built facilities of generating SMS alerts and messages to every consignor and consignee against every transaction. During online transaction of explosives, the ERS system validates the storage capacity of the respective explosives magazines of the consignor and consignee and validity of their licences as well. This system facilitates the stakeholders to carry out their transactions in line with the statutory requirements and various returns are automatically generated and submitted online to the respective licensing authority.

Further, ERS also gives interface to all the DMs & SPs to monitor explosives transactions emerging, destined and crossing their respective districts. The said interface is also made available to MHA & DIPP. With the help of ERS, the data on date-wise, product-wise & factory-wise manufacturing of explosives can be monitored and the stock of every explosives magazine in the country is monitored, on real time basis. ERS has not only replaced the cumbersome process of maintaining explosives transactions records manually and submitting returns to the various authorities by the licensees but also has the provision for online scrutiny of returns by PESO.

With respect to transaction of Ammonium Nitrate under Ammonium Nitrate Rules, 2012, PESO has also developed a similar system namely online Ammonium Nitrate Return System (ANRS).

Integration with e-Nivesh Portal of Prime Minister office:

The various online licensing modules of PESO have been integrated with the central e-Nivesh Portal for monitoring the disposal of applications within the time frame thereby benefitting the stakeholders.



Introduction of e-filing and online fee payment facilities under Petroleum Rules, 2002 & Gas Cylinders Rules, 2004 to the stakeholders.

Recently PESO has developed the facilities for online submission of various applications alongwith e-payment facilities under Petroleum Rules, 2002 & Gas Cylinders Rules, 2004. PESO's modules are under integration with the portal of Central Bank of India for e-payment facilities. Replacement of manual submission of application by the online facility and e-payment facility will save the time, expenditure and personal interface of stakeholders. Development of e-facilities for renewal of various licences by the stakeholders themselves through the online auto renewal process is also in progress. This facility is unique in nature, as the system will enable the licensee to renew his licence on his own, immediately after submitting his online application along with the requisite renewal fee through e-payment. Initially this auto renewal facility will cover about 1.5 lakh numbers of licensed premises under Petroleum Rules, 2002 & Gas Cylinders Rules, 2004. It is expected that said facilities will be available in the second quarter of the year 2016.

Online generation and tracking of tank test and safety certificates:

Under SMPV (U) Rules, 1981 and Petroleum Rules, 2002 facilities have been incorporated in the existing modules for the competent persons to generate tank test and safety certificates by the competent persons. The existing competent persons are getting registered online and submit all the requisite documents. Their credentials are validated by the internal system and after that they are able to generate the 'competent third party' certificates for licensed premises through this system. This initiative has streamlined the generation of certificates by competent persons to a great extent. The generated certificates also gets linked to respective license file at the time of processing of applications. During processing, officers can view certificates issued by the competent person online and can also verify genuineness of the certificate. This facility has totally eliminated scope of forgery in the certification process.

Upgraded licence modules with added facilities:

New facilities in the existing modules have been added for easy and hassle free access of on line information about the organization and various activities under different rules administered by the organization.

The modules for online submission of different returns under Ammonium Nitrate Rules, 2012 have been developed and launched. The modules for on- line issue of Gas Free certificates and submission of on line e-applications under Gas Cylinder Rules have been developed and launched.

e-Biz Portal

The existing explosives licensing module has been integrated with e-Biz portal of Department of Industrial Policy & Promotion (DIPP), Ministry of Industry & Commerce for submission of online application for various activities under Explosives Rules and e- payment through e-Biz portal.

The following proposals are in pipeline under e-governance programme and organisation is actively working to implement at the earliest possible;



On line tracking of explosives

In order to control the misuse of explosives the organization in association with National Informatics Centre (NIC) is continuously working towards the real time online tracking and tracing system of explosives from manufacturer level to end user. The organisation has chalked out a programme for tracking and tracing of explosives for trial. The PESO has conducted successful Proof of Concept (POC) and is in the advance stage of development of the System for Explosives Tracking and Tracing (SETT). Deliberations with stakeholders are going on to develop the facilities if the manufacturing unit for providing barcode on the packed explosives.

Provision of tracking of explosives vans

The provision of putting GPRS system in the explosives vans to track the position of vans at any point of time, deviation from the assigned route and delivery of the explosives to the assigned location is under developmental stage.

Accomplished Activities

All the PESO offices have been brought under Exponet Network upgraded leased line speed up to 2 Mbps for five circle offices with fall back arrangement has been provided. Similarly for 18 Sub-Circle offices, the leased line speed has been enhanced to 512 Kbps.

DTS, Gondkhairy, Nagpur and FRDC Sivakasi have also been provided with 512 Kbps leased line connectivity.

All explosives manufacturers are submitting their daily manufacturing details on day to day basis online. There is an achievement of 100% in respect of submission of RE-7 online by all manufacturers. Over 95% of licensees of LE-3 (possession for sale and use of explosives) have registered for submission of RE-7 (return of explosives) online and submitting their quarterly explosives return i.e. RE-7 using the PESO's online system. Online Ammonium Nitrate return system has been developed and launched for the stakeholders.

In order to further strengthen the process of monitoring the transactions of explosives, the PESO started online generation of RE-12 (for sale & transport of explosive) facility for all manufacturers and dealers. All manufacturers and most of dealers are generating RE-12 online. This has facilitated them in preparation of their RE-7 (quarterly returns) with respect to sale entries.

To facilitate better response to internal offices and also to accommodate RE-7 data being received in bulk through online facility, internal storage has been enhanced to 2 Tera byte. New RACK servers with SAN storage have been put into use for better functioning of the existing software.

Upgrading of existing Internet gateway from 4 Mbps shared to 10 Mbps dedicated throughout for effective implementation of online submission of Form RE-7 and Form RE-12 has been planned in immediate future.

PESO has upgraded the central server and server facilities have been shifted to a dedicated building equipped with all required facilities for uninterrupted high speed network and data storage.

Video Conferencing systems have been installed and put into use for five Circle offices and Head Office at Nagpur.



**MEETINGS, SEMINARS, LECTURES, TRAINING PROGRAMMES OF THE CHIEF CONTROLLER OF EXPLOSIVES****MEETINGS**

1. On 18.4.2015 visited South Jetty of Paradip Refinery from where receipt of crude oil through ship tankers as well as evacuation of finished products proposed to be handled.
2. On 21.5.2016 attended meeting of Hindi Salahakar Samiti of DIPP chaired by Hon'ble Minister Smt. Nirmala Sitarman.
3. On 24.6.2015 attended meeting with Oil Industry, Petroleum Dealers Association and Legal Metrology Department, Govt. of Maharashtra at Mumbai.
4. On 9.7.2015 attended Sub-ordinate Parliament Committee on Legislation.
5. On 30.7.2015 attended the meeting on assessment of the availability of explosives.
6. On 31.7.2015 assisted Jt. Sec. (Exp) in disposing of appeal under Explosives Act filed by M/s. Jayaruby Fireworks.
7. On 4.8.2015 attended meeting on Drafting of a National Counter IED Policy at MHA.
8. On 20.8.2015 attended meeting called by Additional Secretary (LWE) MHA on back tracking of explosives at MHA, New Delhi.
9. On 24.8.2015 gave presentation to SIPP on Augmentation of Manpower of PESO.
10. On 2.9.2015 attended 78th Meeting of Storage and Transport of Explosives at DRFO, New-Delhi.
11. On 8.10.2015 attended meeting of BIS Sectional Committee MED:16.
12. On 16.12.2015 accompanied Secretary, DIPP in a meeting on Establishment of Petroleum & Natural Gas Industry Safety Board with Hon'ble Minister of State, Ministry of Petroleum & Natural Gas.
13. On 5.1.2016 attended meeting of Parliament Committee on Subordinate Legislation, Rajya Sabha.
14. On 10.3.2016 chaired BIS Committee on CHD: 26 at New-Delhi.
15. On 13.3.2016 attended 32nd Safety Council Meeting at MoPNG.
16. On 31.3.2016 attended meeting on Department related Parliamentary Standing Committee on Commerce- Examination and Demands for Grants in Parliament House.

WORKSHOPS/SEMINARS

1. On 23.9.2015 participated in the Seminar on Gas Cylinders organized by Asia Industrial Gas Association.
2. On 3.9.2015 participated in Seminar on 'Safety in Fireworks' organized jointly by BIS and PESO.
3. On 7.12.2015 participated in the 4th International Hydrogen and Fuel Cell Conference organized by Hydrogen Association of India and chaired the technical session.
4. On 9.1.2015 attended National CGD Stake Holders Conference.
5. On 15.1.2016 participated in the Awareness Programme for Explosives Return System.



6. On 31.1.2016 participated in Consortium of Indian Petroleum Dealers National Conference at Vijayawada.
7. On 10.2.2016 delivered a talk on Control Regime against IED Precursor materials in the 16th International Seminar at National Bomb Data Centre (NSG) at Manesar, Gurgaon.
8. On 5.3.2016 attended Workshop in Operational Excellence in Oil & Gas – OPEX 2016 organised by Indian Institute of Plant Engineers in technical collaboration with PESO and chaired technical session.
9. On 16.10.2015 visited Manufacturing and testing facilities of M/s. Hexagon Lincoln Ltd., at Washington.

VISITS, MEETINGS, LECTURES, SEMINARS AND TRAINING PROGRAMMES OF THE OTHER OFFICERS OF THE ORGANIZATION

SOUTH CIRCLE-CHENNAI

VISITS

1. Dr.A.K.Yadav, Jt.Chief Controller of Explosives, South Circle Chennai visited office of Dy.Chief Controller of Explosives, Hyderabad on 4/3/2016. He scrutinized endorsement and inspection register, visitor's book. During his visit Dr.Yadav advised the Dy.Chief Controller of Explosives to forward all necessary documents for purchase of conference table and chairs for modernization of office.
2. Dr. A K Yadav, Jt. Chief Controller of Explosives, South Circle Chennai visited Hyderabad office on 18th to 19th March 2016 and inaugurated the plantation programme in the office campus on 18/03/2016.
3. Dr. R K Rathore, Dy. CCE & Abdul Muttalib, CE interacted with various state and central Govt. offices to educate the official in order to encourage about safety provisions required in the interest of public safety.

MEETINGS

1. Dr.A.K.Yadav, Jt. CCE., Chennai attended Petroleum Dealer's Meeting at Vijayawada on 31/01/2016.
2. Dr. Anuj Kumar, CE. Chennai attended the Meeting of Town Official language Implementation Committee on 06/05/2015 at Chennai.
3. Quarterly meeting was held in the O/o Jt. CCE., South Circle, Chennai with the Heads of all the Sub Circle offices on 18.1.2016.
4. Sri G. Kumaraswamy, CE & Sri S. Satyanarayana, Steno III, O/o DYCCCE, Mangalore attended 58th Half Yearly TOLIC Meeting on 28.05.2015 at the Corporation Bank Headquarters, Mangalore.
5. Sri G. Kumaraswamy, CE, Mangalore attended a Meeting called by the Food Commissioner, Govt. of Karnataka, Bangalore on 04.08.2015 in connection with the unauthorized supply of HSD in tankers in Bangalore City.



6. Sri S.G.Kadam, Controller of Explosives, Hyderabad attended meeting conveyed by the Additional Solicitor General, South Circle on 19/06/2015 on Court cases pending with the office.
7. The Dy.Chief Controller of Explosives, Hyderabad convened a meeting on 17/02/2016 with the Form XIV/ XV/ XVI Licence holders under Petroleum Rules, 2002, Form F Licence holders under Gas Cylinder Rules, 2004 & Form III Licence holders under SMPV(U) Rules, 1981 in the State of Telangana.
8. The Dy. Chief Controller of Explosives, Hyderabad convened a meeting with a team of senior officials of M/s.GAIL India Limited on 7/9/2015 in the O/o.Dy.Chief Controller of Explosives, Secunderabad with regard to pipeline accident that occurred on 5/4/2015.
9. Sri R.Venugopal, Dy.CCE, Hyderabad attended Quarterly meeting at the O/o.Jt.Chief Controller of Explosives, South Circle, Chennai on 18/1/2016.
10. Sri R.Venugopal, Dy.CCE, Hyderabad and Dr.G.K.Pandey, Controller of Explosives, Hyderabad attended a meeting on 21/01/2016 at Kavadiyuda organized by M/s.Indian Bureau of Mines and Remote Sensing Centre, Hyderabad regarding monitoring of mining activity in the State of Telangana through satellite.
11. In July 2015, Shri K. Thiagrajan, CE, Suivakasi attended the IS meeting at Nagpur along with officials of PESO regarding standardisation of fireworks.
12. On 18/01/2016, Deputy Chief Controller of Explosives, Nagpur attended the quarterly meeting in the O/o Chief Controller of Explosives, South Circle, Chennai.
13. On 10/03/2016, Dr. Vivek Kumar, CE, FRDC attended 20th meeting of Explosives and Pyrotechnic Sectional Committee CHD 26, conducted by BIS under the chairmanship of the Chief Controller of Explosives, at Indian Standard Manak Bhavan, New Delhi.
14. Shri.S.M.Kulkarni, CE, Ernakulam attended a meeting on 19/08/2015 at Naval Armament Department at Kochi.
15. Shri.S.M.Kulkarni, CE, Ernakulam along with Shri.D.K.Gupta, DCCE, Nagpur attended a PNGRB meeting at LNG terminal Kochi on 26/02/2016.

LECTURES

1. Mr. M .K. Pandey, Controller of Explosives, Chennai gave lecture on Aviation Refresher Course conducted by M/s. Indian Oil Corporation Limited, Southern Region regarding Petroleum Rules on 09.10.2015.
2. Sri R. Venugopal, Dy.Chief Controller of Explosives, Hyderabad delivered lecture on the 'Design of Pressure Vessels' and on 'Gas Cylinder Rules, 2004' at the two day workshop on 4/12/2015
3. Shri T.O.Sasi, DCCE, Ernakulam delivered a lecture on 28/07/2015 to 'fire and rescue' officers at Ernakulam on various aspects relating to Explosives Rules 2008.

SEMINARS/WORKSOP

1. Dr.A.K.Yadav, Jt.CCE., Chennai along with Shri M.K. Pandey, CE attended one day workshop on 21.11.2015 at Vellore regarding Online Explosives Returns and delivered a lecture on Improvised Safety Measures for High Explosives.



2. Dr.A.K.Yadav, Jt. CCE., Chennai attended the seminar on 19/02/2016 arranged by TANFAMA and TIFMA Sivakasi on “Make in India” at JA Bose Kalyana Mandapan, Sivakasi.
3. Dr.A.K.Yadav, Jt. CCE., Chennai attended the Aviation Conference conducted by M/s. Indian Oil Corporation Limited at Kochi on 25/02/2016.
4. Dr.A.K.Yadav, Jt. Chief Controller of Explosives, Chennai attended the workshop organized by Indian Institute of Plant Engineers on “Operational Excellence in Petroleum and Gas-Opex 2016 on 4th and 5th March 2016.
5. The officers of Hyderabad office attended 2 court cases during the period under report for tendering evidence with respect to the police exhibit cases handled by them.
6. A two day workshop on 4/3/2016 and 5/3/2016 on “Operational Excellence in Oil and Gas – Opex-2016” was conducted by the O/o.Dy.Chief Controller of Explosives, Hyderabad at Hyderabad Marriott Hotel and Convention Centre, Hyderabad. The theme of the workshop was Safety 24 X 7. The workshop was inaugurated by Dr.S.Kamal, Chief Controller of Explosives and was presided over by Dr.A.K.Yadav, Jt.Chief Controller of Explosives, South Circle Chennai. The workshop was attended by 302 delegates. 26 Technical papers were presented along with 4 key note addresses. Four papers were presented by the officers of the Dy.Chief Controller of Explosives, Hyderabad. The Chief Controller of Explosives, Dr.S.Kamal chaired the first technical session on “Petroleum Installations and Depots” and Dr.A.K.Yadav, Jt.Chief Controller of Explosives chaired the second Technical Session on “Safety in LPG Operations”. Sri R.Venugopal, Dy.Chief Controller of Explosives, Hyderabad was the Chairman of Technical Committee of Opex-2016.
7. Induction training programmes for the new foreman certificate holders issued by PESO were conducted by O/o Dy. CCE, SIVAKASI in a periodical interval regularly.
8. Regular meetings with the industrial members had been held in the O/o Dy. CCE, SIVAKASI at periodical levels for standardization of fireworks and road map to fireworks industry more particularly the industrial members were advised to devise code of practice for various topics right from the ingredient storage facility to finished fireworks items. In this regard, 7 committees were formed for the individual topics by appointing convener and members for the said committees.
9. On 03/10/2015 O/o Dy. CCE, SIVAKASI conducted a seminar on Safety in Fireworks with Bureau of Indian Standards. The Chief Controller of Explosives, Nagpur, the Joint Chief Controller of Explosives, South Circle, Chennai participated in the seminar.
10. On 19/02/2016, The Chief Controller of Explosives, Nagpur, The Joint Chief Controller of Explosives, South Circle Chennai, attended a seminar on 'Make in India’ jointly conducted by the Tanfama and Tifma under the chairmanship of the Hon'ble Minister of State, Ministry of Commerce & Industry at Sivakasi, Tamilnadu.
11. Shri.S.M.Kulkarni, CE, Ernakulam made presentations on 'Fire and Safety aspect' at the institute of Management Kerala on 20/10/2015 and 30/10/2015.
12. Shri.S.M.Kulkarni, CE, Ernakulam attended an aviation conference conducted by IOCL at Kochi on 25/02/2016
13. Five days training programme was held from 01.02.2016 to 05.02.2016 for Shri Vijay



- Kumar, Dy.CE-FRDC & Shri Bhupendra Singh Dy. CE Chennai by Dr. T. L. Thanulingam, Controller of Explosives Vellore.
14. A district level; awareness programme on fireworks was conducted on 27.07,2015 at the Collector Office, Vellore.
 15. An awareness programme on Gas Cylinders Rules, 2004 for Indane distributors of Salem, Dharmapuri & Krishnagiri districts was conducted on 06.08.2015 at Salem with the Coordination of IOCL LPG Bottling Plant, Salem.
 16. Mr. A J Sonbarse, Dy. CE and Mr. S.N. Das Assistant attended the account related training programme organized by PAO, Nagpur.

OTHER ACTIVITIES

1. Hindi week was celebrated from 07/09/2015 to 14/09/2015 in Chennai office. Competitions were organized for the staff members and cash prizes were distributed to the winners.
2. The Vigilance Awareness Week-2015 was observed in Chennai office from 26.10.2015 to 31.10.2015 .DR.A.K.YADAV, Jt.CCE advised all the officers and staff members to be vigilant in their respective areas of work and dispose of their work promptly without any scope for a complaint.
3. Dr.A.K.Yadav, Jt.CCE., Chennai appointed by the Government of India, Ministry of Comamy, CE attended Hon'ble Asst. Sessions Court Periyakulam, Tamilnadu in connection with S.C. No.136/2011 & 03/13 and tendered evidence.
4. Sri G. Kumaraswamy, CE attended Hon'ble Asst. Sessions Court Periyakulam, Tamilnadu on 23.12.2015 for tendering evidence in SC. No.136/2011 & 03/13.
5. Smt. A. Khalwadekar, DCCE appeared before the Hon'ble Justice Raghavendra Chauhan, in the High Court of Karnataka, at Bangalore on 03.02.2016 in connection with W.P.No.22403/2015.
6. Mr. A.J. Sonbarse, Dy. CE and Mr. S.N. Das Assistant attended the account related training programme organized by PAO, Nagpur.

WEST CIRCLE, MUMBAI

MEETINGS

1. Shri S.K. Shukla, DY.C.C.E. attended a meeting at The O/o. Chief Controller of Explosives, Nagpur on 30/06/2015.
2. Shri Ninad Gawde, Dy.C.E. attended meeting in the chamber of the Collector, Kolhapur on 16/09/2015 in respect of local issues including alleged pollution due to chemical stored by M/s. AVH Chemicals.
3. Shri. Vinod Kumar, Dy.CCE., Vadodara attended Hindi TOLIC meeting at Vadodara on 10.12.15. He presented the annual activities occurred in their office which was highly appreciated by the authorities of the TOLIC.



4. Shri T.O. Sasi, Jt.C.C.E. and Shri Basudev Basak, C.E. attended meeting held at The C.C.E., Nagpur on 08/01/2016 in connection with the certain policy matters of the P.E.S.O.
5. Shri A.K. Yadav, C.E., Vadodara attended meeting with State Government officials on "Disaster Management" organised by Institute of Disaster Management, Gandhinagar on 01.02.16.

LECTURES

1. Shri S.K. Shukla, DY.C.C.E. In-charge of West Circle, Mumbai delivered a lecture to M/s. Hindustan Petroleum Corporation Ltd. officers at their management development institute at Pune on 04/07/2015.
2. Shri S.D. Mishra, Dy. C.E. delivered a lecture on "Safe Handling of Explosives" at ONGC Vadodara on 12/09/2015.
3. Shri P. K. Rana, CE delivered a lecture on "Safe Handling of Explosives" to Police Officers of Bangladesh at Gujarat Forensic Science University, Gandhinagar on 17/12/2015.
4. Shri. A.K. Yadav, C.E., Vadodara delivered lecture on "Petroleum Rules, 2002 / SMPV (U) Rules 1981 to the officers of the Heavy Water Plant, Vadodara on 02.11.15.
5. Shri A.K. Srivastava, CE delivered a lecture on 'Handling, Storage & Transportation of Explosives' at Institute of Petroleum of ONGC at Goa on 15/01/2016.

WORKSHOP/SEMINARS

1. Shri A.K. Srivastava, CE, Mumbai attended seminar in M/s. Mahanagar Gas Ltd., Mumbai on 22/04/2015 regarding CNG Cylinder Testing Station
2. Shri H.K. Sharma, CE & Shri S.S. Nandanwar, LDC attended one day training at HQ, Nagpur on "Implementation of PFMS for Non Plan Payments In PESO on 01/07/2015.
3. Dr. D.L. Kamble, DCE & Shri Sanjay Ninawe, Accountant attended training programme on Pay Fixation on ACP/MACP from 11/01/2016 to 13/01/2016 at Mumbai
4. Shri S.K. Shukla, Dy.C.C.E. attended a seminar on Industrial Safety organized by Gas Manufacturing Society on 21/08/2015 at Khandala, Distt. Pune. He has also delivered a lecture on 'Bio Gas licensing for Filling & Storage'.



NORTH CIRCLE, FARIDABAD

VISITS

1. Dr. S. Kamal, Chief Controller of Explosives, Nagpur along with Shri N.T. Shahu, Jt. Chief Controller of Explosives, Nagpur and Shri Ashendra Singh, Controller of Explosives, Nagpur visited Chandigarh Office on 09.10.2015.
2. Dr. Sanjana Sharma, Dy. CCE, Chandigarh and Shri Ajai Singh, Controller of Explosives, Chandigarh visited Assistant Solicitor General, Punjab and Haryana High Court, Chandigarh on 02.09.2015 regarding filing of application for stay against office building eviction order of the Hon'ble Court.
3. Dr. Sanjana Sharma, Dy. CCE, Chandigarh visited the office of Municipal Corporation, Sector 17, Chandigarh regarding allotment of office space on 16.09.2015.
4. Dr. Sanjana Sharma, Dy. Chief Controller of Explosives, Chandigarh visited the Police Station, Sector 17, Chandigarh on 13.10.2015 in the complaint case filed by Shri Daljeet Singh of Mohali in connection with forged certificates issued by competent person under Petroleum Rules, 2002.

Meetings

1. Dr. Anoop Kumar, Jt.CCE attended "EI and LP Panel "meeting at STEC Timarpur on 21/04/2015, New Delhi.
2. Dr. Anoop Kumar, Jt.CCE attended "Quantity Distance panel" meeting at STEC Timarpur on 12/05/2015, New Delhi
3. Dr. Anoop Kumar, Jt.CCE attended meeting at Nagpur for discussion on official matters and other related issues on 30/06/2015.
4. Dr. S.K.Singh, CE, attended meeting called by Addl. Sec.(LWE),MHA regarding back tracking of explosives on 20/08/2015
5. Dr. S. K. Singh, CE accompanied Dr. S. Kamal, CCE in a meeting held on 24/08/2015 with Secretary ministry of Commerce and Industry regarding Augmentation of Man power of PESO
6. Sh. R.P.Singh Jt.CCE, Sh. Mridul Manohar Dr. B.Singh, Dr.S.K.Singh.CE and Dr. M.K.Samota, Dr. A.P.Singh and Sh. R.K.Mandloi Dy.CE, attended workshop on 12/09/2015 at Vigyan Bhawan, New Delhi on regarding citizen centric Governance
7. Dr. S.K.Singh., CE attended meeting called by Additional Sec. PMG, Cabinet Secretariat regarding Strategic plan for digitization of clearance relating to various Ministries/Deptts on 17/09/2015
8. Sh. M.Manohar CE & Sh. R.K.Mandloi, Dy.CE attended meeting with DRI officials at Delhi regarding-fireworks seized by Customs authorities at New Delhi on 21/09/2015
9. Dr.,B.Singh, CE attended Meeting called by DM East Delhi at Shastri Nagar New Delhi of crisis group on 07/10/2015



10. Dr. S.K.Singh, CE attended meeting under the Chairmanship of Jt.Secretary, (J&K), Ministry of Home Affairs regarding repealing of J&K (Extension of Laws) Act, 1956 held on 10/12/2015 in North Block, New Delhi.
11. Quaterly meeting was held under chairmanship of JtCCE in O/O JtCCE, NC Faridabad on 18/12/2015 regarding office functioning and related issues the meeting was attended by DyCCE Jaipur and Chandigarh.
12. Dr. S.K.Singh, CE attended meeting under the chairmanship of Jt. Secretary , MoP&NG held on 21/12/2015 at Shastri Bhawan, New Delhi regarding opening of CNG stations in existing petrol pumps in Delhi/NCR.
13. Hindi meeting was called in the O/o Jt.CCE Faridabad on 29/12/2015.
14. Sh. R.P. Singh, Jt. CCE and Dr. S.K. Singh CE attended a meeting regarding amendment of Rules held at Nagpur on 8/1/2016
15. Dr. S.K. Singh CE attended Meeting called by Smt. Nirmala Sitharaman Minister of State (Independent Charge) for the Ministry of Commerce & Industry regarding 03/02/2016 related with M/s Star CNG Testing Station at Delhi
16. Dr. S. Kamal, CCE and Dr. S.K. Singh, CE attended the meeting called by member secretary on composition of "Alert Panel" for review of standards at Bureau of Indian Standard, New Delhi on 03/03/2016.
17. A "Coordination Meeting" with the Oil Marketing Companies in Rajasthan was organized by PESO Jaipur on 15th Jan 2016 at Hotel Hilton, chaired by Dr.Sudarshan Kamal, Chief Controller of Explosives. Dr. S. K. Singh, CE attended the meeting
18. Dr. Sanjana Sharma, Dy.CCE, Chandigarh and Shri Ajai Singh, CE/Hindi Officer attended a Hindi Rajbhasha Meeting held at Kisan Bhawan, Sector 35, Chandigarh organized by Nagar Rajbhasha Karyanwayan Samiti (NARKAS), Chandigarh on 10.06.2015.
19. Dr. Sanjana Sharma, Dy.CCE, Chandigarh and Shri Ajai Singh, Controller of Explosives, Chandigarh met with the Chief Architech, CPWD, Sector 9, Chandigarh on 08.09.2015 regarding area calculation for office building as desired by Estate Office, U.T. Chandigarh for allotment of land for office in Chandigarh.
20. Dr. Sanjana Sharma, Dy.CCE, Chandigarh met with the Administrator, HUDA, Panchkula on 30.09.2015 regarding availability of office accommodation in Panchkula.
21. Dr. Sanjana Sharma, Dy. Chief Controller of Explosives, Chandigarh attended a quarterly meeting in the office of Jt. Chief Controller of Explosives, North Circle, Faridabad on 18.12.2015.
22. Shri Ajai Singh, CE, Chandigarh attended a meeting in the office of Jt. Chief Controller of Explosives, North Circle, Faridabad on 17.07.2015.
23. Shri Gagan Aggarwal, Dy. Controller of Explosives/ Hindi Officer of this office attended a Hindi meeting held by NARAKAS at Kisan Bhawan, Sector 35, Chandigarh on 19.11.2015.
24. Shri Manmeet Singh Manhas, Dy. Controller of Explosives, Chandigarh attended a Hindi Puskar Vitran Samaroh at GNDU, Amritsar on 17.10.2015

**LECTURES**

1. Dr. Sanjana Sharma, Dy. Chief Controller of Explosives, Chandigarh delivered lecture to the officials of this office on Public Records Act regarding retention periods of various office records on 03.08.2015.
2. Dr. Sanjana Sharma, Dy. Chief Controller of Explosives, Chandigarh delivered a lecture on theme of Vigilance Awareness Week on “Preventive Vigilance as a tool of Good Governance” to the officials of office of Dy. Chief Controller of Explosives, Chandigarh on 29.10.2015.
3. Shri Ajai Singh, Controller of Explosives, Chandigarh delivered lecture to the students at Jammu with Div. Manager (LPG), M/s HPCL, Jammu on “Conservation of LPG and Safety” on 22.01.2016
4. Dr. A.P. Singh, Dy.Chief Controller of Explosives, Jaipur presented a detailed power point presentation on "Safe storage, handling and sale of fireworks" in workshop on " Safety in Manufacturing, Storage & Sale of Fireworks" on 04.10.2015 .
5. Dr. (Mrs.) R.R. Gupta, Controller of Explosives, PESO, Jaipur gave a overview of the safety aspect in the handling of fireworks in workshop on " Safety in Manufacturing, Storage & Sale of Fireworks" on 04.10.2015 .
6. Mr. Rajendra Rawat, Controller of Explosives, PESO,Jaipur delivered a lecture on the primary safety measure to be adopted for prevention of any untoward accident in fireworks shop in workshop on " Safety in Manufacturing, Storage & Sale of Fireworks" on 04.10.2015 .
- 4 Sh. Nitin Goyal, Dy. Controller of Explosives, PESO, Jaipur delivered a power point presentation on the general public safety while handling the fireworks during use /display for prevention of accident in workshop on " Safety in Manufacturing, Storage & Sale of Fireworks" on 04.10.2015
- 5 Dr. AP Singh, Dy. Chief Controller of Explosives, Jaipur delivered a lecture on “Safety in storage of Petroleum Oils” in MNIT, Jaipur on 05th Dec 2015
- 6 Dr. S. Kamal, CCE, delivered a lecture on the “Safety aspects and importance of SoP (Standard operating procedures) at every level of operations in Petroleum Depots, LPG filling plants and Retail Outlets “ in Coordination Meeting of PESO with Oil Marketing Companies on 15.01.2016
- 7 Shri R.P Singh, Jt. Chief Controller of Explosives, North Circle Faridabad shared his experience with oil industries in Coordination Meeting of PESO with Oil Marketing Companies on 15.01.2016.
- 8 Dr. A. P. Singh, Dy.Chief Controller of Explosives,Jaipur addressed the gathering on issues related with licensing, new proposals and new trends of safety and storage infrastructures being developed globally in Coordination Meeting of PESO with Oil Marketing Companies on 15.01.2016
- 9 Shri Suryakant Dhoke, Technical Director, NIC presented on online-submission of application and demonstrated various facilities available for oil companies in PESO's e-Governance initiative keeping in view the Digital India program in Coordination Meeting of PESO with Oil Marketing Companies on 15.01.2016.



- 10 Dr. Sudharshan Kamal, Chief Controller of Explosives, delivered a lecture on safety measures to be adopted during manufacturing, transportation, storage and use of explosives in the “One day workshop on Explosives Return System – ERS and Ammonium Nitrate Return System, Organised by Dy.CCE office of PESO, Jaipur and Association of Dealers and Users of Explosives in the state of Rajasthan” on 16.01.2016
- 11 Shri R.P. Singh, Jt. Chief Controller of Explosives also exhorted all the participants to follow laid down procedures in handling of explosives for safety of one and all in the “One day workshop on Explosives Return System – ERS and Ammonium Nitrate Return System, Organised by Dy.CCE office of PESO, Jaipur and Association of Dealers and Users of Explosives in the state of Rajasthan” on 16.01.2016
- 12 Dr. A.P. Singh, Dy. Chief Controller of Explosives informed the gathering about that in case of unorganized sector, users of explosives will have to follow the rules regarding transportation of explosives and detonators in separate Explosive Van.
- 13 Shri Suryakant Dhoke, Technical Director gave an elaborated presentation regarding using the ERS- Explosives Return System and ANRS – Ammonium Nitrate Return System, by manufacturers, dealers and users of explosives and ammonium nitrate license holders in the “One day workshop on Explosives Return System – ERS and Ammonium Nitrate Return System, Organised by Dy.CCE office of PESO, Jaipur and Association of Dealers and Users of Explosives in the state of Rajasthan” on 16.01.2016

Work Shops/ Seminars/ Training/ Fire Drills

1. A workshop on " **Safety in Manufacturing, Storage & Sale of Fireworks**" was organized by PESO Jaipur on 04.10.2015 with Rajasthan Fireworks dealers Association at Hotel Royal Orchid, Jaipur. The workshop was attended by around 70 fireworks dealers and manufacturers
2. An **Emergency Response Drill** conducted by M/s Indian Oil Corpn. Ltd., LPG Bottling Plant Jaipur on 28.10.2015 & was addressed by Dr.(Mrs.) R.R. Gupta, Controller of Explosives, Jaipur to witness the preparedness during Emergency.
3. A one day workshop on “**Explosives Return System – ERS and Ammonium Nitrate Return System**”, was jointly organised by Dy.CCE office of PESO, Jaipur and Association of Dealers and Users of Explosives in the state of Rajasthan on 16.01.2016 at OTS Centre, Nehru Marg, Jaipur in the Chairmanship of Dr A P Singh, Deputy Chief Controller of Explosives PESO,Jaipur.

CENTRAL CIRCLE, AGRA

MEETINGS

1. Quarterly meeting of Sub-Circle Offices was organized on 29.04.2015 and 30.04.2015. Sub-Circle Heads and all the officers of Agra office attended the meeting.
2. Dr. M.I.Z.Ansari, CE, delivered a talk on “E-mail Policy of Govt. of India” in the Quarterly Meeting organized on 29.04.2015.
3. Dr.A.K.Yadav, Dy.CCE, Smt. V.S.Bardeo, Dy.CE, Sh. Nishant Mridul, Dy.CE and Sh. Pravesh Kumar, Dy.CE and Sh. K.P.Singh, Dy.CE attended a meeting with the officers of



- Custom Department, Dadri on 16.06.2015 regarding destruction of imported fireworks.
4. Sh. K.L.Silawat, Dy.CCE and Dr.K.Pandey, CE participated in a meeting at Nagpur office on 08.01.2016 regarding discussion on draft SMPV(U) Rules 2015.
 5. Shri M.K.Jhala, Dy.CCE attended a workshop on “Safe Handling of Chlorine in Cylinder/Tonner at Consumer End” on 20.04.2015 organised by M/s Grasim Industries & M/s Dalal & Dalal Co. at Indore. More than 15 Stakeholders were present and undersigned delivered a lecture.
 6. Shri Janardan Kumar, CE attended meeting on “Marketing Committee” organised by Madhya Pradesh Laghu Udhog Nigam Ltd., Raw material Department, Bhopal on 09.06.2015.
 7. Shri Janardan Kumar, CE attended Central Information Commission, New Delhi for evidence on 10.07.2015.
 8. Shri M.K.Jhala, Dy.CCE & Dr.M.I.Z. Ansari, CE, Agra attended meeting on 14.09.2015 organized by Chief Secretary at Vallabh Bhawan, Bhopal regarding Patlawad accident case.
 9. Shri M.K.Jhala, Dy.CCE attended meeting on 22.09.2015 organized by Deputy Secretary, M.P.Govt. Food, Civil Consumer Co-operative Conservation Department, Bhopal.
 10. Shri M.K.Jhala, Dy.CCE attended meeting on 23.09.2015 organized by Collector, Bhopal regarding LPG godowns and fireworks.
 11. Shri M.K.Jhala, Dy.CCE and Shri Janardan Kumar, CE attended meeting on 30.09.2015 organized by Inspector of General, Bhopal.
 12. Shri M.K.Jhala, Dy.CCE and Shri Janardan Kumar, CE attended meeting on 09.10.2015 organized by Collector, Bhopal regarding fireworks.
 13. Shri M.K.Jhala, Dy.CCE attended meeting on 20.11.2015 to Shri Vijay Shah, Food Supply Minister, at Secretariat, Vallabh Bhawan, Bhopal regarding discussion of Petroleum Rules 2002 and Gas Cylinder Rules 2004.
 14. Shri M.K.Jhala, Dy.CCE, Bhopal attended meeting on 11.02.2016 organized by Shri Choudhary, IG (Law & Order) at PHQ, Bhopal regarding training of Superintendent of Police.

WORKSHOPS / TRAINING PROGRAMS

1. Dr.A.K.Yadav, Dy.CCE, Smt. V.S.Bardeo, Dy.CE, and Sh. Nishant Mridul, Dy.CE attended a workshop on “Safe Handling of Chlorine” in Ghaziabad on 24.06.2015.
2. The officers of PESO Agra office alongwith the officers of IOCL organized a workshop on 23.07.2015 regarding safety measures taken for the underground LPG pressure vessels and Horton Sphere installations of Mathura Refinery.
3. Dr. M.I.Z.Ansari, CE, participated in DOT training programme at ISTM, New Delhi from 23.11.2015 to 27.11.2015.



4. Dr. M.I.Z.Ansari, CE, participated in training programme at ISTM, New Delhi on “Management of Training” from 14.03.2016 to 18.03.2016.
5. Shri. C.G. Kalambhe, CE accompanied by Shri. S.K. Bhole, Dy. CE inaugurated workshop on “Water Chlorination” & delivered lecture on “Safe Handling of Chlorine Cylinders” at Hotel Mayura, Raipur on 16.07.2015
6. Shri. S.K. Bhole, Dy. CE has attended one day training programme on PFMS held in the Office of the Chief Controller of Explosives, Nagpur on dated 01.07.2015
7. Shri. C.G. Kalambhe, CE accompanied by Shri. G.S. Ghodeswar, MTS attended training programme on PFMS on dated 20.11.2015 held in the Office of Chief Controller of Explosives, Nagpur organized by Pay & Accounts Office, Nagpur.
8. Dr. R.K.S.Chauhan, CE and Sh. Madan Mohan Gupta, UDC attended training programme on PFMS on dated 20.11.2015 held in the Office of Chief Controller of Explosives, Nagpur organized by Pay & Accounts Office, Nagpur.

VISITS / SAFETY AUDITS

1. A team of officer from Agra office conducted safety audit at the premises of GAIL, Pata, Auraiya, during 14.07.2015 to 15.07.2015.
2. A team of officers from Agra office conducted safety audit at IOCL, Mathura Refinery.
3. High Explosives Manufacturing factories of M/s. Navbharat Fuse Co. Ltd., at Urla, Abhanpur, M/s. Navbharat Explosives Co. Ltd., at Gatapar, Dist. Raipur, M/s. Special Blasts Ltd., at Pirda, Dist. Bemetara have been inspected jointly during the period 07.10.2015 to 10.10.2015 by Shri. C.G. Kalambhe, CE, Dr. R.K.S.Chauhan, CE and Shri. S.K. Bhole, Dy. CE Raipur.
4. Shri. C.G. Kalambhe, CE & Shri. S.K. Bhole, Dy. CE jointly inspected on dated 27.10.2015 fireworks factory of M/s. Star Pyrotechnics at Bhelwadiah and Sparklers Factory of M/s. Classic Sparklers at Bakhtara, Dist. Raipur.



EAST CIRCLE, KOLKATA

VISITS

1. The Safety Workshop was organized by M/s. BPCL, Kolkata jointly with the O/o. Jt. CCE, EC, Kolkata on 18.4.2015. Shri R.N. Meena, Dy.CCE delivered power point presentation on Safety Requirements on ALDS.
2. The Safety Workshop was organized by M/s. BND Gas & IPPL Kolkata jointly with the O/o. Jt.CCE, EC, Kolkata on 23.4.2015. Shri R.N. Meena, Dy.CCE delivered power point presentation on Safety Requirements of ALDS.
3. Key Note address delivered by Shri R.K. Maindola, Jt.CCE On 20.4.2015 at Middleton Chambers & Middleton Inn, 10, Middleton Street, Kolkata on Training Workshop on Water Chlorination and Safe Handling of Chlorine organized by Alkali Manufacturers Association of India.
4. The Safety Workshop was organized by M/s. HPCL Kolkata jointly with O/o. Jt.CCE, EC, Kolkata on 29.4.2015. Shri R.N. Meena, Dy.CCE delivered power point presentation on Safety Requirements of ALDS. Shri R.K. Maindola, Jt.CCE concluded the session and shared his experience.
5. Shri R.N. Meena, Dy.CCE delivered a power point presentation on 4.6.2015 on Statutory Requirements on GCR and SMPV rules with respect to LPG Bottling Plant at M/s. BPCL Bottling Plant, Durgapur, Burdwan.
6. Shri R.K. Maindola, Jt.CCE attended Circle Heads meeting on 30.6.15 in the O/o. CCE, Nagpur.
7. Shri Sanjay Kumar, CE delivered a power point presentation on training program on Accounting of Explosives and maintenance of records under Explosives Rules, 2008 on 12.6.2015 at IEL Gomia, Jharkhand.
8. Shri R. K. Maindola, delivered a presentation on Statutory Requirement of Ammonium Nitrate Rules on the occasion of 2nd Conclave on Explosives on 3.7.15 organized by M/s. IOCL, IBP Division, Business Group at Gateway Hotel, Kolkata.
9. Shri R. N. Meena, attended 2nd Conclave on Explosives on 3.7.15 organized by M/s. IOCL, IBP Division, Business Group at Gateway Hotel, Kolkata.
10. Shri R. K. Maindola along with Shri R. N. Meena and other subordinate officers of PESO Kolkata attended Annual Coordination Meeting on ONGC on 9.7.15. Statutory Requirement of Explosives Rules, 2008 were discussed in the meeting.
11. Shri R. N. Meena delivered a power point presentation on Statutory Requirement of GCR, 2004 with respect to the safety handling, storage and transportation of LPG in the Safety Meet organized by M/s. HPCL at Taj Bengal Hotel, Kolkata on 21.8.15. Shri R. K. Maindola chaired a session on this occasion. Other subordinate officers of PESO, Kolkata also participated in the programme.
12. Shri Ashok Kumar, DCE and Shri Nitin Shivaji Shete, DCE attended work shop on Safety in CNG Station conducted by Tripura Natural Gas Company Ltd at Agartala on 25.9.15.
13. Shri R. K. Maindola along with Shri Sanjay Kumar gave a talk at All India Radio Station, Akash Bani Bhawan, Bhawan on 13.10.15 on the Safety parameters to be observed



- during Diwali and prevention of unauthorized sale and use of fireworks of foreign origin. The above talk was aired on the FM channel of All India Radio for one week during Diwali season to create safety awareness amongst general public. Dos & Donts to be observed during Diwali was also explained during the talk.
14. Shri R. N. Meena delivered a talk on Statutory Requirement of Explosives Rules, 2008 on 16.10.15 at M/s. IDL Explosives, Rourkela.
 15. On 2.11.15 Shri R. K. Maindola delivered a key note address in the seminar/workshop organized by the Dy.CCE, Guwahati for creating general awareness amongst explosives users of North East Region and queries raised by the participants regarding filling on online RE 13 were explained during the workshop. About 100 participants from all over North Eastern regional attended the workshop.
 16. On 7.12.15 Shri R. K. Maindola delivered the keynote address in the seminar/workshop organized by the Dy.CCE, Ranchi for creating general awareness amongst explosives users of the Jharkhand State and queries were raised by the participants regarding filling of online RE 13 were explained during the workshop. About 60 participants from all over the Jharkhand region attended the workshop.
 17. Shri A. K. Ghosal, CE attended Mock Drill Programme on 10.12.15 conducted by M/s. BPCL installation at Budge Budge, Kolkata headed by Mr. Barun Neol John.
 18. Safety Awareness Program on Explosives Rules and Ammonium Nitrate Rules was jointly organized by the O/o. Jt.CCE, EC, Kolkata and District Magistrate, Pakur at Pakur on 22.5.2015. Shri R.N. Meena, Dy.CCE delivered power point presentation on Explosives Rules and Ammonium Nitrate Rules. About 170 nos. of participants including representatives from District Authorities, Police Authorities and Stack Holders attended the program.
 19. Safety awareness programme was jointly organized by PESO and SHV Energy Ltd(Super Gas),Kolkata on safety aspects of LPG on 3.3.2016. Shri R.N. Meena, Dy.CCE delivered power point presentation on Statutory requirements of Gas Cylinders Rules 2004. During presentation all safety aspects of LPG including filling, storage transportation, handling and use of LPG were discussed. About 70 participants including Officials of M/s Super Gas, LPG dealers and transporters of nearby areas were benefitted from the programme.
 20. Shri R.N. Meena, Dy.CCE delivered power point presentation on statutory requirements of Gas Cylinders Rules 2004 in the safety awareness programme jointly organized by PESO, Kolkata and M/s IOCL Durgapur on 5.3.2016. During presentation all safety aspects of LPG including filling, storage transportation, handling and use were discussed. Shri R.K. Maindola Jt.CCE, Kolkata chaired the session and shared his experience. About 75 participants including M/s IOCL Officials, LPG dealers and transporters of nearby areas were benefitted from the programme.
 21. Shri Sanjay Kumar, CE organized training programme on Accounting of Explosives and Maintenance of Records under ER,2008 at M/s. IDL Rourkela along with Shri S. Ray, CE Bhubaneswar on 28.10.2015.



MEETINGS

1. Shri R.K.Maindola, Jt.CCE attended Circle Heads meeting on 30.6.15 in the O/o. CCE,Nagpur.
2. Shri Sanjay Kumar, CE delivered a power point presentation on training program on Accounting of Explosives and maintenance of records under Explosives Rules,2008 on 12.6.2015 at IEL Gomia, Jharkhand..
3. Shri R. N. Meena, attended 2nd Conclave on Explosives on 3.7.15 organized by M/s. IOCL, IBP Division, Business Group at Gateway Hotel, Kolkata.
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5. Shri A. K. Ghosal, CE attended Mock Drill Programme on 10.12.15 conducted by M/s. BPCL installation at Budge Budge, Kolkata headed by Mr. Barun Neol John.
6. Shri Sanjay Kumar, CE attended meeting with Commissioner of Police, Kolkata regarding Bazi Bazar 2015 under provision of ER,2008 on 2.11.2015.
7. Shri Sanjay, Kumar, CE attended testing of fireworks with commissioner of Police, Kolkata & West Bengal Pollution Control Board at Taratala, Kolkata on 4.11.2015.
8. Shri Sanjay Kumar, CE conducted joint inspection of Bazi Bazar 2015 with Commissioner of Police at Shaheed Minar, Kolkata on 7.11.2015.
9. Shri A. K. Meena, CE and Shri M. Lohar, Stenographer Gr,I attended Kolkata Town Official Language Implementation Committee (Central Offices) meeting on 16.12.15 at National Library, Kolkata.
10. Shri A. K. Meena, CE and Shri N. S. Shete, DCE witnessed Mock Drill for onsite emergency at HPCL Depot Budge Budge, Distt. 24 Parganas South on 23.2.2016.
11. The officers of this office attended meeting Bazi Bazar 2015 under provision of ER,2008 of fireworks with commissioner of Police, Kolkata & West Bengal Pollution Control Board at Taratala, Kolkata on 2.11.2015 and testing on 4.11.2015.
12. O/o Dy.CCE, Guwahati conducted Meeting with Tank Lorry Fabricators & Competent persons under Petroleum Rules on 24.07.2015.
13. Shri V.K.Mishra Dy.CCE, Guwahati attended Meeting with Commissioner of Police related with fireworks temporary shops on 11.10.2015.
14. Shri V.K.Mishra Dy.CCE, Guwahati visited to the stalls along with police officials & DCP, Kamrup on 12.10.2015.
15. Shri K.P.Sharma, CE Visited to CBI office, Guwahati on 02.09.2015.
16. Shri M.G.Titre,CE and Shri M.W.Dudhe,Dy.CE, Guwahati witnessed emergency drill at Guwahati Refinery on 22.12.2015.

**LECTURES:**

1. The Safety Workshop was organized by M/s. BPCL, Kolkata jointly with the O/o. Jt.CCE, EC, Kolkata on 18.4.2015. Shri R.N. Meena, Dy.CCE delivered power point presentation on Safety Requirements on ALDS.
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10. Shri R. K. Maindola along with Shri Sanjay Kumar gave a talk at All India Radio Station, Akash Bani Bhawan, Bhawan on 13.10.15 on the Safety parameters to be observed during Diwali and prevention of unauthorized sale and use of fireworks of foreign origin. The above talk was aired on the FM channel of All India Radio for one week during Diwali season to create safety awareness amongst general public. Dos & Don'ts to be observed during Diwali was also explained during the talk.
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12. On 2.11.15 Shri R. K. Maindola delivered a key note address in the seminar/workshop organized by the Dy.CCE, Guwahati for creating general awareness amongst explosives users of North East Region and queries raised by the participants regarding filling on



- online RE 13 were explained during the workshop. About 100 participants from all over North Eastern regional attended the workshop.
13. On 7.12.15 Shri R. K. Maindola delivered the keynote address in the seminar/workshop organized by the Dy.CCE, Ranchi for creating general awareness amongst explosives users of the Jharkhand State and queries were raised by the participants regarding filling of online RE 13 were explained during the workshop. About 60 participants from all over the Jharkhand region attended the workshop.
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 15. Safety awareness programme was jointly organized by PESO and SHV Energy Ltd(Super Gas),Kolkata on safety aspects of LPG on 3.3.2016. Shri R.N. Meena, Dy.CCE delivered power point presentation on Statutory requirements of Gas Cylinders Rules 2004. During presentation all safety aspects of LPG including filling, storage transportation, handling and use of LPG were discussed. About 70 participants including Officials of M/s Super Gas, LPG dealers and transporters of nearby areas were benefitted from the programme.
 16. Shri R.N. Meena, Dy.CCE delivered power point presentation on statutory requirements of Gas Cylinders Rules 2004 in the safety awareness programme jointly organized by PESO, Kolkata and M/s IOCL Durgapur on 5.3.2016. During presentation all safety aspects of LPG including filling, storage transportation, handling and use were discussed. Shri RK Maindola Jt.CCE, Kolkata chaired the session and shared his experience. About 75 participants including M/s IOCL Officials, LPG dealers and transporters of nearby areas were benefitted from the programme.
 17. Shri V.K.Mishra Dy.CCE, Guwahati Delivered a lecture on Safety in the above ground Mining while using explosives in the workshop conducted by DGMS on 07.03.2016.
 18. Shri Subasis Ray, CE, delivered Lecture and Technical Presentation on Safety Challenges in Petroleum Retail Outlets was delivered by Subasis Ray Controller of Explosives to members of Bhubaneswar Petroleum Dealers Association at Hotel Kalinga Ashoka, Bhubaneswar on 29/08/2015.
 19. Shri Subasis Ray, CE, delivered Lecture and Technical Presentation on Penal Provisions under Explosives Act 1884 and Rules framed there-under, CCE Circulars related to explosives to the officers and operators of M/s. IDL Explosives/Orissa Explosives/ Mahanadi Chemicals at Rourkela on 26/10/2015.
 20. Shri Subasis Ray, CE, delivered Lecture and Technical Presentation on Challenges in Hydrogen Gas Cylinder Safety and Gas Cylinder Rules was delivered by Subasis Ray Controller of Explosives to M/s. Jindal Thermal Power Plant at Angul on 28/11/2015.
 21. Shri K.P. Sharma, CE, Guwahati Delivered a lecture on RE-13 in a meeting organized by M/s. North East Explosives on 27.09.2015.





REPRESENTATION OF SCHEDULED CASTES/SCHEDULED TRIBES/OBCs/EX-SERVICEMEN AND PHYSICALLY DISABLED PERSONS IN SERVICE

8.1 REPRESENTATION OF SCHEDULED CASTES/TRIBES/OBCs:

The Scheduled Castes/Scheduled Tribes Cell in the organization functions under a Liaison Officer of the rank of Dy. Chief Controller of Explosives. Similar Cells are also functioning in Circle Offices of the organization.

The Scheduled Castes/Scheduled Tribes Cell not only deals with the proposal relating to the de-reservation of posts but also looks into the grievances, if any, in respect of service matters of employees belonging to the categories of Scheduled Castes/Scheduled Tribes and takes appropriate remedial measures to alleviate their grievances/problems.

The organization also issues periodic directions to the administrative sections as well as the appointing authorities under its control to seek proper implementation of the directives on reservation for members of the Scheduled Castes/Scheduled Tribes in services.

The break-up of the number of Scheduled Castes/Scheduled Tribes and Other Backward Class persons belonging to Group 'A', 'B', 'C' & 'D' posts in the organization and its subordinate offices is given below:

Sr. No.	Category of Posts	No. of Scheduled Caste persons	No. of Scheduled Tribe persons	No. of Other Backward Classes persons
1	Group 'A'	21	08	31
2	Group 'B'	08	03	03
3	Group 'C'	48	22	54
4	Group 'D'	18	06	07

8.2 REPRESENTATION OF PHYSICALLY DISABLED PERSONS IN SERVICE

The Organization has been making vigorous efforts to ensure effective implementation of reservation orders for physically handicapped persons. The organization has identified some Group 'A', 'B', 'C' and 'D' posts, which are held by physically handicapped persons.

The break-up of the number of physically handicapped persons belonging to Group 'A', 'B', 'C' & 'D' posts in the organization and its subordinate offices is given below:

S.No.	Category of Post	No. of Physically Handicapped Persons
1	Group 'A'	1
2	Group 'B'	0
3	Group 'C'	3
4	Group 'D'	0



VIGILANCE ACTIVITIES

Vigilance activities of the Organization are under direct command of Chief Controller of Explosives, Head of the organization. Apart from Head office at Nagpur, Vigilance Cell is functional in all the Circle and Sub-Circle offices, Testing Station, Gondkhairi, Nagpur and FRDC, Sivakasi of the organization. The Head of the each subordinate office is heading the vigilance cell and reports to the Chief Controller of Explosives directly.

Preventive vigilance receives priority attention with primary emphasis on identification of areas, which are sensitive or prone to malpractices and temptations. Instructions and guidelines issued by the Department of Personnel & Training, Central Vigilance Commission and Chief Vigilance Officer of the Department of Industrial Policy and Promotions are followed.

Vigilance Awareness Week was observed in all the offices of the organization in accordance with the guidelines of CVC. All the officers and staff members of the organization took pledge and various activities were organized to highlight awareness about effective preventive measures undertaken through system improvements and use of Information Technology to achieve transparency, accountability, fair play, objectivity and timely response in all matters.

Following measures have been taken to monitor activities of officers of the organization:

1. Activities of sensitive nature have been identified and surveillance is maintained thereon.
2. Activities relating to frequent dealing with common public have been decentralized to the Circles & Sub-Circles, thereby reducing delay in disposals and reducing possibilities of malpractices.
3. Heads of the offices monitors activities of subordinate officers regularly.
4. Activities of Heads of Sub-Circle offices are monitored by Heads of Circle Offices.
5. The Chief Controller monitors activities of Heads of Circle offices and other offices of Head office.
6. Regular and surprise inspections are carried out by nominated officers and Heads of offices/organization to review sensitive areas/activities of officials.
7. Vigilance activity has also been extended to cover the visitors coming for meeting the concerned officers on official matters, by making a separate reception room, visitor's room and introducing a system of issue of visitors passes which are to be signed by the concerned officers. Also the reception area, visitor's area, lobby etc. is monitored through CCTV system.
8. List of dealing officers with their authorized areas of activities have been conspicuously displayed in the reception room.
9. List of officials suspected to be indulging in malpractices is maintained and their activities are closely monitored.
10. Public complaints about malpractices are given top priority and are investigated by the Head of the Organization /Head of the Office.
11. Name and telephone number of the Head of the organization and Heads of offices have been notified under the 'Grievance Redressal' sub menu of Organizations web site <http://peso.gov.in> and redressal of genuine grievance / complaints of stake holders is assured in the Citizens Charter of the Organization, hosted on the website of the Organization with a view to facilitate easy access by the aggrieved parties.
12. The dealing officers and assistants are made acquainted with the provisions of conduct rules and instructions issued by the Government from time to time.





USE OF OFFICIAL LANGUAGE IN THE ORGANISATION

Petroleum and Explosives Safety Organisation (PESO), together with its five circle offices, eighteen Sub-circle offices, Departmental Testing Station at Gondkhairi and Fireworks Research and Development Centre at Sivakasi is continuously making co-ordinated efforts to ensure compliance of the Official Language Policy and implementation of requirements of Programme prescribed by the Nodal Ministry- Department of Official Language, Ministry of Home Affairs. Under the leadership of Chief Controller of Explosives, the Organisation is marching towards its goal with utmost dedication and making every effort for promotion of Official Language.

With the objective of creating awareness for progressive use of Hindi in official work, various programs are being organized in all the offices throughout the year and employees are motivated for carrying out maximum official work in Hindi.

Visitors pass, Visiting cards of officers have been made bilingual. For promotion of Official Language Hindi – one word/quotation in Hindi with its English translation is displayed daily on the notice board. All letters received in Hindi are compulsorily replied in Hindi.

BILINGUALISATION OF THE WEBSITE

In compliance of the Official Language Policy of the Government, the official website of PESO has been made bilingual in English and Hindi and is updated at regular intervals. The information about working/activities/important achievements, etc of the organisation is displayed both in Hindi and English languages on the website. A separate link “Rajbhasha” has been provided on the website under which organization's activities, achievements, Annual Programme etc. in respect of Official Language are displayed.

MONITORING AND INSPECTIONS

The Chief Controller of Explosives and all the other officers of the O/o Chief Controller of Explosives, Nagpur regularly carry out inspections of the Circle and Sub-circle offices to ensure compliance of Official Language Policy. During the year 7 Official Language inspections were carried out by CCE and his officers.

MONITORING DURING MEETINGS OF THE DEPARTMENTAL OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE

During the year, under the chairmanship of Chief Controller of Explosives, with other committee members, three meetings of the above Committee have been organized. Various important issues were discussed for effective implementation of the official language policy in offices.

The status of the Quarterly Report of the organization regarding progressive use of Hindi is reviewed regularly by the committee and necessary action is taken in the matter. The Annual Programme issued by the Department of Official Language, Ministry of Home Affairs is discussed in the said meetings and check points are made at different level for its effective compliance.



PARTICIPATION IN THE MEETING OF THE ADVISORY COMMITTEE OF DIPP

Shri P.C. Shrivastava, Chief Controller of Explosives attended the meeting of Committee of DIPP held at New Delhi on 21/05/2015 under the chairmanship of Smt. Nirmala Sitaraman Hon'ble Minister of State for Commerce and Industry

MEETINGS OF THE TOWN OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (TOLIC)

In order to ensure progress of Hindi, the officers of Head office as well as circle and sub-circle officers regularly attended the meetings of the TOLIC. Shri P.C. Srivastava, Chief Controller of Explosives and Smt. Vaishali Cirde, Hindi officer, Nagpur attended the 60th half yearly meeting of Town Official Language Implementation Committee held on 06/05/2015 and in its 61st meeting held on 26.10.2015 was attended by Shri P.C. Srivastava, Chief Controller of Explosives, Dr. Yogesh Khare, Controller of Explosives and Smt. Vaishali Cirde, Hindi officer, Nagpur.

Employees participated in the various Inter-office competitions organised under the aegis of TOLIC, Nagpur.

PUBLICATION OF HINDI MAGAZINE “VISPHOTAK DARPAN”

With the aim of increasing use of Hindi to the maximum and utilization as well as propagation of writing skills of the officers/employees, the 15th issue of in-house magazine, “**Visphotak Darpan**” was published during the Hindi Fortnight celebration. The Officers and staff of Head Office as well as circle and sub-circle offices contributed their articles, poems, etc. for the magazine. The various rajbhasha activities of the organization were also reflected in the magazine.

A dedicated column is reserved in the Quarterly Newsletter of PESO highlighting activities thus promoting the use of official language Hindi.

The office of the Jt. Chief Controller of Explosives, Agra also publishes its journal “Madhyanchal Darpan” in hindi.

HINDI TRAINING

To facilitate maximum work in Hindi, Priority is being given to the work of imparting Training in Hindi, hindi typing, shorthand, Pragya etc. and almost all the employees have been trained in Hindi.

IMPLEMENTATION OF OFFICIAL LANGUAGE POLICY

– USE OF MECHANICAL AIDS

For ensuring implementation of official language, Universal code-**Unicode** is being used by the organization. Almost all computers are Unicode enabled. Under the computerization of official work, facilities such as bilingual modules, website, e-mail, Internet, use of support site etc. is providing momentum to the promotion of official language.

Important letters issued by the Ministry are forwarded immediately to all circle/sub-circle offices for their compliance using the e-mail/ support site of the organization. The instructions and orders given on the official website of the Department of Official language www.rajbhasha.gov.in are strictly adhered to.



CREATION OF ONLINE QUARTERLY HINDI PROGRESS REPORT MODULE

In compliance of Section 3(3) of the Official Languages Act, the organization's online licensing module has been made bilingual.

For monitoring of implementation of official language in the Organisation, the work of creation of online quarterly Hindi progress report module has been completed and the quarterly Hindi progress reports from the circle/sub-circle offices are being obtained and reviewed online.

HINDI WORKSHOPS

In order to encourage progressive use of Hindi in official work at least four workshops are organized throughout the year in all the offices of PESO. For effective implementation of Official Language policy, employees are advised to use simple and lucid Hindi language for their day-to-day work.

HINDI FORTNIGHT

PESO, Nagpur along with all the circle and sub-circle office celebrated “Hindi Day” as well as “Hindi Fortnight” with great enthusiasm to increase the use of Official Language Hindi in the official work.

With a view to encourage officers/employees to do their official work in hindi, during “Hindi Fortnight” various competitions were organized, such as - Hindi Typing, Noting and Drafting, Essay writing, Handwriting competition, Shabdgyan, Logo Punch line competition and Antakshari. An exhibition of Hindi books was also arranged. “Hindi Day” was celebrated with great enthusiasm. On this occasion Honable Home Minister's message and the memorandum forwarded by the Ministry was read out for compliance. Winners of the competitions were awarded suitably.

INCENTIVE SCHEMES

Annual Cash Prize Scheme for doing noting/drafting in Hindi, circulated by M/o Home Affairs, D/o Official Language is implemented in the organization. During the fortnight, various employees were awarded suitably under the scheme.

The incentive scheme of Central Government for noting/drafting in official work which is done originally in Hindi has been implemented in the organisation and as a regular practice; this year also employees participating in the scheme were awarded during “Hindi Fortnight” Celebration.

ACHIEVEMENTS

- **O/o Chief Controller of Explosives, Nagpur:** for the year 2014-2015 Under Town Official Language Implementation Committee, Nagpur received 2nd prize for excellent performance in implementation of Official Language Recd. incentive prize for its Hindi Magazine “Visphotak Darpan” Issue-14 Recd. 2nd prize for its Newsletter
- **O/o Jt. Chief Controller of Explosives, Central Circle, Agra** Under Town Official Language Implementation Committee, Agra.
- the office of Joint Chief Controller of Explosives, Agra was awarded Special prize, for the Year 2015-2016, for their excellent performance in implementation of Official Language by the TOLIC, Agra.



O/o Jt. Chief Controller of Explosives, West Circle, Mumbai

For the Year 2014-2015, the office of Joint Chief Controller of Explosives, Mumbai was awarded Third prize, for their excellent performance in implementation of Official Language by TOLIC, Mumbai.

The attached and subordinate offices continued their endeavor towards ensuring effective implementation of various provisions of the Official Language Act and Rules to promote and progressively propagate the use of Official Language in their day-to-day working.

All offices of Petroleum and Explosives Safety Organisation, are committed to the statutory responsibilities of Official Language.





INSPECTIONS OF LICENSED/APPROVED PREMISES

In spite of severe resource constraints due to several vacant posts of officers in various grades, attempts were made to intensify inspection activities of hazardous premises licensed/approved by the Organization under various Acts & Rules made there under.

UNDER EXPLOSIVES ACT, 1884

During the year, 19800 premises (out of total 113155 units licensed) were inspected. This amounts to inspection of 17.50 % of the total premises. The inspected premises mentioned above include 9478 licensed premises under Explosives Rules, 2008; 5365 licensed premises under Gas Cylinder Rules; 4568 licensed premises under SMPV (U) Rules and 389 licences premises under Ammonium Nitrate Rules, 2012.

UNDER PETROLEUM ACT, 1934

During the year, 6170 premises licensed were inspected, which amounts to about 3.09% of the total 199787 licensed premises. The above inspections include 6114 premises licensed under Petroleum Rules, 2002 and 56 premises licenced under Calcium Carbide Rules, 1987.

In all out of 306772 premises covered under various licenses and approvals granted by this Organization under various Acts & Rules, 25,970 premises (8.47%) were inspected during the year 2015-16. The short fall in the inspection of the premises compare to last year was due to deployment of officers from various circle, sub-circle and head office for the inspection of Fireworks factories at sivakasi (TN). The officers from various Circle, sub-circle were deployed for a period of two months. Statistical information about the premises licensed/approved under various Acts & Rules and inspections carried out thereof are given in Table-I. Details of cancellation, surrender, suspension, revocation of orders and issue of show cause notices are summarized in table II. Details of production of different types of explosives during the last 5 years are summarised in table III.

Wherever defects, irregularities or violations of rules and conditions of licence were observed during inspections, steps were taken by giving notice to the licensees for correction/compliance. In cases of serious violations that are likely to endanger safety, licenses were suspended or cancelled depending upon the nature of violation and seriousness of offence.

TABLE – I
DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR 2015-2016

Rules	As on 31.03.2015	Licensed in the year 2015-16	Total as on 31.03.16	No. of Inspections in the year 2015-06
Ammonium Nitrate Rule, 2012	758	240	998	389
Explosives Rules, 2008	43162	4824	47986	9478
Gas Cylinder Rules, 2004	28548	2198	30746	5365
SMPV(U) Rules, 1981	29696	3729	33425	4568
Petroleum Rules, 2002	174556	18568	193124	6114
Calcium Carbide Rules, 1987	463	30	493	56
Total	277163	29589	3,06,772	25,914



**TABLE II
DETAILS OF CANCELLATION, SURRENDER, SUSPENSIONS AND
REVOKATION CARRIED OUT DURING THE YEAR 2015-2016**

Sr. No.	RULES	Cancellation of licence	Surrender of licence	Interim suspension of licence	Suspension	Revokation	Show cause notice
1	Ammonium Nitrate Rule, 2012	2	9	2	0	1	10
2	Explosives Rules, 2008	543	689	204	132	196	739
3	Gas Cylinder Rules, 2004	40	78	6	20	92	172
4	SMPV(U) Rules, 1981	665	1155	0	56	41	41
5	Petroleum Rules, 2002	244	855	17	50	144	350
6	Calcium Carbide Rules, 1987	1	0	0	0	0	1
	Total	1495	2786	229	258	474	1313

Chart showing the number of Licensed Premises and number of Inspection carried out during 2015-2016

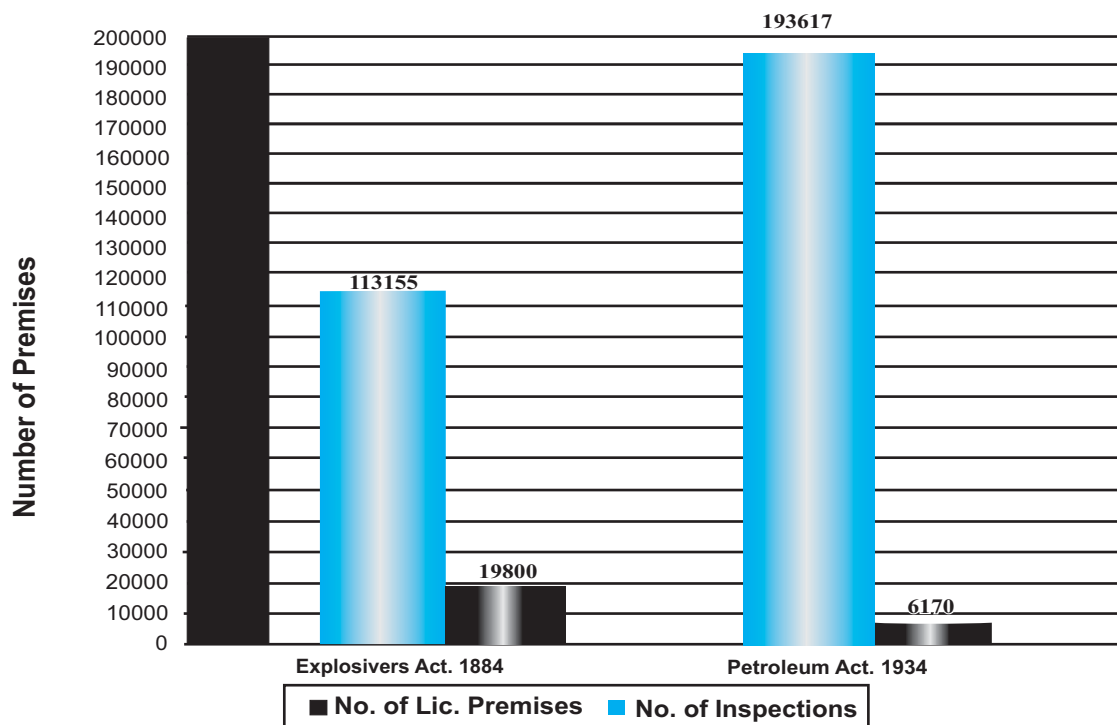




Table – III
Production of different types of explosives during last 5 years

Description	Annual Installed Licenced capacity(MT) as on 17.085.206	2011-12	2012-13	2013-14	2014-15	2015-16
Class 1 Gun Powder (Metric Tonnes)	855.55	710.6	577.7	549	535.327	552.165
Class 2 (a) Cartridges (b) Site Mixed (Metric Tonnes)	704296 1633505.5	238193 483828	267275 495946	269999 521419	344146.4 604234.6	378989.957 762850.379
Class 3 Div-2 Booster and PETN* (Metric Tonnes)	21879.67	5063.1	5656.5	6186	7015	7996.384
Class 6 Div 1 Safety Fuse (Million meters)	261.6	81.1	77.1	75	68.7	61.1
Class 6 Div 2 Detonating fuse (Million mtrs)	788	370.6	649.0	428	457.7	479.6
Class 6 Div 3 Detonators (Million no-)	1166.15	970.7	992.2	1032	906.7	969

*PETN, Penta Erythritol Tetra Nitrate



ACCIDENT INVESTIGATION DURING THE PERIOD 2015 -2016

SOUTH CIRCLE, CHENNAI

A. EXPLOSIVES ACT, 1884

A.1 Explosives Rules, 2008

1. **Date:** 01/08/2015 **Place:** Keerambur Village, Thuraiyur Tk., Thiruchirapalli
Killed – Nil **Injured - Nil**
On 01/08/2015 at 10:00 AM a minor explosion occurred in ASA drying building of M/s Sivasakthi Industrial Explosives Pvt. Ltd., Keerambur Village, Thuraiyur Tk., Thiruchirapalli.
It appeared that some ASA powder came in between the sieving screen frame and top of the chute due to misalignment. The sticky material initiated friction during sieving operation and explosion occurred.
2. **Date:** 10.6.2015 **Place:** Madurai.
Killed – 1 **Injured - Nil**
Fire/explosion occurred on 10.6.2015 in the fireworks factory of M/s Velavan Fireworks covered under licence No. E/HQ/TN/20/941 (E32292). Accident occurred while disposing the waste fireworks in burning pit; one worker succumbed to his injuries at Govt. Hospital, Madurai. From the circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred due to dropping of waste quick match fuse above the hot coal (fire) which might be present at the bottom of the pit.
3. **Date:** 14.8.2015 **Place:** Sivakasi
Killed – 1 **Injured - Nil**
Fire/explosion occurred on 14.8.2015 in the Pellet drying shed no.4 of M/s Sri Ravindra Fireworks covered under licence no. E/HQ/TN/20/1202(E48803). As a result, one worker was killed on the spot and another worker succumbed to his injuries in the Govt. Hospital, Sivakasi. From circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred due to presence of grit in the gun powder composition which might have generated spark while hammering which resulted in the fire.
4. **Date:** 08.02.2016 **Place:** Sivakasi
Killed – 1 **Injured - Nil**
Fire/explosion occurred on 08.02.2016 in the fuse dipping shed of M/s Radhika Fireworks Factory covered under license no. E/HQ/TN/20/924 (E32270). One worker succumbed to his injuries at Govt. Hospital, Sivakasi.
Friction while removing the quick match fuse was the cause of accident.



5. **Date:** 14.03.2016

Killed – 1

There was a fire/explosion accident occurred on 14.03.2016 in an unauthorised drying platform found constructed at a distance of 86 M away from the subject factory fencing on the eastern side and used for drying of pellets in tarpaulin sheets. During handling of pellets, 7 workers sustained burn injuries. 3 workers succumbed to their injuries later in a hospital. Carelessness while handling the colour pellets was the cause of accident.

6. **Date:** 23-04- 2015

Killed – NIL

The accident took place at Igniter Composition Room (Room No.7) inside the Delay Element Manufacturing Plant (Building No.41). Igniter Composition was being manufactured by M/s A.P. Explosives Pvt Ltd. This Igniter Composition is used as initiator for manufacturing Long Delay and Non-electric Delay Detonators. On 23 April 2015 at about 11:45AM, while performing the sieving operation manually by using an antistatic rubber hammer on the 52BSS stainless steel mesh upon wooden table (not fitted with safety shield glass), suddenly a flash-fire took place on the sieving table. There was no causality, one person got burn injury. Unsafe operating conditions such as non provision of safety shield glass, safety protective clothes and glasses. The unsafe act by the operator also caused the accident.

7. **Date:** 10-11- 2015

Place: Seri Lingampally Mandal, Rangareddy Telangana

Killed – NIL

Injured - NIL

An un-authorized shed behind Fireworks shop premises of M/s Bhagy Rekha Crackers, Prop. Smt.A. Padmavathi, E/SC/TG/24/282 (E56325), situated at Plot No.242, Sy. No.51, Gachibowli, Seri Lingampally Mandal, District Rangareddy, State: Telangana.

The accident took place on 10/11/2015 at about 18:45 hrs at an unauthorized building with RCC roof (size 7m x 6m) behind the licensed fireworks shop at about 8 meters distance in the North East direction. The unauthorized building used by the licensee for storage of fireworks and other plastic carry bags, paper rolls etc. one temporary shed with GI Sheet roof was also found in north direction and a GI sheet leaning roof was also found in front of the unauthorized building. Electrical wiring without conduit/ fixed was found installed inside the unauthorized building, temporary shed and in leaning roof also. The leaning roof was found with iron tables, which might be used for display of fireworks in front of the unauthorized building. A Fire broke out at unauthorized building, which rapidly spread to the adjacent temporary sheds and display area. The remnants of burnt fireworks and plastic carry bags were found inside the unauthorized building. No causality and No injury. The probable cause of accident is under investigation.

8. **Date:** 23/04/2015

Place: St. George Forane Church, Aruvithura,
Erattupetta, Kottayam District.

Killed – One

Injured - Nine

While conducting fireworks display licence in Form LE-6 licence No.3/15/KTM (District Magistrate) at that place during display competitor launched display fireworks when it reached the finishing point where there was a combination of a series of aerial and sound items together. One set of aerial shell item lighting suddenly/fallen from its position on the



ground. As the result the lighted fireworks Gundu ejected from the shells traveled horizontally along the ground level and hit the spectators standing in front of a shop.

9. **Date:** 27/12/2015 **Place :** Cherpu Village, Thrissur District.
Killed : Nil, **Injured :** Nil
A fire/explosion accident occurred at fireworks premises licensed by District Magistrate of Mr. Sujith situated at Cherpu village. The storage shed was stored with finished fireworks like PLC, Gundu, Amittu. Explosion occurred in the storage shed resulting complete demolition of shed. The cause of accident is under investigation.
10. **Date:** 22/01/2016 **Place :** Maradu Village, Kanayannur Taluk, Ernakulam District.
Killed : Two, **Injured :** Nil
A fire/explosion accident occurred in fireworks shop licensed by District Magistrate. During the manufacture of gun powder for temple festival, the entire temporary shed collapsed and damaged heavily. One worker died on the spot and the other worker died during treatment. The Premises was misused for manufacturing activity of Gun Powder. The District Magistrate is requested to order magisterial enquiry into the cause of subject accident. The probable cause of accident is under investigation.

A.2 Gas Cylinder Rules, 2004

1. **Date of Accident :** 4/4/2015 **Place:** Immampet village, Suryapet Mandal,
District: Nalgonda, State: Telangana.
Killed: - 2, **Injured :** 3
Accident occurred during pig retrieval in LPG pipeline of M/s Gas Authority of India Ltd(GAIL) Visakhapatnam- Secunderabad LPG cross country pipeline. At Intermediate Pigging Station (IP-2), Immampet village, Suryapet Mandal, District: Nalgonda, State: Telangana. The design of the pig receiving section has not envisaged provision for pressure gauge, drain line, safety relief valve, and vent line in the 10” line (immediately downstream of the receiver isolation valve and upstream of the 16” receiver barrel). This prevented the operators from identifying over pressure in the 10” line, and not provision of drain line, vent line, and safety relief valve (SRV) is a design flaw. The low pressure and large quantity of packed debris/dirt (at 80-90% volume of 16” receiver barrel) i.e. approx 800-900Kgs of in the receiver barrel increased the potential for the pig to get blocked at the transition point (where the receiver diameter increased from 10” to 16”). The pressure built up/expansion of trapped LPG and dirt/debris behind stuck pig in the 10” line might have exceeded the operating pressure (35 to 40 Kg/Cm²) due to soaring atmospheric temperatures (40 °C). A Sudden release of trapped LPG due to differential pressure formed by removal of packed debris (by cleaning it with water/pulling of pig manually with pig retrieval metal hook rod) might have caused a pressure drop inside the barrel resulting in instantaneous boiling of LPG. This resulted in a very high increase in volume, leading to a massive wave of over pressure that might have ejected the pig like a missile from the receiver barrel, which in turn hit the workmen in front of the receiver barrel mouth resulting in to death of two persons, and injuries to three.

**B. PETROLEUM ACT, 1934****B.1 Petroleum Rules, 2002**

1. **Date of Accident :** 03/12/2015 **Place:** Purusawalkam Village, Chennai Dist., Tamilnadu
killed: 0 **Injured: 0**

On 03/12/2015 at 11.00 AM, a fire accident took place in the petroleum service station of M/s. Indian Oil Corporation Limited, at Purusawalkam Village, Chennai Dist., Tamilnadu.

The accident was due to the overflow of motor spirit from the underground tank to the surface as the area where the service station is situated was heavily flooded due to the continuous heavy rain. The motor spirit (which overflowed from the tank due to seepage of water into the underground tank) got spread to the nearby area alongwith flood water, subsequently as per information received a cigarette butt which was thrown from the nearby slum areas acted as a source of ignition leading to fire.

WEST CIRCLE, MUMBAI**A. EXPLOSIVES ACT, 1884****A.1 Explosive Rules, 2008**

1. **Date : 04/05/2015** **Place :** Tal. Tasgaon, Ravathe-Eakand, Sangli, Maharashtra.
Killed : 11 **Injured : Nil**

The accident occurred during the manufacturing process of the fireworks in the manufacturing shed licensed by the District Magistrate, Sangli. The entire manufacturing shed was badly damaged. 11 people died in the accident who were present in and around the shed. Generation of frictional spark might have initiated fire.

2. **Date : 11/06/2015** **Place : Distt. Jalgaon, Maharashtra**
Killed : Nil **Injured : Nil**

There was initial fire/explosion in a fireworks magazine. This initial explosion had triggered another explosion within no time with moderate sound and a flame with dense smoke leapt skywards. As a result, roof of the magazine was blown off into pieces. Fireworks kept in the magazine were reduced to ash. 4 lightning conductors provided over the roof were damaged. However, there was no loss of life or injury to any person. Lightning might have caused fire accident.

3. **Date : 04/10/2015** **Place : Vill. Bhandgaon, Tal. Daund, Pune, Maharashtra.**
Killed : Nil **Injured : Nil**

An explosion occurred during the flash lightning and heavy thunder in the magazine. As a result the lobby and detonator room of the magazine completely razed to ground leaving the main room as partially damaged. Out of stock of 8853 Nos. of detonators and 3660 Mtrs of safety fuse and 7378 Nos. of detonators were destroyed. However, there was no loss of life or injury to any person. Lightning and malfunctioning of lightning conductor might have caused fire accident.



4. **Date: 09.03.2016** **Place : Gondal, Rajkot, Gujarat.**
Killed- Nil **Injured – Nil**
A fire accident occurred on 09.03.2016 at about 0345 hrs to an explosive van carrying 2.5 tons of Class II Explosives on the Patoliya-Gondal Rajkot Highway, Gondal, Rajkot, Gujarat. In the accident no person was killed or injured due to the presence of mind of the driver who immediately on notice of the fire took the van to the service road and stopped the engine. The van was partially gutted along with the explosives. Exact cause of accident is under investigation.
5. **Date : 04/06/2015** **Place : Talegaon (SP) Distt. Wardha Maharashtra**
Killed – Nil **Injured – 1**
A fire accident, inside room no-4 of D-2 building(Delay Composition filling building) of M/s.CDET, Explosives Pvt Ltd, Talegaon(SP), Distt- wardha ,occurred on 04/06/2015 at about 1954 Hrs, involving licence No.E/HQ/MH/20/44(E-32584) in Form LE-1 of Explosives, Rules 2008. While dipping of wooden spatula in the delay composition, contained in an Aluminium container, forcefully or hurriedly or carelessly by the operator, to take out material, friction might have developed inside highly friction sensitive delay composition, consisting of mixture of red lead, silicon and antimony trisulphide in the ratio(70:15:15), which resulted in rising of delay composition temperature and eventually caused fire accident.
6. **Date : 24/09/2015** **Place: Talegaon (SP) to Wardhmaneri Road,**
Distt.Wardha M.S.
Killed – 02 **Injured – NIL**
An Explosives road van accident occurred at Wardhmaneri, Arvi-Talegaon Road, opposite Ginning Factory, Wardhmaneri, District-Wardha on 24/09/2015 at 1830 Hrs involving Licence No.E/WC/MH/25/1034(E52822) in Form LE-7 of Explosives Rules 2008 belonging to Shri Hitesh B.Parmar(Occupier),Kema Logistics and Manufacturing Pvt.Ltd,109/109/3 Ganpati Ward, P.O/Tah. Arvi, Wardha. The subject Explosives van loaded with different types of electric detonators from the premises of M/s.CDET Explosives Industries Pvt Ltd, Talegaon(SP), Asti, Distt- Wardha and started moving to supply the explosives material to various consignees in kerela state by road. While en-routing its way towards its destination, it met with a road accident with a motorcycle on the road due to negligence of driving by both the drivers, resulting in death of motorbike driver & person sitting on its pillion.
7. **Date : 09/11/2015** **Place : Nanded Distt. – Nanded State – Maharashtra**
Killed – Nil **Injured – NIL**
On 09/11/2015 in the evening at about 1800 hrs inside the boys school ground of Zilla Parishad High school, Mukhed, Distt-Nanded, where 16 nos. of temporary fireworks sheds, licenced by District Magistrate, Nanded erected in the subject ground were involved in sale of Fireworks items during ensuing Deepawali Festival. Suddenly, fire erupted due to electric shot circuit and further on encountering with fireworks it propagated to other nearby temporary sheds and eventually caused fire accident.



A.2 Gas Cylinder Rules, 2004

- 1) **Date : 10/10/2015** **Place : Nanded Distt. – Nanded State – Maharashtra**
Injured – 1 **Killed- 1.**

An Explosion accident occurred to two nos. of Freon Gas cylinders of capacity 5 kg each on 03/11/2015 in an unauthorized filling premises of M/s Lupin Limited at Village Dabhasha, Taluka Padra, Dist. Vadodara, Gujarat. In the accident three persons were injured and one killed. No major damage to property occurred. The cause of accident was due to the excess pressure due to overfilling of cylinder. Cylinder used for filling of Freon was not designing for filling of Freon gas.

A.3 SMPV (U) Rules, 1981

- 1) **Date : 14/01/2016** **Place : Bhigwan Village, National Highway, Distt. Pune, Mah.**
Killed : Nil **Injured : One**

The driver of the LPG road tanker bearing Regn. No. MH-43-U-1866 lost control of the vehicle when he saw the car coming at high speed from the service road, the driver of the LPG tanker turned the tanker to driver side at high speed resulting the tanker overturned towards driver side and fell on other side of the road. A deep dent was formed on the tanker and scratches were noticed on the driver side and paint on the tanker peeled. There was no leakage of any kind or any fatality in above accident and no fire erupted. The driver sustained major injury to his right hand and head. Careless driving of LPG tanker might have led to the road accident.

- 2) **Date : 17/01/2016** **Place : Near Kasara by-pass road, Mumbai – Nasik Highway, Kasara, Nasik, Maharashtra**
Killed : Nil **Injured : Nil**

The driver of the LPG road tanker bearing Regn. No. MH-43-U-6671 lost control of the vehicle in an attempt to save the passenger car Maruti Ritz coming with high speed from opposite direction, resulting the tanker fell on cleaner side of the road. There was no leakage of any kind nor any injury or fatality in above accident and no fire erupted. Careless driving of LPG tanker might have led to the road accident.

B. PETROLEUM ACT, 1934

B.1 Petroleum Rules, 2002

- 1) **Date : 25/03/2016** **Place : Nasik-Dindori Road, Village Dhakambe, Tal. Dindori, Nasik, Maharashtra**
Killed : One **Injured : Three**

A fire accident at Petroleum retail outlet of M/s. Indian Oil Corporation Ltd. occurred during decantation of petroleum product through tanker bearing Lic. No. P/WC/MH/11/247365 (P276530) in Form XI of Petroleum Rules 2002. One person died on the spot in this fire accident and three persons were injured. The sales room and lube oil room were completely damaged. Short circuit might have caused initiation of fire.



- 2) **Date : 10/05/2015** **Place: Nizampura, Vadodara, Gujarat**
Killed : Three **Injured : One**
Fire and Explosion accident occurred in a CNG Dispensing retail outlet of M/s IOCL (SR Patel and Co.) at Nizampura, Vadodara, Gujarat on 10/05/2015 at about 1550 hrs. In the accident three persons were injured and one killed. The CNG compressor along with the cylinders got damaged. The over-pressure built in the pipeline connecting to cascade and the compressor lead to the rupture and subsequent ignition of CNG due to electrical spark.
- 3) **Date : 26/05/2015** **Place: Ahmedabad, Gujarat**
Killed : Nil **Injured : Nil**
Fire accident occurred in a Petroleum Barrel Storage Shed manufacturing thinner and resin situated at Behrampura Industrial Estate, Ahmedabad, Gujarat on 26/05/2015 at around 05:35 p.m. No one was injured and killed in the accident. The entire petroleum storage go-down including the chemical process vessels and connected facilities were completely burnt. The cause of the accident is under investigation.
- 4) **Date : 09/04/2015** **Place: Ichhapore, Surat, Gujarat**
Killed : Nil **Injured : Nil**
A fire accident occurred on 09/04/2015 at 0320 hrs in Hazira to Motwan Natural Gas pipeline at Ichhapore, Surat of M/s ONGC. In the accident no person was killed or injured. The 12” gas Pipeline burst open at around a length of 12m. The ageing of the pipeline appears to be the cause of the bursting and subsequent fire.
- 5) **Date : 23/08/2015** **Place: Vadodara , Gujarat**
Killed : 5 **Injured : 1**
A Fire accident occurred on 23/08/2015 at about 1230 hrs in IOCL Refinery Vadodara, Gujarat. In the accident 5 persons were injured and one killed, 4 no. of transfer pumps along with their switchyards were badly damaged in the fire and minor damages occurred to 16 nos. of other pumps. Non spark producing tools for arresting leakage of petroleum product were not used which might have caused the accident.

CENTRAL CIRCLE, AGRA

A. EXPLOSIVES ACT, 1884

A.1 Explosives Rules, 2008

1. **Date: 19.08.2015** **Place: Sambhal, Dist. Sambhal, Uttar Pradesh.**
Killed – 2 **Injured - Nil**
An explosion occurred in an unauthorized fireworks premises where iron equipments were being used for manufacturing of fireworks. The cause of accident was due to possible ignition of the fireworks composition by the act of smoking or generation of spark during use of iron equipments for manufacturing of unauthorized fireworks.



2. **Date : 12.09.2015** **Place: Petlawad, Dist. Jhabua (M.P.)**

Killed- 78 **Injured -74**

A shot firer certificate holder was doing contract work of drilling and blasting from a hired shop in the Petlawad market. He used to store fertilizers and left over explosives materials from day's work in the shop. On the fateful day of accident, water thrown by the land lady on plugged charging inverter resulting shot circuit causing spark and cracking sound. The battery acid mixed with water splashed, spilled over and scattered all around and fell on stored explosives, detonators and fertilizer bags kept nearby.

Once the detonator exploded, the hot splinters from the bursting detonator ignited the stored fertilizer (A.N.) bags. Heat generated from the burning of Ammonium Nitrate propagated to the explosion due to confined storage of large quantity of fertilizer and explosives. 78 people reported dead and 74 have been reported injured.

3. **Date : 15/10/2015** **Village - Raspahaari , District: Sonbhadra,**

Killed - 08 **Injured -06**

An explosion took place in the blasting shelter room of stone mines situated at village Raspahari, Obra, District- Sonbhadra (UP). Explosives were stored by the blasters illegally in the blasting shelter room. Also un-insulated electrical wires were used for connection with the exploders, which were kept in the blasting shelter room. During blasting operation, perhaps due to leakage of current from the un-insulated electrical wires, the illegal explosives kept in the blasting shelter room got exploded.

4. **Date : 21.03.2016, Place: Majguwan Kirat, Tehsil Jabera, Dist. Damoh (M.P.)**

Killed- Nil **Injured -02**

A crew of ONGC seismic team was conducting up-hole survey by lowering pair of detonators attached with a winch in a shot hole and then blasting it.

On the fateful day, the detonators blasted at the ground surface as it was slipped from labour's hand while inserting into the shot hole. A shot firer and another labour received injuries on two finger tips and face respectively. After proper treatment, injured were released from Hospital.

A.2 Gas Cylinder Rules, 2004

1. **Date: 02.05.2015** **Place: Harduaganj Thermal Power Station, UP.**

Killed – 4 **Injured - 10**

An accident took place in the unauthorised gas cylinder storage at Harduaganj Thermal Power Station, during oxygen acetylene based cutting operation was being carried out. Leakage in the acetylene cylinder might have back fired and then lead to explosion.

A.3 SMPV (U) Rules, 1981

1. **Date: 29.04.2015** **Place: Unnao, Dist. Unnao, Uttar Pradesh.**

Killed – 0 **Injured - 0**

An LPG road tanker carrying bulk LPG was on its way to Gorakhpur LPG plant went off road to save collision with a truck which was coming from opposite side driving rashly. Neither fire nor casualty took place in the accident.



2. **Date: 12.01.2016** **Place: Jhansi-Kanpur Highway, Uttar Pradesh.**
Killed – 0 **Injured - 1**
A tanker carrying bulk LPG was travelling towards Kanpur. Driver lost control on vehicle to save cattle and the tanker hit the kerb wall of small road bridge causing accident.
3. **Date : 17.03.2016** **Place: Khonpeer Pipliya, Dist. Dewas (M.P.)**
Killed – 1 **Injured - 2**
A fire occurred on 17.03.2016 in the ALDS premises of M/s Indian Oil Corporation Ltd. situation at Khonpeer Pipliya, District Dewas while carrying out depressurizing and degassing operation of ALDS tank for 5 years statutory NDT testing by M/s Midco Ltd. Mumbai Personnel under supervision of IOCL officer.

PETROLEUM ACT, 1934

B.1 Petroleum Rules, 2002

1. **Date: 21.10.2015** **Place: Sitapur, Dist. Shahjahanpur, Uttar Pradesh.**
Killed – 9 **Injured - 3**
An accident occurred due to collision of tank truck filled with 6 KL MS & 6 KL HSD with a Mahindra Jeep during its way to retail outlet for unloading. Neither fire nor explosion occurred at the accident site.
2. **Date: 16.12.2015** **Place: Petroleum premises at Rajpura Jat, Mathura, Distt. Mathura, Uttar Pradesh.**
Killed – 3 **Injured - 5**
An accident took place when a driver of tank truck lost the control on vehicle and collided with a 11 KV high tension line electric poll and overturn. The accident was due to negligent by the driver.
3. **Date: 06.01.2016** **Place: Atrauli-Aligarh Road, Distt. Aligarh, Uttar Pradesh**
Killed – 0 **Injured -4**
An accident occurred in petroleum retail outlet during welding work at petroleum tank pipeline trench cover. The explosion occurred due to vapor cloud accumulated in the retail outlet premises and in pipeline trench portion on coming in contact with fire ignition source which could be spark due to hot work
4. **Date : 14.01.2016,** **Place: Bhour, Bhopal By Pass Road, Dist. Bhopal (M.P.)**
Killed- Nil **Injured - Nil**
A fire incident occurred while preparing thinner by pouring and mixing o-xylene (from 20 lit. plastic containers) into methyl alcohol (contained in an open plastic barrel kept on floor) through its dense vapour space. Spark generated due to electro static charge during mixing of both Hydro Carbons has initiated the fire into barrel. The fire has propagated through empty plastic container lying in the same room which was used for storage of empty container. The fire continued and engulfed whole the shed and in the process whole the factory razed to debris.



NORTH CIRCLE, FARIDABAD

A. EXPLOSIVE ACT, 1884

A.1 Explosives Rules, 2008

- 1) **Date : 22/03/2016** **Place: Village Kathun, District Kota**
Killed-3 **Injured - 7**

A fire and explosion accident occurred in the fireworks manufacturing facility of Sh. Prem Chand Gupta located at Village Kathun, District Kota on 22/03/2016 at 05:30 pm in the ingredient shed during mixing and filling operation. Three persons died and seven persons were injured in the accident. Aluminum drums bursted and spread like missile in the southward direction. Due to this other sheds also caught fire and resulted in explosion.

A.2 Gas Cylinder Rules, 2004

1. **Date: 17.02.2016** **Place - Chandigarh, District Chandigarh (U.T.)**
Killed-01 **Injured- 02**

Accident occurred at the gas cylinder filling and storage premises of M/s Super Agencies located at Chandigarh during filling of Nitrogen gas cylinder. The cylinder involved in accident appears to be spurious cylinder from its marking.

2. **Date: 10.6.2015** **Place - CNG Station of M/s IGL Okhla Industrial Area**
Phase-1, Delhi
Killed-NIL **Injured- NIL**

Universal shaft of the compressor broke down due to improper alignment which might have impacted other mechanical parts and leading to fire in the compressor.

3. **Date :21/09/2015** **Place:- Patparganj Delhi**
Killed : Nil **Injured : Nil**

Cause of Accident:- The CNG cylinder fitted to Mother Dairy milk van having reduced thickness of the CNG cylinder in the neck portion might have blasted during filling operation.

4. **Date :11/12/2015** **Place – Unlicensed Cylinder storage shop NO-1/125 of**
M/s Gupta Gases located at Mustafabad Delhi.
Killed : 2 **Injured :2**

Cause of Accident: Under Investigation (Preliminary Report is pending).

5. **Date: 14.07.2015** **Place Machhiwara District Khanna (Punjab)**
Killed Nil **Injured : Nil**

Cause of Accident: Accident took place in LPG gas cylinder carrying truck. Accident probably occurred due to leakage of LPG from the cylinder which might have got ignition and lead to explosion of other cylinders loaded in the truck.



A.3 SMPV (U) Rules, 1981

- Date:** 12.06.2015 **Place :** Doraha, District Khanna (Punjab)
Killed- 05 **Injured-** 150
Cause of accident: Accident occurred due to leakage of ammonia gas from one of the two Inlet/Outlet damaged valve and vapour return line valve of the Liquid Ammonia Road Tanker of M/s Agarwal Road Lines Pvt. Ltd., Mumbai. The valves got damaged while the driver of tanker tried to pass the vehicle under the flyover at high speed without assessing the height of under bridge. As a result the tanker got struck under the flyover bridge leading to damage of height barrier and one of the two Inlet/Outlet valve and vapor return line valve on top of the road tanker. This resulted into leakage of ammonia gas from the road tanker and affected the people in the surrounding area of about 2 KMS radius.

B. PETROLEUM ACT, 1934

B.1 Petroleum Rules, 2002

- 1) Date: 14.08.2015** **Place** Mansarovar,, District : JAIPUR, State : Rajasthan
Killed- Nil **Injured- 1**
Fire accident occurred on 14/8/2015, at 01.40 PM at The Petroleum premises located at M/s J.K. petroleum, Brij Lal Pura, ,Ganga Jamna Chouraha, Mansarovar,, District : JAIPUR, State : Rajasthan covered under licence .P/NC/RJ/14/744 (P-47527).
Most probable cause appears to be cleaning of choked vent pipes number by non flame proof vacuum cleaner without following standard operating procedure (S.O.P.). Spark generated by the non flame proof vacuum cleaner caught the fire in Petroleum vapors & resulted into fire accident.
- 2) Date: 31.12.2015** **Place** Jagatpura, JAIPUR,(Rajasthan)
Killed- 1 **Injured- 2**
LPG road tanker bearing registration No.HR-63-B-2041 met with an accident on 31st Dec 2015, at 8.30 PM. The tanker was owned by Mrs Taruna Gauba w/o Ravi Gauba , Mumbai, Kho Nagorian- Jagatpura road, under Jagat pura Pulia, Jagatpura, JAIPUR,(Rajasthan)-Licence No. S/WC/MH/04/5497(S-45355).
Truck bearing registration No. RJ05-GB-2509 coming from Kho-Nagorian site and LPG road tanker bearing registration No. HR-63-B-2041 coming from opposite site malviya Nagar, Jaipur. The accident occurred as Vehicle was over turned after head on collision with a truck and one person with his motor cycle was crushed under the LPG tanker, resulted into accident.
- 3) Date 01.01.2016** **Place : NewDelh**
Killed: 0 **Injured: 0**
Petroleum Oil Pipeline of M/s Indian Oil Corporation Limited, Refineries and Pipelines Division, 809, Kailesh, 26, Kasturba Gandhi Marg, NewDelhi-110001 at chainage 665.550 kms, approx. in Western Region Pipeline (WRPL), Beawar-Sanganer section of Mundra-Panipat Crude Oil Pipeline, village lasani, Beawar, Distt. Ajmer (Rajasthan). at about 05:58 pm.



EAST CIRCLE, KOLKATA

A. EXPLOSIVE ACT, 1884

A.1 Explosives Rules, 2008

1. **Date- 06.05.2015- Killed-12** **Place: Vill. Brahmonbar, Dist.Paschim Medinipur, W.Bengal, Injured-4.**
A Fire accident took place in the unauthorized fireworks premises at Vill. Brahmonbar, Dist. Paschim Medinipur, West Bengal. Manufacturing of fireworks was being carried in a poultry farm shed unauthorizedly. At 21.30 hrs. some of the labourers were smoking As a result of this, there was a deafening sound heard and fire broke out in the shed where huge quantity of raw materials and finished fireworks were stored.
2. **Date: 03.07.2015 - Killed: Nil** **Place: Vill. Nandi, P.S. Jamuria, Dist. Burdwan, West Bengal Injured: 1**
Explosion occurred in the detonator magazine of M/s. India Explosives, situated at Survey No.19, Village Nandi, P.S. Jamuria, Nandi, Dist. Burdwan, West Bengal. Probable cause of accident may be the lightning which had occurred on 03.7.2015 and struck the detonator magazine. The charge generated could not have been dissipated in the ground due to insufficient earthing which could have induced sufficient voltage to initiate sensitive electric detonators probably kept very close to wall and resulted into explosion.
3. **Date: 26-02-2016 Killed: 1,** **Place: Bargarh, Bargarh, Odisha Injured: 6**
The explosion occurred in portion of residential building where huge quantities of fireworks were stored unauthorizedly. The chain bursting of fireworks continued and the whole building went up in a catastrophic blaze of light, dense smoke, and sound. The aftermath showed debris lying outside and inside as the firework went off in a small space that was full of fireworks comprising of flower pots, variety of aerial items, ground chakras and fancy items.
The spark from electrical short circuiting might have ignited the huge quantity of fireworks stored in the office cum store rooms.

A.3 SMPV (U) Rules, 1981

1. **Date- 09.04.2015 Killed-Nil** **Place: Midnapur Chowringhee, Dist. East Midnapur, W.Bengal Injured-Nil.**
LPG tanker bearing Regn.No. NL-01K-7112 overturned due to application of sudden brake while giving passage to other vehicles, resulting in leakage of LPG from rotogauge.
2. **Date: 14.08.2015 Killed: 1** **Place: Dist. Hooghly, West Bengal Injured: 1**
LPG tanker Regn.No. NL-01-D-7551 was on its way to Haldia. It collided with another



vehicle on NH-2. The vehicle which was in front of the tanker applied sudden brake and driver of ill fated tanker could not control the vehicle resulting in the accident.

3. **Date: 01.07.2015** **Place:** Vill. Pydibheemavaram under J.R. Puram PS,
Dist. Srikakulam, Andhra Pradesh
Killed: Nil **Injured: 1**
LPG tanker Regn.no. NL-01-D-6425 was on its way to Vizag. As per police report, driver was driving dangerously and collided with a tree resulting in damage of front portion of the tanker.
4. **Date: 17.01.2016** **Place:** Chatrapur, Dist-Ganjam, Odisha
Killed: 2 **Injured: Nil**
The LPG tanker overturned and rammed into a roadside shop. The LPG tanker exactly toppled with rotogauge hitting the ground and gas started leaking from damaged rotogauge. The curve with gradient on NH near Chhatrapur College Square clearly obstructs visibility at intersection that predominantly attributes to accidents. The incident exactly occurred at this intersection when the driver suddenly applied brake after spotting the two-wheeler that came in front of the over speeding LPG tanker. In order to save the biker, the tanker driver swerved but lost control of the vehicle.

A. PETROLEUM ACT, 1934

A.1 Petroleum Rules, 2002

1. **Date: 19.06.2015** **Place :** Sambalpur, SAMBALPUR, Odisha
Killed: 1 **Injured: Nil**
Hot work was carried out without the tank compartments, pipes and valves being thoroughly cleaned and certified to be free from inflammable vapour or oil. Thus the flammable vapour in the compartment got ignited during the welding operation resulting in the explosion.
2. **Date: 26.7.2015** **Place:** Mukundapur Vill, District: Rayagada, Rayagada, Odisha
Killed: Nil **Injured: 3**
Tank Truck overturned while negotiating the sharp curve uphill on Bagudi ghat near Mukundapur an accident-prone road. The products loaded in the Tank Truck spilled onto the road downhill. The petroleum vapour came in contact of the source of ignition which resulted into massive fire.
3. **Date: 06.11.2015** **Place:** Fulbari, Silliguri, Dist. Darjeeling, West Bengal
Killed-1 **Injured-3.**
A Fire accident took place in the petroleum tanker no. WB-73C-4921 while carrying out welding work in unauthorized fabrication shop of M/s. B.T. Automobiles, Battalion More, Fulbari, Siliguri, Dist. Darjeeling, West Bengal. The probable cause of accident may be ignition of residual flammable vapor gas mixture present in the tanker by the spark of the welding, thereby caused the explosion.



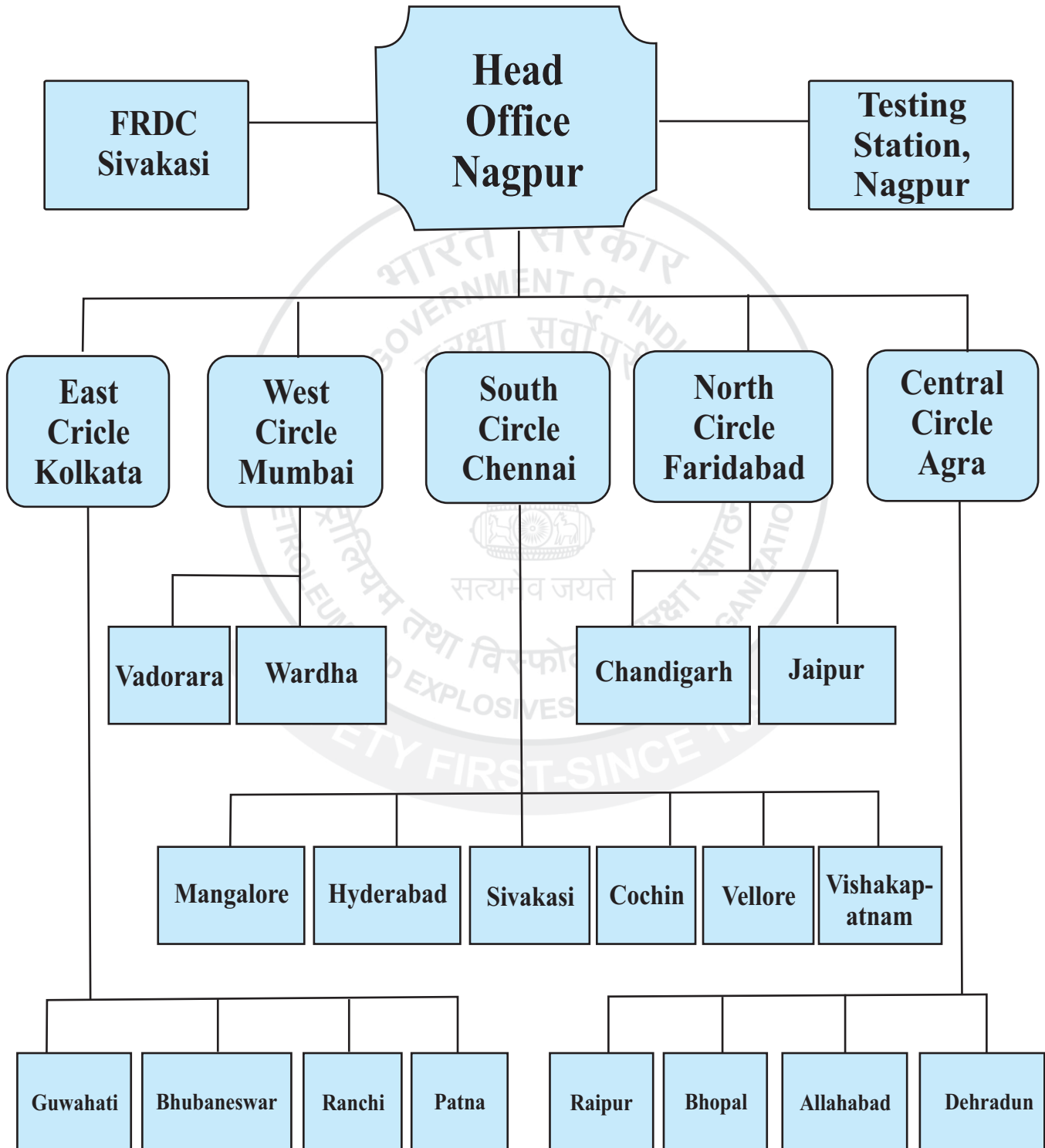
4. **Date: 24.11.2015** **Place: Bhaktinagar, Silliguri, Dist. Darjeeling., West Bengal.**
Killed-1 **Injured-2.**
A Fire accident took place in the petroleum tanker no. NL-02-N-1856 while carrying out welding work in unauthorized fabrication shop of M/s. Kala Garage, Fulbari, Bye Pass, Bhaktinagar, Siliguri, Dist. Darjeeling., West Bengal. The probable cause of accident may be ignition of residual flammable vapor gas mixture present in the tanker by the spark of the welding, thereby caused the explosion.
5. **Date : 10.08.2015** **Place: Mouza-Choudwar, Cuttack, Odisha**
Killed: Nil. **Injured: Nil**
The defective/leaky Class A underground tank was exhumed without being thoroughly cleaned and certified to be free. Thus the flammable vapour in the tank got ignited during the removal operation attributing to fire incident. The spark was generated from the steel wire rope that was tied up with the manhole of the tank for repositioning of the tank.
6. **Date: 6.11.2015** **Place: Brahamapur, Patkura, Dist-Kendrapara**
Killed: Nil **Injured: 1**
The accidental spillage from some filled samples containers of MS and HSD kept in in the sales room instantly caught fire initiated due to spark from electrical short circuit. The other stored 30 litres lubricants containers intensified the inferno unabatedly in the closed room resulting serious burn injury to the manager Shri Chita Ranjan Sahoo.
7. **Date: 30.01.2016** **Place: Paradip, Dist-Jagatsinghpur, Odisha**
Killed: Nil **Injured: Nil**
The fire broke out while opening the T-strainer end flange at pump to clean pump suction strainer as a regular maintenance practice. The pump suction line isolation valve started passing while opening the strainer flange and heavy hot material (Vacuum Residue) at a temperature of about 350°C gushed out and auto ignited resulting into inferno.
8. **Date: 02.05.2015** **Place: Numaligarh, Distt. Golaghat, State-Assam**
Killed: Nil **Injured: Nil**
One of the valves malfunctioned and leaked during the startup operation in Numaligarh Refinery. A fire broke out in the transfer line between furnace and vacuum distillation vessel of VDU which was immediately attended and contained without any casualty or injury.
6. **Date: 11.05.2015** **Place: Golaghat, Assam**
Killed: Nil **Injured: 11**
A pressure safety relief valve got actuated at a pressure below the set pressure from its metallic gasket during start up operation resulting into leakage of gaseous fluid resulting into minor injuries to attending officials and workers 11 people injured were discharged after providing first aid.





ANNEXURE-I

**ORGANIZATIONAL SETUP
OF
PETROLEUM AND EXPLOSIVES SAFETY ORGANIZATION (PESO)**





ANNEXURE-II

JURISDICTION OF THE CIRCLE AND SUB-CIRCLE OFFICES OF THE PETROLEUM AND EXPLOSIVES SAFETY ORGANIZATION (PESO)

Sr.No.	Name of Office/Circle/ Sub-Circle Offices	Address	Jurisdiction	Telephone/Fax Nos.
A	Head Office	E-mail: explosives@explosives-gov.in Website: http://peso.gov.in		
01	Nagpur	Chief Controller of Explosives Petroleum And Explosives Safety Organization Block "A", 5th Floor C.G.O. Complex Seminary Hills Nagpur 440 006(M.S.)	Whole India	STD Code (0712) 2510103, 2510580 2510459, 2510389 2510579, 2511512, 2512006, 2510072, 2512091, 2510139, 2512093, 2512094, 2512257 EPABX No-2510248 Fax No. -2510577
B.	West Circle	E-mail : jtccemumbai@explosives.gov.in		
01	Navi Mumbai	Joint Chief Controller of Explosives, A-1 & A-2 Wing, 5 th Floor, C.G.O. Complex, CBD Belapur, Navi- Mumbai 400614. (M.S.)	Gujarat, Goa, Daman & Diu, Dadra and Nagar Haveli and Districts of Akola, Washim, Hingoli, Parbhani, Ahmednagar, Aurangabad, Beed, Buldana, Dhule, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Nagpur, Nandurbar, Nasik, Osmanabad, Pune, Raigad, Ratnagiri, Mumbai Suburban, Sindhudurga, Solapur, Sangli, Satara, Thane of Maharashtra State.	STD Code (022) 27564941(D) 27573881 Fax No.- 27575967
Sub.Circle Office				
02	Vadodara	Dy. Chief Controller of Explosives, 8 th Floor, Yash Kamal Building Opposite MS University Sayajigunj, Vadodara – 390020	Gujarat	STD Code (0265) 2361035, 2225159 Fax No.- 2225952
Sub.Circle Office				
03	Wardha	Controller of Explosives, Plot NO 36 &37, Ward No 18, Rathi Layout, Rashtrabhasha Road, Wardha 442001 (M.S.)	Wardha, Yeotmal, Nanded, Bhandara, Gondia, Chandrapur, Gadchiroli of State of Maharashtra	STD Code (07152) 245006 Fax No.- 230370



C. East Circle		E-mail: jtceekolkata@explosives.gov.in		
01.	Kolkata	The Joint Chief Controller of Explosives, 8 Explanade East, 1 st Floor, Kolkatta 700069 (W.B.)	West Bengal, Bihar, Orissa, Assam, Manipur, Tripura, Arunachal Pradesh, Meghalaya, Mizoram, Sikkim, Nagaland, Andaman & Nicobar Islands	STD Code (033) 22480427, 22486600, 22489524, 22420686 Fax No.-22439322
Sub-Circle Office				
02.	Guwahati	Dy. Chief Controller of Explosives, GNB Road, Near Bhuyan Manson, 4 th Floor, Panchwati, Silpukhuri, Guwahati 781003 (Assam)	Assam, Sikkim Manipur, Tripura, Nagaland, Arunachal Pradesh, Meghalaya and Mizoram (Covering all the North-Eastern States)	STD Code (0361) 2662783, 2655144 Fax No.-2662503 dycceguwahati@explosives.gov.in
Sub-Circle Office				
03.	Ranchi	Dy. Chief Controller of Explosives, Sri Mohan Building, 'Sita Compound, 5, main Road, Behind Sushila Automobiles, Ranchi-834001 (Jharkhand)	Jharkhand state	STD Code (0651) 2332689, 2332690 Fax No.-2332688 dycceeranchi@explosives.gov.in
Sub-Circle Office				
04.	Bhubaneswar	Dy. Chief Controller of Explosives, F-35/A, BJB Nagar, Bhubaneswar-751014 District Khurda, Odisha	Odisha	STD Code (0674) 2433370, 2433390 Fax No.- 2430656 dyccebhub@explosives.gov.in
Sub-Circle Office				
05.	Patna	Controller of Explosives, 1 st Floor, Mahabir Complex, Adarsh Colony, Road No 2, Khemnichak, P.O.O. New Jananpura, Patna-800027	Bihar	STD Code (0612) 2390914 Fax No.-2390913 cepatna@explosives.gov.in
D. South Circle		E-mail: jtceechennai@explosives.gov.in		
01.	Chennai	The Jt.Chief Controller of Explosives, South Circle, A'' wing, 2 nd floor, Shastri Bhavan, 26, Haddows Road, Nungambakkam. Chennai-34	Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Pondicherry & the Lakshadweep islands	STD Code (044) Tel:, 28281041, 28287118, 28281023 Fax No.- 28514848



Sub-Circle Office				
02.	Ernakulam	The Dy.Chief Controller of Explosives, C2, 3 rd Floor, Kendriya Bhawan, Opp.CSEZ, Kakkanad, Ernakulam, Ernakulam-682 037	Kerala, Mahe in the Union Territory of Pondicherry and Lakshadweep.	STD Code (0484) Tel.: 2427286 Fax No.2427276
Sub-Circle Office				
03.	Mangalore	The Dy.Chief Controller of Explosives, 2 nd floor, CITI CENTRE, Balmatta Road, Mangalore-575001	Karnataka	STD Code (0824) 2420167, 2441588 Fax No.-2423937
Sub-Circle Office				
04.	Sivakasi	Dy. Chief Controller of Explosives, FRDC, Behind ESI Hospital, District Virudhunagar, Sivakasi West, Sivakasi-626124 (T.N.)	Districts of Ramanathapuram, Virudhunagar, Sivagangai, Madurai, Theni, Dindigul, Tirunelveli, Tuticorin, Thanjavur, Thiruvarur, Nagapattinam, Kanyakumari	STD Code (04562) 254353, 254253 Fax No.- 255233
Sub-Circle Office				
05.	Vellore	The Controller of Explosives, No.3, V East Cross Street, Gandhi Nagar, Vellore – 632 006	T.E.L. Factory, Vellore Districts of Vellore, Thiruvannamalai, Dharmapuri Krishnagiri and Salem	STD (0416) 2241642 FaxNo.– 2242513
Sub-Circle Office				
06.	Hyderabad	Dy. Chief Controller of Explosives, Room No. 602, 6th floor, C.G.O. Towers, Kavadi guda, Secunderabad, Secunderabad	Telangana State, Yenam in the Union Territory of Pondichery	STD (040) 27540359, 27547863 Fax No. 27547803
Sub-Circle Office				
07.	Visakhapatnam	Dy. Chief Controller of Explosives, D.No.17-20-13, Kirlampudi Layout, Visakhapatnam - 530017	Andhra Pradesh, Yenam in the Union Territory of Pondicherry	STD (0891) 2722258 Fax No. 2722259
E. Central Circle				
E.	Central Circle	E-mail: jtceagra@explosives.gov.in		
01.	Agra	Jt Chief Controller of Explosives, Kendralaya, A-Wing, II Floor, 63/4, Sanjay Palace, Agra-282 002 (U.P)	Uttar Pradesh and Madhya Pradesh, Uttaranchal and Chattisgarh	STD (0562) 2521322, 2850161, 2523244, 2523266 Fax No.- 2527436 email - jtceagra@explosives.gov.in



Sub-Circle Office

02.	Allahabad	Dy. Chief Controller of Explosives, House No. 326-C, Kamala Nagar, Near Abkari Chauraha, Stenley Road, Allahabad-211 002 (U.P.)	Allahabad, Ambedkarnagar, Azamgarh, Balarampur, Ballia, Basti Bhadohi, Chandauli, Deoria, Faizabad, Ghazipur, Gonda, Gorakhpur, Jaunpur, Sant Kabirnagar, Kushambi, Kushinagar, Mirzapur, Mau, Mahrajganj, Pratapgarh, Shrawasti, SiddharthNagar, Sonbhadra, Sultanpur, Varanasi Districts of Uttar Pradesh	STD (0532) 2250329, 2441491 Fax No.- 2644964 Email: dycceallahabad@explosives.gov.in
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Sub-Circle Office

03.	Bhopal	Dy. Chief Controller of Explosives, E-7/41, Lala Lajpat Rai Society, Near 12 No. Bus Stop, Arera Colony, Bhopal -462016 (MP)	State of Madhya Pradesh	STD (0755) 2420775, 2445270 Fax No.- 2429997 email: dyccebhopal@explosives.gov.in
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Sub-Circle Office

04.	Dehradun	Controller of Explosives, 42/1, Indira Nagar, Near Asian School, Dehradun-248006, Uttarakhand.	State of Uttarakhand	STD (0135) 2769780 Fax No.-2769794 email: cedehradun@explosives.gov.in
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Sub-Circle Office

05.	Raipur	Controller of Explosives, Main Road, Avanti Vihar Colony, Raipur-492006. Chhattisgarh	State of Chhattisgarh	STD (0771) 2442204 Fax No.- 2442204 email: ceraipur@explosives.gov.in
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F. North Circle

E-mail: jtccefaridabad@explosives.gov.in

01.	Faridabad	Jt Chief Controller of Explosives, Hall No 502 & 507, Level-5, Block-B, Old CGO Complex, NH-4, Faridabad – 121001 (Haryana)	Haryana, Delhi, Rajasthan, Chandigarh, Punjab, Himachal Pradesh and Jammu & Kashmir.	STD (0129) 2410730, 2410770, 2410732, 2410734, 2410731, 2421388 Fax No.- 2410733
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**Sub-Circle Office**

02.	Chandigarh	Dy. Chief Controller of Explosives, Shop cum office building, 1134/1135, Sector 22/B, Chandigarh - 160 002	Chandigarh, Punjab, Himachal Pradesh and Jammu & Kashmir	STD (0172) 2702586, 2727234 Fax No.- 2725839 dcechandigarh@explosives.gov.in
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Sub-Circle Office

03.	Jaipur	Dy. Chief Controller of Explosives, Amrapali Road, Near Power House, Vaishali Nagar, Jaipur 302021 (Raj.)	Rajasthan	STD (0141) 2356731, 2356781 Fax No.- 2350279 dccejpr@explosives.gov.in
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G. Departmental Testing Station

01.	Gondkhairy	Dy. Chief Controller of Explosives, Departmental Testing Station, 18 K.M. Stone, Amravati Road, Post Gondkhairy, Via Wadi, District:Nagpur-440023(M.S)	Nagpur and Amravati (for inspection only)	STD (07104) 280374, 280305 Fax No.- 280565
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H. FRDC

01.	Sivakasi (FRDC)	Fireworks Research and Development Center, Behind ESI Hospital, District Virudhunagar, Sivakasi West, Sivakasi- 626124 (T.N.)		STD (04562) 254402, Fax No.- 254404
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I. Pay & Accounts Office

01.	Nagpur	Pay & Accounts Officer, C.G.O. Complex, Block "C", 1 st Floor, Seminary Hills, Nagpur 440 006 (M.S.)		STD (0712) 2510819 Fax No.- 2510819
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ANNEXURE-III

SANCTIONED STRENGTH OF OFFICERS & STAFF
OF THE ORGANIZATION

		HO	DTS	FRDC	CHEN	KOL	FBD	Agra	MUM	Sub Circle offices	TOTAL
Sl.	Name of the post										
1	Chief Controller of Explosives	1	0	0	0	0	0	0	0	0	1
2	Jt. Chief Controller of Explosives	2	0	0	1	1	1	1	1	0	7
3	Dy. Chief Controller of Explosives	4	0	1	1	1	1	1	1	13	23
4	Controller of Explosives	6	1	1	5	4	4	4	5	16	46
5	Dy. Controller of Explosives	2	1	2	7	6	3	4	6	29	60
6	Accounts Officer	1	0	0	0	0	0	0	0	0	1
7	Administrative Officer	1	0	0	0	0	0	0	0	0	1
8	Private Secretary	1	0	0	0	0	0	0	0	0	1
9	Hindi Officer	1	0	0	0	0	0	0	0	0	1
10	Senior Technical Assistant	0	3	2	0	0	0	0	0	0	5
11	Senior Hindi Translator	1	0	0	0	0	0	0	0	0	1
12	Steno - I	4	0	0	1	1	1	1	2	0	10
13	Superintendent	4	0	0	3	3	3	3	3	0	19
14	Assistant	9	1	0	2	2	3	2	2	13	34
15	Lib- Assistant	1	0	0	0	0	0	0	0	0	1
16	Accountant	1	0	0	1	1	1	1	1	0	6
17	Upper Division Clerk	12	2	1	9	8	4	5	9	21	71
18	Lower Division Clerk	18	1	1	5	3	3	4	4	19	58
19	Steno-II	2	1	0	1	1	1	1	1	13	21
20	Steno-III	1	0	1	2	1	1	1	1	13	21
21	Jr. Technical Assistant	0	4	2	0	0	0	0	0	0	6
22	Jr. Hindi Translator	0	0	0	1	1	1	1	1	0	5
23	Driver	2	1	1	1	1	1	1	1	13	22
24	MTS/ Group D	10	5	4	5	5	4	5	5	16	59
	TOTAL A+B & C	84	20	16	45	39	32	35	43	166	480



ANNEXURE-IV

PRODUCTION OF EXPLOSIVES DURING THE YEAR 2015-2016

Sr. No.	Explosives	Class	Quantity Metric Tonnes, Million Mtrs, Million Nos.
1	Gun Powder	1 Div. 0	552.165
2	Nitrate Mixture	2 Div. 0	378989.957
3	SME	2 Div. 0	762850.379
4	PETN+Cast Booster	3 Div.2	7996.384
5	Safety Fuse	6 Div. 1	61.1
6	Detonating Fuse	6 Div. 2	479.6
7	Detonators(all kinds)	6 Div. 3	969
8	Micro Cord	7 Div. 3	201.270

ANNEXURE –V

IMPORT & EXPORT OF EXPLOSIVES**IMPORT**

During the year 2015-2016, 101 number of licenses were issued for importation of short delay detonators and specific type of explosives for use in exploration by Oil India Ltd., Cairn Energy India Ltd., BG Exploration & Production India Ltd., HLS Asia Ltd., Oil & Natural Gas Corporation Limited, Niko Resources Limited, Reliance Industries Limited, GeoEnpro Petroleum Limited, Great Eastern Energy Corporation Limited, Joshi Technologies International Inc., Schlumberger Asia Services Limited, Gujarat State Petroleum Corporation Limited, Electronics Corporation of India Limited, Indian Explosives Limited, Rajasthan Explosives & Chemicals Limited, Ideal Detonators Pvt. Ltd., Selan Exploration Technology Ltd., Focus Energy Ltd., Premier Explosives Ltd., OAO “Gasprom”, Premier Oil (North East India) BV, Essar Oil Ltd., and Marine Safety Products, A. S. Moloobhoy & Sons, SHM Shipcare for shipping signals (Pyrotechnics) and Srijan Systems Pvt. Ltd., for pyrotechnics scare cartridges (Anti Bird Devices) by use of Airports Authority of India and Air Force Stations.

EXPORTS

During the year 2015-16, 324 nos. of licenses were granted for exportation of explosives and value of explosives exported was worth Rs. 285 Crores.

**DESTRUCTION OF EXPLOSIVES DURING THE YEAR 2015-2016**

Class-1	62.99 kg.
Class-2	113607.92 kg.
Class-3 Dvi.2	87.75 kg.
Class 6 Div.1	16629.76 mtrs.
Class 6 Div.1 (nos)	1520 Nos.
Class 6 Div.2	153297.48 mtrs.
Class 6 Div.2 (nos)	1205 nos.
Class 6 Div.3	1498272 nos.
Class 7 Div.2	7065.83 kg.
Class 7 Div.2 (2)	8021 Nos.
Ammonium Nitrate	5627.05 kg.

**PRODUCTION, IMPORT & EXPORT OF GAS CYLINDERS,
VALVES & REGULATORS****GAS CYLINDERS & VALVES**

A Comparative statement of production of Cylinders, Valves & Regulators During 2012-2013 2013-2014 & 2015-16 is given below.

Sr. No.	Items Manufactured	Nos. Manufactured During		
		2013-14	2014-15	2015-16
01.	Welded load Carbon steel Gas Cylinders For			
	a. LPG	8,261,195	10,656,085	1,71,69,909
	b. Dissolved Acetylene Gas	398	817	-
	c. Other low pressure Liquefiable Gas	7037	2672	-
	Total (a + b + c)	82,68,630	10,659,574	1,71,69,909
02.	Welded Large Containers for low pressure Liquefiable Gas		300	
03.	Seamless Steel Cylinders for Permanent & high pressure Liquefiable Gas	6,90,656	7,28,530	7,65,709
04.	Valve for :			
	a. LPG Cylinders	3,09,84,685	3,28,92,276	3,31,82,875
	b. Other Gas Cylinders.	97,594	56,808	23,539
	Total (a + b)	3,10,82,279	3,29,49,084	3,32,06,414
05.	Low Pressure LPG Regulators.	93,91,814	10,327,945	1,64,91,267

IMPORT OF CYLINDERS

A numbers of high purity permanent gases & gas mixtures are required to be imported duly filled in cylinders to meet the requirements of Trade & Industry. It is, therefore, becomes necessary to allow import of large numbers of cylinders from various Countries. During the year 2015-16, 903 Licenses were granted to cover importation of 60110 cylinders filled with various gases/ gas mixtures & 102540 numbers empty Cylinders for filling with compressed gases including empty CNG cylinders for automobiles use.

EXPORT OF COMPRESSED GAS FILLED IN CYLINDERS

During the year 102540 empty cylinders/containers were imported & re-exported duly filled with gas.



ANNEXURE-VIII

LIST OF MANUFACTURERS OF LPG VALVES
(Approved during 01.04.2015 to 31.03.2016)

Sr	Name and address of the Company
1.	Nil

ANNEXURE-IX

LIST OF MANUFACTURERS OF LPG CYLINDERS
(Approved during 01.04.2015 to 31.03.2016)

Sr. No.	Name and address of the Company
1.	M/s. Timblo Drydocks Pvt Ltd., Survey NO 28/1, Xelvona, Curchorem – 403706, Goa
2.	M/s. Redson Engineers Private Limited, F-9/B, Phase 1, IDA Jeedimetla, Hyderabad- 500055
3.	M/s. Sahuwala Cylinders (P) Limited (Unit-III), 244. D Block, Autonagar, Visakhapatnam – 530012
4.	M/s. Econ Cylinders (P) Limited (Unit-II), Plot NO 4, 5 th Cross, G- Block, Autonagar, Visakhapatnam - 530012

LIST OF MANUFACTURERS OF LPG REGULATORS
(Approved during 01.04.2015 to 31.03.2016)

Sr	Name and address of the Company
1.	Nil

ANNEXURE-X

LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS
(Approved during 01.04.2015 to 31.03.2016)

Sr	Name and address of the Company
1.	---Nil---

LIST OF MANUFACTURERS OF OTHER THAN LPG VALVE
(Approved during 01.04.2015 to 31.03.2016)

Sr	Name and address of the Company
1.	Nil



LIST OF APPROVED PRESSURE VESSEL FABRICATOR
(Approved during 01.04.2015 to 31.03.2016)

Sr. No.	Name and address of the Company
1	M/s. NIRMAL INDUSTRIAL CONTROLS PVT. LTD., Sy.No. 136/1, (P), Asangaon, Taluk Shahapur, Dist. Thane – 421 601 MAHARASHTRA
2	M/s. JEYA ENGINEERING AND INFRASTRUCTURE PVT. LTD., 324, South Beach Road, Tutirocin – 628 001 TAMILNADU
3	M/s. OSWAL INFRASTRUCTURE LTD., Block No. 258, Ahmedabad Mehsana Expressway, Village Ola, Post Isand, Taluk Kalol, Dist. Gandhinagar – 382 740 GUJARAT
4	M/s. VIKAS ENGINEERING & FABRICATORS, 3 KM. Mile Stone, Jind Road, (Near Gurukul) Rohtak – 124 001 HARYANA
5	M/s. CRYOGAS EQUIPMENT PRIVATE LIMITED, A-36, Ghanshyam Nagar, Society-2, GIDC Road, Manjusar, Vadodara 390 011 GUJARAT
6	M/s. IOT ANWESHA ENGINEERING & CONSTRUCTINO LTD., IOT Anwasha House, Senate Square, A Tower, vuda Road, Gotri , Baroda – 390 021 GUJARAT
7	M/s. PRECISE VACUUM SYSTEMS PVT. LTD. H-39, MIDC Ambad, Nashik – 422 010 MAHARASHTRA
8	M/s. SHAKTI HI-TECH CONSTRUCTION PVT. LTD., No. 33, T.K.M. Road, Melavalam Village, Karunguzhi PO., Madurangthangam T.K., Kancheepuram – 603 303
9	M/s. Naran Lala Pvt. Ltd., Post Box NO. 20, Navsari- 396 445, Dist. Navsarai GUJARAT
10	M/s. SATYAM INDUSTRIES, Plot No. 286, Sector-7, PCNTDA, Bhosari, Pune – 411 026 MAHARASHTRA
11	M/s. Mahathi Infra Services Pvt.Ltd. House NO. 1-62-191, Plot No. 191, 1st Floor, Tagore Towers, Kavuri Hills, Madhapur, Hyderabad – 500 033

**SME Licence Granted During 01/04/2015 to 31/03/2016**

Sr. No.	Name of Company	Licence No.
1	M/s. IDL Explosives Limited	E/HQ/RJ/SM/13 (E75837)
2	M/s. Indian Explosives Ltd.	E/HQ/RJ/SM/16 (E90544)
3	M/s. Shree Cement Ltd.	E/HQ/CG/SM/25 (E79034)
4	M/s. Indian Explosives Ltd.	E/HQ/RJ/SM/15 (E85046)
5	M/s. Indian Oil Corporation Ltd.	E/HQ/RJ/SM/14 (E84718)
6	M/s. Indian Oil Corporation Ltd.	E/HQ/JH/SM/19 (E76987)

ANNEXURE-XIII

TESTING OF PETROLEUM VESSELS IN 2015-2016

The Officers of the Organization issued **1825** gas free certificates during the year 2015-16 after testing oil tanks pump rooms etc. of petroleum tankers/vessels at Mumbai, Alang (Gujarat), Kolkata, Visakhapatnam, Mangalore, Chennai and Cochin ports.

Though tankers due for breaking by dismantling and cutting in Ship Breaking Yards are not petroleum carrying vessels, the Organization considering the hazards associated and safety of workers involved, has been extending its services for examination and testing such vessels for their gas free conditions for the purpose of Dock Entry and Man Entry and hot work. This has helped the ship breaking industry to grow and develop as the second largest such industry in the world.

COURT ATTENDANCE

During the year 2015-16, officers of the Organization attended law courts on **56** occasions for tendering expert technical evidence in cases of prosecution under various sections of the Explosives Act 1884 and the Explosives Substance Act 1908.



WORKING OF REFINERIES FOR THE PERIOD OF 01/04/2015 TO 31/03/2016

Sr. No.	Name of Refinery	Crude Oil Processed	Installed capacity	LPG Produced	LPG Marketed	No. of Accident	EXPORT	
		MMT	MMT	MMT	MMT		Quantity (in MMT)	Value (in Crores)
1	IOCL Digboi	56.183193	0.65	0.881538	0.88154	0	0	0
2	IOCL Panipat	15.282365	15	0.767515	0.76374	0	0.109408	166.09
3	IOCL, Guwahati	0.903523	1	0.039257	0.0393		0	0
4	IOCL, Barauni	6.544753	6	0.335956	0.33576	0	0	0
5	IOCL, Haldia	7.776413	7.5	0.245008	0.24379	0	415,6	0
6	IOCL, Vadodara	13.8199	13.7	0.554254	0.55308	1	0.468707	1762.4
7	IOCL, Mathura	8.860277	8	0.44538	0.44393	1	0	0
8	IOCL, Bongaigaon	2.441663	2.35	0.057573	0	0	0.002306	2.39
9	IOCL, Paradip Odisha	1.816682	1.5	0.086663	0.08238	2	0	0
10	HPCL, Mumbai	8.013202	6.5	0.405478	0.40394	0	0	0
11	HPCL, Visakh	92.192122	8.3	4.191919	41.8965	4	0.245945	559.85
12	BPCL, Mumbai	13.41	13	1048	4874	0	1.9	430
13	Essar Oil Ltd.	19.107087	20	0.761014	0.75886	0	0	0
14	BPCL, Kochi Refinery	10.708254	9.5	0.558462	0.55773	0	0.667004	1460.75
15	CPC Limited, Cauvery Basin Refinery	0.543558	1	0.018824	0.0188	0	0.164	440
16	CPCL, Manali	9.100137	10.5	0.282428	0.28355	7	0.746	1694
17	Numaligarh Refinery Ltd., Assam	2.520269	3	0.045844	0.04676	3	0.002423	6.85
18	RIL, Jamnagar, SEZ Refinery Division	37.133	35.2	0.814	0.814	7	33.506	102585.741
19	RIL, DTA	32.41	33	0.376	0.376	6	7.732	20408.842
20	MRPL, Limited	15.53	15	803.348	809.96	1	3.45	
21	Bharat Oman, Refinery Bina	0	6	0.207729	0.20899	0	0	0
22	HPCL Mittal Energy Ltd.	10.713306	9	0.843523	0.84322	0	0.231072	544.18
	Total	365.0097	225.7	1863.266	5733.51	32	49.22487	130061.093

