

ANNUAL REPORT 2016-2017



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 05/09/1898, 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 3 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 (5 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 Subordinate 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 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. These rules were again reviewed, simplified and replaced by new Gas Cylinder Rules, 2016 with effect from 22/11/2016. CNG & CBG has been included in the said rules as per present requirements.

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 to cover new fields like cryogenic liquids, Auto LPG Dispensing Stations etc and replaced by new Static and Mobile Pressure Vessels (Unfired) Rules, 2016 with effect from 01/12/2016.

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. 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, 2016

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 Gas Cylinders Rules, 2004. These rules were again reviewed due to liberalized policy of Government of India, were simplified and replaced by new Gas Cylinder Rules, 2016 with effect from 22/11/2016. CNG & CBG have been amended in the said rules as per present requirements.

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, 2016 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, 2016

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

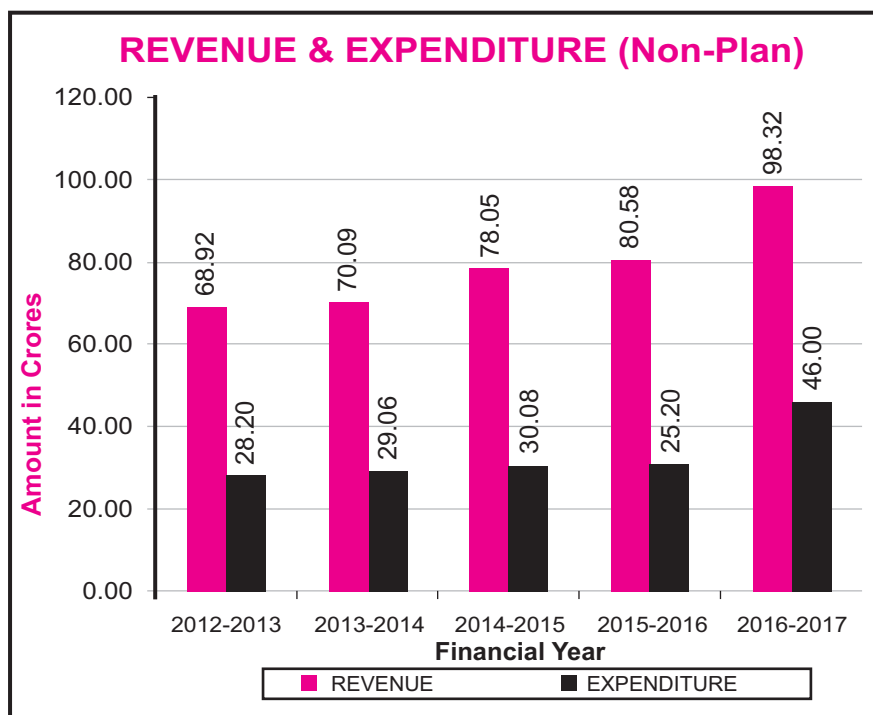
The sanctioned strength of the organization at present is **137 Group 'A' officers and 343 Group 'B' and 'C' officials**. Out of the above, **18** posts of Group 'A' and **74** Group 'B' and 'C' officials are lying vacant due to various administrative procedures and reasons. The Petroleum and Explosives 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 organizations 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 2016-17 (B.E.), budget granted for organization under non-plan was Rs. 37,20,00,000 and under plan it was Rs. 8,80,00,000 During the year, the expenditure under non-plan budget was Rs 36,85,33,018 and under plan budget it was Rs.8,72,87,215/-.

4.3 REVENUE

During the year 2016-17, the organization earned revenue of Rs 98,32,31,445/- on account of fees for the services rendered under various acts and rules which includes Rs. 70,52,83,491/- under Explosives Act and Rs. 27,79,47,954/- 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 composition 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	170
	Pentolite Booster Class-3 Div.2	12
	Fireworks Class-7	530
	Safety Fuse Class-6 Div.1	10
	Gun Powder Class-1	06
	Detonators Class-6 Div.3	169
	Detonating Fuse Class-6 Div.2	34
2.	CFB Packages of Explosives	
	Samples for new approval propose	38
	Samples drawn by Circle/Sub- Circle officers	156
3	Petroleum tank truck safety fittings	59

E. DESTRUCTION OF EXPLOSIVES/ SAMPLE REMNANT DESTROYED

Name	Total Quantity
Class-2 Explosives	687 Kgs.
Gun Powder	1Kg
Cast Booster	4 Kgs.
Safety Fuse	60 Mtrs.
Detonating Fuse	-
OD, ED, DD, Nonel, SD	-
Fireworks	19.5 Kgs.

F. DESTRUCTION OF UNSERVICEABLE EXPLOSIVES

Class-1	-
Class-2	8168 Kgs
Class-3 Div.2	-
Class-6 Div.1	1450 Mtrs.
Class-6 Div.2	-
Class-6 Div.3	187054 Nos
Class-7 Div.2	184.7 Kgs



G. REVENUE

During the year 2016-17, Departmental Testing Station has earned revenue of **Rs. 66,14,559/-**

Training Programmes Conducted :-

- 1) Orientation Training programme for new Dy. Controller of Explosives on 24/04/2016 to 30/04/2016 at DTS.
- 2) Capacity Building programme for Controller of Explosives on 26/05/2016 to 27/05/2016 at DTS.
- 3) Capacity Building programme for Dy. Controller of Explosives on 23/06/2016 to 24/06/2016 at DTS.
- 4) Training programme on “Safety during Handling & Transportation of Explosives for Drivers of Explosives Road Van connected to explosives factories in Nagpur and Wardha District on 08/07/2016 at DTS.
- 5) Training programme for LPG Tank Lorry of Drivers on “Safe Handling & Transportation of Flammable Compressed Gases in Road Tankers” connected to LPG Bottling Plants of M/s. IOCL, HPCL and BPCL of Maharashtra on 15/07/2016 at DTS.
- 6) Workshop for DDO & Accounts of PESO on 22/07/2016 at DTS.
- 7) Training programme for Petroleum Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum products” connected to Depots of M/s. IOCL, HPCL and BPCL of Maharashtra on 05/08/2016 at DTS.
- 8) Training programme for LPG Tank Lorry of Drivers on “Safe Handling & Transportation of Flammable Compressed Gases in Road Tankers” connected to LPG Bottling Plants of M/s. IOCL, HPCL and BPCL of Maharashtra on 19/08/2016 at DTS.
- 9) Workshop on RTI Act for PESO CPIO on 26/08/2016 at DTS.
- 10) Training programme for Petroleum Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum products” connected to Depots of M/s. IOCL, HPCL and BPCL of Maharashtra on 09/09/2016 at DTS.
- 11) Training programme for LPG Tank Lorry of Drivers on “Safe Handling & Transportation of Flammable Compressed Gases in Road Tankers” connected to LPG Bottling Plants of M/s. IOCL, HPCL and BPCL of Maharashtra on 16/09/2016 at DTS.
- 12) Training programme on “Safety during Handling & Transportation of Explosives for Drivers of Explosives Road Van connected to explosives factories in Nagpur and Wardha District on 23/09/2016 at DTS.
- 13) Workshop on Safety regulation on Safe Handling & Storage of Fireworks during Festival season for fireworks dealers and shop owners, police and District Authority officials on 14/10/2016 at DTS.
- 14) Training programme for Petroleum Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum products” connected to Depots of M/s. IOCL, HPCL and BPCL of Maharashtra on 11/11/2016 at DTS.
- 15) Training programme for LPG Tank Lorry of Drivers on “Safe Handling & Transportation of Flammable Compressed Gases in Road Tankers” connected to LPG Bottling Plants of M/s. IOCL, HPCL and BPCL of Maharashtra on 18/11/2016 at DTS.
- 16) Training programme for Public Record Officers of PESO on 25/11/2016 at DTS.
- 17) Training programme on “Safety during Handling & Transportation of Explosives for Drivers of Explosives Road Van connected to explosives factories in Nagpur and Wardha District on 09/12/2016 at DTS.



- 18) Training programme for Petroleum Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum products” connected to Depots of M/s. IOCL, HPCL and BPCL of Maharashtra on 16/12/2016 at DTS.
- 19) Training programme for Petroleum Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum products” connected to Depots of M/s. IOCL, HPCL and BPCL of Maharashtra on 23/12/2016 at DTS.
- 20) One day training programme for Competent persons & Supervisors working in explosives factories in Nagpur & Wardha District on “Safety regulations during manufacture, storage, transport and Handling of Explosives” on 30/01/2017 at DTS
- 21) Training programme for LPG dealers & Godown Managers in the District of Nagpur on “Maintainance of LPG godown & safe handling of Cylinders” (Batch size 60 candidates) on 10/02/2017 at DTS
- 22) Training programme for LPG dealers & Godown Managers in the District of Amravati on “Maintainance of LPG godown & safe handling of Cylinders (Batch size 60 candidates) on 28/02/2017 at DTS.
- 23) Training programme for LPG dealers & Godown Managers in the District of Chandrapur & Gadchiroli on “Maintainance of LPG godown & safe handling of Cylinders (Batch size 60 candidates) on 10/03/2017 at DTS
- 24) Training programme for LPG dealers & Godown Managers in the District of Bhandara & Gondia on “Maintainance of LPG godown & safe handling of Cylinders (Batch size 60 candidates) on 24/03/2017 at DTS.
- 25) Training programme for LPG dealers & Godown Managers in the District of Wardha & Yeotmal on “Maintainance of LPG godown & safe handling of Cylinders” (Batch size 60 candidates) on 31/03/2017 at DTS.



Lectures :-

- 1) Shri R.A. Gujar, Dy. CCE has delivered lecture on “Refining of Petroleum” at DTS during the orientation training programme for Newly Recruited Dy. Controller of Explosives on 28/04/2016.
- 2) Shri R.A. Gujar, Dy. CCE has delivered lecture on “Basics of Explosion Proof Electrical Equipments / Apparatus for installation at Hazardous Area” at DTS during the orientation training programme for Newly Recruited Dy. Controller of Explosives on 28/04/2016.
- 3) Shri R.A. Gujar, Dy. CCE has delivered lecture on “General Administration & CCS Conduct Rules” at DTS during the orientation training programme for Newly Recruited Dy. Controller of Explosives on 30/04/2016.
- 4) Shri C. Shanmugam, CE has delivered lecture on “Manufacture of Gun powder and Safety Fuse” at DTS during the orientation training programme for Newly Recruited Dy. Controller of Explosives on 30/04/2016.
- 5) Shri R.A. Gujar, Dy. CCE has delivered lecture on “Selection of flame Proof Equipmetns in Explosives Area” at DTS during training programme for Controller of Explosives on 26/05/2016.
- 6) Shri R.A. Gujar, Dy. CCE has delivered lecture on “Refineries - Approval” at DTS during training programme for Controller of Explosives on 27/05/2016.
- 7) Shri A. B. Tamgadge, CE has delivered lecture on “Demonstrate Explosives Blasting and delivered lecture role and function of DTS on 21/06/2016 39 nos. of trainees' from NCDC, Nagpur visit at DTS.



- 8) Shri A. B. Tamgadge, CE has delivered lecture on “Safety during Handling & Transportation of Explosives” during training programme organized by DTS for drivers of explosives road van connected to explosives factory in Nagpur and Wardha District on 08/07/2016.
- 9) Shri A. B. Tamgadge, CE has delivered lecture 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 on 15/07/2016.
- 10) Shri A. B. Tamgadge, CE has delivered lecture 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 on 05/08/2016.
- 11) Shri A. B. Tamgadge, CE has delivered lecture 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 on 09/09/2016.
- 12) Shri A. B. Tamgadge, CE has delivered lecture 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 on 16/09/2016.
- 13) Shri A. B. Tamgadge, CE has delivered lecture on “Safety during Handling & Transportation of Explosives” during training programme organized by DTS for drivers of explosives road van connected to explosives factory in Nagpur and Wardha District on 23/09/2016.
- 14) Shri A. B. Tamgadge, CE has delivered lecture 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 on 14/10/2016.
- 15) Shri A. B. Tamgadge, CE has delivered lecture 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 on 11/11/2016.
- 16) Shri A. B. Tamgadge, CE has delivered lecture 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 on 18/11/2016.
- 17) Shri A. B. Tamgadge, CE has delivered lecture on “Safety during Handling & Transportation of Explosives” during training programme organized by DTS for drivers of explosives road van connected to explosives factory in Nagpur and Wardha District on 09/12/2016.
- 18) Shri A. B. Tamgadge, CE has delivered lecture 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 on 16/12/2016.
- 19) Shri A. B. Tamgadge, CE has delivered lecture 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 on 23/12/2016.
- 20) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on maintenance of explosives magazine and submission of online returns during the training programme organized by DTS for



competent conducted one day training programme for competent persons and supervisors working in explosives factories in Nagpur and Wardha District on 30/01/2017.

- 21) Shri A. B. Tamgadge, CE has delivered lecture on “Maintenance of LPG godown and Safe Handling of Cylinders” during the training programme conducted by Dy. CCE, DTS, Nagpur for LPG dealers and godown managers in the district of Nagpur on 10/02/2017.
- 22) Shri A. B. Tamgadge, CE has delivered lecture on “Maintenance of LPG godown and Safe Handling of Cylinders” during the training programme conducted by Dy. CCE, DTS, Nagpur for LPG dealers and godown managers in the district of Amravati on 28/02/2017.
- 23) Shri A. B. Tamgadge, CE has delivered lecture on “Maintenance of LPG godown and Safe Handling of Cylinders” during the training programme conducted by Dy. CCE, DTS, Nagpur for LPG dealers and godown managers in the district of Chandrapur & Gadchiroli on 10/03/2017.
- 24) Shri A. B. Tamgadge, CE has delivered lecture on “Maintenance of LPG godown and Safe Handling of Cylinders” during the training programme conducted by Dy. CCE, DTS, Nagpur for LPG dealers and godown managers in the district of Bhandara & Gondia on 24/03/2017.
- 25) Shri A. B. Tamgadge, CE has delivered lecture on “Testing of Explosives & Safety fittings of Road Tankers and also demonstrated various techniques of Testing of Explosives at DTS, Nagpur for the to team of Army Officer, Jabalpur on 21/06/2016.
- 26) Shri A. B. Tamgadge, CE has delivered lecture on “Explosives Impact Safety Requirements & Legal Provision etc.” at National Civil Defence College, Nagpur during Disaster Management priducted Conducted by National Civil Defence College, Nagpur on 05/01/2017.
- 27) Shri A. B. Tamgadge, CE has delivered lecture on “Statutory regulations and legal management plan in oil pipeline / refinery during training porgramme organized by National Civil Defence College, Nagpur on 05/01/2017.

Accident Investigation :-

- Shri J.N. Mishra, Dy. CE has investigated fire accident which occurred in safety fuse manufacturing factory of M/s. Commercial Explosives (India) Pvt. Ltd., Gondkhairy occurred on 06/03/2017 and the preliminary report on investigation submitted to the Chief Controller of Explosives, Nagpur.

Entire shed gutted into the fire. Nobody injured / killed in the fire accident.





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	2012-2013	831	1, 66,200.00
2	2013-2014	1701	3, 40,200.00
3	2014-2015	2121	5, 77,800.00
4	2016-2017	1477	4, 00,050.00
5	2016-2017	185	47,750.00





e-GOVERNANCE

The Information Technology has become a very important tool for providing hassle free and quality services by an organisation to its stakeholders. This technology is not only saving time but also providing additional information to the stakeholders. Petroleum and Explosives Safety Organisation (PESO) has adopted the IT tools and 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.

Since early 2000, PESO is being geared up with the induction of Information Technology, under e-governance programme and as of now the entire gamut of activities of PESO are being carried out through online system by all the offices located across the country, by accessing the central servers located at Nagpur through dedicated leased lines. The organisation is continuously making efforts to improve the available facilities and to incorporate new services and activities under its e-Governance programme. PESO constantly endeavours to render efficient, prompt and courteous service to all stakeholders, public and industry with complete transparency in their working through optimum utilisation of available human resources and e-technology while keeping in view national interest and safety - first motto. The following goals have been set under e-governance programme;

1. To adopt the state of art technologies in order to ensure complete Transparency and Accountability in the existing licensing system of PESO.
2. To enable e-filing of applications for external stakeholder by developing and integrating the e-filing system by revamping the existing application modules or developing afresh to suite the new requirements of e-Governance.
3. To bring in accountable in terms of time bound service delivery for ensure prompt issuance of approvals, licenses and permissions..
4. To develop and implement online licensing for District Magistrates to administrator licenses under explosives Rule, 2008 and Ammonium Nitrate Rules, 2012.
5. Integrate payment gateway facility in e-filing to facilitate online receipt of fees and facilitate ease-of-doing-business for the stakeholders coming under the umbrella of various rules being administered by PESO.
6. To develop a System on Explosives Tracking and Tracing (SETT) which would enable every state and central regulating authority to monitor, track and trace the last legal source of seized/unclaimed explosives on real time basis.

Initiatives taken by PESO for Ease of Doing Business

(a) Introduction of e-filing and online fee payment facilities under Petroleum Rules, 2002, Gas Cylinders Rules, 2004, Explosives Rules, 2008 and Ammonium Nitrate Rules, 2012 to the stakeholders.

PESO has provided facilities to its stakeholders for online submission of various applications alongwith e-payment facilities under Petroleum Rules, 2002, Gas Cylinders Rules, 2004, Explosives Rules, 2008 and Ammonium Nitarate Rules, 2012. Replacement of manual submission of application by the online facility and e-payment facility is saving time, expenditure and personal interface of stakeholders.

PESO has also provided facility to stakeholders for online **auto renewal** of various licences under the Petroleum Rules and Gas Cylinder Rules. This facility is being used by stakeholders and is very much appreciated. Auto renewal facility is unique in nature, as the system enables the licensee to renew his licence on his own, immediately after submitting online application along with the requisite renewal fee through e-payment.



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.

Explosives Return System (ERS) and Ammonium Nitrate Return System (ANRS):

Online Explosives Returns System (ERS) was developed and implemented long back to monitor the transaction of explosives through out the supply chain. This system 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. Many additional facilities have been added to the system to make this system more user friendly. ERS system has following unique features;

- (a) in-built facilities of generating SMS alerts and messages to every consignor and consignee against every transaction.
- (b) during online transaction of explosives, the ERS system validate the storage capacity of the respective explosives magazines of the consignor and consignee and validity of their licences as well.
- (c) 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.
- (d) gives interface to all the DMs & SPs to monitor explosives transactions emerging, destining and crossing their respective districts.
- (e) on real time basis provides the data on date-wise, product-wise & factory-wise manufacturing of explosives.
- (f) on real time basis provides the data on stock of every explosives magazine in the country

A similar system namely Ammonium Nitrate Return System (ANRS) for transaction of Ammonium Nitrate through out the supply chain has been developed and is in place. The stakeholders are using this system for various on line transaction of Ammonium Nitrate.

Online generation and tracking of degassing certificate under SMPV (U) Rules, 2016

In order to avoid malpractices and to ensure safety of the public and property new facilities have been added under the SMPV (U) module for generation of degassing certificates by the competent persons. This facility also enables the PESO to monitor the degassing of pressure vessels before tests. 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.

Development of online licensing modules for District Authority to issue various licences under Explosives Rules, 2008 and ammonium Nitrate Rules, 2012

District Authority is also empowered to issue certain licences under explosives Rules, 2008 and ammonium Nitrate Rules, 2012. As such no online system for issue licences by District Authority was in place and all the licences were being issued manually. There was no mechanism to monitor the transaction of explosives and Ammonium Nitrate. In order to rope in such licensees in the ERS/ANRS and to monitor transactions a online licensing module has been developed and launched for the District Authorities for issue of licences through this on line system. This system is appreciated by the District Authorities and overwhelming response is received.



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;

Project on System on Explosives Tracking and Tracing (SETT)

PESO has already developed online Explosives Return System (ERS) and Ammonium Nitrate Return System (ANRS) for the Explosives and Ammonium Nitrate Manufacturers, Sellers, Users, Transporters, Exporters & Importers to submit their online returns, on day to day basis and the entire chain of transactions across the country are accounted through the online modules. The available literature survey on explosives regulatory and monitoring mechanisms reveals that no comprehensive system of tracking and tracing of explosives exists across the globe. PESO is working on the development of a System on Explosives Tracking and Tracing (SETT) which will enable every state and central regulating authorities to monitor, track and trace the last legal source of seized/unclaimed explosives on real time basis. The following goals are set in the process of developing the System on Explosives Tracking and Tracing (SETT).

1. To upgrade PESO's Data Center infrastructure to make PESO self sufficient in implementing its IT Goals.
2. To strengthened the existing Explosives Return System (ERS) & Ammonium Nitrate Return System (ANRS) in terms of technology and new check and balances to achieve near perfect real time monitoring of explosives transaction.
3. To standardize 2D Barcode for unique identification of each explosive box & every individual unit with respect to every explosives product manufactured by all explosives manufacturers in the country.
4. To provide know how to all explosives manufacturers in the country to bring in reengineering in their plant and packaging process in order to suit the identification of each explosives unit.
5. To train all the stake holders in the explosives supply chain right from the manufactures to end users through the dealers in adopting the System on Explosives Tracking and Tracing (SETT).
6. To develop and implement SETT (System for Explosive Tracking and Tracing) phase wise, starting from box level to unit level.
7. To incorporate Digital Signature in ERS (Explosives Return System) & Ammonium Nitrate Return System (ANRS) .
8. To implement real time GPS Based Movement Tracking System for Explosives Carrying Vehicles.
9. To develop a similar System on Ammonium Nitrate Tracking and Tracing for close monitoring transactions of AN

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.

Proof of Concept (PoC) under System on Explosives Tracking and Tracing has been completed successfully. The 2D barcode system for all type of explosives manufactured by various manufacturer in the country have been finalised in consultation with stakeholders. Development of the module and provision for interface for stakeholders is in progress.

Video Conferencing systems have been installed and put into use for five Circle offices and Head





HIGHLIGHTS OF THE YEAR PETROSAFE-2016

Jaipur saw a mega conference “PETROSAFE-2016” held at JECC on 21st and 22nd July 2016. The core theme of this international conference was “Excellence in Hydrocarbon Safety”. This event was conducted by Petroleum Industry in India under the aegis of Petroleum & Explosives Safety Organization (PESO) with technical collaboration from National Safety Council. Sh Shailendra Singh, IAS, Joint Secretary, Govt of India, Department of Industrial Policy and Promotion, Min of Commerce and Industry, inaugurated the event.

Hydrocarbon or Petroleum Industry is vital for the economic development of any country and plays a vital role in the growth of the economy. It is also a fact that petroleum products like petrol, diesel, LPG and other products need careful handling during the process of manufacturing, distribution and consumption. PESO, the guiding force behind this Conference took this initiative, going beyond their traditional role of being a licensing and regulatory authority to become a facilitator, guide and motivator for the Industry to achieve excellence in safety. This Conference sought to enhance the level of understanding of all the issues related to safety of handling of petroleum products at every stage of manufacturing and distribution. More than 700 participants from the Oil Industry and related Industries attended this Conference, which provided an opportunity to all delegates for cross learning, sharing global best practices and examining real life case studies through a series of interactive sessions and panel discussions led by Industry experts. A concurrent exhibition showcasing latest technological trends in hydrocarbon industry was also held where 50 nos. of exhibitors participated.

EXPLOSAFE-2016

National Seminar "EXPLOSAFE-2016" on "Safety, Security and Recent Trends in Commercial & Defence Explosives" was organized by Explosives Manufacturers Welfare Association (EMWA) in technical collaboration with Petroleum and Explosives Safety Organisation (PESO) from 3rd, June, 2016 to 4th, June 2016. The seminar was organized under the patronage of Dr S Kamal, the Chief Controller of Explosives, PESO, Nagpur, Shri Rajiv Ranjan Misra, Chairman cum Managing Director, Western Coalfields Ltd., Nagpur was the chief guest of the function. Shri K P S Murthy, Director, HEMRL, DRDO, Pune and Shri B P Singh, DDGMS, Nagpur were the Guest of Honour. Shri V N Pangal, President, EMWA was the convener of the programme. 25 nos. of national and international technical papers were presented in the seminar and latest technologies available globally for safe manufacture, storage, transport and uses of explosives were discussed in the seminar. More than 350 numbers of delegates attended the seminar. An exhibition was organized in the seminar. Many equipments/plant & machineries manufacturers demonstrated the latest available equipments for safe manufacture of explosives. A souvenir "EXPLOSAFE-2016" a compilation of 42 technical articles was also released in the seminar





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

MEETINGS

1. On 06.05.2017 attended 2nd Licensing Committee Meeting at DIPP.
2. On 13.05.2017 attended QD Meeting at Centre for Fire Explosives & Environment Safety, New Delhi.
3. On 2.9.2016 Chaired 21st Meeting of Explosives & Pyrotechnic Sectional Committee CHD: 26 and its Sub-Committee at Jaipur.
4. On 6.9.2016 attended meeting with the Explosives Users in the matter related to imposing restriction in use of explosives.
5. On 25.10.2016 attended Quantity Distance Panel meeting at CFEEES, New-Delhi.
6. On 3.11.2016 & 4.11.2016, chaired 23rd meeting of Gas Cylinders Sectional Committee MED 16 meeting and sub-committee at Udaipur.
7. On 9.1.2017 attended meeting at DIPP regarding amendment of Explosives Rules, 2008 with respect to the fireworks shops.
8. On 30.01.2017 delivered presentation at MoPNG regarding amendment of Petroleum Rules, 2002.
9. On 20.2.2017 attended meeting of Hindi Salahakar Samiti at DIPP.
10. On 16.3.2017 attended 1st Licensing Committee Meeting at DIPP.
11. On 30.3.2017 attended meeting regarding Regional Connectivity Scheme (RCS) UDAN launched under National Civil Aviation Policy (NCAP-2016)

WORKSHOPS/SEMINARS/ TRAININGS

1. On 20.8.2016 attended workshop on Gas Cylinders Safety organized by Gas Manufacturers Association Society at Khandala.
2. On 3.12.2016 Inaugurated and addressed one day Seminar on 'Transportation of Hazardous Petro Chemicals - STOHP - 2016 (Seminar on Transportation of Hazardous Petroleum Products) at PESO, Hyderabad.
3. On 22.9.2016 attended Safety Seminar on Industrial & Medical Gases at Puna organized by Gas Industries Association.
4. On 19.1.2017 addressed the National Seminar on 'Fireworks Safety -2017 at Sivakasi organized by TANFAMA & All India Colour Matches Manufacturers' Association in technical collaboration with PESO, Sivakasi.

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

MEETINGS:

1. Shri N.T. Shahu, Jt. Chief Controller of Explosives attended meeting of second licensing committee (2016 series) at DIPP on 6.5.2016.



2. Shri N.T. Shahu, Jt. Chief Controller of Explosives attended the OD meeting (STEC Regulations) on 13.05.2016.
3. Shri N.T. Shahu, Jt. Chief Controller of Explosives attended the 21st Meeting of Explosives and Pyrotechnic Section Committee (BIS) CHD 26 and its Committee meeting on 2.9.2016.
4. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur worked as core committee member for successfully organising "Petrosafe-2016" held from July 21 to June 22, 2016 under the aegis of PESO with technical collaboration from National Safety Council.
5. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting of Committee on Subordinate Legislation Raj Sabha on PNGRB (Procedure for Development of Technical Standard and Specification including Safety Standards) Regulations, 2009 at Bhopal.
6. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur participated in brainstorming session with project stakeholders on Organic waste stream for industrial renewable energy applications in India organized by MNERE and UNIDO on 31/05/2016 at New Delhi.
7. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended Round Table meeting convened by DIPP, New Delhi at Udyog Bhawan, New Delhi on 03/11/2016.
8. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur participated as a member in the panel discussion on the Regulatory and Policy Levers to Promote H2 Economy in the 5th International Hydrogen & Fuel Cell Conference organized by Hydrogen Association of India on 12th December, 2016.
9. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting at OISD, Noida as a committee member for formulation of Guidelines on Safety for LNG Bunkering Facilities at Ports.
10. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting called by the Secretary, MoPNG regarding Regional Connectivity Scheme (RCS) UDAN launched under National Civil Aviation Policy (NCAP-2016) on 30/03/2017 at Shashtri Bhawan, New Delhi.
11. Shri V. B. Borgaonkar, Dy. CCE, Nagpur assisted Jt. CCE (HOD) during half day workshop organized by Ministry of Civil Aviation on regional connectivity scheme.
12. Shri V. B. Borgaonkar, Dy. CCE, Nagpur gave lecture to trainee Dy. Controllers in the training programme organized by DTS.
13. Shri V. B. Borgaonkar, Dy. CCE, Nagpur Inaugurated bottom loading manufacturing facilities of M/s. Frankling Fueling System situated at MIDC, Ranjangaon, Pune.
14. Shri V. B. Borgaonkar, Dy. CCE, Nagpur attended meetings in the O/o Director General of Shipping for LNG bunkering matter.
15. Shri V. B. Borgaonkar, Dy. CCE, Nagpur attended meeting chaired Secretary Shipping on proposed LNG bunkering within the ports and inland water ways.
16. Shri V. B. Borgaonkar, Dy. CCE, Nagpur acted as a member of committee constituted by Secretary (Shipping, Govt. of India) for formulation of guidelines on LNG bunkering.
17. Shri V. B. Borgaonkar, Dy. CCE, Nagpur assisted Jt. CCE (HOD) during the meeting chaired by Secretary, MoP&NG on availability of aircraft refueling facilities at proposed regional connectivity stations under UDDAN Scheme.
18. Shri V. B. Borgaonkar, Dy. CCE, Nagpur assisted Jt. CCE (HOD) during the interaction meeting convened by Jt. Secretary, MoP&NG on various activities of PESO.
19. Dr. S.M. Mannan, Dy.CCE, Nagpur attended course on "Explosive Safety in Ammunition Depots" held at Centre for Fire Explosive and Environment Safety (CFEES), DRDO, Delhi from 25th April to 29th April 2016.
20. Dr. S.M. Mannan, Dy.CCE, Nagpur attended one day workshop on "Single Window Interface to Traders (SWIT)" on 22.09.2016 at New Delhi organized by Single Window Project Team, Central Board of Excise and Customs, Ministry of Finance, Govt. of India.



21. Dr S. K. Dixit, Controller of Explosives, Nagpur imparted training to Dy. Controller of Explosives on 23/04/2016 for handling of Police Exhibits and Court Cases".
22. Dr S. K. Dixit, Controller of Explosives, Nagpur conducted a workshop on "DGMS Blaster's Certificate Authentication Module" on 24/01/2017 to the senior officers of Director General of Mines Safety at Dhanbad.
23. Dr S. K. Dixit, Controller of Explosives, Nagpur acted as Organising Committee and Technical Committee member for "Explosafe-2016" held from June 3 to June 4, 2016, compiled, edited and published the technical souvenir.
24. Dr S. K. Dixit, Controller of Explosives, Nagpur acted as Organising Committee and Technical Committee for "Petrosafe-2016" held from July 21 to June 22, 2016, compiled, edited and published the technical souvenir.
25. Dr S. K. Dixit, Controller of Explosives, Nagpur conducted a workshop on "DGMS Blaster's Certificate Authentication Module" on 24/01/2017 to the senior officers of Director General of Mines Safety at Dhanbad.
26. Shri Ashendra Singh, C.E. attended the meeting organized by Ministry of New and Renewable Energy to discuss the various issues related to composite cylinders for use in filling of Hydrogen.
27. Shri Ashendra Singh, C.E. attended the meeting organized by Ministry of Road Transport and Highways at Chennai to discuss various issues.
28. Shri Ashendra Singh, C.E. attended a meeting of Hindi Salakar Samiti at DIPP New Delhi.
29. Shri S. D. Mishra attend three days training programme for record officer at National Archives of India Jaipur from 10/08/2016 to 12/08/2016.
30. Shri S. D. Mishra inspected Barauni refinery from 26/09/2016 to 27//09/2016.

LECTURES

1. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur delivered talks on "An Overview of SMPV(U) Rules, 1981" and "Metallurgy & Technical Aspects with respect to Cylinders and Pressure Vessels" in training programme for newly recruited Dy. CE held at DTS, Gondkhairi in the month April/May 2016.
2. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur delivered talks on "MSIHC Rules and Approval & Inspection of Cross-country pipelines" in capacity building programme for CE held at DTS, Gondkhairi in the month of May 2016.
3. Dr. S.M. Mannan, Dy.CCE, Nagpur presented a paper on "System for Explosives Tracking and Tracing - (SETT)" in the Two Days National Seminar on "Safety, Security and Recent Trends in Commercial & Defense Explosives" held at Nagpur on 3rd & 4th June, 2016.
4. Dr. S.M. Mannan, Dy.CCE, Nagpur presented a paper on "Regulations under Explosives Rules, 2008 – Present Scenario" in the Conclave on Explosives – with the theme "Explosives – Key to Unlock Productivity in Mining" held at Kolkata on 15th July, 2016.
5. Dixit, Controller of Explosives, Nagpur delivered lecture to the trainees of National Civil Defense College, Nagpur on "Statutory Guidelines and Regulatory Framwork for Planning Off Site Disaster Management in Oil Gas Industries".
6. Dr S K Dixit, Controller of Explosives, Nagpur delivered a lecture to the team of United State Embassy on "Regulatory Environment in India for Commercial Grade Explosives" and participated in panel discussion on 10/02/2017.
7. Shri Ashendra Singh, C.E. delivered a talk on statutory provisions for CGD Industries in the workshop organized by NGV India Summit at Delhi.



8. Shri Ashendra Singh, C.E. delivered a lecture on proposed amendments in Gas Cylinders Rules, 2004 and SMPV(U) Rules, 1981 for Seminar organized by Gas Industry Association at Pune.
9. Shri Ashendra Singh, C.E. delivered a lecture in the Seminar organized by Central UP Gas Ltd., Kanpur on CNG safety.
10. Shri Ashendra Singh, C.E. delivered a talk on best practice in safe handling of LPG cylinders at Asia LPG Summit and India LPG Summit Emerging Trends at Pune.
11. S. D. Mishra delivered a power point presentation on The " safety of oil and gas pipeline" at Hotel Radisson, Noida on 15/02/2017 organised by M/s. Indian Oil Corporation, Pipeline division Noida.
12. Shri K.S. Rao, C.E. presented a case study on "CNG Cylinder Explosion Accident" in the Seminar on "Safe Transportation of Hazardous Products(STOhP)" held on 3rd December,2016, at O/o Dy.Chief Controller of Explosives,PESO,Hyderabad.
13. Shri K.S. Rao, C.E. presented a paper on "Accidents during LPG pipeline Pigging operations" published in Petro Safe-2016 .

SOUTH CIRCLE, CHENNAI

MEETINGS:

1. On 22/08/2016 meeting was conducted at Hyderabad by the Office of the.DCCE, Hyderabad with the divisional managers/Regional managers and territory managers of all oil companies, ALDS and CNG operators in the state of Telengana at the CGO Towers Auditorium, Secunderad.
2. Dr.A.K.Yadav, Jt.CCE Chennai attended the Meeting conducted by Kerala State Pollution Control Board with respect to the deactivation and disposal of explosives/chemicals seized by the Police Authorities in various districts of Kerala was attended on 22.11.2016.
3. Dr.A.K.Yadav, Jt.CCE Chennai attended the Quarterly meeting conducted in the Office of the Dy.Chief Controller of Explosives, Mangalore with all the heads of Sub Circle Offices on 31/12/2016 for discussion on SMPV (U) Rules 2016 and GCR 2016.
4. Dr.A.K.Yadav, Jt.CCE Chennai attended the Quarterly meeting conducted in the Office of the DCCE., Hyderabad on 28/02/2017 with all the heads of Sub Circle Offices to discuss regarding Inspection
5. Dr. Anuj Kumar, Controller of Explosives, Chennai and Shri Prashant Yadav, Dy. CE, Chennai attended state police duty meet at Chennai.
6. Dr. R.K. Rathore, Dy.Chief Controller of Explosives & Shri Abdul Muttalib, Controller of Explosives, Visakhapatnam attended meeting on 17.10.2016 with Addl. District Magistrate, Visakhapatnam for opening of LPG dealership/ godowns in the Tribal Areas of Visakhapatnam District which are affected by Naxalite Movement. Six numbers of proposed LPG cylinder storage sheds were inspected on 18.10.2016 by Shri Abdul Mttalib, Controller of Explosives accompanied by Shri Amol J. Sonbarse, Dy. Controller of Explosives initiated by District Administration for the welfare of Tribals
7. Dr.A.K.Yadav, Jt.CCE appointed as an Inquiry Officer appointed by the Government of India under Section 9(A) of Explosives Act 1884 conducted the inquiry in to the circumstances and causes leading to the tragic fireworks display accident on 10/04/2016 wherein 110 people dies and 461 injured at Puttingal Devi Temple premises located at Paravur, Kollam District, Kerala and submitted the final report to the Government in time.
8. Dr.A.K.Yadav, Jt.CCE Chennai conducted the inquiry on the accident occurred on 10/04/2016 during display of fireworks at about 3.13 am at Puttingal Devi Temple, Paravoor, Kollam as inquiry officer appointed vide Government of India order No.31(03)-2016-expl dated 22/04/2016 from 30/05/2016 to 04/06/2016 at Kollam and Paravoor and submitted final report on 20/07/2016 to the Secretary, DIPP, Ministry of Commerce & Industry, New Delhi-110 011.



9. Officers of Sivakasi office attended Core Committee meeting pertaining to 'Ambient Air Quality in India due to emission from bursting of fireworks held at Sivakasi during Aug.16 and Sept.16.
10. Officers of Sivakasi office attended a meeting conducted in the Sub Collector's office, Sivakasi on 20.10.16 by the Collector, virudhunagar District in the presence of Hon'ble Revenue Minister of Govt. of Tamil Nadu
11. Dy.CCE., accompanied by Shri Bibhas Chandra Sadhukhan, Dy.CE., attended a meeting on 21.10.16 conducted by the Collector, Virudhunagar District pertaining to the accident in the fireworks shop at Sivakasi.
12. Officers attended the meeting conducted by the Collector, Virudhunagar District at Sivakasi on 22.3.17 pertaining to awareness program in fireworks industry.
13. Meeting was conducted by the Office of the Dy.Chief Controller of Explosives, Hyderabad with the Divisional Managers/ Regional Managers and Territory Managers of all the Oil Companies, ALDS and CNG Operators in the State of Telangana at the Auditorium, 1st Floor, C.G.O.Towers, Kavadiguda, Secunderabad on 23/8/2016 at 11 a.m. and 2.30 p.m.
14. Meeting of LE-3, LE-5 (fireworks) licence holders in the State of Telangana was held on 13/10/2016 at 3.00 p.m. in the 9th Floor, Auditorium, C.G.O.Towers, Kavadiguda, Hyderabad. 81 licence holders attended the meeting.
15. A meeting with the heads of LPG operations and Plant Managers was held on 21/2/2017 at the 5th Floor, Conference Room, C.G.O.Towers, Kavadiguda, Secunderabad Gas Cylinder Rules, 2016 – for effective implementation of Gas Cylinder Rules, 2016, new approval/ amendment guidelines for LPG cylinder storage godowns, Supply of excess quantities by the Oil Companies to various distributors and any other issues related to LPG cylinders bottling, storage and distribution
16. Sri R.Venugopal, Dy.Chief Controller of Explosives, Hyderabad attended meeting on 28.04.2016 & 29.04.2016 convened by the Jt.Chief Controller of Explosives, South Circle, Chennai at the office of the Jt.Chief Controller of Explosives, South Circle, Chennai on preliminary discussion on Puttingal Fireworks Display accident.
17. Attended Jt.CCE meeting on 20.05.2016 for Puttingal fireworks accident . Meeting with Joint Chief Controller of Explosives, Chennai (Inquiry officer), Dr.Radhakrishnan (Assessor), Sri G.M.Reddy (Assessor), Sri Ajith Mohan, Law Officer and officers of PESO at Government Guest House, Asramam, Kollam.
18. Shri R.Venugopal, Dy. Chief Controller of Explosives, Hyderabad participated in the inquiry from 30.05.2016 to 07.06.2016 in the Paravoor Fireworks accident as Assessor in the inquiry at Paravur and Kollam.
19. Shri R Venugopal, Dy. Chief Controller of Explosives, Hyderabad attended Petrosafe Organizing Committee meeting on 22.06.2016 & 23.06.2016 at Mumbai and Nagpur.
20. Sri S.G.Kadam, CE and Dr.G.K.Pandey attended meeting with the Additional Solicitor General at Begumpet, Hyderabad on 08.07.2016.
21. Meeting was conducted by the Office of the Dy.Chief Controller of Explosives, Hyderabad with the Divisional Managers/ Regional Managers and Territory Managers of all the Oil Companies, ALDS and CNG Operators in the State of Telangana at the Auditorium, 1st Floor, C.G.O.Towers, Kavadiguda, Secunderabad on 23.08.2016.
22. Meeting of LE-3, LE-5 (fireworks) licence holders in the State of Telangana was held in the 9th Floor, Auditorium, C.G.O.Towers, Kavadiguda, Hyderabad. 81 licence holders attended the meeting on 13.10.2016.
23. Dr.G.K.Pandey, Controller of Explosives and Sri M.W.Dudhe, Dy.Controller of Explosives attended Hindi Meeting, second TOLIC meeting organized by “NARAKAS” at National Institute of Rural Development and Panchayat Raj, Rajendra Nagar, Hyderabad on 15/11/2016.



24. A meeting was held on 21/2/2017 with the heads of LPG operations and Plant Managers at Kavadiguda, Secunderabad about Gas Cylinder Rules, 2016 – for effective implementation of Gas Cylinder Rules, 2016, New approval/ amendment guidelines for LPG cylinder storage godowns, Supply of excess quantities by the Oil Companies to various distributors and any other issues related to LPG cylinders bottling, storage and distribution.
25. Quarterly meeting for the pre quarter ending 31/03/2017 in respect of all the South Circle Offices was held in the Office of the Dy.CCE, Hyderabad 28/02/2017. Dr. A.K. Yadav, Dr. Venugopal, Dr. Rathore, Shri Kulkarni, Shri Shanmugam, Shri Seeniraj and Shri J.Kumar attended the meeting along with Officers of Dy.CCE, Hyderabad.
26. A meeting with the Heads of LPG Operators and Plant Managers in the State of Telangana was held at 3.00 p.m. in the C.G.O.Towers, Kavadiguda, Hyderabad on 21/3/2017.
27. Meeting at Office of the Jt.Chief Controller of Explosives, South Circle, Chennai regarding explosives accident at M/s.Vetrivel Explosives Limited, Thiruchirapalli on 24/3/2017.
28. Shri S. Kandasamy, DCE attended a meeting at CBCID, Head Quarter, Trivandrum on analysing CCTV footage of Puttingal Devi Temple premises fireworks display accident.
29. Shri S. Kandasamy, DCE attended a meeting at Office of the Commissioner of Police, Kochi with IG, Kochi Range on 12.07.2016.
30. Shri S. Kandasamy, DCE attended a meeting with District Magistrate, Kollam regarding arrangement for Inquiry pertaining to Puttingal fireworks display accident.
31. Shri S. Kandasamy, DCE attended Joint intelligence Committee meeting at Trivandrum with ADGP (Intelligence) on 18.07.2016
32. Shri S. Kandasamy DCE attended a Meeting with SP, CBCID, Trivandrum, DCE regarding discussion on Paravoor fireworks display Accident.
33. Shri S. Kandasamy DCE attended a Meeting with SP, CBCID, Trivandrum, DCE regarding discussion on Paravoor fireworks display Accident.
34. Shri S.M. Kulkarni, DCCE attended Pre quarterly meeting at Office of the DyCCE, Hyderabad on 28.02.2017 and delivered progress report to Jt.CCE, Chennai.
35. Shri A.K.Mehta, CE attended a meeting held at the Office of Chairman, Kerala State Pollution Control Board, Thiruvananthapuram on 21/11/2016 along with Shri.A.K.Yadav, JCCE, SC, Chennai.
36. Sri C. Shanmugam, DCCE attended a Meeting convened by the Supdt. of Police, D.K. District at Mangalore on 22.03.2017.
37. On 11.04.2016, Sri G. Kumaraswamy, CE attended a Meeting convened by the Deputy Commissioner, D.K. Dist. Mangalore regarding precautions to be taken during 'Public Display of fireworks' & provisions of Explosives Rules, 2008 for public display.
38. On 26.04.2016, Sri G. Kumaraswamy, CE & Sri A.S. Kshirsagar, Dy.CE attended a Meeting in connection with transportation of Hazardous chemicals by road convened by the Member Secretary, Dist. Crisis Group and Deputy Director of Factories, Mangalore at the Office of the Deputy Commissioner, Mangalore.
39. Sri G. Kumaraswamy, CE and Sri Krishan Kant Kumar, LDC attended 60th Half Yearly Meeting of TOLIC on 24.05.2016 at Corporation Bank Headquarters, Mangalore.
40. Sri A.S. Kshirsagar, Dy.CE & Sri Krihan Kant Kumar, LDC attended 61st Half Yearly Meeting of TOLIC on 05.12.2016 at the Corporation Bank Headquarters, Mangalore.
41. Quarterly Meeting of Sub-Circle Heads was conducted in this office on 31.12.2016. Dr. A.K. Yadav, Jt.CCE Chennai presided over the Meeting. Smt. A. Khalwadekar, then DCCE Mangalore, Sri R. Venugopal, DCCE Hyderabad, Sri S.M. Kulkarni, DCCE Ernakulam, Sri M.K.Pandey, CE, Chennai, Sri A.S. Kshirsagar, Dy.CE Mangalore & Sri N. Govindaram, Dy.CE Mangalore were present in the Meeting. Various issues related to the Circle viz., Budget allocation, Staff strength, Auctioning of old



computers, disposal of old office cars, etc.,& and implementation of GCR 2016 were discussed in the Meeting.

42. Sri C. Shanmugam, DCCE Mangalore attended Pre-Quarterly Meeting conducted by Jt.CCE. Chennai in the Office of the Dy.CCE Hyderabad on 28.02.2017.

SEMINAR:

1. Dr.A.K.Yadav, Jt.CCE Chennai attended one day seminar on “Transportation of Hazardous Petro Chemicals STOhP-2016 organised by PESO in collaboration with State Level Co-ordination Committees of OMCs and other oil companies on 03/12/2016.
2. Dr.A.K.Yadav, Jt.CCE Chennai along with Sri Sumiran Kumar, Dy.CE Chennai attended one day seminar of AILDF on 09.01.2017 at Coimbatore.
3. Dr.A.K.Yadav, Jt.CCE Chennai along with Sri Prashant Yadav, Dy.CE Chennai attended one day seminar of LPG Cylinder Safety on 30.07.2016 at Kodaikanal.
4. Dr. Anuj Kumar, Controller of Explosives, Chennai attended the Seminar at Nagpur “Explosafe-2016” on 03.06.2016 to 04.06.2017.
5. Shri M.W. Dudhe, Dy. Controller of Explosives, Hyderabad attended the Seminar at Nagpur “Explosafe-2016” on 03.06.2016 to 04.06.2017.
6. Sri R. Venugopal, Dy.CCE attended Petro Safe Conference on Hydrocarbon Safety at Jaipur, Rajasthan on 21.07.2016 & 22.07.2016
7. One day Seminar was conducted on Safe Transportation of Hazardous Chemicals (STOhP 2016) on 03/12/2016 at Kavadiguda, Hyderabad. Shri N.T.Shahu, Jt.Chief Controller of Explosives and (HOD) delivered the inaugural address and Dr.A.K.Yadav, Jt.Chief Controller of Explosives, South Circle, Chennai delivered the presidential address. The seminar was attended by about 250 delegates representing various State Government agencies of Telangana State, Oil Companies and others. Shri R. Venugopal, Dy. Chief Controller of Explosives was the Chairman of the Organizing Committee. The technical proceedings of the Seminar was released during the inaugural function. All the officers of the PESO, Hyderabad published one technical paper each in the proceedings.
8. Shri S. M. Kulkarni, DCCE attended 'Petrosafe' conference at Jaipur on 21.07.2016 & 22.07.2016.
9. Smt. A. Khalwadekar, DCCE Mangalore attended National Seminar on 'Safety, Security and Recent Trends in Commercial & Defence Explosives (Explosafe 2016) on 03rd and 04th June 2016 at Nagpur.
10. Smt. A. Khalwadekar, DCCE Mangalore attended 'Petro Safe 2016', an International Conference on “Excellence in Hydrocarbon Safety” at Jaipur on 21st & 22nd July, 2016.

VISITS/INSPECTIONS/TRAINING:

1. Mr. Abdul Muttalib, CE, Visakhapatnam inspected high explosive factory of M/s Raja Explosives, Tirupur, Tamil Nadu from 08.09.2016 to 10.09.2016.
2. Mr. Abdul Muttalib, CE, Visakhapatnam inspected high explosive factory of M/s Sua Explosives & Accessories Pvt. Ltd., Hunsur Taluk, Tamil Nadu from 21.09.2016 to 23.09.2016.
3. Dr.A.K.Yadav, Jt.CCE alongwith Chief Controller of Explosives, Nagpur and other officers visited accident site of accident at Puttingal Devi Temple, Kollam on 11/04/2016 for investigation of the accident.
4. Dr. R.K. Rathore, Dy.CCE, Visakhapatnam carried out safety audit of high explosive factory M/s Tamil Nadu Industrial Explosives Ltd., Vellore from 16.08.2016 to 18.08.2016.
5. Shri Amol J. Sonbarse, Dy.CE, Visakhapatnam participated in safety audit of high explosive factory of



- M/s IDEAL Industrial Explosives Ltd., Nalgonda, Telangana State from 22.08.2016 to 26.08.2016.
6. Shri Amol J. Sonbarse, Dy.CE, Visakhapatnam participated in safety audit of high explosive factory of M/s Keltech Energies Ltd., Hebri, Udupi Dist., Karnataka from 21.09.2016 to 23.09.2016.
 7. Dr. R.K. Rathore, Dy. Chief Controller of Explosives, Visakhapatnam and other officers from the organization conducted Safety Audit of M/s Chennai Petroleum Chemicals Ltd., Chennai from 18th - 20th November, 2016 as per the directives of the Jt. Chief Controller of Explosives, Chennai.
 8. Shri Amol J. Sonbarse, Dy. Controller of Explosives, Visakhapatnam along with other officers of PESO participated in Safety Audit of Chennai Petroleum Corporation Ltd., (CPCL), Cauvery Basin Refinery, Nagapattinam, Tamil Nadu from 19 – 20 December, 2016.
 9. Dr. R.K. Rathore, Dy. Chief Controller of Explosives, Visakhapatnam conducted Safety Audit of High Explosives Factory of M/s Premier Explosives Limited, Wangapalli, Nalgonda, Telangana State from 19th to 21st January, 2017.
 10. Shri Abdul Muttalib, CE along with 5 officers of PESO has conducted Safety Audit of Petroleum Refinery of M/s HPCL, Visakhapatnam from 23 -28, January 2017.
 11. Shri Abdul Muttalib, Controller of Explosives, Visakhapatnam attended Safety Audit of LPG Bottling plant of M/s Indian Oil Corporation Ltd, Chennai, M/s Red Gas India Pvt. Ltd., Thiruvallur and M/s Bright Gas Bottling Company, Kachipuram in Tamil Nadu State from 20th to 22nd January, 2017.
 12. Shri Amol J. Sonbarse, Dy.Controller of Explosives, Visakhapatnam attended training on manufacture of Explosives from 06.02.2017 to 07.02.2017 organized by the Office of the Jt. Chief Controller of Explosives, Chennai.
 13. Sri R.Venugopal, Dy.Chief Controller of Explosives, Hyderabad visited the site of accident on 11.04.2016 along with the Chief Controller of Explosives, Jt.Chief Controller of Explosives, South Circle, Chennai and other officers at Paravur, Kollam wherein the fireworks accident, 110 people died and 280 people got injured. Attended meetings convened by the Chief Controller of Explosives with regard to investigation of accident.
 14. Sri R.Venugopal, Dy.CCE submitted report of inquiry of Paravoor Puttingal Devi Temple premises fireworks accident to the Jt.Secretary, DIPP on 20.07.2016.
 15. Sri R.Venugopal, Dy.Chief Controller of Explosives and Dr.G.K.Pandey, Controller of Explosives attended the Program on Passing Out Parade of the IPS Probationers at Sardar Vallabhai Patel National Police Academy, Hyderabad on 28.10.2016.
 16. Sri S.G.Kadam, Controller of Explosives; Dr.G.K.Pandey, Controller of Explosives and Sri A.N.K.V.V.Prasad, Assistant attended celebrations of Ekta Diwas organised by Press Information Bureau at the Auditorium, 9th Floor, C.G.O.Towers, Kavadiguda, Secunderabad, Hyderabad on 31.10.2016.
 17. Vigilance Awareness Week was observed by the office of the Deputy chief Controller of Explosives, Hyderabad from 31/10/2016 to 05/11/2016.
 18. Quami Ekta Week (National Integration Week) was observed at Hyderabad office from 19/11/2016 to 25/11/2016.
 19. Sri M.N.Nandanwar, Dy.Controller of Explosives, Hyderabad delivered a talk on Fireworks safety in the meeting organized by the Dy.Commissioner of Police, East Zone, Hyderabad at Maharana Pratap Mini Function Hall, Amberpet, Hyderabad on 18/10/2016.
 20. Sri R.Venugopal, Dy.Chief Controller of Explosives, Hyderabad delivered a talk on Fireworks safety in the meeting organized by the Dy.Commissioner of Police, Central Zone, Hyderabad at 11 hours in NTR Auditorium, Potti Sreeramulu Telugu University, Near Public Gardens, Nampally, Hyderabad on 20/10/2016.
 21. Sri S.G.Kadam, Controller of Explosives delivered a talk on Fireworks safety in the meeting organized by the Dy.Commissioner of Police, West Zone, Hyderabad City at Auditorium, Jawaharlal Nehru



- Technology University, Masab Tank, Hyderabad on 21/10/2016.
22. Sri S.G.Kadam, Controller of Explosives delivered a lecture at the Office of the Commissioner of Police, Hyderabad, Gachibowli for Construction Blasting Awareness Programme on use of explosives for blasting in urban areas on 18/11/2016.
 23. Shri R. Venugopal Dy. Chief Controller of Explosives delivered key note address in the 26th National NDE Seminar-NDE 2016 at Thiruvananthapuram, Kerala on topic “Certification and Safety” on 10/12/2016
 24. Shri S. M. Kulkarni, DCCE and Shri S. Kandasamy, DCE attended Government of India Inquiry on Puttingal Devi Temple premises fireworks display accident near Kollam from 30.05.2016 to 04.06.2016.
 25. Shri S. Kandasamy, DCE attended Joint intelligence Committee meeting at Trivandrum with ADGP (Intelligence) on 18.07.2016
 26. Shri S. M. Kulkarni, DCCE conducted a Safety Audit of High Explosives Manufacturing factory at Hyderabad (M/s. Gulf Oil Corporation Regenesis Industries (P) Ltd. & Ideal Detonators (P) Ltd.) From 19/09/2016 to 23/09/2016, 5/10/2016 to 7/10/2016 and 01/03/2017 to 03/03/2017.
 27. Shri S.M. Kulkarni, DCCE conducted comprehensive safety Audit of M/s. MRPL, Mangalore from 21.11.2016 to 25.11.2016.
 28. Shri A.K.Mehta, CE attended a Comprehensive safety Audit of BPCL, Kochi Refinery under guidance of Shri R. Venugopal, DCCE, Hyderabad during 07 Nov to 12 Nov, 2016.
 29. Shri S. Kandasamy, DCE & Shri Amit Kumar, DCE attended a Comprehensive safety Audit of CPCL, Chennai under guidance of Shri R.K.Rathore during 18 Nov to 20 Nov, 2016. Shri S. M. Kulkarni, DCCE attended a quarterly meeting with Jt.CCE Chennai at Mangalore office on 31/01/2017.
 30. Shri S. Kandasamy, DCE attended a Seminar on National Safety Management at Kollam on 15.12.2016 and delivered a lecture in respect to the safety measures to be followed in fireworks display in line with the recent puttingal fireworks tragedy and provisions of Explosives Rules 2008 in respect to fireworks display.
 31. Shri S. M. Kulkarni, DCCE and Shri S. Kandasamy, DCE attended Public hearing on fireworks display at Thrissur & Palakkad on 23.01.2017 and 24.01.2017 conducted by Jt. Secretary, DIP, M/o. Commerce and Industry along with CCE Nagpur.
 32. Shri S. Kandasamy, DCE gave a lecture on “Workshop on Explosives Licensing” to DM's, ADM's, SP's and DySP's of all district of Kerala at Thiruvananthapuram, on 21.2.17 conducted by Kerala State Disaster Management Authority.
 33. Shri S.M.Kulkarni, DCCE, S.Kandasamy, DCE, Amitkumar DCE, C.J.Joseph, Asst. and M.P.Sugathan, LDC had visited the fireworks display accident site at Puttingal Devi temple premises, Paravoor, Kollam and assisted the Inquiry Committee in various capacities in the preparation of the Inquiry Report from 30/05/2016 to 04/06/2016.
 34. Shri S.M.Kulkarni, DCCE, A.K.Mehta, CE, S.Kandasamy, DCE, C.J.Joseph, Asst. and M.P.Sugathan, LDC had attended in their official capacity, a Public Hearing regarding Traditional Fireworks Display held at Collectorate, Thrissur under the Chairmanship of Shri Shailendra Singh, Jt.Secretary in the Ministry of Commerce & Industry, Udyog Bhavan, New Delhi on 23/01/2017 under the aegis of District Administration Thrissur which was also attended by S/Shr.N.T.Sahu, CCE, Nagpur, C.K.Ananthakrishnan, ADM, Thrissur, K.Sundaresan, DCCE (Sivakasi). The meeting was attended by around 150 persons who were mainly representatives of various temple/church festival committees located on the northern part of Kerala.
 35. Shri A.K.Mehta, CE attended a mock drill on site emergency plan (ERDMP), cross country pipelines of BPCL – Kochi refinery at Tripunitura, Irimpanam on 20/12/2016 – “Scenario – Leak on 24” M/s. Naphta pipeline”.



36. Sri G. Kumaraswamy, CE attended Hon'ble JMFC Court, Sivagangai, Tamilnadu On 20.03.2017 for rendering evidence in connection with Poolangurchi P.S. Cr.No.9/2009.
37. Sri G. Kumaraswamy, CE & Sri Remesan Pola, UDC Mangalore attended Training Programme on Accounts, Budget & PFMS at DTS, Gondkhairy, on 27.07.2016.
38. On 22.03.2017, Sri A.S. Kshirsagar, Dy.CE & Sri Govindaram N, Dy.CE attended On Site Mock Drill under "Emergency Response & Disaster Management Plan" conducted by M/s. IOCL at their Mangalore Terminal on 22.03.2017.
39. Sri Govindaram, N, Dy.CE attended Mock Fire Drill under "On-site Disaster Management Plan" conducted by M/s. HPCL at their LPG Import facility at Mangalore on 22.03.2017.
40. Sri A.S. Kshirsagar, Dy.CE & Sri Govindaram N, Dy.CE attended Off-site Mock Drill conducted by M/s. HPCL at their MHMB LPG Pipeline, Mangalore Dispatch Station on 24.03.2017.
41. A safety awareness programme for short firers of high explosives was conducted on 21.03.2017 at the CE office, Vellore.
42. A district level awareness programme on fireworks was conducted on 22.10.2016 at the Collector Office, Vellore

WEST CIRCLE, MUMBAI

MEETINGS

1. Shri T.O. Sasi, Jt.C.C.E. Mumbai delivered a lecture On '**Fireworks Manufacture**' on 26/04/2016 in the training programme for new Dy. Controller of Explosives organized by Chief Controller of Explosives at D.T.S., Nagpur.
2. Shri B. Basak, CE attended a training programme On 'Explosives Safety in Ammunition Depots' organized by DRDO at CFEES, Delhi from 25/04/2016 to 29/04/2016.
3. Shri A.K. Yadav, CE Baroda and Shri B. Basak, CE attended a training program on capacity building at Testing Station, Gondkhairy, Nagpur during 26th May 2016 to 28th May 2016.
4. Shri S.K. Shukla, Dy.CCE, Mumbai and Shri Vinod Kumar, Dy.CCE attended a training programme on capacity building At Testing Station, Gondkhairy, Nagpur from 23/06/2016 to 25/06/2016.
5. Shri P. Seeniraj, C.E. attended a meeting at Maharashtra Pollution Control Board, Mumbai on 12/07/2016 regarding review of order passed by NGT
6. Shri P. Seeniraj, C.E. attended a meeting at District Magistrate, Thane and Statement was given on 30/07/2016 before the Enquiry Committee framed by District Magistrate, Thane in connection with an accident occurred in M/s. Probace Enterprises.
7. Shri S.K. Shukla, Dy.C.C.E. attended a meeting on discussion of an official matters at the O/o. C.C.E., Nagpur on 31/08/2016.
8. Shri P. Seeniraj, C.E. attended Core Committee meeting at the O/o. DY.C.C.E., Sivakasi during the period from 03/08/2016 to 05/08/2016.
9. The Hindi Week was conducted in the office of the Jt.C.C.E., Mumbai from 14/09/2016 to 20/09/2016. Shri A Patni, Principal, Training College Punjab national bank, Mumbai has been invited for inauguration. The Hindi Week has been observed with various competitions such as Poster & Slogan Competition, Questionnaires & Hindi Translation, Rangoli and singing competitions etc. All the officers and staff members of this office were participated in the Hindi Week. Famous poet Shri Prakash Paplu was invited for closing ceremony of Hindi week.
10. Shri Vinod Kumar, Jt CCE has taken charge of Mumbai Circle office on 23/09/2017 and Shri S.K. Shukla, Jt.C.C.E was relieved.



11. Shri P. Seeniraj, C.E. attended the Core Committee meeting at the O/o. DY.C.C.E., Sivakasi during the period from 01/09/2016 to 02/09/2016.
12. Shri Vinod Kumar, Jt.C.C.E., Mumbai attended a meeting on 07/10/2016 at DGFASLI, Sion, Mumbai in constitution of Technical Advisory Committee.
13. Shri Vinod Kumar, Jt.C.C.E., Mumbai attended a meeting on 26/10/2016 at Mumbai in constitution of a Committee of experts to recommend guidelines on technical standards for the safety for natural gas – fuelled ships and LNG bunkering.
14. Vigilance Awareness Week was observed in the O/o. Jt.C.C.E., Mumbai from 31/10/2016 to 05/11/2016. Dr. S J Murthy, Add. Director, CGHS, was invited as Chief Guest and spoke about awareness on vigilance.
15. Shri Vinod Kumar, Jt.C.C.E. and Shri P. Seeniraj, C.E. attended a meeting on 05/12/2016 to finalize policy for use of fire crackers in public places with reference to the judgment given by NGT at the chamber of Municipal Commissioner, Greater Mumbai.
16. Shri Vinod Kumar, Jt.C.C.E., Mumbai attended a meeting on 19/12/2016 at Nagpur regarding amendment of Explosive Rules 2008 for fireworks shops.
17. Shri P. Seeniraj, C.E. attended a meeting conducted by DG Shipping, Mumbai at their office.
18. Dr. Yogesh Khare, Dy.C.C.E., Mumbai attended a meeting at Mumbai Port Trust on 25/01/2017 regarding handling of Bitumen.
19. Shri Basudev Basak, C.E., Mumbai attended a meeting on 08/02/2017 at the office of The Assistant Commissioner, B-Division, Municipal Corporation Building, Cross Lane, Mumbai regarding implementation of the orders of the Hon'ble High Court with respect to PIL No.152 of 2015 in connection with the sale & store of fireworks.
20. Shri P. Seeniraj, C.E. was deputed to the O/o Dy.CCE, Sivakasi from 06/02/2017 to 07/04/2017 as incharge of that office. He attended a safety awareness programme for workers of fireworks industries organized at Sivakasi by District Authority of Virudhnagar District, Tamilnadu.

SEMINARS

1. Shri B. Basak, CE attended training programme On 'Explosives Safety in Ammunition Depots' organized by DRDO at CFEES, Delhi from 25/04/2016 to 29/04/2016.
2. Shri S.K. Shukla, D.C.C.E. attended a seminar “PETROSAFE 2016” at Jaipur from 21/07/16 to 22/07/2016.
3. Shri Sanjay Kumar, C.E. attended a meeting with CIC, Delhi on 08/07/2016.
4. Shri Vinod Kumar, D.C.C.E. attended a seminar “PETROSAFE 2016” at Jaipur from 21/07/16 to 22/07/2016.
5. Shri Basudev Basak, C.E. attended a seminar “PETROSAFE 2016” at Jaipur from 21/07/16 to 22/07/2016.
6. Shri A.K. Yadav, C.E. attended Hindi meeting on NARAKAS on 26/07/2016 at Baroda.
7. Shri Sandeep Kumar, D.C.E. attended training on PFMS Budget & Expenditure on 27/07/2016.
8. Attended a seminar by Shri R. Piplani, DYCCE on safety at Gulbradsen chemicals Ltd. padara, Vadodara and delivered a lecture on MIAH installation on 10/03/2017.
9. Attended a seminar by Shri R. Piplani, DYCCE on Knowledge Sharing and process Safety Management organized by IRESC, New Delhi on 08/03/2017 and delivered a talk on MAH installations and MSIHC Rules 1989 3.) Attended a seminar by DYCCE on safety at Apollo Tyres Ltd at Wagodia, Vadodara on 04/03/2017 and delivered a talk on MAH installation and MSIHC Rules 1989.



LECTURES

1. Shri T.O. Sasi, Jt.C.C.E. Mumbai delivered a lecture On '**Fireworks Manufacture**' on 26/04/2016 in the training programme for new Dy. Controller of Explosives organized by Chief Controller of Explosives at D.T.S., Nagpur.
2. A quarterly meeting was held at Mumbai office on 31/05/2016. At the outset, Shri T.O. Sasi, Jt.CCE Mumbai welcomed all the officers, who came from the sub-circle office, Vadodara & Wardha. He reviewed the status of monthly returns, quarterly reports, accident investigation reports, police exhibit cases, destruction of fireworks/explosives and other financial matters. He also reviewed the status of inspections of the premises covered under MSIHC Rules. He advised the sub-circle heads to take all the junior officers for inspecting major installations and explosives manufacturing premises. He further advised to initiate penal action after inspection without any delay. Shri Vinod Kumar, Dy.CCE, Vadodara has clarified the payment of rent to be paid for his office building electricity bill and expenditure for daily wages.
3. One talk delivered on 01/03/2017 at M/s. M/s. Indian Oil Corporation Ltd. Pipelines Division Rajkot and another talk on 08/03/2017 in the workshop organised by M/s.IRESC, Delhi in Vadodara by Shri Sandeep Kumar DCE.

TRAINING ATTENDED

1. Shri A.K. Yadav, CE Baroda attended training programme on capacity building At Testing Station, Gondkhairy, Nagpur during 26th May 2016 to 28th May 2016.
2. Shri B. Basak, CE attended training programme on capacity building At Testing Station Gondkhairy, Nagpur during 26th May 2016 to 28th May 2016.
3. Shri S.K. Shukla, DY.CCE, Mumbai attended training programme on capacity building At Testing Station, Gondkhairy, Nagpur from 23/06/2016 to 25/06/2016.
4. Shri Vinod Kumar, DY.CCE, Baroda attended training programme on capacity building At Testing Station, Gondkhairy, Nagpur from 23/06/2016 to 25/06/2016

EAST CIRCLE, Kolkata

Meeting:

1. Shri M. K. Jhala, JT.CCE, EC, Kolkata and Shri R.N. Meena, Dy.CCE attended a meeting on 24.10.2016 at NABANNA (State Administrative Head Quarter), Howrah with members of FICCI and senior officials of WB Govt.
2. Shri R. N. Meena, Dy.CCE attended a meeting in the O/o. CCE, Nagpur on 30.8.2017
3. Shri R.N. Meena, Dy.CCE attended a Conclave on Explosives organised by M/s. IOCL, IBP Division at Gateway Hotel, Kolkata on 5.7.2016.
4. Sh. Subhasis Ray, CE attended meeting with officials of Paradeep Port, IOCL and EIL in connection with inspection and commissioning of Southern Oil Jetty on 02/07/2016 developed for export of petroleum products from Paradeep Refinery.
5. Sh. A.K. Meena CE and Sh. Nitin Shivaji Shete DyCCE attended meeting with traders of fireworks and Dy. Commissioner of Police at North Division area Kolkata at Sonar Tari under Tala P.S. on 21.10.2016 regarding Bazi Bazar Committee for the formation of Bazi Bazar Committee for the ensuing Kali Puja and Diwali Festival 2016.
6. Sh. A.K. Meena CE attended a coordination committee meeting in connection with Bazi Bazar 2016 at Auditorium of Police Training School, Kolkata on 20.10.2016
7. Sh. A.K. Meena CE and Sh. Nitin Shivaji Shete DyCCE on 5.12.2016 attended joint meeting regarding framing of detailed policy guidelines on grant of license for the fire cracker manufacturing at Nabanna, organised by Principal Secretary to the Govt. of West Bengal.



8. Dy.CCE, Ranchi attended meeting with D.C. Ramgarh on 5.10.16 regarding seized fireworks.
9. Shri M. K. Jhala, Jt.CCE, EC,Kolkata attended meeting on 19.12.2016 in the O/o. CCE,Nagpur regarding amendment of Explosives, 2008 with respect to safety distance to be maintained between fireworks shops and protected works .
10. Dy.CCE,Ranchi attended meeting with DC,Hazaribagh on 9.3.17 regarding Ram Navami Festival.
11. Quarterly meeting attended by CE Ranchi on 31.5.16 in the O/o. Jt.CCE,EC,Kolkata.
12. Video Conference regarding administrative matters was held on 18.11.2016 with CCE, Nagpur and other Circle Offices of PESO
13. Video Conference regarding Defence Committee and administrative matters was held on 15.3.17 with CCE, Nagpur and other Circle Offices of PESO
14. Video conference was held on 29.3.17 with CCE, Nagpur and other Circle Offices was carried out for Restructuring and manpower assessment study at PESO conducted by NPC New Delhi
15. Swachh Bharat Mission 2016 was celebrated on 3.10.2016
16. Qaumi Ekta Week (National Integration Week) was observed from 19th to 25th November,2016 and Flag Day on 25th November,2016.
17. Constitution Day on the occasion of Birth Anniversary of Dr. B.R. Ambedkar was observed on 25th November 2016.
18. Shri V.K.Mishra, Dy.CCE attended meeting with Dy.Commissioner, Distt. Hojai, Assam on fireworks on 16.12.2016
18. Guwahati office had conducted a meeting with Tank Lorry Fabricators & Competent persons under Petroleum Rules 2002 on 06.05.2016 in presence of Jt.CCE,EC,Kolkata to ensure strict compliance of Petroleum Rules 2002.

Lectures :-

1. Shri R.N. Meena, Dy.CCE delivered lecture on Petroleum Rules, 2002 through power point presentation in a safety awareness programme organized by M/s. IOCL, Kolkata on 15.6.2016. The programme was mainly based on safety with reference to storage, handling , use and transport of petroleum products including overall safety of major installations. About 30 senior IOCL officers attended the programme.
2. Shri R.N. Meena, Dy.CCE delivered lecture on 28.01.2017 on Gas Cylinder Rules 2016 and SMPV(U) Rules 2016 at Rajapur to the officials of M/s Echo Gas Pvt. Ltd in Howrah district.
3. Shri R. N. Meena, Dy.CCE delivered lecture on 09.03.2017 on Gas Cylinder Rules 2016 and SMPV(U) Rules 2016 at to the officials of M/s Praxair Gas Parbangla, Distt. South 24 Paraganas.

Seminars, Workshop

1. A workshop on 03.9.2016 was organised by O/o Jt. CCE Kolkata in coordination with M/s IOCL, Kolkata in the Conference Hall of IOCL, Kolkata on safety aspects in petroleum premises including major petroleum installations and petroleum service stations. A power point presentation was delivered by Shri R.N. Meena, Dy.CCE on storage, transportation, handling and use of petroleum products as per the statutory requirement of Petroleum Rules, 2002. Approximately 80 delegates attended the programme.
2. A workshop on 08.9.2016 was organised by O/o Jt. CCE Kolkata in coordination with M/s BPCL, Kolkata on statutory requirement of Gas Cylinder Rules and SMPV(U) Rules with special emphasis on safety aspects of major hazardous premises of LPG installations. A power point presentation was delivered by Shri R.N. Meena, Dy.CCE on filling, storage, handling and use of LPG as per as per the statutory requirements of Gas Cylinder Rules . Approximately 40 delegates attended the programme.



3. A workshop on 10.9.2016 was organised by O/o Jt. CCE Kolkata jointly with HPCL, Durgapur on safety aspects of major petroleum installations as per Petroleum Rules, 2002. A power point presentation was delivered by Shri R.N. Meena, Dy.CCE on storage, transportation, handling and use of petroleum products as per the statutory requirement of Petroleum Rules, 2002. Approximately 40 delegates attended the programme.
4. A workshop was organised by O/o Jt. CCE Kolkata in coordination with M/s. IOCL on 15.10.2016 at IOCL depot, Port Blair on safety aspects in petroleum premises including major petroleum installations, petroleum service stations. A power point presentation was delivered by Shri R.N. Meena, Dy.CCE on storage, transportation, handling and use of petroleum products as per the statutory requirement of Petroleum Rules, 2002. Approximately 40 delegates attended the programme.
5. A workshop on 04.2.2017 was organised by O/o Jt. CCE Kolkata in coordination with M/s HPCL, Kolkata on Requirement of Safety at Petroleum Premises at HPCL Kolkata Retail Regional Office. Shri R. N. Meena, Dy.CCE delivered a power point presentation on safety requirements of petroleum premises as per statutory requirements of Petroleum Rules, 2002. Officials of Kolkata RO and about 30 dealers of the regional office participated the workshop.
6. A seminar was conducted by O/o Jt. CCE Kolkata in collaboration with M/s BPCL Kolkata LPG division on Safe Handling, Transportation and Use of LPG and Other Petroleum Products on 04.03.2017. Shri R. N. Meena, Dy.CCE delivered a power point presentation on Safety requirements and other various safety issues on safe handling, Transportation and Use of LPG and Other Petroleum Products.
7. Safety programme on Gas Cylinder and Pressure Vessel was organised at TATA Steel Conference Hall on 25.06.2016. Lecture, Videos and Technical Presentations on Challenges in Gas Cylinder and Pressure Vessel Safety, SMPV(U) and Gas Cylinder Rules were delivered by Subasis Ray Controller of Explosives to Safety Personnel of TATA STEEL, Jindal Steel, Visa Steel and other industrial units located at Kalinganar. More than 50 participants attended the programme.
8. Lecture, Videos and Technical Presentations on General and Penal Provisions under Explosives Act 1884 and Rules framed there-under. More particularly the seizure of explosives by Police was delivered by Subasis Ray Controller of Explosives and Presentation delivered on ERS/ANRS by Shri J.Rout Dy CE to Police Officers of Special Task Force, Criminal Investigation Department, Crime Branch, Bhubaneswar on 17th September, 2016 (Saturday) at Bhubaneswar. Shri Arun Bothra, IPS, I.G, Economic Offence and Criminal Investigation Department, Crime Branch, Bhubaneswar, attended the Workshop as Chief Guest and Dr. Satyajit Nayak, I.P.S, Special Task Force, Criminal Investigation Department, Crime Branch, Bhubaneswar as guest of honour. More than 40 officers attended the programme.
9. Sensitization programme on Explosives Rules and Ammonium Nitrate Rules was organised in the District of Keonjhar at TATA Steel Conference Hall. Joda, Keonjhar on 17th December, 2016. Lecture, Videos and Technical Presentations on General and Penal Provisions under Explosives Act 1884 and Rules framed there-under was delivered by Subasis Ray Controller of Explosives and Presentation on ERS/ANRS By Shri J.Rout to Mine Owners, Explosives Magazine Occupier, Blasters and Mines Managers on 17th December, 2016 at Keonjhar TATA Steel Conference Hall. Joda, Keonjhar. More than 80 participants attended the programme.
10. The Odisha State Crisis Group Meeting chaired by the Chief Secretary Shri A.P.Padhi was organised at State Secretariat Conference Hall on 28.02.2017. The said meeting was attended by Subasis Ray Controller of Explosives and Shri J.Rout Dy Controller of Explosives. Discussions on various chemical emergency preparedness and suggestion were given for mitigating Chemical Disasters/Hazards.
11. A sensitization workshop pertaining to Fireworks safety was attended by Dy.CCE at District Hojai, Assam on 16.12.2016.



Publications:

- A technical book “CHALLENGES IN GAS CYLINDERS AND PRESSURE VESSEL SAFETY” compiled by Subasis Ray Controller of Explosives was released by Dr. S.Kamal Chief Controller of Explosives and Shri N.T.Shahu Jt Chief Controller of Explosives, at Nagpur on 30th September 2016. This technical book will pave way for rostrums to facilitate the government policy of compliance of safety regulations more by self-regulation by the stakeholders itself has put the onus on the industry to adhere to the safety norms voluntarily without being swayed by commercial interest.
- THREE Technical articles on AMMONIA GAS SAFETY, SAFETY IN CRYOGENIC GASES AND SAFETY & RELIABILITY OF CNG CYLINDERS written by Subasis Ray Controller of Explosives were published by **AIIGMA in Gas News**.

CENTAL CIRCLE, AGRA

MEETINGS

1. Sh. K.L.Silawat, Dy.CCE (I/C) attended the meeting of Circle Heads in Nagpur, held on 25.05.2016.
2. All the officers of Agra office and the Sub- Circle Heads attended the quarterly meeting of Sub-Circle Heads organized in the office of Jt. Chief Controller of Explosives, CC, Agra on 17.06.2016.
3. Sh. Deepak Kumar, Dy.CE, Dehradun attended the quarterly meeting held in the office of Jt.Chief Controller of Explosives, CC, Agra on 17.06.2016.
4. Sr.AO of DG (Audit Central Receipt) Gwalior audited the office of Controller of Explosives, Raipur during period 20.06.2016 to 29.06.2016.
5. Shri C.G.Kalambhe, CE, Raipur attended meeting with Shri N.N. Ekka, IAS Director, खाद्य, नागरिक आपूर्ति एवं उप सह संचालक, नया रायपुर on dated 03.08.2016 in connection with LPG Godown under Pradhanmantri Ujjwala Yojana.
6. A meeting on office matters was organized in this office of Dy. Chief Controller of Explosives, Allahabad under the chairmanship of Dr. A. K. Dalela, CE, on 09/09/2016. All the officers and staff members participated in the same.
7. Swachhh Bharat Mission was celebrated in the office of Controller of Explosives, Dehradun on 18.10.2016.
8. Vigilance Awareness Week was celebrated from 31.10.2016 – 05.11.2016 in the office of Jt.CCE, Agra.
9. The officers of the office of J. Chief Controller of Explosives, Agra participated in the Video Conferencing held with CCE, Nagpur on 18.11.2016.
10. All the officers of Agra office and the Sub- Circle Heads attended the quarterly meeting of Sub-Circle Heads organized in the office of Jt. Chief Controller of Explosives, CC, Agra on 22.11.2016.
11. Shri Waji Ud Din, Dy.CCE, Bhopal attended Quarterly Review Meeting on 22.11.2016 in the O/o Jt.Chief Controller of Explosives, CC, Agra.
12. Shri C.G.Kalambhe, CE, Raipur attended Quarterly Review Meeting held in the O/o. the Jt. Chief Controller of Explosives, Agra on dated 22.11.2016.
13. Dr. D C Pandey, CE, Dehradun attended Quarterly Review Meeting held in the O/o. the Jt. Chief Controller of Explosives, Agra on dated 22.11.2016.
14. During Communal Harmony Week, a meeting was organized under the Chairmanship of Sh. P.Kumar, Jt.CCE, Agra on 25.11.2016. All the officers and staff of Agra office attended the meeting.
15. Sh. P. Kumar, Jt.CCE, Agra attended the meeting of Circle Heads in Nagpur, held on 19.12.2016.
16. Shri C.G.Kalambhe, CE, Raipur attended meeting with Smt. Richa Sharma, Secretary, IAS, Shri N.N.



Ekka, IAS Director खाद्य, नागरिक आपूर्ति एवं उप सह संचालक Oil Companies officers & LOI holder in connection with LPG Godown for Co- Operative Societies on dated 11.12.2016 under Pradhanmantri Ujjwala Yojna at Hitwad Bhawan, Raipur.

17. Lecture was given by Shri C.G.Kalambhe, CE, Raipur on dated 11.12.2016 in the above meeting to the LOI holders in Durgam Kshetriya Vitrak(DVK) regarding procedure for obtaining licence and construction of LPG godown for the Co- Operative Societies as per GCR,2016.
18. Sh. Ajai Singh, CE, Agra attended the meeting of Central Government Welfare Co-ordination Committee held on 22.12.2016 in Income Tax Office, Agra.
19. A meeting on office matters was organized in the office of Dy. Chief Controller of Explosives, Allahabad under the chairmanship of Dr. T. L. Thanulingam, Dy.CCE, on 20.01.2017. All the officers and staff members participated in the same.

WORKSHOPS / TRAINING PROGRAMS

1. Dr. Karunamay Pandey and Dr. RKS Chauhan both, CE, Agra attended the capacity building programme for Controllers of Explosives, organized by the Office of Chief Controller of Explosives, Nagpur from 26.05.2016 to 28.05.2016.
2. Sh. K.L.Silawat, Dy.CCE (I/C) and Dr. MIZ Ansari, CE, Agra attended the Explo Safe Seminar in Nagpur held on 03/04.06.2016.
3. Sh. Deepak Kumar, Dy.CE, Dehradun attended the Explo Safe Seminar in Nagpur held on 03.06.2016.
4. One day workshop on “Safe Handling of Explosives” was conducted in the office of Controller of Explosives, Dehradun on 08.06.2016. Sh. D.C.Pandey, CE delivered lecture on the subject. Sh. Deepak Kumar, Dy.CE displayed a power point presentation on RE-13. The licensees from Uttarakhand State participated in the workshop.
5. Dr. MIZ Ansari, CE, Agra attended the Capacity Building Programme of the Dy.Chief Controllers of Explosives, organized at Nagpur office from 23.06.2016 – 25.06.2016.
6. Sh. K.L.Silawat, Dy.CCE (I/C) and Sh. Ajay Singh, CE, Agra attended the Petro Safe Programme in Jaipur held on 21 / 22.07.2016.
7. Shri C.G.Kalambhe, CE, Raipur attended Petro Safe Programme held at Jaipur on 21/22.07.2016.
8. Shri D.C.Pandey, CE, Dehradun attended Petro Safe Programme held at Jaipur on 21/22.07.2016
9. Shri Rajendra Rawat, CE, Bhopal attended Petro Safe Programme held at Jaipur on 21/22.07.2016
10. Shri C.G.Kalambhe, Controller of Explosives ,Raipur and one staff member Shri M.T.Khade, LDC attended one day training programme on Budget & PFMS held in the DTS & Training Institute, Gondkhairy, Nagpur on dated 27.07.2016.
11. On 12.11.2016, Jt.Chief Controller of Explosives, Agra trained the Dy.Controllers of Explosives, Agra in the premises of M/s Bharat Explosives Limited, Lalitpur.
12. A technical workshop was organized in the office of Joint Chief Controller of Explosives, Agra on 24.11.2016 under the Chairmanship of Sh.P.Kumar, Jt.CCE. Sh. Prashant Sharma from Reliance, Mumbai and Sh. Vivek Gupta from Reliance, Lucknow gave power point presentation on “Safe and Efficient Fuelling – Non Transport Sector”. All the officers of Agra office attended the workshop.
13. A technical workshop was organized in the office of Joint Chief Controller of Explosives, Agra on 25.11.2016 under the Chairmanship of Sh.P.Kumar, Jt.CCE. Sh.Hemant Narang, GM (Works), M/s Meenakshi Associates Private Limited, Greater Noida gave power point presentation on “Capacity of Cylinder for Cylinder Manufacturing”. All the officers of Agra office attended the workshop.
14. Sh. Deepak Kumar, Dy.CE displayed a power point presentation on SMPV Rules 2016 in one day workshop organized in the office of Controller of Explosives, Dehradun on 13.02.2017



15. On 14.02.2017, a technical workshop was organized in the office of Jt.CCE, Agra wherein Sh. Burjin H. Adibam from M/s Omega Electronic Scale Company Limited, Mumbai gave a power point presentation on “Use of Flammable Electronic Weighing Machine in LPG Godowns”. All the officers and staff of the office of Jt.CCE, Agra attended the workshop.
16. A technical workshop was organized in the office of Jt.CCE, Agra on 21.02.2017 wherein a representative of M/s New Safe LPG Products Ltd., Muzaffarnagar gave a power point presentation on “New Facilities for Manufacturing of Regulators for Low Pressure LPG Cylinders”. All the officers and staff of the office of Jt.CCE, Agra attended the workshop.
17. One day workshop was organized in the office of Controller of Explosives, Dehradun on 17.02.2017 on “Gas Cylinder Rules 2016”. Sh. D.C.Pandey, CE discussed on the subject and Sh. Deepak Kumar, Dy.CE displayed a power point presentation.
18. Shri Waji Ud Din, Dy.CCE, Bhopal & Shri Tejveer Singh, Dy.CE attended training programme at M/s Bharat Oman Refinery, Bina Distt. Sagar on 27.02.2017 & Dy.CE attended training on 27.02.2017 to 01.03.2017 organized by O/o Jt.CCE, Agra.
19. Shri Waji Ud Din, Dy.CCE, Bhopal & Shri Tejveer Singh, Dy.CE attended training programme at Bharat Explosives Ltd, Lalitpur (U.P.) on 28.02.2017.
20. Shri S.K.Bhole, Dy.Controller of Explosives, Raipur attended training Programme on 27.02.2017 at Bharat Oman Refinery Limited, Bharat Explosives Limited on dated 28.02.2017 and delivered power point presentation on SMPV(U) Rule, 2016 on dated 01.03.2017 in the O/o. the Jt.Chief Controller of Explosives, Raipur.
21. Shri G. S. Ghodeswar, MTS, Raipur attended Five days training programme on various new Modules of PFMS held in Training Institute, Nagpur on dated 06.03.2017 to 10.03.2017.

VISITS

1. Dr. Karunamay Pandey, CE, Agra attended Police Case in Kanpur Nagar on 14.07.2016.
2. On 11.11.2016 and 12.11.2016 5800 kg unserviceable explosives was destroyed in M/s Bharat Explosives Limited, Lalitpur, under the supervision of officers of the office of Jt.CCE, Agra.
3. Sh. P. Kumar, Jt.CCE and the other officers of the office of Jt.CCE, Agra planted trees in the premises of M/s Bharat Explosives Limited, Lalitpur on 12.11.2016.
4. Dr. M.I.Z.Ansari, Dy.CCE and Dr.R.K.S.Chauhan, CE, Agra inspected the office of Dy. Chief Controller of Explosives, Bhopal on 20/21.01.2017.
5. Sh. Rajendra Rawat, CE, Bhopal inspected the office of Controller of Explosives, Raipur on 20/21.01.2017.
6. Sh. Ajay Singh, CE, Agra visited and inspected a Gun Powder factory in Dehradun on 21.01.2017
7. Lecture was given by Shri S.K.Bhole, Dy.Controller of Explosives, Raipur on SMPV(U) Rule, 2016 in the O/o. M/s. Hindustan Petroleum Corporation Limited, LPG Bottling Plant Mandir Hasaud Raipur on dated 27.03.2017.

NORTH CIRCLE, FARIDABAD

Meetings

1. Quarterly Hindi meetings were conducted in the office on 20.06.2016, 15.09.2016, 21.12.2016 and 23.03.2017 to review the use of Rajbhasha in official work.
2. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh conducted meeting of “Internal Complaints Committee” under the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 in the office of Chief Controller of Explosives, Nagpur on 29.11.2016 and minutes of meeting were submitted to the Chief Controller of Explosives, Nagpur.



3. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh conducted meeting of "Internal Complaints Committee" of the office of Dy. Chief Controller of Explosives, Chandigarh under the "Sexual Harassment of Women at workplace (Prevention, Prohibition and Redressal) Act, 2013 in the office of Dy. Chief Controller of Explosives, Chandigarh on 21.12.2016.
4. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh attended meetings conducted by the Principal Secretary to the Govt. of Punjab, Department of Industries and Commerce, Udyog Bhawan, Sector 17, Chandigarh on 02.12.2016, 12.01.2017 and 06.03.2017 on "Process Flow for granting clearances/NOCs from various Departments/Organizations for laying of Pipeline-city Gas Distribution (CGD) Network/Projects and provide desired inputs.
5. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives and Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended quarterly meeting in the office of Jt. Chief Controller of Explosives, North Circle, Faridabad on 30.01.2017 on Administrative Matters.
6. Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended meetings in the office of Dy. Chief Controller of Explosives, Sivakasi on "Core Group on Fireworks" from 01.08.2016 to 03.08.2016 and from 01.09.2016 to 02.09.2016.
7. Shri Gagan Aggarwal, Dy. Controller of Explosives, Chandigarh along with Shri Kaushik Barman, U.D.C. of this office attended a Hindi meeting conducted by NARAKAS, Chandigarh at Kisan Bhawan, Sector 35, Chandigarh on 21.06.2016.
8. Shri Gagan Aggarwal, Dy. Controller of Explosives, Chandigarh coordinated with CPWD, Chandigarh in connection with issue of Rent Reasonability Certificate in respect of new office premises and attended a meeting held by the CPWD, Kendriya Sadan, Chandigarh on 28.11.2016 in the matter.
9. Shri Manmeet Singh Manhas, Dy., Controller of Explosives, Chandigarh and Shri Kaushik Barman, UDC of this office attended a Hindi meeting conducted by NARAKAS, Chandigarh at Kisan Bhawan, Sector 35, Chandigarh on 28.11.2016.

Meetings/Conferences

1. A Mega conference "PETROSAFE-2016" was organised at JECC, Sitapura Industrial Area, Jaipur on 21st and 22nd July 2016 jointly by Petroleum & Explosives Safety Organization (PESO) and Petroleum/Gas Industries in India with technical collaboration from National Safety Council. Shri Shailendra Singh, IAS, Joint Secretary, Govt of India, Department of Industrial Policy and Promotion, Min. of Commerce and Industry, inaugurated the event. This Conference sought to enhance the level of understanding of all the issues related to safety of handling of petroleum products at every stage of manufacturing and distribution. More than 650 participants from the Oil Industry and related Industries attended this Conference, which provided an opportunity to all delegates for cross learning, sharing global best practices and examining real life case studies through a series of interactive sessions and panel discussions led by Industry experts.

Elaborating on this, Dr. Sudarshan Kamal, Chief Controller of Explosives, PESO addressed the gathering and also emphasised the need to proactively manage all issues w.r.t. safety, keeping in mind all the technological advancements happening around us. As stated above, around 650 participants from various Oil Companies, both in private as well as public sector, including IOC, BPCL, HPCL, RIL, Aegis Group, SHV, TOTAL and many others attended and benefited from this Conference. A compendium with over 70 well researched technical papers was given as part of the delegate kit. A concurrent exhibition showcasing latest technological trends in hydrocarbon industry was also held where more than 40 exhibitors participated.



2. A Meeting of Explosives and Pyrotechnic Sectional Committee, CHD 26 was held on 02nd Sept 2016 at O/o Deputy Chief Controller of Explosives, Jaipur. The meeting was chaired by Dr. Sudarshan Kamal, Chief Controller of Explosives, PESO and Smt. Chitra Gupta, Scientist E & Member Secretary-CHD 26. This 21st CHD meeting constitutes Raw Materials Subcommittee, CHD 26:1, Pyrotechnics Subcommittee, CHD 26:2, Packaging Subcommittee, CHD 26:3, Explosives Subcommittee, CHD 26:4.
3. Two meetings on Safe storage of LPG Cylinders were held with LPG Dealers Association on 08.04.2016 and 12.04.2016 at O/o Deputy Chief Controller of Explosives, Jaipur and chaired by Dr. A P Singh, Deputy Chief Controller of Explosives, Jaipur.

TRAINING

1. Sh. MK Jhala, Dy.CCE, attended a training for Capacity Building Programme for Dy. CCE at DTS, Gondkhairy, Nagpur on 23/6/2016 to 25/6/2016.
2. Sh. K.P.Sharma, CE, attended training for “Account Budget & PFMS” at DTS, Gondkhairy, Nagpur on 27/7/2016.
3. Dr. B.Singh, CE & Dr. SK Singh, CE attended training for Capacity Building Programme for Controllers at DTS, Gondkhairy, Nagpur on 26/5/2016 to 28/5/2016.
4. Sh. M.Manohar, Dy.CCE, NC, Fbd attended a training for alignment of remaining Public Authorities on Web portal “RTI ONLINE” at CSOI, Vinay Marg New Delhi on 7/12/2016.
5. Dr. Mahesh Kumar Samota, Dy.CE attended training on “Good Regulatory Practice and Regulatory Impact Assessment” at India Habitat Centre, Lodhi Road, New Delhi by Quality Council of India its collaboration with National Board of Trade and Embassy of Sweden from 13/12/2016 to 14/12/2016.
6. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh attended a “Capacity Building Programme for Dy. Chief Controller of Explosives” in the office of Chief Controller of Explosives, Nagpur w.e.f. 24.06.2016 to 25.06.2016.
7. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh attended two days workshop on Sexual Harassment of Women at Workplace at ISTM, New Delhi on 18th-19th August 2016.
8. Shri Gagan Aggarwal, Dy. Controller of Explosives and Shri Manmeet Singh Manhas, Dy. Controller of Explosives, Chandigarh attended Orientation training programme for newly recruited Dy. Controller of Explosives held by the Chief Controller of Explosives, Nagpur from 25.04.2016 to 10.05.2016.
9. Shri Deepak, LDC and Shri Ashish Dahiya, LDC attended and completed successfully training course of Hindi Typing conducted by the Assistant Director, Hindi, Rajbhasha Vibhag, Sector 9, Kendriya Sadan, Chandigarh.

SEMINAR

1. Sh. R.P. Singh, Jt.CCE, NC Faridabad attended EXPLOSAFE 2016 alongwith Dr. SKS, CE National Seminar at Hotel Le-Meridien, Nagpur on 3-4/6/2016.
2. Sh. R.P. Singh, Jt.CCE attended a Programme on 23/6/2016 as directed by CCE alongwith Dr. SKS, CE regarding “To Launch Pilot Programme in the country to run TWO Wheelers on CNG” by Sh. Dharmendra Pradhan Hon'ble Minister of State (Independent Charge), P&NG, Shri Prakash Javadekar, Hon'ble Minister of State (Independent Charge), Environment, Forest & Climate Change and Smt. Meenakshi Lekhi, Hon'ble M.P.
3. Sh. R.P. Singh, Jt.CCE, Sri M.K.Jhala, DY CCE, Dr. S K Singh, CE & Dr. AP Singh, Dy.CE attended Petrosafe 2016 Seminar on 21/22-7-2016 at Jaipur.





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'	20	09	32
2	Group 'B'	07	03	05
3	Group 'C'	45	23	52
4	Group 'D'	17	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'	-
3	Group 'C'	3
4	Group 'D'	-



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

Together with its five circle offices, eighteen Sub-circle offices, Departmental Testing Station at Gondkhairi and Fireworks Research and Development Centre at Sivakasi, PESO 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 aim of ensuring maximum use and propagation of Hindi in the Head Office as well as in its Circle/ Sub Circle offices, all possible steps were taken to implement the rules and provisions contained in the Official Language Act (Official Language Act), 1963 passed by the Parliament.

All efforts were made to achieve the targets laid down in the Annual Programme 2016-17 circulated by Department of Official Language to all the offices of Central Government. With the aim of achieve increased progressive use of Hindi in the official work and for effective implementation of official language Act, 1963, Various Divisions of the Office have been notified to do their maximum official work in hindi only. In pursuance of rule (4) of Rule 10 of the Official Language (Use for official purposes of the Union) Rules, 1976 almost all the offices of PESO have been notified in official gazette since 80% staff of the offices have acquired working knowledge of Hindi.

With a view 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.

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. 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, four meetings of the above Committee have been organized. Various important issues were discussed for effective implementation of the official language policy in PESO. The status of the Quarterly



Report of all the offices 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 levels for its effective compliance.

PARTICIPATION IN THE MEETING OF THE ADVISORY COMMITTEE OF DIPP

Hindi Advisory Committee meetings under the chairmanship of Smt. Nirmala Sitaraman Hon'ble Minister of Commerce and Industry, Department of Industrial Policy and Promotion held at New Delhi on 24/06/ 2016 was attended by Dr. S. Kamal, Chief Controller of Explosives and its meeting held on 20.02.2017 was attended by Shri N.T. Shahu, Jt. Chief Controller of Explosives (HOD).

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 N.T. Shahu, Jt. Chief Controller of Explosives and Smt. Vaishali Cirde, Hindi officer, Nagpur attended the 3rd & 4th half yearly meeting of Town Official Language Implementation Committee held on 06/05/2015 and 19.10.2016 respectively. In order to promote hindi, Inter-office competition – *Chitra par aadharit kaavya lekhan* was organized on 05.08.2016 by peso, Nagpur under the aegis of TOLIC, Nagpur. Employees of the offices participated in the various Inter-office competitions organised by other offices.

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 16th 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, Pragma 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 complied.

BILINGUAL ONLINE LICENSING MODULES

In compliance of Section 3(3) of the Official Languages Act, the organization's online licensing modules has been made bilingual. All the licenses, orders, permits, approvals are being issued bilingual.

ONLINE QUARTERLY HINDI PROGRESS REPORT MODULE

For monitoring of implementation of official language in the Organisation, 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

Under Town Official Language Implementation Committee, Nagpur PESO, Nagpur received the following awards:-



O/o Chief Controller of Explosives, Nagpur: for the year 2016-2017

Received Outstanding Prize for Effective use of Information Technology in promotion of Hindi in PESO.
Incentive prize for excellent performance in implementation of Official Language.
Received 3rd prize for its Hindi Magazine “Visphotak Darpan” Issue-15
Received 3rd prize for its PESO 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 Second Prize, for the Year 2016-2017, for their excellent performance in implementation of Official Language by the TOLIC, Agra.

O/o Jt. Chief Controller of Explosives, North Circle, Faridabad

For the Year 2014-2015, the office of Joint Chief Controller of Explosives, Faridabad was awarded Second prize, for its excellent performance in implementation of Official Language by the TOLIC, Faridabad.
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, 18518 premises (out of total 108703 units licensed) were inspected. This amounts to inspection of 17.03 % of the total premises. The inspected premises mentioned above include 7792 licensed premises under Explosives Rules, 2008; 4192 licensed premises under Gas Cylinder Rules; 6238 licensed premises under SMPV (U) Rules and 296 licences premises under Ammonium Nitrate Rules, 2012.

UNDER PETROLEUM ACT, 1934

During the year, 5640 premises licensed were inspected, which amounts to about 2.97% of the total 189948 licensed premises. The above inspections include 5603 premises licensed under Petroleum Rules, 2002 and 37 premises licenced under Calcium Carbide Rules, 1987.

In all out of 298651 premises covered under various licenses granted by this Organization under various Acts & Rules, 24,158 premises (8.09%) were inspected during the year 2016-17. 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 2016-2017

Rules	As on 31.03.2016	Licensed in the year 2016-17	Total as on 31.03.17	No. of Inspections in the year 2016-07
Ammonium Nitrate Rule, 2012	998	347	1205	296
Explosives Rules, 2008	47986	5440	47265	7792
Gas Cylinder Rules, 2004	30746	1501	26420	4192
SMPV(U) Rules, 1981	33425	6184	33813	6238
Petroleum Rules, 2002	193124	19637	189434	5603
Calcium Carbide Rules, 1987	493	21	514	37
Total	3,06,772	33,130	2,98,651	24,158



**TABLE II
DETAILS OF CANCELLATION, SURRENDER, SUSPENSIONS AND
REVOKATION CARRIED OUT DURING THE YEAR 2016-2017**

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	16	11	10	11	9	3
3	Gas Cylinder Rules, 2004	277	1084	271	686	259	679
4	SMPV(U) Rules, 1981	32	96	9	14	129	239
5	Petroleum Rules, 2002	185	708	38	65	172	458
6	Calcium Carbide Rules, 1987	-	-	-	-	-	1
	Total	512	1908	330	776	570	1390

Chart showing the number of Licensed Premises and number of Inspection carried out during 2016-2017

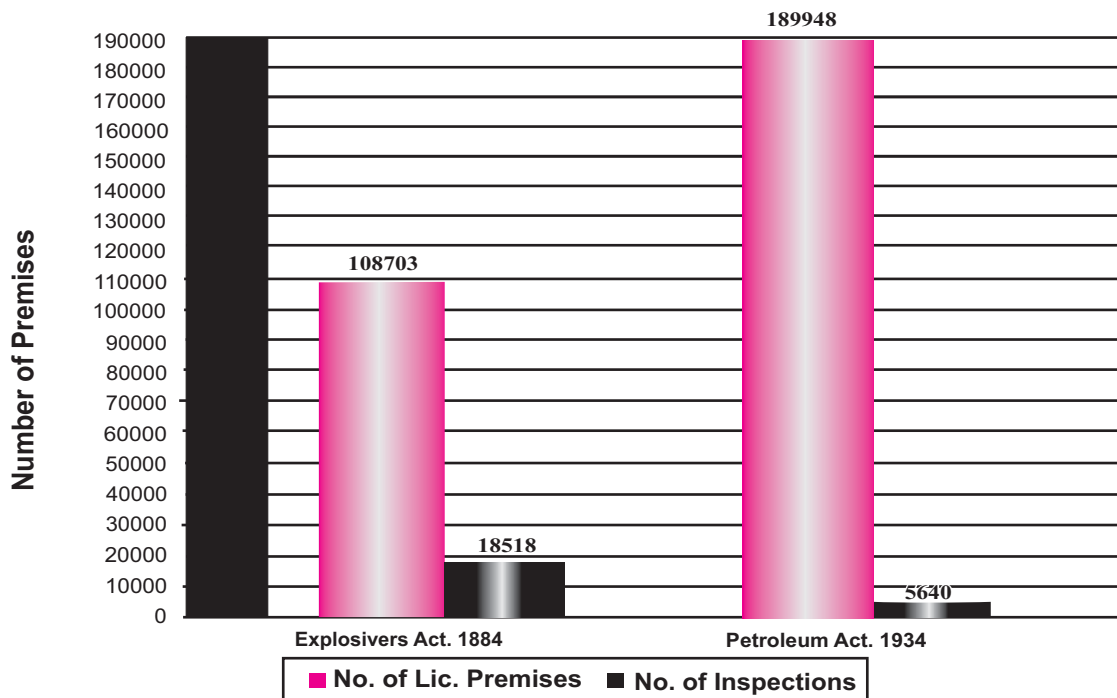




Table – III
Production of different types of explosives during last 5 years

Description	Annual Installed Licenced capacity(MT) as on 17.085.206	2012-13	2013-14	2014-15	2015-16	2016-17
Class 1 Gun Powder (Metric Tonnes)	1595.55	577.7	549	535.327	552.165	662.038
Class 2 (a) Cartridges (b) Site Mixed (Metric Tonnes)	580386 1350385	267275 495946	269999 521419	344146.4 604234.6	378989.957 762850.379	409188.873 802238.108
Class 3 Div-2(NG) Booster and PETN* (Metric Tonnes)	** 16418.67	5656.5	6186	7015	7996.384	Nil 9079.647
Class 6 Div 1 Safety Fuse (Million meters)	268.29	77.1	75	68.7	61.1	53.26
Class 6 Div 2 Detonating fuse (Million mtrs)	576.2	649.0	428	457.7	479.6	612.828
Class 6 Div 3 Detonators (Million no-)	969.05	992.2	1032	906.7	969	1120.731

*PETN, Penta Erythritol Tetra Nitrate



**ACCIDENT INVESTIGATION DURING THE PERIOD 2016 -2017****SOUTH CIRCLE, CHENNAI****A. EXPLOSIVES ACT, 1884****A.1 Explosives Rules, 2008**

- 1. Date: 07/04/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – Nil Injured – 1

Fire accident occurred in the fireworks premises of M/s RSR Amorges, Sivakasi License No: E/HQ/TN/20/771 (E27462) on 07.4.2016 while making serpent egg using a power operated tablet making machine in shed No.19. From the circumstantial evidence & statement of the witnesses, it is evident that friction due to the forward and backward motion of the chemical tank of tablet making machine over the iron base plate which might have generated a spark and subsequently resulted into fire.

- 2. Date: 07/04/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 2 Injured – 6

Fire/explosion occurred on 21.5.16 in the fireworks factory of M/s Latcham Fireworks Industries covered under licence No. E/SC/TN/20/494 (E12002) while carrying out manufacturing of chakkaram in white powder filling shed no.10. From the circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred due to overheating and prolonged storage of tipping composition might have got decomposed and fire was initiated resulting into fire and explosion in the shed.

- 3. Date: 30/05/2016 Place: Sivakasi, Virudhnagar, TN**
Killed – 1 Injured – 1

Fire and explosion accident occurred in the premises of M/s Vadivel Pyro Park, Sivakasi, License No. E/HQ/TN/20/1093(E41007) on 30/05/2016 in white powder mixing room no.25. It is evident that accident might have occurred due to spark generated by friction during mishandling of mixed white powder by the worker which led to minor fire and subsequent explosion.

- 4. Date: 09/06/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 2 Injured – Nil

Fire/explosion occurred on 9.6.16 in the fireworks factory of M/s Sri Krishnasamy Fireworks covered under licence No. E/HQ/TN/20/659 (E5786) while application of tipping composition over the chakkaram tubes in white powder mixing shed. From the circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred during application of tipping composition over the chakkaram tubes which was subjected to friction cum impact.

- 5. Date: 14/07/2016 Place: Sivakasi, Virudhnagar**
Killed – 1 Injured – 2

Fire and explosion accident occurred at white powder filling shed No.5 of Fireworks manufacturing factory of M/s Sri Gomathi Fireworks Factory, Sivakasi, License No: E/SC/TN/20/499(E50643) on 14/07/2016. From the circumstantial evidence & statement of the witness, the unsafe act during the manufacture of chakkaram fireworks, without adopting safe manufacturing process might have initiated fire resulted into explosion.



- 6. Date: 23/07/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 1 Injured – Nil

Fire/explosion occurred on 23.7.16- in the fireworks factory of M/s Standard Fireworks (P) Ltd., covered under licence No. E/HQ/TN/20/1133 (E46605). 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 coals (fire) which might be present at the bottom of the pit.

- 7. Date: 30/07/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – Nil Injured – Nil

Fire accident occurred in the premises of M/s. Yes Vee Agencies, Sivakasi on 30/07/2016 at around 11.00 AM in a trade magazine covered under license No E/HQ/TN/21/1410(E28680).

- 8. Date: 12/10/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 1 Injured – Nil

Fire and explosion accident occurred in the fireworks premises of M/s Shree Lalithambiga Fireworks, Sivakasi, License No: E/SC/TN/20/308 (E6547) on 12.10.2016 in the white powder filling shed No. 11. White powder composition has been prepared in the morning hours and stored in the building for next day use in filing process. From the circumstantial evidence & statement of the witness, the decomposition of the white powder composition might have developed heat subsequently fire.

- 9. Date: 07/10/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – Nil Injured – Nil

Fire accident occurred at one compartment of the fireworks magazine located inside the fireworks manufacturing factory of M/s Shree Sivaraj fireworks factory, Sivakasi, License No: E/HQ/TN/21/1667(E43745) on 07/10/16.

- 10. Date: 20/10/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 8 Injured – 15

Fire/explosion occurred on 20.10.16 in the fireworks shop of Shri N.Suthanthirarajan covered under licence No. E/SC/TN/24/113 (E20048) while loading and re-arranging fireworks carton cases in front of fireworks shop. From the circumstantial evidence and interrogation of the witness, it appeared that the impact and friction while falling/dragging the fireworks carton cases over the metal trailer of the metal van.

- 11. Date: 15/11/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 2 Injured – Nil

Fire/explosion occurred on 15.11.16 in the fireworks factory of M/s Ayyan Fireworks (P) Ltd., covered under licence No. E/HQ/TN/20/935 (E32285) while unloading of waste fireworks from the vehicle into the burning pit. From the circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred due to destruction of waste fireworks carelessly without conformation of presence of hotness/source of ignition by the workers.

- 12. Date: 26/12/2016 Place: Sivakasi, Virudhnagar, Tamilnadu**
Killed – 3 Injured – 5

Fire/explosion occurred on 26.12.16 in the fireworks factory of M/s RR Fireworks Factory covered under licence No. E/HQ/TN/20/1356(E84011) while manufacturing aerial fireworks in the pellet making shed no.3. From the circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred due to friction/heat developed during the manufacturing process using iron implements.



13. Date: 11/02/2017 Place: Sivakasi, Virudhnagar, Tamilnadu

Killed – 2 Injured – 1

Fire/explosion occurred on 11.2.17 in the white powder filling shed of M/s Devibala Fireworks Factory covered under licence No. E/HQ/TN/20/1334 (E83908).

14. Date: 24/02/2017 Place: Sivakasi, Virudhnagar, Tamilnadu

Killed – Nil Injured – Nil

Fire/explosion accident occurred in the compartment of the Fireworks magazine of M/s. Standards Fireworks (P) Limited, Sivakasi License No: E/HQ/TN/21/1903(E83845) on 24/02/2017. No worker was either injured or killed.

15. Date: 11/3/2017 Place: Sivakasi, Virudhnagar, Tamilnadu

Killed – 5 Injured – 7

Fire/explosion occurred on 11.3.17 in the fireworks factory of M/s Nagamalli Fireworks Industries covered under licence No. E/SC/TN/20/487 (E47037) while manufacture of wheel in white powder filling shed no.4. From the circumstantial evidence and interrogation of the witness, it appeared that the accident might have occurred due to handling of white powder composition in excess of permitted quantity in white powder filling shed no.4.

16. Date: 13/02/2017 Place: M/s GOCL, Hyderabad

Killed – Nil Injured – 1

An explosion occurred in the Crimping cubicle No.1 of Building No.27 of electric detonator crimping shop at 11.35 a.m. The building is licensed for crimping of filled shells with the fuse head assembly to manufacture the electric detonators. In the general shift (8.30 a.m. to 5.30 p.m.) on 13/2/2017, a contract labour namely Smt.M.Laxmi (employee No.610) was working in Cubicle No.1 of the said building. After crimping 1050 Nos. of filled shells with fuse head assembly, during the next crimping of the filled shell with fuse head assembly, an explosion occurred in the collet of crimping machine resulting into the injury of the right hand fingers of the said contract worker. Probable cause of accident is unsafe act of worker while undertaking crimping operations and not follow SOP's.

17. Date: 10/04/2017 Place: Paravoor, Kollam, Kerala

Killed – 110 Injured – 461

A tragic fireworks display accident happened at the temple premises of Puttingal Devi Temple located at Paravur in Kollam Dist of Kerala, wherein 110 people dead and 461 injured. The Accident happened in the early at about 3.13 hours on 10/4/2016. Sri S.M. Kulkarni, DCCE investigated the accident and submitted the report in time to the Chief Controller of Explosives. The accident happened in the unauthorized fireworks display site. From the Inquiry, it was evident that the fireworks display did not have a legal valid licence for the public display of fireworks. Unauthorized fireworks were used for the fireworks display using banned chemicals resulted in the tragic fireworks accident.

18. Date: 03/05/2016 Place: Salem, Tamilnadu

Killed – 6 Injured – Nil

An explosion occurred in an DM licensed 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.

19. Date: 14/03/2017 Place: Vellore, Tamilnadu

Killed – 2 Injured – Nil



An explosion occurred in unauthorized fireworks manufacturing premises. The cause of accident is under investigation.

A. EXPLOSIVES ACT, 1884

A.1 Gas Cylinder Rules, 2016

- 1. Date: 26/12/2016 Place: NayanaHalli vill, Chikkaballapur Dist., Karnataka**
Killed –Nil Injured –Nil

Two trucks loaded with LPG cylinders were parked in front of the godown on 25.12.2016 for unloading. 25.12.2016 being Sunday & Christmas day, the cylinder could not be unloaded as the labourers were not available. At about 00.30 hrs on 26.12.2016, the security person of the godown heard a loud sound and saw the LPG cylinders exploding one after another from one of the trucks and ran away to the safety and informed the matter to the relatives of the licensee. Out of the affected 896 cylinders, 450 cylinders were completely burnt. Two trucks and one more small truck parked in the parking area were completely burnt. The godown was also damaged in the explosion.

A. PETROLEUM ACT, 1934

A.1 Petroleum Rules, 2002

- 1. Date: 25/07/2016 Place: Mysore Dist., Karnataka State**
Killed –Nil Injured –Nil

Fire incident occurred in one of the storage tanks of furnace oil (T-001 B) out of two tanks T-001 A & T-001 B in the premises of Bank Note Paper Mill India Pvt. Ltd. Mysore while transferring the product FO from storage tank to boiler day tank. The operator started the transfer pump; but there was no flow in the inline flow meter. As there was provision to heat the FO with the help of electric immersion heaters, he started the heaters. Within 10-15 minutes, the operator standing near the transfer pump, heard a loud sound. The roof of the tank involved in the accident had detached from the top and found ruptured. Some bottom portion of the tank was lifted from foundation. A crack developed near the cylindrical surface near the bottom of the tank. Ladder & overflow line of second F.O. tank (T-001A) was also damaged in the accident.

The accident occurred due to ignition of petroleum vapours inside the tank which directly came into contact with the hot surface of upper elements of immersion heaters since the same were not immersed in the oil. None was killed or injured in the accident.



**WEST CIRCLE, NAVI MUMBAI****A. EXPLOSIVE ACT, 1884****A.1 Explosives Rules, 2008**

- 1. Date: 06/07/2016 Place: Akola**
Killed – Nil Injured – Nil

A Fire broke out in a fireworks magazine at 04.30 PM on 06/07/2016 situated at Akola. As a result of the fire, damage was caused to the magazine. The accident might have occurred as some unauthorized person had thrown external source of fire which resulted in the fire accident. Hence, sabotage was the most probable cause of the accident.

- 2. Date: : 13/10/2016 Place: Rajkot**
Killed – 1 Injured – Nil

An explosion occurred in an explosive magazine of M/s Ajit Agency, Rajkot, licensed for storage of detonators, Class-6, Div-3 explosive on 13.10.2016 at around 1.15 am. One person got killed in the accident. The said magazine was blown away completely due to explosion.

- 3. Date: : 27/10/2016 Place: Nadiad, Distt: Kheda**
Killed – Nil Injured – Nil

A fire accident reportedly occurred on 27.10.2016 at around 8.00 pm, in a shop situated at Mill Road, Nadiad, Distt: Kheda, which was licensed by District Magistrate, Distt: Kheda (Gujarat) for storage and sale of fireworks. No one was killed neither injured in the said fire accident. The fireworks shop and the upper floor of the building were gutted by fire. The probable cause of fire was due to short circuit in loose electrical connections.

- 4. Date: : 28/10/2016 Place: Rustampura, Tal: Waghodiya, Distt: Vadodara (Gujarat)**
Killed – 8 Injured – 6

A tragic fire accident occurred on 28.10.2016 at 5.15 pm in two unauthorized fireworks shop, adjacent to each other, situated in Village: Rustampura, Tal: Waghodiya, Distt: Vadodara (Gujarat) claiming 8 lives and 6 others suffering severe burn in later succumbed to death in hospital. As per eyewitnesses, the fire broke due to short circuit in electrical metering box placed just above the unauthorized stall of fireworks placed by two residents of the village.

- 5. Date: : 02/02/2017 Place: Anand, Distt: Anand (Gujarat)**
Killed – 1 Injured – 1

A fire accident occurred on 02.02.2017 at around 10.50 am, in a fireworks shop situated at Guru Nanak Society, Anand, Distt: Anand (Gujarat), which was licensed by District Magistrate, Distt: Kheda (Gujarat). 1 person was killed and 1 person received severe burn injury. The fireworks shop and two adjacent shops were fully gutted in fire.

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

- 1. Date: : 24/11/2016 Place: Jamnagar (Gujarat)**
Killed – 2 Injured – 6

Fire accident occurred in Fluidized Catalytic Cracking Unit of the Petroleum Oil Refinery of M/s Reliance Industries Limited, Jamnagar at around 3.30 am on 24.11.2016. In the accident 2 persons got killed



and 6 persons received severe burn injuries. Left over hydrocarbon vapors in the Depentanizer Receiver and its inter connected piping somehow escaped, during maintenance operation, and got flashed resulting into spread of fire in the designated maintenance area.

- 2. Date: : 01/12/2016** **Place: Kandla- Bhatinda pipeline**
Killed –Nil **Injured –Nil**

An accident occurred due to rupture in extension portion of Kandla- Bhatinda pipeline of M/s Indian Oil Corporation Limited on 01.12.2016 at around 8.00 pm. No person was killed in the accident nor was any injury reported to any person. The probable reason for said accident/ rupture was due to weak longitudinal seam joints over a period of time.

- 3. Date: 02/12/2016** **Place: Borivali, Thane Dist.**
Killed –Nil **Injured – 5**

A spark was developed while starting a two wheeler bearing Regn No:MH 02AE8802 by a rider by kick start after fueling the vehicle in the service station at 11.30 AM on 02/12/2016 situated at Borivali, Thane Dist. The spark was generated from the engine of the two wheeler. As soon as he noticed the spark, he had dropped the vehicle and left the place. The fire spread to the entire motorcycle. No damage was caused to the service station. Five forecourt sales persons were injured when they tried to douse the fire.

- 4. Date: 17/12/2016** **Place: Bhiwandi bypass Thane District**
Killed –Nil **Injured –2**

An accident occurred when a tanker lorry carrying Ammonium Nitrate Melt collided with a loaded truck parked on the road side near Bhiwandi bypass road at 04.45 AM on 17/12/2016, Thane District. As a result, the guard and the helper of the Ammonium Nitrate tanker sustained minor injury.

- 5. Date: : 05/02/2017** **Place: Dahej, Distt: Bharuch (Gujarat)**
Killed –Nil **Injured –Nil**

A fire accident was reportedly occurred at around 1.15 am on 05.02.2017, in the barrel storage shed, forming part of licence granted in Form-XV, of M/s Shiva Pharmachem Limited, Dahej, Distt: Bharuch (Gujarat). Fortunately no fatality or injury was reported. In the said fire accident, barrel storage shed and approx 4.00 MT petroleum class-A burnt out completely.

- 6. Date: 12/04/2016** **Place: Panvel, Distt. Raigad**
Killed –Nil **Injured –Nil**

There was a minor fire at the deliver line of the MS compartment of the tanker bearing Registration No.MH-46 F-8012 at 09.45 AM on 12/04/2016, when it was parked at the service station situated at Panvel, Distt. Raigad for unloading the products. Within no time the fire spread to the other tanker parked adjacent to this tanker. The fire might have developed due to static charge developed at the delivery line of the compartment as the tanker was not earthed.

A. EXPLOSIVES ACT, 1884

A.2 Gas Cylinder Rules, 2004

- 1. Date: 03/12/2016** **Place: Bhiwandi Taluka District Thane**
Killed –1 **Injured –2**

An explosion occurred in a cylinder filling shed of M/s. Super Multi Gases LLP, at 05.45 PM on 03/12/2016 situated at Bhiwandi Taluka, Distt. Thane. As a result of the accident, one person was killed and two persons were injured. Deposition of oil /Grease on spindle key might have caused friction/spark which in turn led to the explosion of oxygen cylinder.



A.3 SMPV (U) Rules, 1981

1. **Date: : 31/01/2017** **Place: Dahej, Distt: Bharuch (Gujarat)**
Killed –Nil **Injured –Nil**

A massive fire accident occurred in the factory premises of M/s Sterling Auxilliarities Pvt. Ltd., Dahej, Distt: Bharuch at around 3.20 am on 31.01.2017, which engulfed almost entire factory area within no time. Fortunately no fatality or injury was reported. The fire accident also affected pressure vessel storage area for Ethylene Oxide and Ammonia. The most probable reasons for such a massive fire accident were either short circuit in the electrical installed in packing section or spark due to static charge.

UNAUTHORISED PREMISES

1. **Date: : 27/08/2016** **Place: Chandkheda, Ahmedabad**
Killed –Nil **Injured –Nil**

Fire broke out in a manhole of storm water channel in Chandkheda, Ahmedabad on 27.08.2016 at around 9.30 am, followed by an explosion resulting into popping up of 22 manholes. No injury or casualty was reported in the incident. It appears that the fire occurred due to leakage of some combustible gas mixture from sewerage line passing nearby.

CENTRAL CIRCLE, AGRA

A. EXPLOSIVES ACT, 1884

A.1 Explosives Rules, 2008

1. **Date :01/06/2016** **Village - Katra Gulab Singh Bazar** **District: Pratapgarh**
Killed:04 **Injurded :03**

Smt. Shahjahan Bano W/o Sri Chandbabu had a licence from District Magistrate for manufacture and sale of fireworks in premises situated at about 500 M from the place of accident in village Pure Torahi Distt. Pratapgarh. On the strength of this licence she used to manufacture and sale fireworks from her house/ shop at Katra Gulab Singh Bazar. Family members of Sri Chandbabu were cooking breakfast for his family. All of sudden fireworks stored near gas stove caught fire leading to huge explosion.

2. **Date : 25/10/2016** **Place:Vill. Pitarkunda Tiraha Habibpur Dist. Varanasi**
Killed:05 **Injurded :04**

The ground floor of residential house was being used as manufacturing of unapproved type of fireworks .All of sudden a blast took place on 25.10.2016 . Due to result of blast at ground floor of this house, stone slab ceiling of the house caved in and pillars / walls suffered heavy damage tendering the building unsafe to enter,

3. **Date: 28.10.2016** **Place: Village - Bhanaida, PS - Loni, Distt Ghaziabad , UP**
Killed –2 **Injured - Nil**

An accident took place in fireworks manufacturing unit licensed by DM most probably due to possible fall of heavy object on impact sensitive explosion mixture .The room of the premised was exploded and shed was damaged where the mixture being used to make oversized unapproved traditional fireworks commonly used in marriage ceremonies and festival.

4. **Date : 29.10.2016 , Place: IG Stadium, Amarwada, Dist. Chhindwara (M.P.)**

**Killed- Nil Injured - Nil**

A fire incident occurred at IG Stadium, Amarwada District Chhindward, ten temporary fireworks shops were burned. As per Police investigation and eye witnesses accident happened due to personal dispute of shop owner with person who spread petrol and lit fire in fireworks shop of shop owner. As per investigation shops were constructed with tent house material and 3 meter safety distance was not maintained between the shops, due to which fire spread and ten shops were burnt.

Under Gas Cylinder Rules, 2004 NIL

Under SMPV(U) Rules 1981 NIL

UNDER PETROLEUM ACT, 1934**Under Petroleum Rules, 2002**

1. **Date :12.08.2016. Place: Mohaba Bazar, Raipur, Dist. Raipur. (C.G.)**
Killed- 1; Injured – 1.

Explosion occurred in the petroleum road tanker Regd. No. CG-17/KJ-9048 (with bottom loading facilities) of M/s. Mithila Fuels, Jagdalpur, Dist. Bastar. While hot repair work at the petroleum tanker fabrication shop of M/s. Avani Engineering Works, Mohba Bazar, Raipur at about 15.30 Hrs. on dated 12.08.2016. The most probable cause of accident involving explosion in compartment No. 2 of the Petroleum tanker was ignition of MS vapour – air- mixture.

2. **Date : 31.12.2016, Place: Bhitoni Depot, Shahpur, Dist. Jabalpur (M.P.)**
Killed- Nil Injured -02

A fire incident occurred at M/s Indian Oil Corporation Ltd., Shahpur Bhitoni Depot District Jabalpur in Bay no.4 while filling MS. The cleaner of the vehicle was on the roof of the tanker, putting the safety hook in the safety belt which was there on his body may got dis balance and take a help of loading arm which got dislocated from the filling point of the tanker and MS may fall on the tanker body and dispersed on the ground took a flash from the source (which is under investigation) and fire ball was formed which exploded the roof and then fire started on tanker.

3. **Date: 18.03.2017 Place: Hathras, Dist. Hathras, Uttar Pradesh.**
Killed – Nil Injured - 2

An accident occurred in a retail outlet of M/s IOCL during decantation of petroleum products . Investigation and cause of accident is underway.

NORTH CIRCLE, FARIDABAD**A. EXPLOSIVE ACT, 1884****A.1 Explosives Rules, 2008**

1. **Date: 28.04.2016 Place: Shripura. Rawatbhata, District Chittorgarh, Raj.**
Killed – Nil Injured -Nil

Fire accident occurred on 28/04/2016, at 7.45 PM at The Explosive Manufacturing premises of M/s Super Shiv Shakti chemicals pvt ltd. located at village Shripura Tehsil Rawatbhata, District Chittorgarh, State Rajasthan.

2. **Date: 11.08.2016 Place: Shripura. Rawatbhata, District Chittorgarh, Raj.**

**Killed – 4****Injured -1**

Fire accident occurred on 11th August 2016 at 4.45 PM in the licensed premises of M/s Super Shiv Shakti Chemicals pvt ltd. village Shripura, Tehsil Rawatbhata, District Chittorgarh, State Rajasthan covered under Licence no. E/HQ/RJ/20/21 (E-23420) in Form 20 under Explosives Rules 2008.

3. **Date: 14.10.2016** **Place: Shripura. Rawatbhata, District Chittorgarh, Raj.**

Killed – Nil**Injured -Nil**

A Fire/Explosion occurred on 14/10/2016 at 2.30 AM at the Explosive premises of Sh. Kapil Dev S/s Lalchand Heeralal at Kishanpole Baazaar Jaipur, District Jaipur, State Rajasthan covered under Licence No. E/NC/RJ/24/9 (E-12166) in Form 24.

A.2 Gas Cylinder Rules, 2004**A.3 SMPV (U) Rules, 1981****B. PETROLEUM ACT, 1934****B.1 Petroleum Rules, 2002**

1. **Date: 20.02.2017** **Place: M/s HPCL premises at Manesar, Gurgaon Hry)**

Killed – 1**Injured -Nil**

A car entered the retail outlet at the normal speed from Egress side. CCTV footage show that the vehicle was moving towards the MS dispenser without any effort by the driver to prevent collision with the dispenser. After collision the vehicle came to complete halt and dispenser caught fire instantly. During fire fighting by the salesmen and local fire brigade, the driver was found dead in the cabin with burn injuries.

2. **Date: 31/05/2016** **Place: Udaipur to Chittorgarh road, Bhootpura, Dist Udaipur** **Killed – Nil** **Injured -2**

3. Fire/Explosion occurred on 31/05/2016 at 7.45 PM at the Petroleum premises located at Plot/Khasra no. 104/3 Udaipur to Chittorgarh road Bhootpura, District Udaipur, State Rajasthan covered under licence no. P/NC/RJ/14/3294 (P-242058) in Form XIV and P/NJ/RJ/11/5408 (P-207644) bearing registration no. RJ-27GA4612.

4. **Date: 20.09.2016** **Place: Chakpapadiya Taluka Kapsan, Dist Chittorgarh, Raj.** **Killed – Nil** **Injured -Nil**

A Fire accident occurred on 20th September 2016 at 7.18 PM in the petroleum premises of M/s Hindustan Zinc Ltd. Araj No. 5 Village Chakpapadiya Taluka Kapsan, District Chittorgarh, State Rajasthan covered under Licence no. P/HQ/RJ/15/2275 (P-231771) in Form XV.

5. **Date: 20.02.2017** **Place: Rangbari to Kota road, District Kota, State Raj.**

Killed – Nil**Injured -Nil**

Fire accident occurred on 20/02/2017 at 6.30 PM at the Petroleum premises of M/s Indian Oil Corporation Ltd. (Shubham filling station at UITS, Balaji Market, Rangbari to Kota road, District Kota, State Rajasthan covered under Licence no. P/NC/RJ/14/2042 (P-128949) in Form XIV and Petroleum Road Tanker registration No. RJ-20GB-0754.

**EAST CIRCLE, KOLKATA****A. EXPLOSIVE ACT, 1884****A.1 Explosives Rules, 2008**

1. **Date : 25.7.2016** **Place : Churulia, District- Burdwan , West Bengal**
Killed - Nil **Injured – Nil**

Fire/explosion occurred at explosives premises covered under licence no. E/HQ/WB/21/163(E15609). Explosion occurred in the detonator magazine of M/s. OTIF India, situated at Churulia, Dist. Burdwan, West Bengal. Probable cause of accident may be the lightning which had occurred on 25.7.2016 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 voltages to initiate sensitive electric detonators probably kept very close to wall and resulted into explosion.

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

1. **Date : 16.4.2016** **Place : Tenduni, Bikramganj, Dist. Rohtas, Bihar**
Killed - Nil **Injured – Nil**

An accident occurred at petroleum retail outlet at Tenduni, Bikramganj, Dist. Rohtas, Bihar during decantation of MS from tank truck to underground tanks without providing any earthing connection. The probable cause of accident after investigation was found that the earth pit was not connected with copper strip upto the fill point and also there was not any provision of earthing for tank truck near fill point. Since charges were not allowed to dissipate through earthing connection, it was possible that enough charges were carried by tank truck and might have generated the spark .

2. **Date : 23.8.2016** **Place : Mahipal, Kendrapara, Odisha**
Killed - Nil **Injured – One**

Accident occurred while maintenance work in a petroleum service station was under progress. The manhole of 20KL underground MS tank was kept open and at same time pipeline repairing job was undertaken in adjoining trench that attributed to fire and explosion near manhole of the underground MS tank. The fire incident was momentary. As a result of the fire incident the tank fittings and portion of canopy above the tank were damaged. The DCP fire extinguishers were pressed into service immediately and the fire was brought under control.

3. **Date : 27.9.2016** **Place : Premtola, Silchar, Kachar District, Assam**
Killed - Nil **Injured – Two**

Fire broke out in a retail outlet at Premtola, Silchar, Kachar District, Assam. Tanker loaded with MS was parked for unloading. As soon as one of its discharge faucet was opened for unloading, fire broke out, probably due to generation of static electricity.



4. **Date : 23.11.2016** **Place : Imphal Town, Manipur**
Killed - Nil **Injured – Nil**

Fire accident occurred in a retail outlet of M/s. IOCL at Imphal Town, Manipur involving a tanker. Before decantation one operator opened emergency vent and after completing sampling for density check he put a plastic bucket into MS filled small metallic drum kept under discharge faucet of tank truck, fire broke out at the site.

5. **Date : 23.01.2017** **Place : Budge Budge, District -South 24 Parganas, W. B.**
Killed - Two **Injured – Two**

Accident occurred at BPCL Budge Budge depot while carrying out evacuation of MS from tank no. TK-22 to TK-42. Both the manholes of the tank TK-22 were opened to ensure the complete evacuation. The MS vapour cloud formed might have ignited due to nearby ignition source and caused fire. In this fire two persons were killed and two persons were seriously injured.

6. **Date : 03.3.2017** **Place : Haldia, District- East Midnapore, West Bengal**
Killed - Nil **Injured – Nil**

A portion of the crude oil loop line from Haldia to Barauni ruptured at 12 km from Halida resulting into the spillage of crude oil and stoppage of loop line to Barauni.

C. SMPV (U) Rules, 1981

1. **Date : 19.12.2016** **Place : Near Gjalabadi village, Koraput, Odisha**
Killed - Nil **Injured - One**

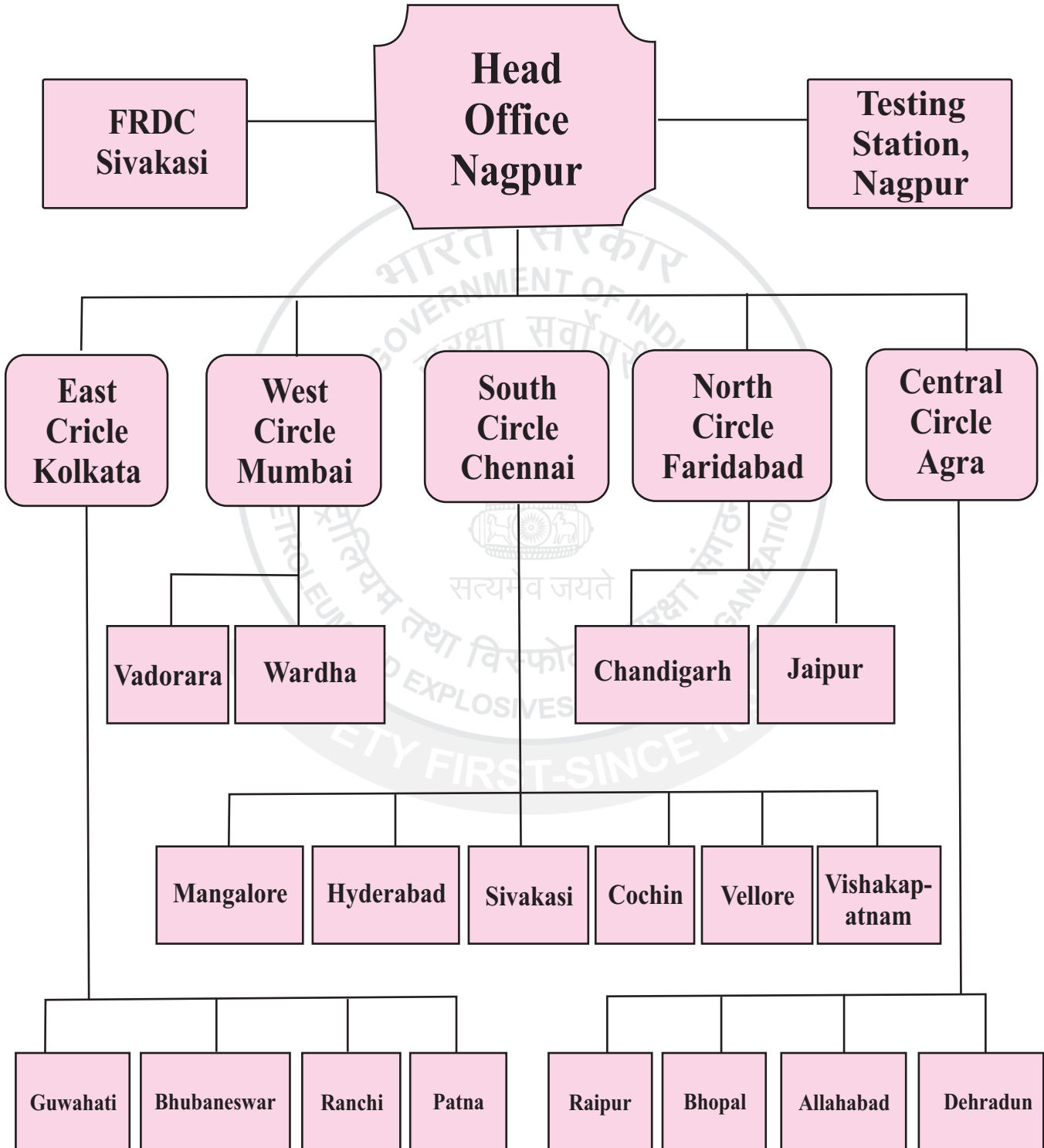
Accidental leakage of LPG from road tanker occurred due to toppling and the safety fitting hitting the ground. The road tanker bearing registration no. NL-01-L-2078 overturned and the fittings housed in the weld cap hit the ground resulting in damage to the safety fittings. The emergency response vehicle and standby tanker were pressed into service to salvage the material but material could not be transferred due to cold weather and finally the LPG was vented out in controlled manner at the place of occurrence. The fire incident was greatly averted due to timely action of Local Authority and IOCL Officials.





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 Web-site: http://peso.gov.in		
01	Nagpur	Chief Controller of Explosives, Petroleum And Explosives Safety Organization Block "A", 5 th 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 EPABXNo- 27575946 Fax No.- 27575967
Sub-Circle Office				
02	Vadodara	Dy. Chief Controller of Explosives, 8 th Floor, Yash Kamal Building, Opposite M.S. University Sayajigunj, Vadodara – 390 020	Gujarat	STD Code (0265) 2361035, 2225159 Fax No.- 2225952
Factory Attached 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, Kolkata 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, House No. 216, 2 nd Floor, Above IDBI, Chandmari, Guwahati 781021 Dist. Kamrup (Metro) 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, 3 rd Floor, Sri Mohan Sita Compound, 5 Main Road, Behind Sushila Automobiles, Ranchi (Jharkhand,) Pin - 834001	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 dyccehub@explosives.gov.in
Sub-Circle Office				
05.	Patna	Controller of Explosives, 4th Floor, 'F' Wing, Karpuri, Thakur Sadan, Ashiyana- Digha Road, Digha, Patna (Bihar) - Pin 800 025	Bihar	STD Code (0612) 2565914, 2565925 Fax No.-2565913 cepatna@explosives.gov.in
D. South Circle		E-mail: jtcechennai@explosives.gov.in		
01.	Chennai	The Jt. Chief Controller of Explosives, A & D Wing, Block 1-8, IInd Floor, Shastri Bhavan, 26, Haddous Road, Nungambakkam, Chennai – 600 006 (TN)	Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Pondicherry & the Lakshadweep islands	STD Code (044) Tel:, 28281041, Fax No.- 28514848



Sub-Circle Office				
02.	Ernakulam	The Dy.Chief Controller of Explosives, C 2, III rd Floor, CGO Complex, Opp. CSEZ, Kakkanad, Ernakulam, Kochi – 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, IInd Floor, City Centre Building, Opp. Hotel Roopa, Balmatta Road, Mangalore – 575001	Karnataka	STD Code (0824) 2420167, 2441588 Fax No.-2423937
Sub-Circle Office				
04.	Sivakasi	Dy. Chief Controller of Explosives, Door No. 7-20-13, Kirlampudi Layout, Visakhapatanam- 530 017 (A.P.)	Districts of Ramanathapuram, Virudhunagar, Sivagangai, Madurai, Theni, Dindigul, Tirunelveli, Tuticorin, Thanjavur, Thiruvavarur, Nagapattinam, Kanyakumari	STD Code (04562) 254353, 254253 Fax No.- 255233
Factory attached				
05.	Vellore	The Controller of Explosives, Pl. No. A2/118, Door No. 3, 5th East Cross Road, Gandhi Nagar Town Panchayut, Katpadi Taluk, Vellore District - 632 006 (TN)	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, 6 th Floor, C.G.O. Towers, Kavadiguda, Secunderabad – 500 080, (A.P.)	Telangana State, Yenam in the Union Territory of Pondichery	STD (040) 27540359, 27547863 (D) Fax No. 27547803
07.	Visakhapatnam	Dy. Chief Controller of Explosives, Door No. 7-20-13, Kirlampudi Layout, Visakhapatanam- 530 017 (A.P.)	Andhra Pradesh, Yenam in the Union Territory of Pondicherry	STD (0891) 2722258 Fax No. 2722259



E. Central Circle E-mail: jtceagra@explosives.gov.in				
01.	Agra	Jt Chief Controller of Explosives, 63/4, A-Wing, 2 nd Floor, C.G.O. Complex, Sanjay Place, Agra 282 002 (U.P)	Uttar Pradesh and Madhya Pradesh, Uttaranchal and Chattisgarh	STD (0562) 2521322, 2850161, 2523244, 2523266 Fax No.- 2527436
Sub-Circle Office				
02.	Allahabad	Dy. Chief Controller of Explosives, H. NO. 326 C, Kriti Audyogik Prasikshan Kendra, Near Muirabad Petrol Pump, Stenly Road, Allahabad - 211 002	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
Sub-Circle Office				
03.	Bhopal	Dy. Chief Controller of Explosives, „E-7/41, Ground Floor & 1st Floor, Lala Lajpat Rai Society, Arera Colony, Bhopal – 462 016 (MP)	State of Madhya Pradesh	STD (0755) 2420775, 2445270 Fax No.- 2429997 email: dyccebhopal@explosives.gov.in
Sub-Circle Office				
04.	Dehradun	Controller of Explosives, 42 /1, Indira Nagar, Near, Asian School, Dehradun (Uttarakhand) – 248006	State of Uttarakhand	STD (0135) 2769780 Fax No.-2769794 email: cedehradun@explosives.gov.in
05.	Raipur	Controller of Explosives, Avanti Vihar Colony, Main Road, Near Nala, Post Shankar Nagar, Raipur (Chhattisgarh) Pin - 492007	State of Chhattisgarh	STD (0771) 2442204 Fax No.- 2442204 email: ceraiipur@explosives.gov.in



F. North Circle		E-mail: jtcefaridabad@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
Sub-Circle Office				
02.	Chandigarh	Dy. Chief Controller of Explosives, SCO 802, Second Floor, NAC, Manimajra, , Chandigarh- 160101	Chandigarh, Punjab, Himachal Pradesh and Jammu & Kashmir	STD (0172) 2731035, 2731036 Fax No.- 2731040 dcechandigarh@explosives.gov.in
Sub-Circle Office				
03..	Jaipur	Dy. Chief Controller of Explosives, Amrapali Road, Near Power House, Vaishali Nagar, Jaipur 302 021 (Raj.)	Rajasthan	STD (0141) 2356731, 2356781 Fax No.- 2350279 dcejpr@explosives.gov.in
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
H. FRDC				
01.	Sivakasi (FRDC)	Fireworks Research and Development centre, Near E.S.I. Hospital, Sivakasi West, Virudhunagar District, Tamil Nadu – 626124.	-	STD (04562) 254402, Fax No.- 254404
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

**SANCTIONED STRENGTH OF OFFICERS & STAFF
OF THE ORGANIZATION**

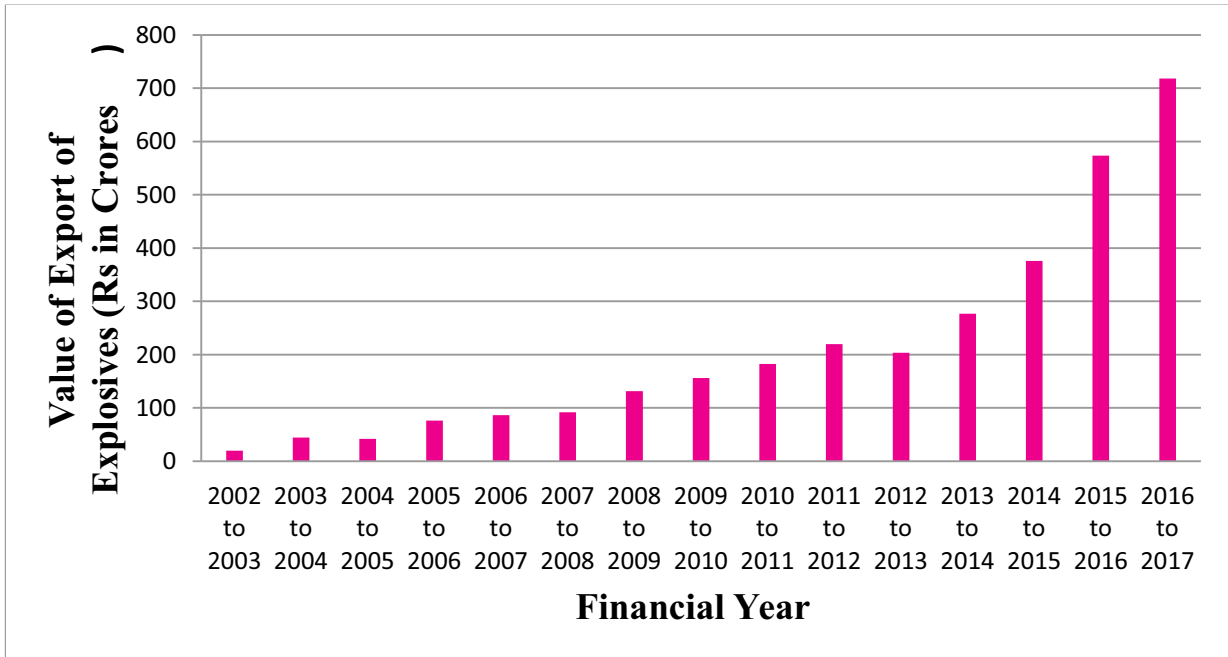
Sl.	Name of the post	HO	DTS	FRDC	CHEN	KOL	FBD	Agra	MUM	Sub Circle offices	TOTAL
1	Chief Controller of Explosives	1	0	0	0	0	0	0	0	0	1
2	Jt. Chief Controller of Explosives	2	0	0	1	1	1	1	1	0	7
3	Dy. Chief Controller of Explosives	4	0	1	1	1	1	1	1	13	23
4	Controller of Explosives	6	1	1	5	4	4	4	5	16	46
5	Dy. 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 2016-2017**

Sr. No.	Explosives	Class	Quantity Metric Tonnes, Million Mtrs, Million Nos.
1	Gun Powder	1 Div. 0	662.038
2	Nitrate Mixture	2 Div. 0	409488.873
3	SME	2 Div. 0	802238.108
4	PETN+Cast Booster	3 Div.2	9079.647
5	Safety Fuse	6 Div. 1	53.26
6	Detonating Fuse	6 Div. 2	612.828
7	Detonators(all kinds)	6 Div. 3	1120.731
8	Micro Cord	7 Div. 3	12,23,255.485

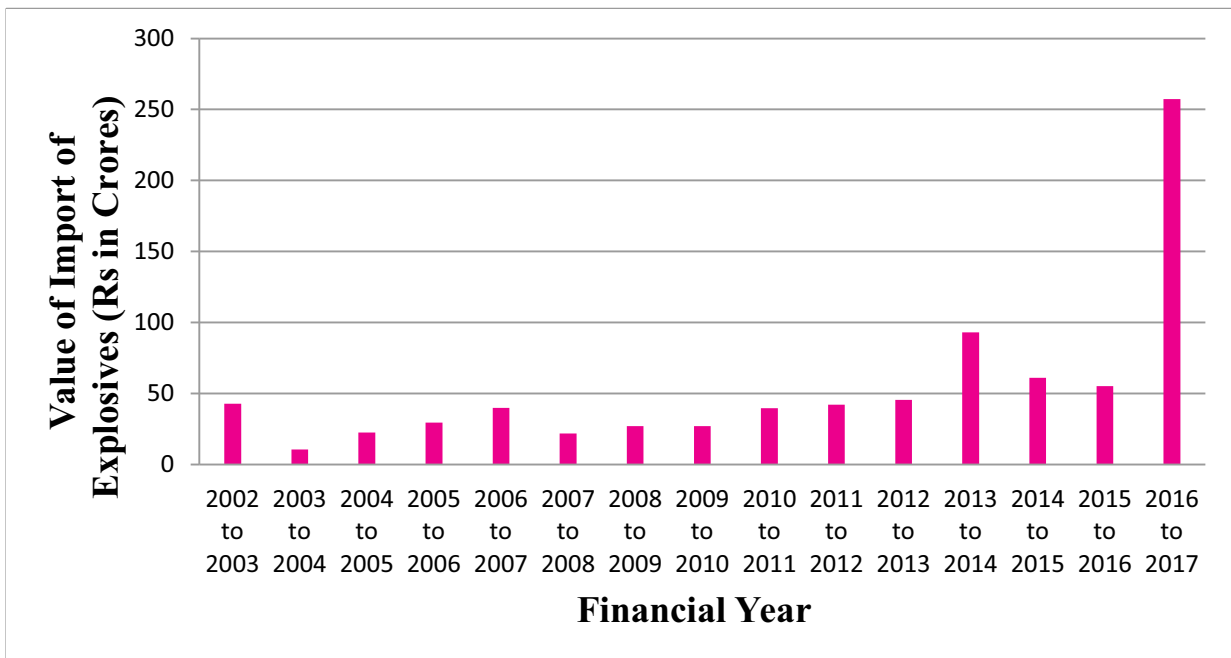
ANNEXURE -V**EXPORT & IMPORT OF EXPLOSIVES****EXPORT:**

During the year 2016-2017, 371 Nos. of licenses were granted in favour of Indian explosives manufactures for exportation of authorised explosives manufactured by them. Indian made explosives & accessories are known for their quality & performance and well received in the highly competitive global market. The value of explosives exported in the year 2016-2017 was worth Rs. of 718.01 Crores. The increase in trend on the export of Indian made explosives shown in the bar chart diagram in terms of value of explosives exported during 2002 to 2017 is encouraging the Indian Explosives Industry as well contributing to the Indian Economy. This could be achieved by the Indian Explosives Manufacturers as they become equally efficient and quality conscious at par with the demands of the overseas market.



IMPORT:

During the year 2016-2017, 176 Nos. of licenses were issued for importation of explosives. The value of explosives imported was Rs. 257.25 Crores. The import of explosives of foreign origin are primarily oil well logging explosives imported by the oil well operating or oil well service providing companies. Explosives which are not manufactured in the country are only being imported which are meant for specialized applications.



**DESTRUCTION OF EXPLOSIVES DURING THE YEAR 2016-2017**

Class-1	74 kg.
Class-2	60485.984 kg.
Class-3 Dvi.2	6044.5 kg.
Class 6 Div.1	54966.61 mtrs.
Class 6 Div.1 (nos)	50 Nos.
Class 6 Div.2	34978.95 mtrs.
Class 6 Div.2 (nos)	69897 nos.
Class 6 Div.3	655117 nos.
Class 7 Div.2	433452.34 kg.
Class 7 Div.2 (2)	2477.5 Nos.
Ammonium Nitrate	210 kg.



ANNEXURE-VII

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

A Comparative statement of production of Cylinders, Valves & Regulators During 2014-2015, 2015-16 & 2016-17 is given below.

Sr. No.	Items Manufactured	Nos. Manufactured During		
		2014-15	2015-16	2016-17
01.	Welded load Carbon steel Gas Cylinders For			
	a. LPG	10,656,085	1,71,69,909	1,82,74,975
	b. Dissolved Acetylene Gas	817	-	
	c. Other low pressure Liquefiable Gas	2672	-	
	Total (a + b + c)	10,659,574	1,71,69,909	1,82,74,975
02.	Welded Large Containers for low pressure Liquefiable Gas	300		
03.	Seamless Steel Cylinders for Permanent & high pressure Liquefiable Gas	7,28,530	7,65,709	9,63,008
04.	Valve for :			
	a. LPG Cylinders	3,28,92,276	3,31,82,875	2,55,57,076
	b. Other Gas Cylinders.	56,808	23,539	2,82,276
	Total (a + b)	3,29,49,084	3,32,06,414	25839352
05.	Low Pressure LPG Regulators.	10,327,945	1,64,91,267	1,25,58,345

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 2016-17, **946 Licenses** were granted to cover importation of **95,345** cylinders filled with various gases/ gas mixtures & **68,600** 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 **24,097** empty cylinders/containers were imported & re- exported duly filled with gas.



ANNEXURE-VIII

LIST OF MANUFACTURERS OF LPG VALVES

(Approved during 01.04.2016 to 31.03.2017)

Sr	Name and address of the Company
1.	M/s. SUSAN AUTOCOM PVT. LTD., 112, Anurag Nagar, B/H Press Complex, A.B. Road, Indore – 452 010 (MP).

ANNEXURE-IX

LIST OF MANUFACTURERS OF LPG CYLINDERS

(Approved during 01.04.2016 to 31.03.2017)

Sr. No.	Name and address of the Company
1.	M/s. Amba Cylinders Ltd., C-41, Site-C, Surajpur Industrial Area, Greater Noida, District G.B. Nagar, Uttar Pradesh – 201 306.
2.	M/s. Bihariji Containers Pvt. Ltd., IDCO Plot No. 12, 12C, 189 & 190, (Shed No.4), Mancheswar IE, Bhubaneswar – 751 010
3.	M/s. Foxhill Cylinders Pvt. Ltd., B-45, Site-IV, UPSIDC Industrial Area, Sahibabad, Ghaziabad, Uttar Pradesh – 201 010.
4.	M/s. G.S. Pressure Vessels, Plot No. 1052, Purihasa, Sundernagar, Jamshedpur, District East Singhbhum, Jharkhand – 832 107.
5.	M/s. Galaxy Exports Pvt. Ltd., NH-33, Tata Chandil Road, Bhuiyadih, PO Chandil, District Seraikela Kharswan, Jharkhand – 832 401.
6.	M/s. K.N. Industries, Barathiabari, Janaram Chowka, Mangaldoi, Dist. Darrang – 784529 (ASSAM).
7.	M/s. Saboo Tor Pvt. Ltd., (Unit IV), Khasra No. 396/11, Village Rampur Jattan, Trilokpur Road, Kala-Amb, District Sirmaur (HP) – 173 030.
8.	M/s. Sarvamangal Petroleum Ltd., R-40, South Extension, Part-II, New Delhi – 110 049.
9.	M/s. Sri Jagdamba Cylinder Gases Pvt. Ltd., Room-A, 1 st Floor, 1C Jorabagan Street, M.D.Road, Kolkata – 700 006.



Sr. No.	Name and address of the Company
10.	M/s. SSV Cylinders Pvt. Ltd., 1246, IInd Floor, Sector-21D, Faridabad, Haryana – 121 012.
11.	M/s. Timblo Drydocks Pvt Ltd., Survey NO 28/1, Xelvona, Curchorem – 403706, Goa.
12.	M/s Smith Cylinders, 18, S.R. Complex, Opposite CCMB, Habsiuda Hyderabad - 500007
13.	M/s. Kairali Structural Fabrication Pvt.Ltd., 34/1864, Kalliyath Building, Mamangalam, Kochi - 682025
14.	M/s. Balaji Industries, 3/28/A, 'TIRUMALA', Khatriwad, Juna Than, Navsari - 396445.
15.	M/s. Zixin Cylinders Pvt Ltd, Plot NO 303, Sohan Constructions Guntupalli, Vijayawada – 521241
16.	M/s. Jaysar Springs (P) Ltd., 48/A-2, Sudhaakar Complex, Opposite MDV School Velur Raod, Tiruchengode – 637211 Namakkal District, Tamilnadu

LIST OF MANUFACTURERS OF LPG REGULATORS
(Approved during 01.04.2016 to 31.03.2017)

Sr. No.	Name and address of the Company
1.	M/s. KP Abrasives (P) Ltd., Street No.8, Saroorpur Indl. Area, Sohna Road, Faridabad – 121 005 (Haryana).
2.	M/s. Safe Gas Appliances, P.No.U-5/3, Udyogpuram, UPSIDC Industrial Area, Delhi Road, Partapur, Dist. Meerut – 250103 (UP).

**LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS**

(Approved during 01.04.2016 to 31.03.2017)

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

LIST OF MANUFACTURERS OF OTHER THAN LPG VALVE

(Approved during 01.04.2016 to 31.03.2017)

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

LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS

(Approved during 01.04.2016 to 31.03.2017)

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

LIST OF MANUFACTURERS OF OTHER THAN LPG VALVE

(Approved during 01.04.2016 to 31.03.2017)

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



LIST OF APPROVED PRESSURE VESSEL FABRICATOR
(Approved during 01.04.2016 to 31.03.2017)

Sr. No.	Name and address of the Company
1	M/s. EUREKA ENGINEERING WORKS, Shanpur Shibtala, Dasnagar, Howrah – 711 105
2	M/s. STEELCON TECHNOVISION PVT. LTD., (UNIT-II) 'T' Block Plot NO. 188-B-1, MIDC Bhosari, Pune – 411 026
3	M/s. TRANS ENGINEERS INDIA PVT. LTD., Gat NO. 1552A, 1326-A, Shelar Vasti, Dehu Alandi Road, Chikhali, Pune – 411 062
4	M/s. Yantrik Engineers, B4, Tata Press Emp. Co. Soc. Sector No. 15, Nerual, Navi Mumbai – 400706
5	M/s. LLOYDS STEELS INDUSTRIES, Trade World, C Wing, 16 th Floor, Kamala City, Senapati Bapat Marg, Lower Parel, Mumbai – 400 013
6	M/s. AMMUS ENGINEERS (P) LTD., Unit II, 10/65, Kirti Nagar Industrial Area, New Delhi – 110 015
7	M/s. CHANDERPUR INDUSTRIES PRIVATE LIMITED, Jorian, Yamunanagar – 135 001 HARYANA
8	M/s. Spray Engineering Devices Ltd., UNIT III, 395 to 399, Village Billanwali Lawana, Baddi – 173 205 Dist. Solan, HIMACHAL PRADESH
9	M/s. Fabtech Projects & Engineers Ltd., (UNIT-IV) J-504, MIDC Bhosari, Pune – 411026
10	M/s. Fabtech Projects & Engineers Ltd., (UNIT-III) J-504, MIDC Bhosari, Pune – 411026
11	M/s. Fabtech Projects & Engineers Ltd., (UNIT-II) J-504, MIDC Bhosari, Pune – 411026
12	M/s. Technel Engineers, Plot NO. 8, I Main Road, Nehru Nagar, Old Mahabalipuram Road, Kottivakkam, Chennai – 600 041
13	M/s. ARK Engineering 6/35, Bodupatti Main Road, Namakkal – 637 001 TAMILNADU.
14	M/s. KEN Tank & Vessels, Office NO. 404, Plot No. D7, Pearls Business Park, Netaji Subhash Place, Pitampura, Delhi – 110 034
15	M/s. KWALITY PRESSURE VESSEL PVT. LTD., Plot No. C-161/162, TTC Pawane Village, Navi Mumbai – 400 705
16	M/s. Gasdroid Engineering LLP, 303, Sharp bhawan, Azadpur Commercial complex, New Delhi – 110 009

**SME Licence Granted During 01.04.2016 to 31.03.2017**

Sr. No.	Name of Company	Licence No.
1	M/s. IDL Explosives Limited	E/HQ/CG/SM/26
2	M/s. IDEAL Industrial Explosives Ltd.	E/HQ/TG/SM/24
3	M/s. Sasan Power Limited	E/HQ/MP/SM/22
4	M/s. Zuari Cement Ltd.,	E/HQ/AP/SM/22
5	M/s. AKS Expo-Chem Pvt. Ltd.	E/HQ/JH/SM/20
6	M/s. IDL Explosives Limited	E/HQ/WB/SM/7
7	M/s. Sri Vishnu Explosives Pvt. Ltd.	E/HQ/TG/SM/23

ANNEXURE-XIII

TESTING OF PETROLEUM VESSELS IN 2016-2017

The Officers of the Organization issued **94** online gas free certificates during the year 01.04.2016 to 31.03.2017 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 2016-17, officers of the Organization attended law courts on **79** occasions for tendering expert technical evidence in cases of prosecution under various sections of the Explosives Act 1884 and the Explosives Substance Act 1908.

ANNEXURE-XIV

Approval for Flameproof Equipments granted in last five Financial Years

	2016-2017			2015-2016	2014-2015	2013-2014	2012-2013
	Through New Module	Through Old Module	Total	Total	Total	Total	Total
All Manufacturers	149	317	466	409	496	427	240
Indian Manufacturers	76	90	166	125	160	130	106
Foreign Manufacturers	73	227	300	284	336	297	134
Indian Percentage (%)			35.62	30.56	32.26	30.44	44.17
Foreign Percentage (%)			64.38	69.45	67.74	69.56	55.83



WORKING OF REFINERIES FOR THE PERIOD OF 01/04/2016 TO 31/03/2017

Sr. No.	Name of Refinery	Crude Oil Processed	Installed Capacity	LPG Produced	LPG Imported	LPG Marketed	No. of Accident	Export	
		MMT	MMT		MMT	MMT		Quantity (In MMT)	Value (In Crores)
1	IOCL Digboi	0.533446	0.65	0.014826	0	0.01476	0	0	0
2	IOCL Panipat	15.28237	15	0.767515	0	0.763741	0	0.109408	166.09
3	IOCL, Guwahati	0	1	0.039084	0	0.03922	0	0	0
4	IOCL, Barauni	6.526044	6	0.319373	0	0.31945	0	5.316808	17025.24
5	IOCL, Haldia	7.776413	7.5	0.245008	0	0.243785	0	415.6	0
6	IOCL, Vadodara	13.99435	13.7	0.48074	0	0.47834	1	0.409718	2315
7	IOCL, Mathura	9.229996	8	0.440073	0	0.441654	0	0	0
8	IOCL, Bongaigaon	2.441663	2.35	0.057573	0	0	0	0.002306	2.39
9	IOCL, Paradip Odisha	1.816682	1.5	0.086663	0	0.082376	2	0	0
10	HPCL, Mumbai	8.510318	7.5	0.438022	0	440575	1	0	0
11	HPCL, Visakh	92.19212	8.3	4.191919	0	41.89653	4	0.245945	559.85
12	BPCL, Mumbai	13.602	12	0.504938		0.50481	0	1177902	3022
13	Essar Oil Ltd.	2.094383	20.94383	1.006344	0	1.003738	0	0	0
14	BPCL, Kochi Refinery	11.78778	10.95	0.594153	0	0.594351	1	1205183	2996.72
15	CPC Limited, Cauvery Basin Refinery	0.530817	1	0.017497	0	0.017539	0	177462	490
16	CPCL, Manali	9.72532	10.5	0.28892	0	0.28805	9	849780	1780
17	Numaligarh Refinery Ltd., Assam	2.683127	3	0.054683	0	0.055454	0	5308	27.72
18	RIL, Jamnagar, SEZ Refinery Division	37.029	35.2	0.849	0	0.849	0	33.246	101351.739
19	RIL, DTA	32.513	33	0.252	0	0.252	1	8.314	23387.417
20	MRPL, Limited	15.53	15	803.348	0	809.96	1	3.45	0
21	Bharat Oman, Refinery Bina	0	6	0.207729	0	0.208992	0	0	0
22	HPCL Mittal Energy Ltd.	10.71331	9	0.843523	0	0.843217	0	0.231072	544.18
23	ONGC Limited, Tatipaka Refinery	0.082207	0.009285	0	0	0	0	18983.539	48.24
	Total	294.5943	228.1031	815.0476	0	441433.9	20	3434669.864	153716.586