



Petroleum and Explosives Safety Organisation

Annual Report [2012-13]

*O/o Chief Controller of Explosives,
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INTRODUCTION

The Petroleum and Explosives Safety Organisation (Formerly Department of Explosives) since its inception on 9/9/1898, has been serving the Nation as a nodal agency facilitating safety of hazardous substances namely explosives, compressed gases and petroleum. The Organisation has earned rare distinction as an institution of excellence in matters relating to safety in manufacture/refining, storage, transportation, handling etc 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, 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, as there was no other agency to impart such training in the country. 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 relating to Explosives, Petroleum, Compressed Gases, Pressure Vessels, Gas Cylinders, Pipelines, LNG, CNG, Auto LPG etc.

The Organisation, although small in size, compared to many other Government organizations with an existing strength of only 94 officers out of sanctioned strength of 137 officers, is the only Organisation of its kind directly overseeing the safety requirements for over 2.73 lakhs hazardous units and offering expert technical and safety guidance to numerous industries and user companies, including Ministries of Defence, Railways, Shipping, Surface Transport, Environment & Forests, Civil Aviation and establishments of Atomic Energy and Space Research.

Initially, the activities of the Organisation were confined to enforcement of Explosives Act (4 of 1884) involving inspection of few explosives storage magazines and investigation of accidents related to storage and transportation of explosives. Subsequently, enforcement of Petroleum Act (8 of 1899) & Petroleum Rules which came into force on 17.02.1899 and

Carbide of Calcium Rules framed under this Act notified on 11/08/1899, were also entrusted to this Organisation.

With a view to 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 18.03.1937. 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. Amendment was done on 02/02/2007 and 15/06/2011.

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.

Inflammable Substance Act, came into force from 1952. The Gas Cylinder Rules which were originally framed in the year 1940, were replaced by new comprehensive Gas Cylinder Rules, 1981. These Rules were again reviewed due to liberalized policy of Government of India and were replaced by new Gas Cylinder Rules, 2004 with effect from 21/08/2004.

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

Due to the complexity of functions and increased responsibility in implementing safety regulations over the entire length and breadth of the country, the Organisation has modernized its working procedures making use of latest tools of information technology. Consequently, all the offices of the Organisation have been networked through the central server installed at Nagpur, the data base of the Organisation has been digitized and access to the data has been made available to the public through the net. The members of the public can now have access to the status of their applications by visiting the Organisation's website. 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 to serve the cause of safety, the Organisation is now poised to scale new heights of excellence in the years to come.

T.R. THOMAS
Chief Controller of Explosives

ROLE AND FUNCTIONS OF THE ORGANIZATION

With an overall objective of ensuring 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 and the following rules framed under these Acts;

EXPLOSIVES ACT, 1884:

1. Explosives Rules, 2008
2. Ammonium Nitrate Rule, 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

The activities of the Organization involving administration of the Acts and Rules noted above are described below in brief: -

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 grant of approval and licences for manufacture of explosives, authorization of explosives, storage of explosives, import/export of explosives, transport of explosives by road and packaging for explosives etc. prescribing safe procedures and methods for manufacture of various types of explosives including the tools, equipments and machineries. The Organization carries out investigation of accidents involving explosives and also undertakes destruction of unserviceable/seized explosives in the interest of public safety and security.

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 of the licensed/approved premises.

2.1.2 : AMMONIUM NITRATE RULES, 2012:

The Central Government specified “Ammonium Nitrate or a combination” as a special category explosives substance under Explosives Substance Act 1908 on 10th December 2008 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 Acts 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.

The major work under Ammonium Nitrate Rules, 2012 relates to approval of construction plans, grant of licences for manufacture and possession for sale of Ammonium Nitrate or conversion of melt to solid and vice-versa, licence for Stevedoring, bagging and storage of Ammonium Nitrate, licence for Possession of Ammonium Nitrate for sale or use, licence for transport of Ammonium Nitrate, 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 public safety and security.

2.1.3 : GAS CYLINDER RULES, 2004:

The 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. Eighties & Nineties 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. necessitate another round of review and bringing out the new Gas Cylinders Rules, 2004.

The major activities covered under these Rules include grant of approval for cylinder manufacturing units, its valves & LPG regulators etc, as well as approval of designs of these equipments; licensing of gas cylinder filling plants, CNG fueling stations, cylinder storage premises and import of cylinders/valves; grant of permission for filling of cylinders; recognition of cylinder testing stations etc. This Organization also plays a crucial role in the formulation of standards for cylinders, valves, regulators, etc. The Organization regularly undertakes safety audits of gas cylinder; filling plants; CNG fueling stations, cylinder, valve and regulator manufacturing units, etc. approved/licensed premises under the aforesaid rules to ensure the compliance of the rules and also to inculcate safety awareness.

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

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

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

The functions of the Organization relating to administration of these rules covers grant of approval for fabrication shops of pressure vessels/safety fittings 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 inspection reports and performance of vessel fabricators and certifying agencies.

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

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 grants approval for various types of acetylene generators and acetylene plants. The facilities for manufacture of Acetylene the generator both at the manufacturer's place and its trial run at the factory where the generator is installed for evaluating its performance as well as determining efficiency of each generator is carried out by the officers jointly with BIS besides regular 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 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 by road, aircraft 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 licensing 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 licensing of storage premises is done by this Organization. The Nitrocellulose based films are replaced by safety films (Polyester Based) since times. These rules have therefore become redundant and recommended for its deletion.

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 in State level and District level Crisis Management Groups.

ACTIVITIES OF THE ORGANIZATION IN BRIEF

3.1: Scrutiny and appraisal of site, layout and construction plans for;

- Explosives manufacturing factories
- Explosives storage premises
- Ammonium nitrate premises
- Fireworks manufacturing factories
- Fireworks 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 lorries
- Petroleum cross-country pipelines.
- 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 for site manufacture of explosives, vehicles for transport of bulk compressed gases/cryogenic liquids in pressure vessels, Petroleum containers and Tank Lorries 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 factories and Acetylene Gas generating plants for grant of approval thereof.

3.5: Scrutiny and appraisal of proposals of design, construction, laying and operation of Pipeline 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 adequate 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', 'C' and 'D' officials**. Out of the above, **43** posts of Group 'A' and **45** Group 'B', 'C' & 'D' 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** headed by the Jt Chief Controller of Explosives located at **Mumbai, Chennai, Kolkata, Faridabad and Agra**. The Organization has **13 Sub-Circle Offices** headed by the Dy. Chief Controller of Explosives and **5 sub-circle offices** are headed by the Controller of Explosives. The Departmental Testing Station (DTS) situated at Gonkhairi , Nagpur is headed by Dy. Chief Controller of Explosives and Fireworks Reaserch And Development Centre (FRDC) situated at Sivakasi is headed by Controller of Explosives (Annexure-I)

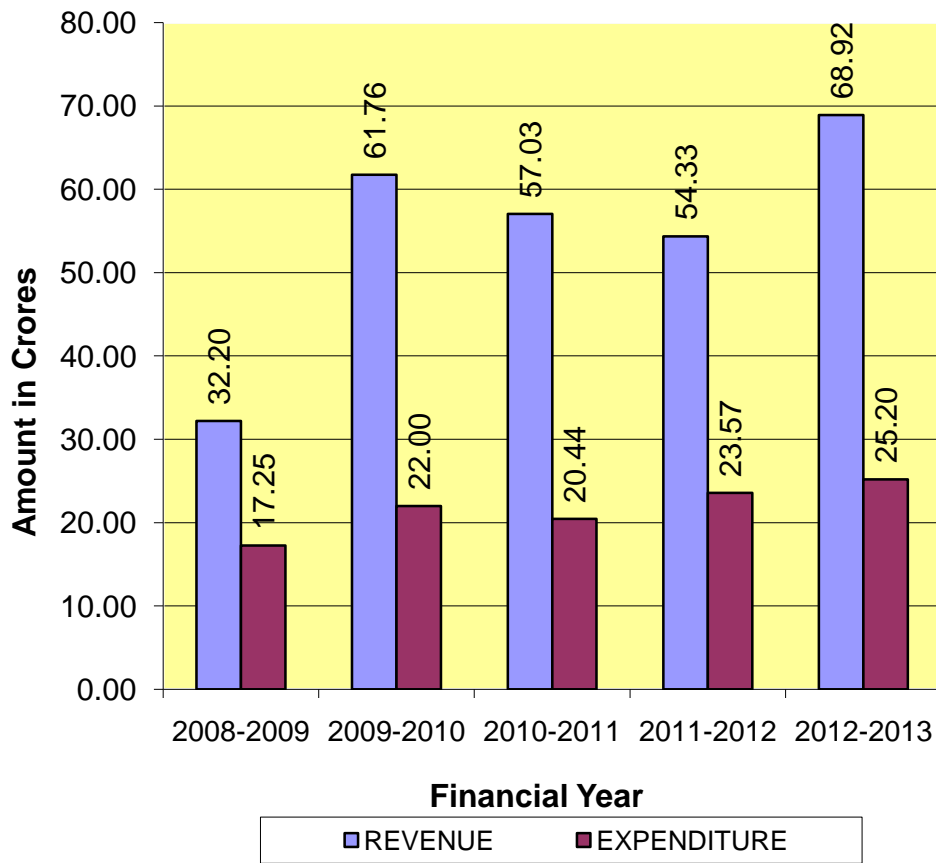
4.2: BUDGET & EXPENDITURE:

During the year, budget granted for Organization under non-plan was Rs. 25,42,00,000/- and under plan it was Rs.3,00,00,000/-. During the year, the expenditure under non-plan budget was Rs.25,20,29,000/- and under plan budget it was Rs.2,99,79,000/-

4.3 : REVENUE:

During the year, the Organization earned revenue of Rs.68,92,06,000/- on account of fees for the services rendered which includes Rs. 32,26,63,000/- under Explosives Act and Rs.36,65,43,000/- under Petroleum Act.

REVENUE & EXPENDITURE (Non-Plan)



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. No. 6, 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.

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 | a) Authorization of new compositions and specification of Explosives. b) Subsequent annual test for deciding about deletion or otherwise from list of authorized explosives. c) Approval of Packages of Explosives. |
| 2. | Petroleum Rules, 2002 | a) Approval of design of Safety Fittings of Tank Lorries. b) Subsequent test for deciding revalidation of manufacturing approval. c) Approval of Metal Container of petroleum. |
| 3. | SMPV (U) Rules, 1981 | Testing facilities under development. |

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 (Opens New Frontier for Export of Explosives):

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 2012-13, the following nos. of different samples were tested at Departmental Testing Station.

| S No. | DESCRIPTION | QUANTITY (Nos.) |
|-----------|--|-----------------|
| 1. | EXPLOSIVES | |
| | Slurry/Emulsion Class-2 | 220 |
| | Pentolite Booster Class-3 Div.2 | 25 |
| | Fireworks | 116 |
| | Safety Fuse | 10 |
| | Gun Powder | 5 |
| | Detonators | 332 |
| | Detonating Fuse | 48 |
| 2. | CFB Packages of Explosives | |
| | Samples for new approval propose | 55 |
| | Samples drawn by Circle/Sub- Circle officers | 122 |
| 3 | Petroleum Tank Lorry Safety Fittings | |
| | For new approval | 46 |
| | For revalidation | -- |

E. DESTRUCTION OF EXPLOSIVES: SAMPLE REMNANT DESTROYED.

| | |
|---------------|---------------------|
| Class-1 | 2.21 Kgs |
| Class-2 | 3150.313 Kgs |
| Class-3 Div.2 | 15.8 Kgs. |
| Class-6 Div.1 | 282 Mtr. |
| Class-6 Div.2 | 2793 Mtr. |
| Class-6 Div.3 | 250 Nos. |
| Class-7 Div.2 | ---- |

E. DESTRUCTION OF UNSERVICEABLE EXPLOSIVES:

| | |
|------------------------------------|---------------------|
| Class-1 | 50.34 Kgs |
| Class-2 | 17073.29 Kgs |
| Class-3 Div.2 | -- |
| Class-6 Div.1 | 732 Mtr. |
| Class-6 Div.1 (Percussion caps) | 19969 Nos. |
| Class-6 Div.2 | 887 Mtr. |
| Class-6 Div.2 (Delay Ignitor) | 64597 Nos. |
| Class-6 Div.2 (PC Dick) | 2900 Nos. |
| Class-6 Div.3 | 89151 Nos. |
| Class-7 Div.2 | ---- |

G. REVENUE :

During the year 2012-13, Departmental Testing Station has earned revenue of Rs. **87,85,595/-**

FIREWORKS RESEARCH & DEVELOPMENT CENTER (FRDC) AT SIVAKASI

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 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 had 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. This chemical formulae specify the proportion/composition as well as maximum permissible weight of every chemical used in the 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 four years:

| Sr.No. | Year | No. of Samples collected | Revenue Received |
|---------------|-------------|---------------------------------|-------------------------|
| 1 | 2009-2010 | 1203 | Rs.4,50,750/- |
| 2 | 2010-2011 | 3418 | Rs.80,1050/- |
| 3 | 2011-2012 | 674 | Rs.1,02,600/- |
| 4 | 2012-2013 | 831 | Rs.3,40,000/- |

e-GOVERNANCE

Subsequent to already accomplished activities given in ‘Accomplished-Activities’ Petroleum and Explosives Safety Organisation (PESO) has marched ahead in implementation of e-Governance with a greater resolve to provide better and uninterrupted e-services to its stakeholder falling within the ambit of various rules administered by PESO.

During the financial year 2012-2013, PESO has achieved number of milestones, some of them are as follows;

1. e-filing for external stakeholders under Petroleum Rules, 2002 has started. The facilities have been provided to licensees to register with PESO portal and maintain their License-Portfolio. This system also provides them a facility to send their application online to various offices of PESO across India. Further, the licensee can also monitor the status of his application through his portfolio in addition to email they receive on certain stages of processing of applications. A large no. of licensees already have started availing this facility and many more are registering every day. New value addition features like ‘Bulk-Renewal’ has been provided for the benefit of licensees from PSU Oil companies, to submit a single DD against number of licenses at the time of renewal.
2. The application module has also been completely revamped with additional features in order to manage and monitor pendency and accountability of each staff member.
3. Under Explosives Rules, the existing ERS (Explosives Returns System) has been enhanced to compulsorily generate RE-11 (indent) on the part of purchaser. This indent generation is happening within the framework of Explosives Rules and does not allow the purchaser to raise indent more than his license capacity. Similarly, other constraints incorporated in the system are helping both purchaser and supplier in the supply chain transactions.
4. Facility for the supplier to see all RE-11 (indents raised for his company/firm) and prepare RE-12 (based on the RE-11 which is received electronically by him). Preparation of RE-12 also goes through the checks and balances provided in the system to adhere to various rules framed in Explosives Rules, 2008.

5. On actual receipt of explosives, the consignee accepts the explosives online in the ERS. Thus features like knowing the real-time stock, have further enhanced the ERS (Explosives Returns Systems) and streamlined the transaction of explosives to a great extent.
6. Introduction of pass for use (RE-13) is another initiative launched for users of explosives in mines and other sites to streamline the usage and maintenance of records and thus preparation of RE-7 i.e. Explosives Return. This new initiative will greatly help to curb the misuse and mis-appropriation of explosives and will also bring accountability. Sites of use of explosives with names of blasters will also be captured in the database.
7. For Penal transactions under Explosives Rules i.e. Suspension & Cancellation, email facility has been integrated with the internal application. The system sends email to concerned DM and SP (if their email address is available in the system) in case the license is suspended or cancelled under their jurisdiction.
8. Under SMPV (U) and Petroleum Rules, an initiative for Competent Persons has also been launched. The existing competent persons are getting registered online and submit all the requisite documents. Their credentials are validated by the internal system and only after that they are able to generate the 'competent third party' certificates for licensed premises through this system.

This initiative has streamlined the generation of certificates by competent persons to a great extent. The generated certificates also gets linked to respective license file at the time of processing of applications. During processing, PESO officers can view certificates issued by the competent person online and can also verify his signature with the online record. This will totally eliminate scope of forgery in the certification process.

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 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 (possess to sale and use explosives) have registered for submission of RE-7 (return of explosives) online and submitting their quarterly explosives returns i.e. RE-7 using the PESO's online system.

Online issue of show cause notices to licensees who have not registered so far or even after registration, not submitting the RE-7 online is used by all internal users (PESO officers).

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 receive 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 existing software.

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

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

MEETINGS – SEMINARS – LECTURES - TRAINING PROGRAMMES ATTENDED BY CHIEF CONTROLLER OF EXPLOSIVES

Seminars:

1. Attended Workshop organized by All India Industrial Gas Manufacturers' Association (AIIGMA) at Ernakulam on 2nd June, 2012.
2. Attended Workshop on safety at Srinagar organized by All India Industrial Gases Manufacturers' Association as Chief Guest and delivered key-note on 31st August, 2012.
3. Attended 19th Annual India Oil Gas & Coal Review Summit and International Exhibition organized by IORS 2012 Advisory Council at Mumbai on 6th September, 2012.

Meetings:

1. Attended meeting in Ministry of Environment & Forest in connection with Hazardous waste Management (Handling & Transboundary Movement) Rules, 2008 on 27th April, 2012.
2. Attended meeting of Ministry of Home Affairs related to control of pilferage of explosives in various parts of the country on 8th May, 2012.
3. Attended Meeting of the Safety Awards Committee at OISD, Noida on 8th February, 2013.
4. Chaired the sessions of BIS Committee on Gas Cylinder ME-16 during 27th February to 1st March, 2013 at Hyderabad.

MEETINGS–LECTURES–SEMINARS–TRAINING PROGRAMMES OF THE OTHER OFFICERS OF THE ORGANIZATION

SOUTH CIRCLE:

1. On 20.4.2012 Shri S.Sargunaraman, Jt.CCE attended observance of Safety Week 2012 programme at the O/o Chief Airport Terminal Manager, Aviation Fuel Station, Meenambakkam Airport, Chennai.
2. On 20.4.2012 Shri N.T.Shahu, Dy.CCE, inaugurated LPG Bottling Plant of M/s South Indian Gas Agencies Pvt Ltd at Kundadam, Tirupur District.
3. On 24.4.2012 Shri K.Sundaresan, Controller of Explosives attended the Workshop on “Prevention and Control of Violations Relating to Arms and Explosives” at the O/o Addl.Director General of Police, (Training) Ashoknagar, Chennai.
4. On 2.6.2012 Shri S.Sargunaraman, Jt.CCE attended Seminar on Industrial Gas at Kochi Safety Meet organised by M/s Bharat Petroleum Corporation Ltd (LPG Region) Trichy.
5. On 11.07.2012 Shri N.T. Shahu, Dy.CCE attended the meeting of State Police Duty Meet at CBCID office, Chennai, Government of Tamil Nadu regarding anti sabotage check competition.
6. On 23.7.2012 and 28.7.2012 Shri N.T. Shahu, Dy.CCE, Dr.S.K.Dixit, CE and Dr.M.K.Samota DCE attended the State Police Duty Meet 2012 Anti Sabotage Check Competition at the O/o Addl.Director General of Police, Crime Branch CID, Chennai-32.
7. On 30.7.2012 Shri S.Sargunaraman, Jt.CCE attended Workshop on online submission of Quarterly Returns at the O/o Dy.Chief Controller of Explosives, Hyderabad.
8. On 03/08/2012 Shri N.T. Shahu, DyCCE delivered a lecture on provision of Explosives Act, 1884 and Explosives Rules, 2008 and the licensing procedure under Explosives Rules, 2008 at Tamil Nadu Police Academy, Vandalur, Chennai in which senior officers from all over the state of Tamil Nadu participated.
9. On 16/08/2012 Shri N.T. Shahu, DyCCE delivered a lecture on LPG storage, distribution, transportation under the provisions of GCR, 2004 at Trichy organized by All India LPG Distributors Federation, Tamil Nadu and Pondicherry in which around 75 LPG dealers and representatives of M/s. IOCL, HPCL & BPCL participated.
10. From 22.10.2012 to 26.10.2013, Shri S.Sargunaraman, Jt.CCE attended the inquiry under Section 9A of Explosives Act 1882 at the O/o Dy.Chief Controller of Explosives, Sivakasi.
11. On 11.12.2012 and 12.12.2012 Shri S.Sargunaraman, Jt.CCE attended the quarterly meeting at the O/o Chief Controller of Explosives, Nagpur and attended the meeting of the Committees of Gas Cylinders Rules, 2004 and SMPV (U) Rules, 1981.
12. On 11.1.2013 Shri S.Sargunaraman, Jt.Chief Controller of Explosives, and Shri N.T.Shahu, Dy.Chief Controller of Explosives attended the “Explosafe 2013” National Seminar at the O/o Chief Controller of Explosives, Nagpur.
13. CCE & Jt.CCE visited Chennai Port Trust in connection with facilities for Export of Explosives required by TEL, Vellore.

14. On 22.2.2013, Shri S.Sargunaraman, Jt.Chief Controller of Explosives chaired the Quarterly Meeting held at the O/o Chief Controller of Explosives, Nagpur. He also chaired the meeting on Ammonium Nitrate and accident enquiry committee recommendations.
15. On 7.3.2013 Shri S.Sargunaraman, Joint Chief Controller of Explosives inaugurated the Awareness Programme on explosives returns at Kochi and addressed to licensees under Explosives Rules, 2008.
16. On 8.3.2013 Shri S.Sargunaraman, Joint Chief Controller of Explosives addressed LPG distributors of Kerala on safety and compliance to Gas Cylinder Rules, 2004.
17. On 28.05.2012, Dr. R.K.S. Chauhan, Dy.CE attended Meeting of the Town Official Language Implementation Committee at the Corporation Bank headquarters, Mangalore.
18. Dr. A.P. Singh, Dy.CCE conducted a Meeting on 30.05.2012 to review the progress of underground blasting works being conducted at ISPRIL sites at Mangalore and Padur. Sr. Officers of ISPRIL, SKE-JCT (JV), and their Contractors attended the Meeting. Security measures adopted to prevent pilferage of explosives were discussed in the Meeting.
19. On 17/11/2012, Sri B. Rengasamy, Dy.CCE attended Coastal Security Meeting held at MRPL Mangalore. DG & IGP, Govt. of Karnataka Chaired the Meeting. Officers of Coast Guard, District Police, MRPL, New Mangalore Port and its user industries, Oil companies etc. attended the Meeting.
20. On 29.11.2012, Dr. D.L. Kamble, Dy.CE & Sri S. Satyanarayana, Steno Gr.III attended Half Yearly Meeting of Town Official Language Implementation Committee at Corporation Bank headquarters, Mangalore.
21. On 29.12.2012, Sri B. Rengasamy, Dy.CCE Mangalore visited MRPL and had a Meeting with GGM (T/S), MRPL regarding the safety of licensed petroleum and bulk LPG storage facility. Sri Vinaykumar, GGM and his team delivered a brief presentation about the MRPL's existing facilities and proposed plan for future expansion in the III rd Phase. Dr. R.K.S. Chauhan, Dy.CE & Dr. D.L. Kamble, Dy.CE were also present during the visit.
22. On 11.01.2013 & 12.01.2013, Sri B. Rengasamy, Dy.CCE attended Seminar on 'Explosafe, 2013' at Nagpur
23. On 15.03.2013, Sri B. Rengasamy, Dy.CCE delivered a talk on Importance of Safety and Training of Personnel" conducted by M/s. HPCL at their LPG Bottling Plant & LPG Import Facility.
24. Dr. R.K.S. Chauhan, Dy.CE attended the Meeting with the GM Syndicate Bank and members of other participating organisations in connection with the visit of Parliamentary Standing Committee to Bangalore on 24.01.2013 & 29.01.2013. Dr. A.P. Dy.CCE & Dr. D.K. Gupta, Dy.CCE conducted the Meeting on 24.01.2103 & Sri T.R. Thomas, CCE chaired the Meeting on 29.01.2013.
25. Dr. R.K.S. Chauhan, Dy.CE attended the Meeting convened by Dr. A.P. Singh, Dy.CCE & Nodal officer on 31.01.2013 with the AGM, Canara Bank regarding the visit of Parliamentary Standing Committee to Bangalore. Sri D.K. Gupta, Dy.CCE was present in the Meeting.

26. On 01.02.2013 & 02.02.2013, Dr. R.K.S. Chauhan, Dy.CE co-coordinated with Dr. A.P. Singh, Dy.CCE Sivakasi & Dr. D.K. Gupta, Dy.CCE HQ and other Banking and State Govt. agencies for successful completion of the deliberations and discussions that the Joint Parliamentary Standing Committee had with various stake holders in Bangalore.
27. Dr. R.K.S. Chauhan, Dy.CE attended the Meeting convened by Dr. A.P. Singh, Dy.CCE & Nodal officer on 30.01.2013 with the Additonal Labour Commissioner and members of Trade Union regarding the visit of Parliamentary Standing Committee to Bangalore. Sri D.K. Gupta, Dy.CCE was present in the Meeting.
28. Dr. R.K.S. Chauhan, Dy.CE attended the Meeting convened by Dr. A.P. Singh, Dy.CCE & Nodal officer on 31.01.2013 with the AGM, Canara Bank regarding the visit of Parliamentary Standing Committee to Bangalore. Sri D.K. Gupta, Dy.CCE was present in the Meeting.
29. On 01.02.2013 & 02.02.2013, Dr. R.K.S. Chauhan, Dy.CE co-coordinated with Dr. A.P. Singh, Dy.CCE Sivakasi & Dr. D.K. Gupta, Dy.CCE HQ and other Banking and State Govt. agencies for successful completion of the deliberations and discussions that the Joint Parliamentary Standing Committee had with various stake holders in Bangalore.
30. On 08.08.2012, Jt.CCE., Chennai convened a meeting with the detonators' manufacturers of Andhra Pradesh
31. On 07.11.2012, Shri V.K. Mishra, Dy.CCE Hyderabad attended a meeting with all the fireworks dealers of West Zone along with DCP, West Zone to create awareness about the safety in handling fireworks during festive seasons.
32. On 09.11.2012, Shri K.S. Rao, Dy.CE Hyderabad attended meeting conducted by Dy. Commissioner of Police, East Zone to create awareness about the safety in handling fireworks during festive seasons.
33. On 20.11.2012, Shri V.K. Mishra, Dy.CCE, attended a meeting with District Collector, Chittoor regarding use of Explosives in District of Chittoor and implementation of Ammonium Nitrate Rules, 2012.
34. On 27.11.2012, Shri V.K. Mishra Dy.CCE and Basudev Basak, Dy.CE attended a meeting called by Collector, Rangareddy District for offsite emergency drill proposed by Central Crisis Group and CDMA.
35. On 11.02.2013, Shri V.K. Mishra, Dy.CCE, attended seminar on 'Explo safe 2013' conducted by CCOE at Nagpur.
36. On 13.01.2013, Shri V.K. Mishra, Dy.CCE, attended a meeting with Superintendent Of Police, Adilabad regarding the implementation of Ammonium Nitrate Rules, 2012.
37. On 30.01.2013, Shri G. Kumara Swamy, CE attended a meeting with Dy. Conservator of Port, Visakhapatnam in connection with modus operandi of Ammonium Nitrate imports at Vizag Port.
38. On 31.01.2013, Shri G. Kumara Swamy, CE attended a meeting with Commissioner of Police, Visakhapatnam in connection with implementation of Ammonium Nitrate Rules, 2012 and its vide publicity.
39. On 01.02.2013, Shri G. Kumara Swamy, CE attended a meeting with CISF Commandant, Traffic Controller, Vizag Port, Vishakapatnam in connection with modus operandi of Ammonium Nitrate imports at Vizag Port.

Workshops/seminars

1. On 20.4.2012, Basudev Basak, Dy.CE, attended a workshop organized by NOC & MOEF, Govt. of India on 'Web GIS based Emergency Planning'.
2. On 30.07.012, A work shop was organized by PESO in collaboration with explosives dealers in connection with generation of RE-11 & RE-12
3. On 03.09.2012, V.K.Mishra and Shri G.Kumaraswamy attended a workshop organized by Supdt. Of Police, Eluru, West Godavari in connection with Security and Safety Aspects of pipe lines and high explosives transportation. Shri V.K.Mishra presented a power point presentation in the workshop.
4. On 28.11.2012, V.K.Mishra attended and witnessed off site drill and emergency preparedness at BPCL LPG bottling Plant,Charlapally, RR District. Member CDMA and Principal Secretary, Dept.of Industries, A.P. witnessed the programme
5. On 10.01.2013, V.K.Mishra, Dy.CCE attended a seminar organized by EMWA in association with PESO
6. On 09.02.2013, G.Kumaraswamy, CE attended and a delivered a talk on S''afety Precautions in Manufacturing of Explosives'' in the work shop organized by Premier Explosives Pvt. Ltd.,

Training Programme

- 1) A Refresher Training Programme organized by CCOE at Head Quarters, Nagpur from April, to 21st April, 2012 was attended by V.K.Mishra,Dy.CCE. and a power p presentation submitted on Styphnic Acid manufacturing, LA, LS and ASA manufacturing drying.
- 2) Officers attended one day programme of destruction of explosives on 6th August, 2012 destruction of class-2, class-6 divn.1, divn. 2, and divn. 3. Shri V.K.Mishra G.Kumaraswamy demonstrated destruction of explosives. The programme was assistec local police and officials of M/s Gulf Oil Corpn.Ltd.,
- 3) Sri A.P.Singh, Dy.CCE attended Seminar on 'Explosafe, 2013' at Nagpur on 11th and Jan.2013.

VELLORE

1. Shri.J.Sarkar,CE attended "Explosafe 2013" - National Seminar on "Safety, Security and Recent Trends in Explosives" organized by Explosives Manufacturers Welfare Association (EMWA) in technical collaboration with PESO on 11th & 12th January, 2013.
2. Dr.Mahesh Kumar Samota, Dy.CE attended training course on Record Management for "Right to Information" at ISTM,New Delhi from 11.02.2013 to 14.02.2013.

3. Sri.J.Sarkar, CE, Vellore attended quarterly meeting conducted by the Jt.Chief Controller of Explosives, Chennai in the O/o. Jt.Chief Controller of Explosives,Chennai from 22.03.2013 to 23.03.2013.
4. Dr.Mahesh Kumar Samota, Dy.CE attended training on bulk renewal of licences under the new petroleum on line module.

LECTURE DELIVERED:-

- 1) Shri.J.Sarkar, CE along with Shri.S.Shanmugam,CE,Chennai delivered lecture on 03.11.2012 in the seminar conducted by the Mining Engineers Association at Salem.

WEST CIRCLE, MUMBAI

Lectures/Meetings, Seminars,Workshop ,organized/attended

- 1) Shri G.M. Reddy, Jt.CCE delivered a presentation to all officers on “ Oxygen Balance Calculations and Efficiency of Explosives” in the office of Jt. Chief Controller of Explosives, Mumbai on 10.04.2012.
- 2) Dr. (Mrs.) Sanjna Sharma, Dy.CCE, Baroda attended Refresher Programme for Dy. Chief Controller of Explosives from 16/04/2012 to 20/04/2012 conducted by Chief Controller of Explosives, Nagpur.
- 3) Shri R.K. Maindola, Dy.CCE delivered a presentation to the officers and staff on Conduct Rules in the office of Jt. Chief Controller of Explosives, Mumbai on 17.04.2012.
- 4) Shri Bibhas Chandra Sadhukhan, Dy.CE, Baroda attended training programme of newly recruited Dy. Controller of Explosives from 19/04/2012 to 27/04/2012 at Nagpur conducted by Chief Controller of Explosives, Nagpur.
- 5) Dr. (Mrs.) Sanjna Sharma, Dy.CCE, Baroda attended State Level Meeting convened under the Chairmanship of Shri R. Banerji, IAS, Chief Executive Officer, Gujarat State Disaster Management Authority at Gandhinagar on 27/04/2012 regarding draft interim report on “Capability Research and Gap Analysis” in connection to “Chemical and Industrial Disaster Management Plan” for the State.
- 6) The JT.C.C.E., Mumbai conducted a meeting with Gujarat Explosives Dealers Association (GEDA) on 05/05/2012 at Rajkot. Dr. Sanjna Sharma, DYCCCE, Dr. D.C. Pandey, CE, Shri S.D. Mishra, DCE and Shri Bibhas Chandra Sadhukhan, DCE also attended the meeting.
- 7) Dr. D.C. Pandey, CE delivered lecture on Shot Firers organized by ONGC at Mehsana “Safe Handling of Explosives at Blasting Site” on 09/05/2012.
- 8) Dr. Sanjna Sharma, DyCCE delivered a lecture on “Safe Handling of Explosives at Blasting Site” on 18/05/2012 organized by ONGC at Amod, Distt.Bharuch.

- 9) A workshop was conducted on "Safety Aspects of Refining Petroleum" at Acresclub, Chembur on 26/05/2012. The workshop was jointly conducted by the office of Jt. Chief Controller of Explosives, Mumbai and the officers of HPCL Refinery, Chembur, Mahul, Mumbai. The workshop was attended by Executive Director, General Managers, Dy. General Managers and Chief Managers of the Refinery. Papers were presented in the workshop, Shri R.K. Maindola, Dy.CCE, Shri A.K. Yadav, C.E.. Papers were also presented by the officials of the Refinery regarding the Safety Aspects in Refining Process.
- 10) On 07/06/2012 Shri A. Sheik Hussain, Dy. Controller of Explosives in the office of Jt.CCE gave a presentation on "Safety Management Plan" for Explosives factories.
- 11) Hindi workshop was conducted in the office by Shri A.K. Yadav, C.E. in the office on 12/06/2012. The workshop was attended by all the officers and staff and review was made regarding the progress of Hindi implementation in the office.
- 12) On 19/06/2012 Shri H.P. Sangole, Dy. C.E. delivered a presentation on " Hotspots, Adiabatic Compression, Critical Energy Fluence in Explosives".
- 13) On 06/07/2012 Shri G.M. Reddy, Jt.CCE conducted a meeting with the officials of Public Sector Oil Companies regarding number of accidents which are taking place in retail outlets during the process of decantation of petroleum products from tankers.
- 14) Presentation on "Manufacturing Unit of Essar Heavy Engineering Services for Pressure Vessels" given by Shri Bharat Tilva in the office of Dy. Chief Controller of Explosives, Vadodara.
- 15) Presentation on "Petroleum Installations" by Shri S.D. Mishra, DY.C.E., Baroda was given in the office of Dy. Chief Controller of Explosives, Vadodara on 24/08/2012.
- 16) Sh. H.P Sangole, Dy.CE delivered a lecture on "Cathodic Protection Systems" in the Conference Hall in the office of Jt. Chief Controller of Explosives, Mumbai on 29/08/2012.
- 17) On 31/08/2012 Shri A.K. Yadav, Controller of Explosives (Alternate Member) attended the 9th meeting of chemical hazards Sub-Committee CHD 8 :2.
- 18) On 12/09/2012 Shri R.K. Maindola, Dy.CCE attended a meeting regarding modalities for expediting disposal of hazardous cargo / waste lying in Mumbai Port Trust.
- 19) On 04/09/2012 M/s BPCL officials delivered a lecture on Cryogenic LPG systems at their Uran Bottling Plant in Mumbai to the officers of West Circle, Mumbai.
- 20) On 14/09/2012 Shri A. Sheik Hussain, Dy.CE in this office delivered a lecture on manufacture of fireworks to other officers of the West Circle, Mumbai.

- 21) In-house capacity building programme was organized in the conference hall of the O/o. Jt.Chief Controller of Explosives, West Circle, Mumbai on 01.10.12 and Sh. G.M. Reddy, Jt.CCE delivered a lecture on “Single Base Propellant.”
- 22) Shri G.M. Reddy, Jt.CCE conducted a seminar on 06/10/2012 on “Safety aspects in the storage & transportation of LPG” for the distribution and officers of HPCL in the Western Region at Pune.
- 23) Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Baroda attended Gujarat State Disaster Management Authority meeting at Ahmedabad on 08/10/2012.
- 24) On 09/10/2012, In-house seminar on “Safety and use of LNG” was organized in the office of Jt. Chief Controller of Explosives, Mumbai.
- 25) On 18/10/2012 Dr. D.C. Pandey, CE, Baroda attended Inter-Ministerial meeting for Gujarat Maritime Board at Gandhinagar.
- 26) Quarterly Meeting of Sub-Circle Heads was organized in the O/o. Jt.Chief Controller of Explosives, West Circle, Mumbai on 23.10.12 and Sh. G.M. Reddy, Jt.CCE delivered a lecture on “Cathodic Protection and NC Single Base Propellant.”
- 27) Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Baroda attended quarterly meeting at the O/o. The Joint Chief Controller of Explosives, West Circle, Navi Mumbai on 29/10/2012.
- 28) Vigilance awareness week was observed in the office of Dy. Chief Controller of Explosives, Baroda from 29/10/2012 to 03/11/2012. Workshop on “TRANSPERENCY IN PUBLIC PROCUREMENT” was also conducted on 02/11/2012 by inviting guest faculty from M/s.Gujarat State Fertilizers & Chemicals Limited, Vadodara.
- 29) Vigilance Awareness Week celebrated from 29.10.12 to 03.11.12. Various Competitions / Programmes were organized related to vigilance awareness. Sh. D.P. Singh, Colonel (Retired), President of Local NGO was the Chief Guest.
- 30) A Seminar was organized jointly by PESO & M/s. HPCL at Pune on 15.12.12. Sh G.M. Reddy, Jt.CCE delivered a lecture on “Static Electricity Hazards in Retail Outlets” and Sh. R.K. Maindola, Dy.CCE delivered lecture on “Safety in Petroleum Service Station.”
- 31) Sh. R.K. Maindola, Dy.CCE delivered a lecture on 20.12.12 on “Petroleum Rules, 2002 & Explosives Rules, 2008: organized by Safety Council, Mumbai.
- 32) Sh. R.K. Maindola, Dy.CCE delivered a lecture on MSIHC Rules in the in-house programme organized in the conference hall of the O/o. Jt.Chief Controller of Explosives, West Circle, Mumbai on 27.12.12.
- 33) Shri G.M. Reddy, Joint Chief Controller of Explosives, West Circle, Navi Mumbai visited Petroleum Installation of M/s.Indian Oil Corporation Ltd. at Hazira, Distt. Surat on 08/01/2013 accompanied by Dr. Sanjna Sharma, Dy. Chief Controller of Explosives,

- Baroda, Dr. D.C. Pandey, C.E., Baroda and Shri A.K. Yadav, C.E., Mumbai in the wake of major tank fire accident in the premises.
- 34) Attended a meeting conducted by the Chief Controller of Explosives, Nagpur with the all officers who attended seminar on EXPLOSAFE on dated 11/01/2013 in connection with the procedures fro destruction of various types of explosives etc.
 - 35) Sh. G.M. Reddy, Jt.CCE delivered a lecture on 12/01/2013 on “Safety Aspects in the Manufacture of Bulk Emulsions Explosives” at National Seminar on Safety in the manufacture , transport, storage etc. of explosives at Nagpur.
 - 36) On 16/01/2013 Dr. D.C. Pandey, Controller of Explosives, Baroda attended meeting conducted by Gujarat State Disaster Management Authority at Ahmedabad.
 - 37) Dr. D.C. Pandey, Controller of Explosives, Baroda attended meeting conducted by the Chief Controller of Explosives, Nagpur on 22/02/2013 & 23/02/2013 regarding implementation of Ammonium Nitrate Rules 2012, General Administrative issues, CNG filling station and accident in Om Shanti Fireworks, Sivakashi.
 - 38) On 23/02/2013 Shri S.M.Kulkarni, Controller of Explosives delivered lecture on transportation of Explosives at Ordinance factory , Bhandara.
 - 39) Awareness programme on “Ammonium Nitrate Rules 2012” was organized on 09/03/2013 at Vadodara. Sixty-Six (66) participants mainly from District Authorities including Police Officials, GNFC officials, applicants of various licence under Ammonium Nitrate Rules 2012 and ANFO manufacturers under the jurisdiction of the office of Dy. Chief Controller of Explosives, Vadodara attended the programme.
 - 40) Controller of Explosives, Wardha conducted a meeting with the representatives of District Magistrates and Superintendents of Police of the Districts coming under the jurisdiction of this office regarding the implementation of Ammonium Nitrates Rules 2012 on dated 25/03/2013.
 - 41) Shri S.M.Kulkarni , Controller of Explosives delivered lecture on Ammonium Nitrate on 25/03/2013 in DTS to the representatives of District authorities of Nagpur and Amravati on implementation of Ammonium Nitrate Rules, 2012.
 - 42) Explosives manufacturing units of M/s C.Det Explosives, Talegaon(SP), M/s Arravali Explosives & Chemicals Ltd., Talegaon(R). M/s Sua Explosives & Accessories Pvt. Ltd., , Kelzar & M/s Noble Explochem , Hingni were visited as a member of safety & security audit team to conduct safety and security audit of these factories and attached magazines thereof.
 - 43) Shri V.B. Borgaonkar, Controller of Explosives delivered lecture on Explosives Act, 1884 and Explosives Rules, 2008 to the trainees of National Civil Defence College, Nagpur.

NORTH CIRCLE:

a. Visits

1. Shri. Hari Shanker Sharma, Lecturer, Central School No. 4 ,Jaipur visited office Dy.CCE, Jaipur on 14.09.2012 to conduct a Hindi workshop .
2. Sh. Chiranji Lal Khatik, Branch Manager, Central Bank of India, TPS Branch, Vaishali Nagar, Jaipur visited office of Dy.CCE, Jaipur on 17.09.2012 to conduct a Hindi Workshop.
3. Dr. S. Kamal, Jt.CCE, Nagpur visited the O/O Dy.CCE, Jaipur on 18.09.2012 to conduct a workshop for online generation of RE11 and RE12 form of Explosives Rules 2008 .
4. Dr.S.Kamal, Jt.CCE,Nagpur visited this office on 10.11.2012 to 12.11.2012 for trial run to launch New Petroleum online moudule of PESO.
5. Shri. Jagdish Prasad, Inspector,C.B.I., Jaipur and Sh. J.S. Yadav, Inspector, C.B.I., Jaipur visited office of Dy.CCE, Jaipur on 02-11-2012 from C.B.I. Jaipur branch, Jaipur as a Guest speakers in a workshop during vigilance awareness week 2012.
6. Shri R.C. Kaul, Jt.CCE,N.C. Fridabad visited Chandigarh office for inspection on 8th & 9th May, 2012.
7. The Jt. Director, Rajbhasha, New Delhi visited office of Jt.CCE, Faridabad for implementation of Hindi in Govt. Offices on 09.04.2012 and Conducted a workshop on 09.04.2012.

b. MEETINGS

1. Shri P. Kumar, Dy. CCE, Chandigarh attended a meeting in the office of Jt.CCE, North Circle, Faridabad on **13.04.2012** and discussed official matters with the Jt.CCE, Faridabad.
2. Shri P. Kumar, Dy. Chief Controller of Explosives, Chandigarh attended Parliamentary Committee Meeting at Srinagar with Shri T.R. Thomas, CCE, Nagpur from **29.06.2012 to 01.07.2012**.
3. Shri P. Kumar, Dy. Chief Controller of Explosives, Chandigarh attended a meeting in the office of Jt. Chief Controller of Explosives, North Circle, Faridabad on **17.07.2012**.
4. Dr. A.Kumar, Dy.C.C.E.,Jaipur alongwith Sh. Umesh Prashad ,L.D.C. on 31/08/2012 attended the 63 half yearly meeting of Nagar Rajbhasha Karyanvan Samiti (Central Govt. Offices) at Jaipur in the O/O the Principal Accountant General (Lekha and Hak) Rajasthan,Jaipur.
5. Dr. A. Kumar, DCCE,Jaipur attended meeting on **17.09.2012 and 18.09.2012** in Ministry of Commerce and Industry New Delhi in the office of Secretary and Joint Secretary with CCE , Jt.CCE ,SC, Chennai and Sh. Vinod Kumar , DCCE,Faridabad in connection with fireworks factory accident at Sivakasi .

6. Dr. Y. Khare, C.E.,Jaipur attended meeting on **21.09.2012** with D.M. Ajmer alongwith other district administration officials regarding inspection of Fireworks premises
7. Shri Ajai Singh, Controller of Explosives, Chandigarh attended a meeting in the office of Jt. Chief Controller of Explosives, North Circle, Faridabad on **23.10.2012**.
8. Dr. A. Kumar, D.CCE,Jaipur attended meeting on **23.10.2012** in the office of Jt.CCE, North Circle, Faridabad on administrative matters.
9. Dr. A. Kumar, D.CCE, Jaipur attended District Crisis Group meeting on **08.11.2012** in the office of District Magistrate, Jaipur.
10. Dr. A. Kumar,DCCE,Jaipur attended meeting on L.P.G. supply ,Petrol Pumps safety and Kerosene supply in Jaipur District on **10.11.2012** in the O/O D.M. , Jaipur.
11. Dr. A. Kumar, DCCE, Jaipur attended meeting on **23.11.2012** in the O/O D.M.,Jaipur regarding safety of 23 petrol pumps located in congested locality in Jaipur city.
12. Dr. A.Kumar, DCCE, Jaipur and Sh. Umesh Prashad, L.D.C. attended the 64 half yearly meeting of Nagar Rajbhasha Karyanvan Samiti (Central Govt. Offices) at Jaipur on 13/02/2013 in the O/O the Principal Accountant General (Lekha and Hak) Rajasthan, Jaipur .
13. Sh. R. Rawat, CE,Jaipur attended District Crisis Group meeting on **15.02.2013** in the O/O D.M.,Jhunjhunu . In this meeting he also explained about the online generation of RE-7, R.E- 11 and RE- 12 forms of Explosives Rules 2008 to District administration officials.
14. Sh. R. C. Kaul, Jt. CCE, Faridabad accompanied CCE to DIPP, New Delhi on 11/04/2012 in connection with Parliamentary Committee Meeting for budgetary of Grants for DIPP.
15. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting at **NDMA with** regard to procedures for mitigation of Chemicals disasters and revamping of “Inspectorate of Factories”.on **17/4/2012**.
16. Sh. R. C. Kaul, Jt. CCE, Faridabad attended “Consultancy Review Committee” meeting for Effective Tracking of Explosives, organized in DIPP, New Delhi on **18/5/2012**.
17. Sh. R. C. Kaul, Jt. CCE, Faridabad attended Sub Committee meeting on RFID tags for CNG cylinders at PNGRB, New Delhi on **23/5/2012**.
18. Sh. R. C. Kaul, Jt. CCE, Faridabad attended proceedings of Appeal before JS on Savitri Fireworks licence cancellation matter & attended meeting called by JS DIPP on “Tracing and Tracking of Explosives” project attended by NISG and MHA representatives along with Dr. S.Kamal, Jt. CCE, HQ on **25/5/2012**.
19. Sh. R. C. Kaul, Jt. CCE, Faridabad attended HINDI MEETING at NHPC, NARAKAS, Sec. 33, Fbd on **8/6/2012**.

20. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting of Hindi Salahakar Samiti at DIPP, New Delhi & attended meeting of Tracing and Tracking of Explosives at DIPP on **3/8/2012**.
21. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting with Special Secretary (MHA) on Ecobreak Technology safety cartridges on **28/8/2012**.
22. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP alongwith CCE & attended CCE's presentation before JS (Exp), DIPP on **17/10/2012**.
23. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting of JS with NISG on Tracing & Tracking of Explosives alongwith Dr. S. Kamal, Jt. CCE, HQ, Nagpur & attended a meeting with JS on LNG in the company of Dr. S. Kamal, Jt. CCE HQ, Nagpur on **9/11/2012**.
24. Sh. R. C. Kaul, Jt. CCE, Faridabad attended Sub Committees meeting for revision of Gas Cylinders Rules, 2004 and Static & Mobile Pressure Vessels (Unfired) Rules, 1981 at Hqtrs on **12/12/2012**.
25. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting of MHA on Sop's for IED's /Landmines at BP, R&D at New Delhi in the F/N. Accompanied CCE in his meeting with JS at DIPP in the A/N on **19/12/2012**.
26. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting at Hotel Centaur, New Delhi in connection with arrangements for Enquiry committee meeting for Fireworks accident at Sivakashi on **14/1/2013**.
27. Sh. R. C. Kaul, Jt. CCE, Faridabad attended Oversight arrangements for enquiry committee meeting at Centaur Hotel, New Delhi on **16/1/2013**.
28. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP and met JS in connection with Ammonium Nitrate Rules on **28/1/2013**.
29. Sh. R. C. Kaul, Jt. CCE, Faridabad attended meeting of MHA on SOP's for IED's /Landmines at BP R&D at New Delhi on **20/2/2013**.
30. Sh. R. C. Kaul, Jt. CCE, Faridabad attended Circle Heads meeting and meeting on CNG dispensing with CGD's on **22/2/2013**.
31. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP. Met JS (Exp.) & Director (Exp) in connection with issues relating to AN, Green Break Technology & Tagg ands on **25/2/2013**.
32. Sh. R. C. Kaul, Jt. CCE, Faridabad attended CMC meeting relating to Tracking & Tracing of Explosives project at DIPP on **6/3/2013**.
33. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP & held meeting with Director, DIPP regarding amendment of Ammonium Nitrate Rules, 2012 on **20/3/2013**.

34. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP in connection with amendment of Ammonium Nitrate Rules, 2012 and other related matters and attended meeting with Secretary, DIPP on **21/3/2013**.

35. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP and accompanied CCE in discussions on implementation of Ammonium Nitrate Rules, 2012 & recommendations of enquiry committee on Fireworks accident **22/3/2013**.

36. Sh. R. C. Kaul, Jt. CCE, Faridabad visited DIPP and accompanied CCE in discussions on implementation of Ammonium Nitrate Rules, 2012 & recommendations of enquiry committee on Fireworks accident on **23/3/2013**.

c- SEMINAR:

1. Sh. R.C. Kaul, Jt. CCE, and Sh. Vinod Kumar, Dy.CCE, NC, Faridabad attended “**Explo Safe 2013**” seminar at Nagpur.
2. Dr G.K Pandey delivered a power point presentation on the topic ALDS-Introduction & Safety Issues at office of Joint Chief Controller of Explosives, North Circle, Faridabad on **17/04/2012**.

d. LECTURES:

1. Shri P. Kumar, Dy. Chief Controller of Explosives, Chandigarh delivered lectures/presentations to the officials of M/s Hindustan Petroleum Corporation Limited, Bari Brahmana, Jammu & Kashmir on 20-21 April’2012 on “Statutory Provisions for Fire, Explosion and Safety, Gas Cylinders Rules, 2004, SMPV(U) Rules, 1981, M.B. Lal Committee Recommendations, Various OISD Standards and Various ASME, IS Codes”.
2. Shri P. Kumar, Dy. Chief Controller of Explosives, Chandigarh delivered lecture to the officials of M/s Khyber Petroleum & Minerals, Ladu Latpora (District Pulwama), Kashmir on the topic " Gas Cylinders Rules, 2004, SMPV(U) Rules, 1981 and various OISD standards and Various Safety equipment regarding filling and cylinder handling on 19.05.2012.
3. P. Kumar, Dy. Chief Controller of Explosives, Chandigarh has given power point presentation/lecture on stress management to all members of this office on 26.11.2012.
4. Shri P. Kumar, Dy.CCE, Chandigarh delivered lecture during workshop organized on Ammonium Nitrate Rules, 2012 at NFL, Nangal Unit, Punjab on 18.09.2012.
5. Shri P. Kumar, Dy.CCE, Chandigarh delivered lecture on Petroleum Rules, 2002 to the officials of IOCL, Chandigarh at Chandigarh/Panchkula on 21.12.2012.
6. Lecture cum Training given by Shri Ajai Singh, CE, Chandigarh regarding importance of safety in petroleum installations of pharma industries during his visit to various pharma industries in Solan District.
7. Sh. R. Rawat,CE, Jaipur delivered a lecture to all oil companies officials and retail outlet dealers on 21.04.2012 at Bikaner regarding safety in retail outlets during unloading of petroleum products into the underground tank from petroleum road tanker.

8. Sh. R.Rawat, CE,Jaipur delivered a talk on 14.06.2012 to the officials of M/s. R.E.C.L.,Dholpur regarding online submission of RE 12 form of E.R.2008 and online verification of occupier and authorized signatory of the licenses granted under E.R. 2008.
9. Dr. A.Kumar,DCCE, Jaipur delivered a talk on 05.09.2012 and 25.02.2013 regarding safety in LPG bottling plant to the officials of LPG bottling plant of M/s. BPCL,Jaipur
10. Dr. A.Kumar, DCCE, Jaipur delivered a talk on 26.09.2012 and 21.03.2013 regarding safety in LPG bottling plant to the officials of M/s. IOCL, Jaipur.
11. Dr.Y.Khare, CE, Jaipur delivered a lecture on 19.12.2012 to the officials of M/s.BPCL, LPG bottling plant ,Ajmer and drivers of LPG road tankers regarding safety aspects while loading /unloading liquid LPG in road tankers .
12. Dr. Y.Khare, CE,Jaipur delivered a lecture on 21.12.2012 to the officials of M/s. HPCL, Depot,Ajmer and petroleum road tankers drivers regarding safety while loading of petroleum products in tankers and unloading of petroleum products into the underground tank of retail outlet .
13. Dr. G.K.Pandey, Dy.Controller of Explosives, delivered a presentation on the topic ALDS-Introduction & Safety Issues at office of Joint Chief Controller of Explosives, North Circle, Faridabad on **17/04/2012**.

e. WORKSHOPS

1. Shri P. Kumar, Dy. CCE, Chandigarh participated as a Chief Guest in a workshop organized by M/s Hindustan Petroleum Corporation Limited, Bari Brahmana, Jammu & Kashmir on 20-21 April'2012
2. Shri P. Kumar, Dy. CCE, Chandigarh attended technical workshop organized by AIIGMA at Srinagar on 31.08.2012.
3. Shri P. Kumar, Dy.CCE, Chandigarh jointly organized a workshop cum training programme on Ammonium Nitrate Rules, 2012 at NFL, Nangal Unit, Punjab on 18.09.2012 with NFL authorities.
4. Shri Ajai Singh, CE, Chandigarh attended a workshop cum training programme on Ammonium Nitrate Rules, 2012 at NFL, Nangal Unit, Punjab on 18.09.2012.
5. Shri Ajai Singh, CE, Chandigarh attended a workshop on online module regarding RE-11 and RE-12 in the office of Jt.CCE, NC, Faridabad on 13.09.2012
6. Sh. R.C.Kaul Jt.CCE and Sh. P.Kumar, Dy.CCE Attended technical workshop organized by AIIGMA at Srinagar on 31.08.2012
7. Sh. R. Rawat, CE,Jaipur attended a workshop in the office of Jt.CCE,N.C.,Faridabad on 13.09.2012 conducted by Sh. S. Dhoke, Technical Director, NIC , NITPU , Nagpur for online generation of RE-11 and RE-12 form of Explosives Rules 2008.

8. Dr. S.Kamal,Jt.CCE, Nagpur conducted a workshops on 18.09.2012 in the O/O D.CCE,Jaipur for online generation of RE11 and RE12 forms of Explosives Rules 2008 . This workshops was attended by the officials of office of DCCE,Jaipur and number of licensees.
9. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad visited Explosion Protection Test facilities of M/s Intertek India (P) Ltd. alongwith Shri P.C. Srivastava, Jt. CCE, HQ, Nagpur for assessing its capability to test and certify for e, m & n Protection on 20/6/2012.
10. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad attended Safety Workshop on Gas Industry organized by DCCE, Chandigarh on 31/8/2012.
11. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad attended Safety Workshop on Gas Industry organized by DCCE, Chandigarh & Workshop on Ammonium Nitrate Rules being organized at NFL, Nangal. Left Nangal on 18/9/2012.
12. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad attended Safety Workshop on Gas Industry organized by DCCE, Chandigarh & Workshop on Ammonium Nitrate Rules being organized at NFL, Nangal. Left Nangal.attended a technical session on Regulatory Frame work for Electrical Equipments in hazardous areas in the PNID-2012 conference organised by ISA at Hotel Taj, New Delhi on 5/10/2012.
13. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad delivered a presentation on “ALDS- Peso’s perspective” at workshop on ALDS a PESO-IAC initiative at Hotel Tuli International in Nagpur on 3/11/2012.
14. Sh. R.C. Kaul, Jt. CCE, Faridabad attended Workshop on Industrial Gases organised by Northern Chapter of AIIGMA at Hotel Leela Kampenski at Gurgaon on 24/11/2012.
15. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad addressed to gathering at the Workshop on A.N. Rules organised by Deepak Fertilizer & Stakeholders in technical collaboration with PESO on 8/12/2012.
16. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad inaugurated a workshop on “Oxygen Safety” organised by Gas Manufacturers Association at Hotel Raddison Blue, New Delhi and delivered the inaugururad address on 29/1/2013.
17. Sh. R.C. Kaul, Jt. CCE, NC, Faridabad participated as Chief Guest on the Safety Day Programme of Air Liquide in their plant in Panipat on 30/3/2013.
18. DR. G.K.Pandey, Dy.Controller of Explosives, attended one day Seminar on ‘Oxygen Safety Seminar’ New Delhi on **29/01/2013**.

CENTRAL CIRCLE:

MEETINGS /SEMINARS /LECTURES

1. Shri S.K. Bhole, DCE attended training programme on 19.04.2012 to 27.12.2012 in the O/o. CCE, Nagpur.
2. Shri P.K. Sharma, UDC and Shri M.M. Gupta LDC attended training programme on 'Dot-net Petroleum Module' in the O/o. CCE, Nagpur on 2.07.2012 to 21.07.2012.
3. Shri M.I.Z. Ansari, CE attended training programme on 'Team Building and Leadership' at ISTM, New Delhi from 27.08.2012 to 29.08.2012.
4. Dr. A.K. Yadav, Dy. CCE attended training programme on "Good Governance" at ISTM, New Delhi from 19.11.2012 to 23.11.2012.
5. Shri A.Basir, CE attended training programme on "Record Management- RTI-2005" at ISTM, New Delhi from 11.02.2013 to 14.02.2013.
6. Shri S.K. Bhole, Dy.CE attended training programme on "Record Management- RTI- 2005" at ISTM, New Delhi from 11.02.2013 to 14.02.2013.
7. Shri M.K. Pandey, CE attended training programme on "RTI Act- 2005" at ISTM, New Delhi from 11.02.2013 to 14.02.2013.
8. Dr. A.K. Yadav, Dy. CCE attended training programme on 'Presentation Skill' at ISTM, New Delhi from 11.03.2013 to 12.03.2013.
9. Training programme for officers and staff members was organized on Dot-net petroleum module on 26.11.2012. All officers and concerned staff members attended the programme.
10. Sri R.N.Meena,Dy.CCE,Allahabad attended the National Seminar on "EXPLOS SAFE 2013" from 11/01/2013 to 12/01/2013 at Nagpur.
11. Sri R.N.Meena,Dy.CCE,Allahabad attended a training programme on "Team Building and Leadership" from 27/08/2012 to 29/08/2012 at ISTM, New Delhi.
12. Sri A.K. Mehta, CE, Allahabad attended a training programme on "Good Governance" from 19/11/2012 to 23/11/2012 at ISTM, New Delhi .
13. Sri A. K.Mehta, CE, Allahabad attended a training programme on .Net Mudule of Petroleum Rules 2002 from 18/01/2012 to 21/12/2013 in the O/o The Jt. Chief Controller of Explosives,CC,Agra.
14. Sri N.Mohanty, Assistant O/o the Dy.CCE,Allahabad attended a on Workshop on "Noting & Drafting" from 08/10/2012 to 10/10/2012 at ISTM, New Delhi.
15. Sri S.S.Saraiya, UDC.O/o Dy.CCE,Allahabad attended a training programme on "Programme on Pension & other Retirement Benefits" from 22/08/2012 to 24/08/2012 at ISTM, New Delhi.
16. Sri S.S.Saraiya, UDC.O/o Dy.CCE,Allahabad attended a training programme at O/o The Chief Controller of Explosives, Nagpur regarding .Net module of Petroleum Rules 2002 from 20/07/2012 to 21/07/2012.
17. Sri Sharad Chandra, LDC O/o Dy.CCE, Allahabad attended a training programme on Net Mudule of Petroleum Rules 2002 from 18/01/2012 to 21/12/2013 in the O/o The Jt. Chief Controller of Explosives,CC,Agra.
18. Shri M.K. Jhala, Dy.CCE, Bhopal attended Refresher Course training programme from 16.04.12 to 20.04.12 in the Office of CCE, Nagpur.
19. Shri A.K. Dubey, UDC Bhopal attended "Dot Net Petroleum Module" training programme from 20.07.12 to 21.07.12 in the Office of CCE, Nagpur.
20. Shri M.K. Titre, CE attended Knowledge Management training programme from 27.08.12 to 29.08.12 organized by ISTM, New Delhi.

21. Shri M.K. Jhala, Dy.CCE, Bhopal attended Good Governance Management Training programme from 19.11.12 to 23.11.12 organized by ISTM, New Delhi.
22. Shri Janardan Kumar & Shri A.K. Dubey,UDC attended “Dot Net Petroleum Module” training programme from 19.12.12 to 21.12.12 in the Office of Jt.CCE, Agra.
23. Dr.(Mrs.) R.R.Gupta,CE participated in all “Quarterly Review Meetings” organized by Jt CCE, Agra. Dr.(Mrs.) R.R.Gupta, CE attended Seminar on “CNG Safety” at Agra organized by Jt CCE, Agra on 2⁰th Oct.2012.
24. Dr.(Mrs.) R.R.Gupta, CE participated in Co-ordination Meeting with M/S. HPCL organized by Jt CCE, Agra on 20th July.2012.
25. Dr.(Mrs.) R.R.Gupta, CE participated in “Co-ordination Meeting with Officials of Mathura Refinery, Mathura organized by Jt CCE, Agra on 20th July.2012.
26. Dr. Vivek Kumar, Dy CE attended seminar on Explosafe 2013 organized by CCE Nagpur on 11th and 12th Jan2013 at Nagpur.
27. Dr. Vivek Kumar, DCE attended workshop on composite DD entry (new Petroleum Module) organized by Joint CCE Agra on 19th Dec.2012
28. Dr. Vivek Kumar, DCE attended training on accident investigation organized by Joint CCE Agra on 20th Dec.2012
29. Dr. Ruab Ali, Controller of Explosives, Raipur attended 03 days training courses at ISTM, New Delhi on knowledge Management.
30. Dr. Ruab Ali, CE & Shri H.K. Sharma Dy.CE attended the seminar on topic “Explo- Safe 2012” organised by the CCE, Nagpur & Explosives Manufacturers association of India.

EAST CIRCLE:

MEETINGS /SEMINARS /LECTURES

1. In house training was held in the O/o. Jt.CCE,EC,Kolkata on 24.8.12 on Designing & Fabrication of Valves with related safety aspect. A technical presentation was given by Shri Rohit Behani of M/s. Techno Valve. Participated by all the officers of this office.\
2. Two days workshop on Process Safety Management held on 28-29.9.2012 at IICHe Auditorium at Jadavpur University, Kolkata. Attended by all officers of East Circle Office including Sub Circle offices. Around 63 delegates participated in the workshop.
3. Quarterly meeting held on 8.6.2012 in the O/o. Jt.CCE,EC,Kolkata. Participated by all the sub circle heads.
4. Quarterly meeting held on 27.9.2012 Participated by all the sub circle heads.
5. Dr.D.J.Roy, Jt.CCE attended meeting on 11.12.2012 at O/o. CCE,Nagpur
6. Dr. D.J.Roy, Jt.CCE and Shri K.P.Sharma, CE attended meeting in the O/o. CCE,Nagpur on 11.1.2013
7. Explosafe 2013 National seminar on Safety Security and recent trends in Explosives held in the O/o. CCE,Nagpur on 11/12.1.2013. Participated by Dr. D.J.Roy, Jt.CCE and Shri K.P.Sharma, CE

8. Dr.D.J.Roy, Jt.CCE received eGovernance Award 2011-12 on 2.12.12 at Kolkata on behalf of PESO.
9. Dr.D.J.Roy,Jt.CCE and Shri S.K.Shukla,DCCE attended two days Seminar on Risk/Safety and Disaster Management in Process Industries on 15/16.3.13 organised by The Institute of Engineers (India) West Bengal State Centre.
10. Shri S.K.Shukla, Dy.CCE attended meeting at Nagpur on 22.2.2013.
11. Shri S.K.Shukla, Dy.CCE delivered a power point presentation to all delegates who attended the seminar on implementation of Ammonium Nitrate Rules at Gangtok, Sikkim on 4.3.2013.
12. A workshop on Salient Features on Ammonium Nitrate Rules,2012 was conducted in the O/o. Dy.CCE,Asansol on 20.2.2013. The main purpose of the workshop was to educate to the executives from District and Police Authorities. More that 15 nos. of participants were benefited by the workshop. A power point presentation on aforesaid rule was given by Dr.R.K.Rathore, Dy.CCE.
13. DCCE, Asansol, Organised a workshop regarding creating awareness of Explosives Rules & Online generation of RE-11 & RE-12 and online filing of Q/returns at Kunustoria Area, M/s. ECL on 22.12.2012. Dr. R.R. Rathore, Dy.CCE, has attended a seminar on “Explosafe 2013” on 11& 12.01.2013 at Nagpur.
14. One day workshop with active assistance of President, Stone Mines Owners Association, Distt. Burbhum at DRDA, Zila Parishad Hall, Suri was conducted by Dy.CCE,Asansol on 26.2.2013. In workshop a power point presentation was given by Dr.R.K.Rathore, Dy.CCE on Salient Features on Ammonium Nitrate Rules, 2012. Workshop was attended by more than 100 participants including licensees, owners of several stone mines and senior officials from Zilla Parishad, Distt. Birbhum.
15. Dr.R.K.Rathore, Dy.CCE and Shri A.K.Ghosal, CE delivered lectures at Kenda Area, M/s. ECL on 12.03.2013
16. A Seminar on Ammonium Nitrate Rules,2012 was conducted in the O/o. Dy.CCE,Ranchi on 15.3.2013. About 35 nos. of representatives from District Authorities and Police Authorities participated the seminar. A power point presentation on Ammonium Nitrate Rules, 2012 was given by Shri R.P.Singh.
17. Dy.CCE, Guwahati organised a seminar on 27.02.2013 at Guwahati to create awareness on implementation of Ammonium Nitrate Rules, 2012 which was attended by the Licensee and representatives of District Authorities from North East.

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

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' | 15 | 04 | 19 |
| 2 | Group 'B' | 11 | 02 | 04 |
| 3 | Group 'C' | 54 | 26 | 57 |
| 4 | Group 'D' | 24 | 07 | 09 |

2. REPRESENTATION OF PHYSICALLY DISABLED PERSONS IN SERVICE

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

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

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

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 throughout the country. 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 high light 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 PESO

Petroleum and Explosives Safety Organisation, along with its five circle offices, eighteen Sub-circle offices, Departmental Testing Station and Fireworks Research and Development Centre is making coordinated efforts for compliance of the Annual Program issued by the Department of Official Language. Under the leadership of Shri T.R. Thomas, Chief Controller of Explosives, the Organisation is marching towards its goal with utmost dedication and making every effort for promotion of Official Language.

With the objective of creating awareness for progressive use of Hindi in official work, various programs were organized in all the offices throughout the year and motivate the employees for doing maximum official work in Hindi. The incentive scheme of Central Government for noting/drafting done originally in Hindi in official work 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.

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

For promoting the use of Hindi language on computers, **standard language encoding- Unicode** has been loaded on almost all computers. In compliance with Section 3(3) of the Official Languages Act, the organization's online licensing module has been made bilingual. Important letters issued by the Ministry are forwarded immediately to all circle/sub-circle offices for compliance through the e-mail/support site of the organization. All letters received in Hindi are compulsorily replied in Hindi.

Bilingualisation of the Website :

The website of PESO has been made bilingual and is updated at regular intervals. A separate link “Rajbhasha” has been provided on the website under which organization’s activities, achievements, etc. in respect of Official Language, Hindi are displayed.

Monitoring and Inspections:

On 17th January 2013, officers of the Regional Implementation Office (NER), Ministry of Home Affairs, Deptt. of Official Language, Guwahati inspected the office of the Dy. Chief Controller of Explosives, Guwahati with a view to ensure compliance of Official Language Policy and praised their contribution towards progress of Hindi.

Participation in the Meeting of the Advisory Committee of DIPP:

Shri R.C. Kaul, Jt. Chief Controller of Explosives, North Circle, Faridabad and Shri Rajnish Piplani, Dy. Chief Controller of Explosives attended the meeting of Official Language Implementation Committee of DIPP held at New Delhi on 03/08/2012 under the chairmanship of Smt. Shubhra Singh, Jt. Secretary, DIPP.

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 officer regularly attended the meetings of the TOLIC. The employees also participated in the various competitions held by TOLIC. Contribution for the activities of TOLIC is made annually.

Organisation of Inter Office Competition :

Under the aegis of the Town Official Language Implementation Committee, Nagpur an inter-office competition “Chitra Abhivyakti” was successfully organized in PESO, Nagpur on 22/11/2012. 35 participants from various offices of Nagpur participated in the competition.

A book titled “Abhivyakti 26/11” was published by TOLIC, Nagpur which contained the stories written by the participants of the previous year competition. The book was edited by Dr. S.K. Goyal, Secretary, TOLIC, Nagpur and Smt. Vaishali Chirde, Hindi Officer, O/o Chief Controller of Explosives, Nagpur.

Publication of Hindi Magazine “Visphotak Darpan”

For wide publicity of the official language, Hindi Magazine “**Visphotak Darpan**” issue -12 was published during the Hindi Fortnight celebration by the Head office. Officers and staff of Head Office as well as circle and sub-circle offices contributed their articles, etc. for the magazine.

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

Agra office of the organisation also publishes its journal “Madhyanchal Darpan” and Madhyanchal Samachar regularly.

Hindi Training

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 – use of computer/ IT tools

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. Online licensing modules of the Organization have been made bilingual in compliance of Section 3 (3) of the Official Languages Act. The instructions and orders given on the official website of the Deptt. of Official language www.rajbhasha.gov.in are strictly adhered to.

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.

During “Hindi Fortnight” various competitions were organized, such as - Hindi Typing, Noting and Drafting, Essay writing, Handwriting competition, Shabdgyan, Logo and Punch line competition and Antakshari. An exhibition of Hindi books was also arranged. “Hindi Day” was celebrated on 14th September 2012 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. Various incentive schemes are implemented and participants were awarded suitably during the fortnight.

Achievements :-

- **O/o Chief Controller of Explosives, Nagpur:** The O/o Chief Controller of Explosives, Nagpur received second prize for the year 2012-2013 for effective implementation of Official Language and special incentive prize for Hindi Magazine “Visphotak Darpan” by the Town Official Language Implementation Committee, Nagpur.
- **O/o Jt. Chief Controller of Explosives, Central Circle, Agra :** The O/o Jt. Chief Controller of Explosives, Central Circle, Agra received **Special Prize** for the year 2012-2013 for progressive usage and effective implementation of Official Language and a certificate for correspondence and noting & drafting in Hindi by the Town Official Language Implementation Committee, Agra.
- **O/o Jt. Chief Controller of Explosives, North Circle, Faridabad :** The O/o Jt. Chief Controller of Explosives, Faridabad has been awarded **Third** prize for excellent work done in the field of implementing official language policy among central government offices located in region ‘A’ by the Deptt. of Official Language, Ministry of Home Affairs.
- **O/o Dy. Chief Controller of Explosives, Jaipur :** The O/o Dy. Chief Controller of Explosives, Jaipur received **Third** prize for the work done in the field of implementing official language policy in region ‘B’ by the Town Official Language Implementation Committee, Jaipur.

Petroleum and Explosives Safety Organisation, is committed to its 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 premise licensed/approved by the Organization under various Acts & Rules made there under.

UNDER EXPLOSIVES ACT, 1884:

During the year, 17,331 premises (out of total 1,07,039 units licensed) were inspected. This amounts to inspection of 16.19% of the total premises. The inspected premises mentioned above include 7,577 Licensed premises under Explosives Rules, 2008; 5,355 Licensed premises under Gas Cylinder Rules; 4,399 licensed premises under SMPV (U) Rules.

UNDER PETROLEUM ACT, 1934:

During the year, 4,963 premises licensed were inspected, which amounts to about 2.99% of the total 1,65,930 licensed premises. The above inspections include 4,949 premises licensed under Petroleum Rules, 2002 and 14 premises licenced under Calcium Carbide Rules, 1987.

In all out of 2,72,969 premises covered under various licenses and approvals granted by this Organization under various Acts & Rules, 22,294 premises (8.16%) were inspected during the year 2012-13. Statistical information about the premises licensed/approved under various Acts & Rules and inspections carried out thereof are given in Table-I, and Production of Explosives for the last 5 years are given in table II.

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 2012-2013
PREMISES COVERED UNDER LICENCE**

| Number of Licensed Premises & Inspection | | | | | |
|---|-----------------------------|---|--|-------------------------------------|---|
| Rules | As on 01.04.2012 | Licensed in the year 2012-13 | License cancelled in the year 2012-13 | Total as on 31.03.13 | No. of Inspections in the year 2012-13 |
| Ammonium Nitrate Rule, 2012 | | | Nil | | |
| Explosives Rules, 2008 | 38033 | 4062 | 21 | 42074 | 7577 |
| Gas Cylinder Rules, 2004 | 18764 | 20680 | Nil | 39444 | 5355 |
| SMPV(U) Rules, 1981 | 22452 | 3069 | Nil | 25521 | 4399 |
| Petroleum Rules, 2002 | 144801 | 20573 | 128 | 165246 | 4949 |
| Calcium Carbide Rules, 1987 | 669 | 15 | Nil | 684 | 14 |
| Total | 224719 | 48399 | 149 | 272969 | 22294 |

**Chart showing the number of Licensed Premises
and number of Inspection carried out during
2012-2013**

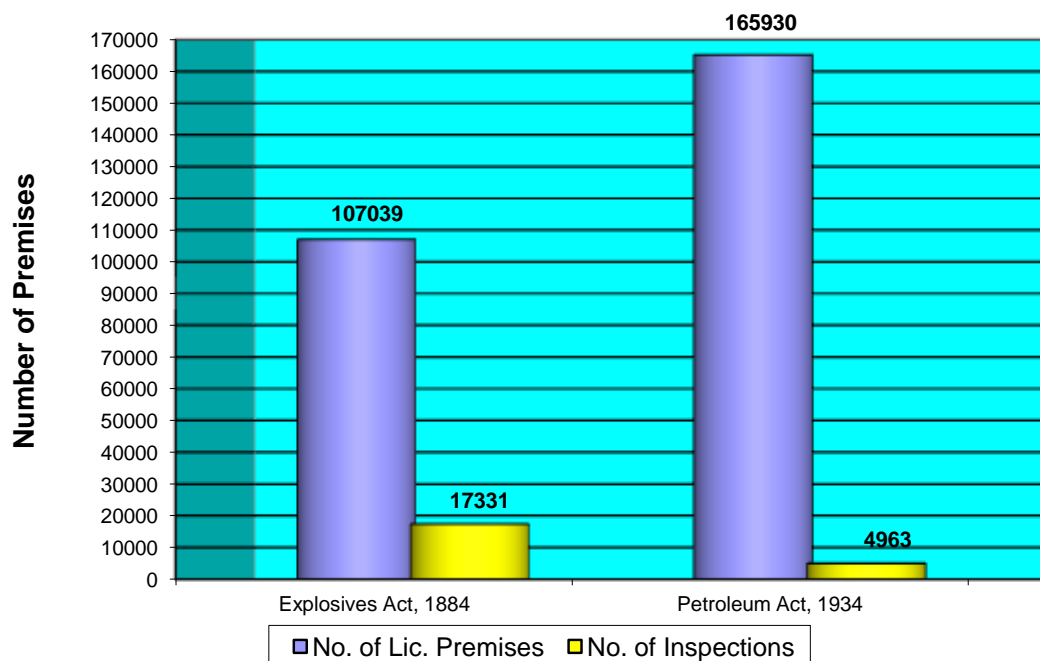


Table - II
Production of Explosives for the last 5 years

| Description | Annual Installed Licenced capacity(MT) | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
|---|---|----------------------|----------------------|----------------------|------------------|------------------|
| Class 1 Gun Powder (Metric Tonnes) | 1595.55 | 908.10 | 827.5 | 688.6 | 710.6 | 577.7 |
| Class 2 (a) Cartridges (b) Site Mixed (Metric Tonnes) | 580386.5 1350385 | 254807.8 343018.5 | 225615.2 389825.7 | 183533.7 359943.5 | 238193 483828 | 267275 495946 |
| Class 3 Div-2 Booster and PETN* (Metric Tonnes) | 16418.67 | 3206 | 4449.3 | 3573.8 | 5063.1 | 5656.5 |
| Class 6 Div 1 Safety Fuse (Million meters) | 268.29 | 132 | 123.1 | 77 | 81.1 | 77.1 |
| Class 6 Div 2 Detonating fuse (Million mtrs) | 576.2 | 334 | 390.6 | 284.6 | 370.6 | 634.2 |
| Class 6 Div 3 Detonators (million no.) | 974 | 610 | 697.5 | 724.2 | 970.7 | 992.2 |
| Class 6 Div 3 Micro Cord (Metric Tonnes) | - | - | - | - | - | 122.1 |

*PETN- Penta Erythritol Tetra Nitrate

ACCIDENT INVESTIGATION **SOUTH CIRCLE, CHENNAI**

A Under Explosives Act, 1884 **Explosives Rules 2008:-**

1. Date: 05/04/2012 Place: Kukatpalli, Hyderabad Dist, A.P.
Killed: Nil Injured: 1
An explosion occurred in the quality control room of detonator manufacturing unit. The cutting of lead wires of rejected crimped detonators by the operator without protecting himself behind the glass protection shield caused injuries to the operator.

2. Date: 24/04/2012, P.Anaippalayam, Aravakurichi Taluk, Karur District, Tamilnadu
Killed – Nil Injured – 1
An explosion occurred in the explosives magazine involving 45363 numbers of detonators stored in the magazine. The electromagnetic fields from the current in the lightning induced in the detonator wires might have caused the accident.

3. Date : 05/06/2012 Puliyamarathupalayam, M.Uthukuli, Coimbatore Tamilnadu
Killed – Nil Injured – Nil
An explosion occurred in the gunpowder mixing building of safety fuse manufacturing unit. The spark generated due to friction while mixing the gunpowder composition in the mixing drum might have caused of accident.

4. Date : 10/05/2012 Sivakasi, District Virudhanagar Tamilnadu
Killed – 1 Injured – Nil
A fire/explosion accident occurred in the fireworks unit. The accident might have occurred due to self decomposition of tipping composition of flower pot.

5. Date : 19/06/2012 Village Sooda, District Udupi (Karnataka)
Killed – 2 Injured – Nil
After preparing the holes for charging the blaster brought the explosives for charging. Due to sudden start of rains shot firer and helper kept the explosives and electric detonators in the brick masonry shed near the quarry. Two women working in the quarry came near the shed to take shelter from the rains. An explosion occurred in the brick masonry shed in which both the women standing under the shed were killed. It is believed that explosive took place due to lightning strike.

6. Date : 23/07/2012 Sivakasi, District Virudhanagar Tamilnadu
Killed – Nil Injured – 1
Fire/explosion accident took place in the fireworks unit. The most probable cause of the accident appeared to be the decomposition of the Red pellets due to presence of internal moisture and uncoated Magnesium powder which was aggregated by mishandling/falling by the workers resulting in to fire.

7. Date : 28/07/2012 Sivakasi, District Virudhanagar_Tamilnadu
Killed – 3 Injured – 4

Fire/explosion accident occurred in the fireworks unit. The falling of fireworks boxes containing waste fireworks materials for disposal during transit to the burning pit away from the factory premises resulted into fire and explosion.

8. Date : 10/08/2012 Sivakasi, District Virudhanagar Tamilnadu
Killed – 1 Injured – Nil

Fire/explosion occurred in the fireworks unit. The decomposition of flower pot composition caused the accident.

9. Date : 13/08/2012 Sivakasi, District Virudhanagar Tamilnadu
Killed – 1 Injured – Nil

Fire/explosion occurred in the fireworks manufacturing unit. The decomposition and self ignition of semi dried colour pellets resulted into the accident.

10. Date : 05/09/2012 Sivakasi, District Virudhanagar Tamilnadu
Killed – 40 Injured – 55

Devastating fire/explosion occurred in the fireworks manufacturing unit. The impact and friction or heat while ramming explosives composition into a shell of an aerial fireworks item by an unexperienced worker might have caused a spark which initiated fire followed by explosion. The erratic stocking and drying of fireworks outside the working sheds contributed spread up of fire in the fireworks manufacturing unit and engulfed transit shed which exploded later. Keeping of excess quantity of pellets in the shed significantly contributed to the enormity of the power of explosion which instantly killed the people around.

11. Date: 29/11/2012 Place: Peddakandukur (v) Nalgonda Dist, A.P
Killed: 2 Injured- 3

A devastating explosion took place in the LA & LS manufacturing process building of detonator manufacturing plant. Accidental of laid styphnate container while weighing same caused the explosion.

12. Date : 11/01/2013 Sivakasi, District Virudhanagar Tamilnadu
Killed – 3 Injured – 3

Fire/explosion occurred in the fireworks unit. Self decomposition of tipping composition of chakkaram tubes caused of accident.

13. Date : 22/01/2013 Sivakasi, District Virudhanagar Tamilnadu
Killed – 1 Injured – Nil

Fire/explosion occurred in the fireworks manufacturing unit. Self decomposition of sensitive flower pot tipping composition leads to accident.

14. Date : 31/01/2013 Sivakasi, District Virudhanagar Tamilnadu
Killed – 1 Injured – 1
Fire/explosion occurred in the fireworks manufacturing unit. The spark generated due to friction when the aluminum basin contained gun powder slipped on the floor was the probable caused of accident.
15. Date: 29/02/2013 Place: Peddakandukur Village, Nalgonda Dist,A.P
Killed: Nil Injured: 2
An explosion occurred in the process building where NHN was not properly washed and was brought for inspection to find out the reasons for abnormal heating. The NHN exploded because of excess heat generation (more than the threshold limit) which triggered detonation.

UNDER SMPV (U) Rules, 1981

1. Date : 17/05/2012 Place: Village Kedhila, Dakshin Kannada District
Killed – 1 Injured – Nil
- LPG road tanker was unloaded at HPCL bottling plant, Bangalore and left for Mangalore on the same day empty LPG road tanker was about to enter the narrow Amai bridge on NH75 (Bangalore-Mangalore), the driver of the LPG road tanker lost the control of the vehicle resulting in hitting the left side cemented bridge guard. The fuel tank of the tanker collided with the cemented guard and fuel started leaking from the fuel tank. Due to impact of the collision, the tanker turned to the opposite side & rammed the right side cemented bridge guard and plunged into canal bed about 20 feet deep.
2. Date : 23/07/2012 Place: Village Hanumapur, District Tumkur
Killed – 1 Injured – 1
LPG road tanker was loaded with LPG at LPG bottling plant of M/s Total Oil India Ltd., at Mangalore, Karnataka and left to Namakkal on the same day, the said road tanker loaded with LPG reached Hanumapur-Shettigehally Bypass near Kunigal on NH-48 which is situated at about 80 KM from Bangalore and collided with a milk van parked on the left side. Due to the impact of the collision, the milk van overturned and the LPG tanker tilted towards the milk van. Due to collision, fuel tank of the milk van started leaking and fire occurred engulfing cabins of both the vehicles.

3. Date : 11/02/2013 Place: Village Mulbagalu, District Kolar
Killed – 3 Injured – 1

Manhole cover of the liquid Carbon dioxide mobile tanker loaded with 17 MT of liquid Carbon dioxide was thrown away while vehicle was plying on the national highway, resulting into heavy release of carbon -di-oxide. The developed pressure in side the vessel due to continuous running of the vehicle could not be relieved due to closure of isolation valves caused the accident.

Under District Magistrate premises:

1. Date: 02/04/2012 Place: Village Tadiparru, West Godavari Dist, A.P.
Killed: 7 Injured: 2

An explosion occurred in white powder filling shed of fireworks manufacturing unit licensed by District Magistrate while filling white powder into the Tatakutapakayalu and Tarajuvvalu items of fireworks. The accident is belived to have occurred due to impact during filling.

WEST CIRCLE, MUMBAI

A Under Explosives Act, 1884

Explosives Rules 2008:-

1. Date: 10/04/2012 Place – Hariom Nagar Distt. Surat
Killed: 1 Injured: 4

A fire accident involving fireworks shop occurred due to generation of spark from overhead electric lines passing along the front side of the shop. The spark entered inside the shop through the gap between the wall and top box of rolling shutter resulted into fire accident.

2. Date : 23/05/2012, Place – Talegaon (Raghuji) , Distt. – Wardha.
Killed – 02, Injured – 06

A devastating explosion took place in the spinning building of detonating fuse manufacturing unit while DF spinning operation was being carried out. The cause of accident was the detontion of PETN due accumulation of static charges.

3. Date : 11/06/2012, Place – Hingni, Distt. – Wardha.
Killed – Nil, Injured – Nil

An explosion occurred in an abandoned process building of explosives manufacturing unit due to auto decomposition of old stock of BSNC stored in MS barrels..

4. Date : 19/02/2013 Place – Talegaon (SP) Distt. – Wardha
Killed – Nil, Injured - Nil

An explosion accident occurred in the ASA drying building of detonator manufacturing unit. The explosion of dried ASA composition is belived to have occurred due to friction between foreign materials or particles. The dried ASA mixture kept on the other two adjacent drying trays also detonated. It appears that friction caused the explosion.

5. Date: 05.03.2013 Place – Tarwade, Vill. Jalgaon, Dist - Jalgaon
Killed – 2 Injured – Nil

An explosion accident occurred in the ingredient shed of fireworks manufacturing unit. The explosion took place when fireworks composition was being mixed in the ingredient shed in a plastic bucket by a woman worker wearing synthetic clothes. The spark generated by the accumulation of static charges due to wearing of synthetic clothes resulted into explosion.

6. Date: 24/03/2013 – Place Nagpur

Killed – Two Injured – Two

A devastating explosion occurred in filled shell store room of detonator crimping and packing building of detonator manufacturing unit. Mishandling of filled shells while carrying out inspection prior to distributing the filled shells to the crimping operators resulted into explosion.

Gas Cylinder Rules, 2004

1. Date : 16/11/2012 Place: Vadval District: Raigad

Killed - Nil Injured - 2

A fire followed by explosion occurred in the acetylene generation & cylinder filling unit. Initially, profuse leaking of acetylene gas at a high pressure took place. The leak acetylene underwent auto-ignition and fire subsequently engulfed large number of acetylene cylinders stored nearby. Subsequently, one acetylene cylinder exploded due to prolonged heating of fire damaging the roof of the filling shed. The cause of the accident appears to be the poor quality of the pig tails used for filling of acetylene cylinders.

2. Date : 16/11/2012 Place –Goregaon (East) Distt. Mumbai

Killed – 1 Injured - 3

While refilling of CNG cylinders fitted on-board on the truck chassis, one of the cylinder exploded. The cause of accident appears to be wear & tear of the CNG cylinder which was not subjected to periodic hydrostatic testing.

3. Date : 08.12.2012 Place : Dhanaj, Tal. Kanaja, Dhanaj, Washim.

Killed : 1 Injured – Nil

An accident occurred while collecting the tools and tackles by the cleaner of LPG tanktruck which was kept beneath the valve box. When cleaner was collecting tools, the driver started vehicles without knowing the position of the cleaner. The cleaner got scared due to noise of starting of vehicle and tried to rush out from the place near valve box and rear wheel. While doing so, some how he fell down and got injured. Subsequently, the injured succumbed to death. The cause of accident appears to be miscommunication between driver and cleaner.

4. Date : 02/03/2013 Place Vavkate, Budruk, Indapur, Pune

killed -1 Injured - 2

A propylene road tanker carrying 18 MT of propylene was on its way to Pune when a car at a high speed dashed against the propylene tanker hitting the shroud of the inlet and outlet discharge faucets. This resulted into shearing off the excess flow valves causing heavy leakage of propylene. Subsequently accumulation of flammable mixture resulted into vapour cloud explosion.

5. Date : 04/05/2013 Place : Mankhurd, Govandi Distt. : Mumbai

Killed – 1 Injured – 16

A LPG tank truck carrying 18 MT LPG from BPCL Refinery, Chembur, Mumbai met with the accident at Mankhurd in Mumbai which resulted into detachment and falling of the LPG vessel along with trailer chassis into a deep ditch causing shearing off the liquid inlet/outlet and vapour line of the LPG vessel. This leads to heavy leakage of LPG and subsequent vapour cloud explosion.

Petroleum Rules, 2002:-

1. Date: 02/05/2012 Place – Kandla Port Distt. Kutch
Killed- Nil Injured- Nil
A Fire/explosion accident occurred involving 3.1 meter long portion of 12” dia. Cross-country petroleum pipeline. The explosion occurred immediately after the pigging of the pipeline by the compressed air. The accident might have occurred due to presence of Benzene & air mixture, which got ignited probably due to spark generated due to accumulation of static charges.
2. Date : 18/10/2012 Place Jalna Rd., Near Old Mondha, District Jalna
Killed- Nil Injured - Nil
A fire accident occurred in the retail outlet. Initially, fire had erupted in the sales room where samples of MS & HSD were stored. Subsequently, the fire engulfed the petroleum tank truck and dispensing units. It is believed that electrical short circuiting in the sales room caused the accident.
3. Date : 26/11/2012 IOCL Chanta Petrol Pump Akola District Akola
Killed - 1 Injured - 2
A devastating explosion occurred in the retail outlet while carrying out hot work in the underground petroleum storage tank. The accident occurred due to improper cleaning of the storage tank and not making the same gas free before starting the hot work.
4. Date: 04/12/2012 Place – Vill. Rudatal Distt. Ahmedabad
Killed- 3 Injured- Nil
The fire accident occurred at Dabsar Scrapper (pig) receiving station of M/s. Indian Oil Corporation Ltd. Pipeline Division, WRPL, Viramgam. The leakage of crude oil followed by fire accident occurred due to material failure of forge flange pipe welded to 24” underground cross-country petroleum pipeline and spread out around 200 M radius.
5. Date: 05/01/2013 Place – Hazira Distt. Surat
Killed-3 Injured- Nil
A major fire accident occurred in the petroleum installation of M/s. Indian Oil Corporation Ltd. involving double deck floating roof storage tank. The accident occurred while contractor’s personnel were attending the flaw in double deck floating roof of the MS tank. While doing so, petroleum products caught fire due to generation of spark. The accident resulted into complete damage to the floating roof tank and loss of about 5000 KL petroleum product.
6. Date: 19/02/2013 Place – Vill. Bilpad Distt. Anand
Killed-1 Injured- Nil
A fire accident occurred in the petroleum installation of M/s Reliance Port & Terminal Ltd. involving petroleum road tanker. Due to bursting of front tyre, the petroleum road tanker overturned and approximately 15.5 KL petroleum product burnt off in the accident.

CENTRAL CIRCLE, AGRA

ACCIDENTS:

Under SMPV(U) Rules, 1981

1. Date : 06/05/2012 Place: Kanpur-Lucknow Highway, Distt Unnao, Uttarpradesh
Killed – 2 Injured – Nil

A LPG tank truck met with the accident on its way to the IOC Bottling plant, Amausi, Distt. Lucknow. The Probable cause of accident was shearing off the LPG liquid and vapour inlet outlet valves resulted in leakage of heavy amount of LPG from vessel.

2. Date : 11/11/2012 Place: Janetpur, District Auraiya, Uttarpradesh
Killed – Nil Injured – Nil

A fire/explosion accident occurred while carrying out filling of cylinders illegally directly from the LPG tank truck. It is believed that spark generated from unknown source might have resulted into fire and explosion of LPG cylinders.

Under Petroleum Rules, 2002

1. Date : 03/07/2012 Place: Chunar, District Mirzapur, Uttarpradesh
Killed – Nil Injured – 1

A fire took place while unloading HSD from a tank truck in a retail outlet of M/s BPCL. While unloading HSD, the petroleum tank truck was not properly earthed. The spark generated due to accumulation of static charges might have caused the ignition.

2. Date : 10/10/2012 Place: Bhopal, District Bhopal, Madhyapradesh
Killed – Nil Injured – Nil

A fire took place in the driver's cabin while unloading of HSD from a tank truck in retail outlet of M/s HPCL. The petroleum soaked clothes which were used for cleaning during sampling of petroleum before decanting were kept under the cleaner's seat near the heavy duty battery cut off switch in the driver's cabin caught fire due to short circuiting in the battery.

3. Date : 15/01/2013 Place: Maksi, District Shajapur, Madhyapradesh
Killed – 1 Injured – Nil

A fire incident took place while unloading MS from a tank truck in a retail outlet of M/s BPCL. Petroleum rich vapours present nearby the tanker during unloading got ignited. The spark generated due to accumulation of static charges might have caused the ignition.

Under District Magistrate premises:

1. Date : 24/04/2012 Place: Shahjahanpur, District Shahjahanpur, Uttarpradesh
Killed – 6 Injured – 3
An explosion occurred in a fireworks shop located in congested area licensed by District Authority. It is believed that accident might have occurred due to initiation of loose gun powder in the shop.
2. Date : 12/09/2012 Place: Himmatpur Bidhuna, District Auraiya, Uttarpradesh
Killed – 9 Injured – 7
A fire/explosion occurred in a residential premises where manufacturing of fireworks was carried out illegally due to self ignition of chemical composition used for manufacturing fireworks.

NORTH CIRCLE, FARIDABAD ACCIDENTS

A Under Explosives Act, 1884

Explosives Rules 2008:-

1. Date : 25/05/2012 Place: Village Mohana Distt. Faridabad
Killed – Nil Injured – 2

A fire accident occurred in the washing area of detonator manufacturing unit. The vapours of the acetone present around the cleaning table caught fire due to ignition of dipping composition.

Under Gas Cylinder Rule, 2004

1. Date : 20/10/2012 Place: Gazipur, New Delhi
Killed – Nil Injured – 5

An accident occurred at CNG filling Station of M/s Indraprastha Gas Limited. A maruti van came for refuelling CNG at CNG filling Station of M/s IGL, Gazipur. The dispensing of CNG was in progress and approximately 5Kg of CNG was dispensed, suddenly explosion occurred in the cylinders fitted to the van. The flaws in the cylinder either during manufacturing or pre-existed in tube use for manufacturing of cylinder might have resulted into explosion of CNG cylinder.

UNDER SMPV (U) Rules, 1981

1. Date : 28/05/2012 Place: **Sitapur, Jaipur**
Killed – 1 Injured – 1

A fire accident occurred in the LPG bottling plant of M/s. IOCL, in the tank truck loading gantry while detaching the LPG loading arm from the tank-truck after completion of loading operation. The LPG vapours leaked during decoupling of loading arm might have got ignited either due to some external source of ignition or spark generated due to accumulation of static charges.

B. PETROLEUM ACT 1934

PETROLEUM RULES 2002

1. Date : 08/12/2012 Place: Ramnagar, Panchkula, Haryana
Killed – Nil Injured – 1

Petroleum tank truck engulfed in fire due to leakage of MS through the bottom flange gasket of one the compartments of the tank truck. The burning coal lying adjacent to the tank truck caused the ignition of MS vapour-air mixture.

2. Date : 19/04/2012 Place: Nokha, District Bikaner
Killed – Nil Injured – Nil

A fire occurred in a retail outlet of M/s. BPCL while tank truck was unloading MS in the underground storage tank. Tanker driver tried to drive out the vehicle outside the retail outlet as soon as he saw the fire at the discharge faucets. While doing so, the unloading hose coupling detached from the discharge faucet which resulted into spreading of MS in the retail outlet. This leads to spread of fire in the other areas of the retail outlet. As the earthing was not provided to the tanker chassis, the static charges accumulated is believed to have resulted in the ignition of MS vapour-air mixture accumulated due to leakage at the unloading hose and discharge faucet connection.

Unlicensed premises:

1. Date : 11/09/2012 Place: Khanna, District Ludhiana
Killed – 10 Injured – 8

A fire accident took place in the solvent extraction plant due to leakage of hexane from the oil extractor which resulted into formation of hexane vapour cloud within the extraction plant premises. The hexane vapours got ignited due to spark at the open end of engine exhaust pipe of the truck as soon as the same entered in the factory premises.

EAST CIRCLE, KOLKATA

ACCIDENTS:

A Under Explosives Act, 1884

UNDER SMPV (U) Rules, 1981

1. Date : 19/1/2012 Place: Howrah
Killed – 1 Injured – 2

LPG tanker plunged into 20 meter deep gorge when a truck collided with LPG tanker.

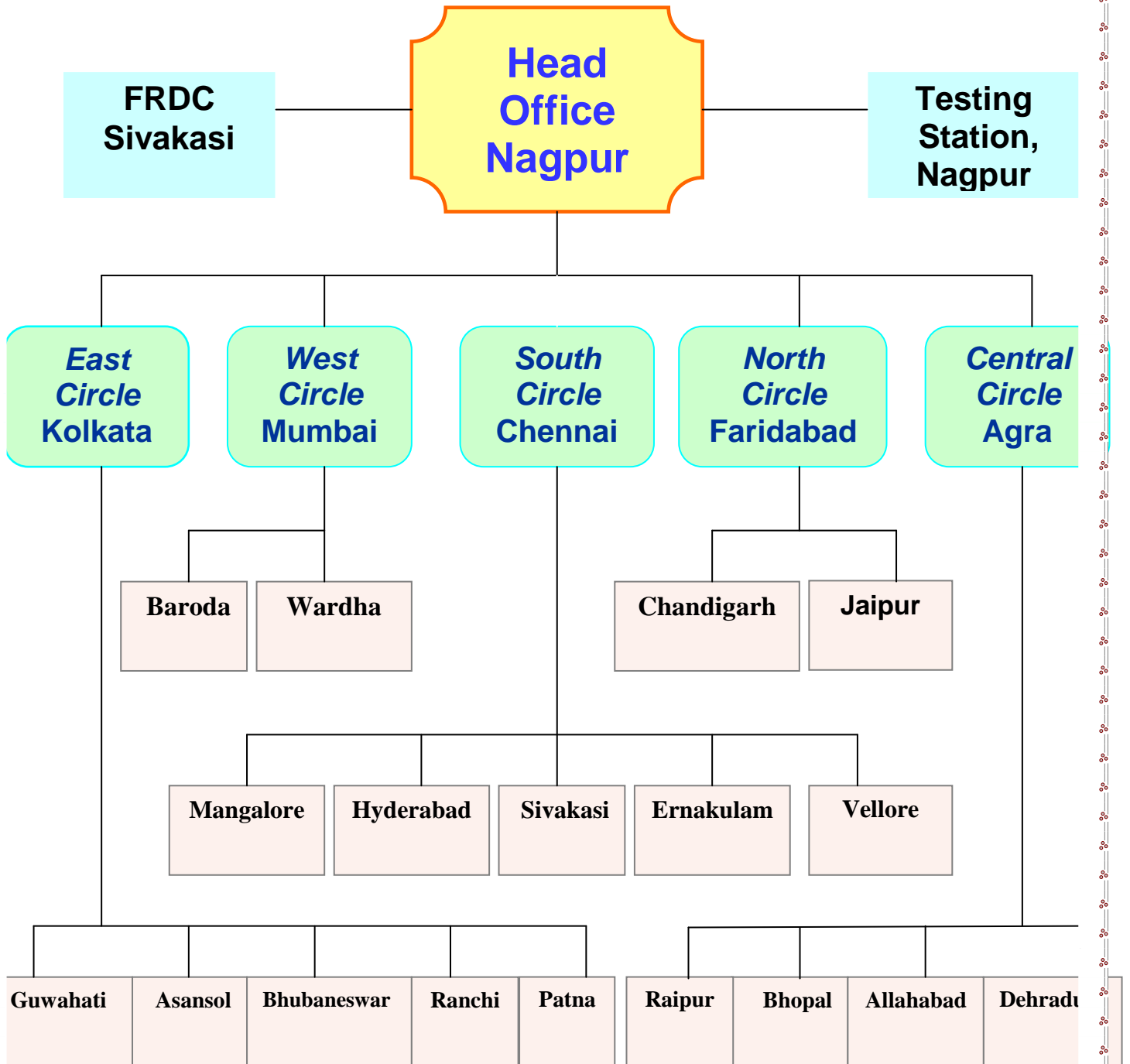
PETROLEUM ACT 1934

PETROLEUM RULES 2002

1. Date : 07/05/2012 Place : Ranchi
Killed – Nil Injured – Nil

While decantating MS from petroleum tank truck into underground tank, fire took place near the discharge faucet petroleum tank truck and subsequently petroleum tank truck gutted into fire. A spark generated due to accumulation of static charges might be the source to ignition for MS vapour-air mixture.

**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, 2510579, 2512006, 2510072, 2512091, 2510139, 2512093, 2512094, 2511512, 2512257 EPABX No-2510248 Fax No. -2510577 Telegram:Explosives |
| 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.) | Gujrat, Washim, Hingoli, Akola, Parbhani, Maharashtra,Goa, Daman & Diu, Dadra & Nagar Haveli. | STD Code (022) 27564941(D) 27573881 EPABX No.- 27575946 Fax No.- 27575967 Telegram:INSWEST |
| Sub-Circle Office | | | | |
| 02 | Baroda | Dy. Chief Controller of Explosives, 8 th Floor, Yash Kamal Building Opposite MS Unmiversity Sayajigunj, Baroda – 390020 | Gujarat | STD Code (0265) 2361035, 2225159 Fax No.- 2225952 Telegram: Explosives |
| Factory Attached Office | | | | |
| 03 | Wardha | Controller of Explosives, C/o.Geetai Nagar, Opposibe Dhuniwale's Math, Nagpur Road, Gopuri, Wardha 442001 (M.S.) | Wardha, Yeotmal, Nanded, Gondia, Chandrapur, Gadchiroli, Bhandara Districts 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 Esplanade East, 1 st Floor, Kolkata 700069 (W.B.) | West Bengal, Bihar, Orisssa, Assam, Manipur, Tripura, Arunachal Pradesh, | STD Code (033) 22480427, 22486600, 22489524, 22420686 |

| | | | | |
|-------------------|--------------------|---|--|--|
| | | | Meghalaya, Mizoram, Sikkim, Nagaland, Andaman & Nicobar Islands | Fax No.-22439322 Telegram: INSEAST |
| Sub-Circle Office | | | | |
| 02 | Asansol | Dy. Chief Controller of Explosives, 93, S.B. Gorai Road, P.O. Asansol, Dist. Burdwan, 713301 (W. B.) | Districts of Burdwan, Bankura & Purulia (West Bengal) | STD Code (0341) 2283967 Fax No.- 2283834 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 03. | Guwahati | Dy. Chief Controller of Explosives, GNB Road, Near Bhuyan Manson, 4 th Floor, Panchwati, Silpukhuri, Guwahati 781003 (Assam) | Assam, Sikkim Manipur, Tripura, Nagaland, Arunachal Pradesh, Meghalaya and Mizoram | STD Code (0361) 2662783 Fax No.-2662503 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 04. | Ranchi | Dy. Chief Controller of Explosives, Sri Mohan Building, 'Sita Compound, 5, main Road, Behind Sushila Automobiles, Ranchi-834001 (Jharkhand) | Jharkhand | STD Code (0651) 2332689, 2332690 Fax No.-2332688 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 05. | 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 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 06. | Patna | Controller of Explosives, 1 st Floor, Mahabir Complex, Adarsh Colony, Road No 2, Khemnichauk, PO.O. New Jananpura, Patna-800027 | Bihar | STD Code (0612) 2390914 Fax No.-2390913 Telegram: |
| D. South Circle | | E-mail: jtccechennai@explosives.gov.in | | |
| 01. | Chennai | Jt Chief Controller of Explosives, No. 140, Rukhmini Laxmipati Road, Marshalls Road, Egmore, Chennai 600008 (T.N.) | Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Pondichery & the Lakshdive Islands | STD Code (044) Tel:, 28515464, 28419529, 28429945-47, 28515464 Fax No.- 28514848 Telegram: Explosives |

| | | | | |
|--------------------------|-----------------------|---|--|--|
| Sub-Circle Office | | | | |
| 02. | Ernakulam | Dy. Chief Controller of Explosives, C2, 3 rd Floor, CGO Complex, Opp. CSEZ, Kakkanad, Ernakulam, Kochi-682037 (Kerala) | Kerala and Mahe in the Union Territory of Pondichery | STD Code (0484) Tel.: 2427286 Fax No.2427276 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 03 | Mangalore | Dy. Chief Controller of Explosives, 2 nd Floor, City Centre, Opposite Hotel Roopa, Balmatta Road, Mangalore-575001 (Karnataka) | Karnataka | STD Code (0824) 2420167, 2441588 Fax No.-2423937 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 04. | Sivakasi | Dy. Chief Controller of Explosives, FRDC, Behind ESI Hospital, Sivakasi West, Sivakasi-626124 (T.N.) | Ramnathapuram, Madurai, Tirunelveli, Thanjaur, Theni Kanyakumari, Virudunagar, Tuticorin, Dindigal, Madurai, Dindigul Anna & Nagapptinam Districts of Tamil Nadu | STD Code (04562) 254353 Fax No.- 255233 Telegram: Explosives |
| 05. | Vellore | Controller of Explosives, D-57, 1 st Floor, Katpadi Road, Gandhi Nagar, Vellore 632006 (TN) | Vellore, Dharmapuri, Thiruvannamalai, Salem, Brode & Coimbatore Districts of T. N. | STD (0416) 2241642 Fax No.– 2242513 |
| Sub-Circle Office | | | | |
| 06. | Hyderabad | Dy. Chief Controller of Explosives, Kendriya Sadan, 1 st Floor, Sultan Bazar, Koti, Hyderabad 500195 (A.P.) | Andhra Pradesh, Yenam in the Union Territory of Pondichery | STD (040) 24600359, 24617863 Fax No. 24617803 Telegram: Explosives |
| 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 Palace, Agra- 282 002 (U.P) | Uttar Pradesh and Madhya Pradesh, Uttaranchal and Chattisgarh | STD (0562) 2521322 2523244, 2523266 Fax No.- 2527436 Telegram: Explosives |

| Sub-Circle Office | | | | |
|-------------------|-------------------|--|---|--|
| 02. | Allahabad | Dy. Chief Controller of Explosives Sector-1, Bhawan No 66, Lajpat Rai Road, Allahabad - 211001 (U.P) | Allahabad, Ambedkarnagar, Azamgarh, Banda, Balarampur, Ballia, Basti, Chandauli, Chitrakoot, Deoria, Faizabad, Fatehpur, Ghazipur, Gonda, Gorakhpur, Jaunpur, Kushambi, Mirzapur, Mau, Mahrajanj, Pratapgarh, Sant Ravidas Nagar, Raibareli, Shravasti, Sant Kabirnagar, Siddharth Nagar, Sonebhadra, Sultanpur, Varanasi Districts of Uttar Pradesh | STD (0532) 2250329, 2441491 Fax No.- 2644964 |
| Sub-Circle Office | | | | |
| 03. | Bhopal | Dy. Chief Controller of Explosives, E-8/23, Basant Kunj, Arera Colony, Bhopal -462039 | Madhya Pradesh | STD (0755) 2420775, 2445270 Fax No.- 2429997 Telegram: Explosives |
| Sub-Circle Office | | | | |
| 04. | Dehradun | Controller of Explosives, 421, Indira Nagar, Near Asian School, Dehradun- 248006, Uttarakhand. | Uttarakhand | STD (0135) 2769780 Fax No.-2769794 |
| 05. | Raipur | Controller of Explosives, Avanti Vihar Colony, main Road, Near Nala, Raipur-492006. Chhattisgarh | Chhattisgarh | STD (0771) 2442204 Fax No.- 2442204 |
| F. North Circle | | E-mail: jtccefaridabad@explosives.gov.in | | |
| 01. | Faridabad | Jt Chief Controller of Explosives, Hall No 502 & 507, Level-5, Block-B, Old CGO Complex, NH-4, Faridabad - 121001 (Haryana) | Delhi, Jammu & Kashmir, Himachal Pradesh, Haryana, Punjab & Rajasthan and Union Territory of Chandigarh | STD (0129) 2410730, 2410770, 2410732, 2410734, 2410731, 2421388 Fax No.- 2410733 |
| Sub-Circle Office | | | | |
| 02. | Chandigarh | Dy. Chief Controller of Explosives, Shop cum office building, 1134/1135, Sector 22/B, Chandigarh - 160 002 | Punjab, J & K Himachal Pradesh, Chandigarh | STD (0172) 2702586, 2727234 Fax No.- 2725839 |

| Sub-Circle Office | | | | |
|---------------------------|------------------------|--|------------------|--|
| 03.. | Jaipur | Dy. Chief Controller of Explosives, Amrapali Road, Near Power House, Vaishali Nagar, Jaipur 302021 (Raj.) | Rajasthan | STD (0141) 2356731, 2356781 Fax No.- 2350279 |
| G. 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, Amravati | STD (07104) 280374, 280305 Fax No.- 280565 |
| H. FRDC | | | | |
| 01. | Sivakasi (FRDC) | Fireworks Research and Development Center Anaiyoor Village, Sivakasi West, District Virudhunagar -626124 | - | STD (04562) 254402, Fax No.- 254404 |

Pay & Accounts Office

| | 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**

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

ANNEXURE-IV**PRODUCTION OF EXPLOSIVES DURING THE YEAR 2012-2013**

| Sr No. | Explosives | Class | Quantity Kgs/Mtrs/Nos. |
|---------------|-------------------|--------------|-----------------------------------|
| 1 | Gun Powder | 1 Div. 0 | 577746.9 |
| 2 | Nitrate Mixture | 2 Div. 0 | 267275996.2 |
| 3 | SME | 2 Div. 0 | 495946154.8 |
| 4 | PETN+Cast Booster | 3 Div.2 | 5656526.8 |
| 5 | Safety Fuse | 6 Div. 1 | 77177536.0 |
| 6 | Detonator Fuse | 6 Div. 2 | 634924289.0 |
| 8 | Detonator | 6 Div. 3 | 992230059.0 |
| 10 | Micro Cord | 7 Div. 3 | 122165.0 |

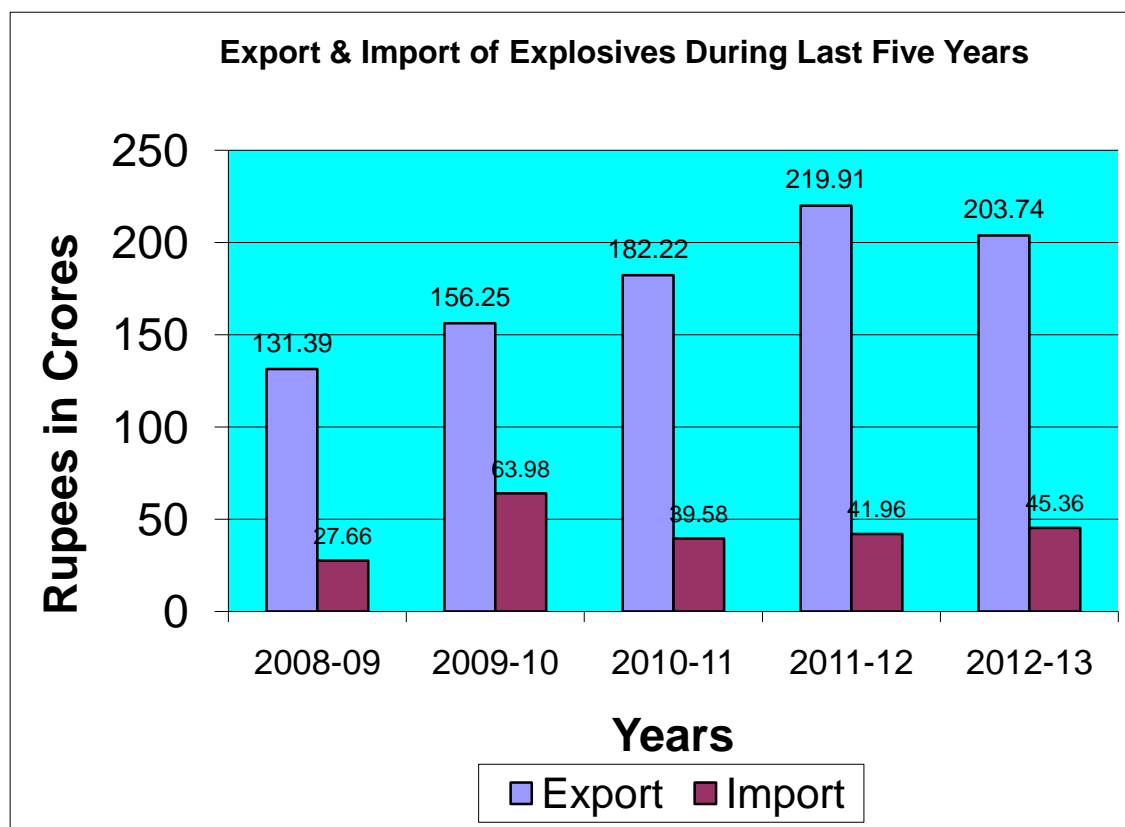
IMPORT & EXPORT OF EXPLOSIVES

IMPORT:

During the year 2012-2013, 145 number of licenses were issued for importation of short delay detonators and specific type of explosives for use in exploration by Oil India Ltd., Cairn Energy India Ltd., BG Exploration & Production India Ltd., HLS Asia Ltd., Oil & Natural Gas Corporation Limited, Niko Resources Limited, Reliance Industries Limited, GeoEnpro Petroleum Limited, Great Eastern Energy Corporation Limited, Joshi Technologies International Inc., Schlumberger Asia Services Limited, Gujarat State Petroleum Corporation Limited, Electronics Corporation of India Limited, Indian Explosives Limited, Rajasthan Explosives & Chemicals Limited, Ideal Detonators Pvt. Ltd., Selan Exploration Technology Ltd., Focus Energy Ltd., Premier Explosives Ltd., OAO “Gasprom”, Premier Oil (North East India) BV, Essar Oil Ltd., and Marine Safety Products, A. S. Moloobhoy & Sons, SHM Shipcare for shipping signals (Pyrotechnics) and Srijan Systems Pvt. Ltd., for pyrotechnics scare cartridges (Anti Bird Devices) by use of Airports Authority of India and Air Force Stations. The value of explosives imported was Rs. 45.36 Crores.

EXPORTS:

During the year 2012-13, 330 nos. of licenses were granted for exportation of explosives and value of explosives exported was worth Rs. 203.74 Crores.



DESTRUCTION OF EXPLOSIVES DURING THE YEAR 2012-2013

| | |
|------------------|----------------|
| Class-1 | 181.55 kg. |
| Class-2 | 134858.858 kg. |
| Class-3 Dvi.2 | 1425.05 kg. |
| Class 6 Div.1 | 47927.75 mtrs. |
| Class 6 Div.1 | *19969 nos. |
| Class 6 Div.2 | 19299.6 mtrs. |
| Class 6 Div.2 | **67497 Nos. |
| Class 6 Div.3 | 189069 nos. |
| Class 7 Div.2 | 24371.315 kg. |
| Class 7 Div.2 | ***1269 Nos. |
| Ammonium Nitrate | 902.8 kg. |

*Delay ignitor/PC disk

**Percussion caps

*** Hand Flare

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

GAS CYLINDER & VALVES :

A Comparative statement of production of Cylinders, Valves & Regulators During 2010-2011, 2011-2012 & 2012-2013 is given below.

| Sr. No. | Items Manufactured | Nos. Manufactured During | | |
|---------|--|--------------------------|--------------------|------------------|
| | | 2010-11 | 2011-12 | 2012-13 |
| 01. | Welded load Carbon steel Gas Cylinders For | | | |
| | a. LPG | 1,02,36,540 | 1,01,20,400 | 28,09,740 |
| | b. Dissolved Acetylene Gas | 7,330 | 6,750 | 1,680 |
| | c. Other low pressure Liquefiable Gas | 5,30,200 | 3,35,650 | 1,11,900 |
| | Total (a + b + c) | 1,07,74,074 | 1,04,62,800 | 29,23,320 |
| 02. | Welded Large Containers for low pressure Liquefiable Gas | 40,450 | 37,740 | 11,400 |
| 03. | Seamless Steel Cylinders for Permanent & high pressure Liquefiable Gas | 10,11,958 | 7,58,856 | 9,15,566 |
| 04. | Valve for : | | | |
| | a. LPG Cylinders | 1,70,15,200 | 1,75,13,390 | 65,11,640 |
| | b. Other Gas Cylinders. | 20,12,210 | 16,20,710 | 9,38,650 |
| | Total (a + b) | 1,90,27,410 | 1,91,34,100 | 74,50,290 |
| 05. | Low Pressure LPG Regulators. | 55,80,000 | 57,70,000 | 41,20,300 |

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 2012-13, 790 licenses were granted to cover importation of 40,047 cylinders filled with various gases/ gas mixtures & 1,55,671 numbers empty Cylinders for filling with compressed gases including empty CNG cylinders for automobiles use.

EXPORT OF CYLINDERS:

A total of 3,18,430 number filled cylinders were exported during the year 2012-13 earning Foreign exchange of Rs. 67,18,16,180/- Crores.

EXPORT OF VALVES & LPG REGULATORS :

A total of 1,30,150 numbers of valves & 1,10,600 numbers of LPG Regulators were exported during the year 2012-2013 earning Foreign exchange of Rs. 68,50,485/- & Rs.28,35,650/- respectively.

EXPORT OF COMPRESSED GAS FILLED IN CYLINDERS:

During the year 14,236 empty cylinders/containers were imported & re- exported duly filled with gas.

ANNEXURE-VIII

LIST OF MANUFACTURERS OF VALVES (Approved during 01.04.2012 to 31.03.2013)

| Sr | Name and address of the Company | Gas Service |
|-----------|--|--------------------|
| 1. | M/s C.V.K. Electricals India Pvt. Ltd. | SC Valve LPG |
| 2. | M/s Parerhat Forge | CNG Valve |
| 3. | M/s Sunrays Engineers Pvt. Ltd. | SC Valve |
| 4. | M/s Sridhar Metals Pvt. Ltd. | SC Valve |
| 5. | M/s Olympic Engineers Pvt. Ltd. | SC Valve |

ANNEXURE-IX

LIST OF MANUFACTURERS OF LPG CYLINDERS (Approved during 01.04.2012 to 31.03.2013)

| Sr. No. | Name and address of the Company |
|----------------|---|
| 1. | M/s. S.V. Engineering Works, Survey No. 264, Bonthapally Village, (Industrial Area), Jinnaram Mandal, Medak Dist.- 502 313 (A.P.) |
| 2. | M/s. Bhagwati Cylinders Private Limited, Srinivash Complex, C/o Mukesh Kumar Choudhary, Aliganj, Post Banka, Dist Banka (Bihar)-813 102 |
| 3. | M/s Saboo LPG Equipment Pvt. Ltd., Belsonda Nangaon Road, Village Belsonda, Distt. Mahasamund, Chattisgarh - 493445 |
| 4. | M/s Perfect Cylinders N Fab, Khasra No. 039, Kila No. 3, 8, 22 ft Nekpur Road, (Nr. Rawal International School) Nangla Gujran Industrial Area, Sohna Road, PO Pali, Faridabad – 121 004 (Haryana) |
| 5. | M/s Olympic Cylinders Pvt. Ltd., Plot No. 147/7/1, 44 Ft. Road, Village Rohad, Near 43 KM Milestone, District Jhajjar, Bahadur Garh – 124 507 (Haryana) |
| 6. | M/s Panam Cylinders Pvt. Ltd., Plot No.11, Bhatouli Kalan, Himuda Industrial Area, Baddi, District Solan, Himachal Pradesh-173 205 |

LIST OF MANUFACTURERS OF LPG REGULATORS (Approved during 01.04.2012 to 31.03.2013)

| Sr. No. | Name and address of the Company |
|----------------|--|
| 1. | M/s. VIPASHA ENGINEERING, B-3/11 Butibori Industrial Area, NAGPUR |
| 2. | M/s. Harsh Enterprises, Plot No. E-804, 22 Feet Road, Dabua Colony, N.I.T. FARIDABAD |
| 3. | M/s J.S. Engineering Systems, Village Lakhri Fazalpur, Mini By Pass, Delhi Road, Moradabad |
| 4. | M/s Global India 8/8, Vedvyas Puri, Industrial Area, Delhi Bypass Road, Meerut – 250 002 |

LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS

(Approved during 01.04.2012 to 31.03.2013)

| Sr. No. | Name and address of the Company |
|---------|---|
| 1. | M/s R.M. Cylinders Private Limited, Unit II 404 Vinayaka Apartments, Dr. Bhoomanna Lane, Barkatpura, HYDERABAD – 500 029 |
| 2 | M/s Econ Cylinders (P) Limited, Plot No. 4, 5 th Cross, G-Block, Autonagar, VISAKHAPATNAM – 530 012 |

LIST OF MANUFACTURERS OF VALVE

(Approved during 01.04.2012 to 31.03.2013)

| Sr. No. | Name and address of the Company |
|---------|--|
| 1. | M/s. Olympic Engineers Pvt. Ltd., Plot No. 66, Sector-6, IMT Manesar, GURGAON – 122 050 (Haryana) |
| 2 | M/s C.V.K. Electricals India Pvt. Ltd., E-2, UPSIDC Industrial Area, Sikandrabad, District Bulandshahar (UP) |
| 3 | M/s Parerhat Forge 23, Industrial Estate, Teliar Ganj, Allahabad – 211 004 |
| 4 | M/s Sridhar Metals Pvt. Ltd., N-22, Sector 3, Bawana Industrial Area, Delhi – 110 039 |

LIST OF APPROVED PRESSURE VESSEL FABRICATOR

(Approved during 01.04.2012 to 31.03.2013)

| Sr. No. | Name and address of the Company |
|---------|---|
| 1. | Multi Mech Engineers, 314/4, Vannankoil Thottam, Jayaprakash Nagar, Ganapathy, Coimbatore. |
| 2 | Acoustics India P. Ltd., 377, Rajaram Salai, K. K. Nagar, Tiruvhirapalli – 620 021 (TN) |
| 3 | Abacus Heat Transfer Ltd., D-15/4, Okhla Industrial Esate, Phase II, New Delhi – 110 020 |
| 4 | Phils Heavy Engineering P. Ltd., Harichand Textile Mills compound, LBS Marg, Vikhroli Wes, Mumbai |
| 5 | Eurrestra Industries Ltd., Plot NO. 56, Thane Belapur Road, Kalwe, Thane – 400 605. |
| 6 | Essar Heavy Engg. Services (A Unit of EPIL) 27 KM. Surat Hazira Road, Hazira Road, Surat – 394 270 |
| 7 | Mangla Steel Udyog P. Ltd., S-29, Chanakay Palace, Part II, Janakpuri, C-1, Chowk, Delhi – 110059 |
| 8 | Amtek Railcar Industires P. Ltd., Village & PO. Sadkergarh Dist. FAtehgarh Sahib – 140040 |

ANNEXURE – XII

TESTING OF PETROLEUM VESSELS IN 2012-2013

The Officers of the Organization issued **1854** gas free certificates during the year 2012-2013 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.

ANNEXURE-XIII

COURT ATTENDANCE:

During the year 2012-13, officers of the different offices in the Organization attended law courts on **51** 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
WORKING OF REFINERIES FOR THE PERIOD OF 01.04.2012 to 31.03.2013

| Sl. No. | Name of Refinery | Crude Oil Processed | Installed capacity | LPG Produced | LPG Marketed | No. of Accident | EXPORT | |
|---------|------------------------------------|---------------------|--------------------|-----------------|-----------------|-----------------|-------------------|-------------------|
| | | MMT | MMT | MMT | MMT | | Quantity (in MMT) | Value (in Crores) |
| 1. | IOCL, Digboi | 0.660 | 0.65 | 0.0082 | 0.0082 | Nil | Nil | Nil |
| 2. | IOCL, Panipat | 15.126 | 15 | 0.713 | Nil | Nil | Nil | Nil |
| 3. | IOCL, Guwahati | 0.956 | 1 | 0.0386 | 0.0385 | Nil | Nil | Nil |
| 4. | IOCL, Barauni | 6.34 | 6 | 0.396 | 0.308 | 1 | 0.994 | 4511 |
| 5. | IOCL, Haldia | 7.49 | 7.5 | 0.2177 | 0.216 | 1 | 0.470 | 0 |
| 6. | IOCL, Vadodara | 13.15 | 13.7 | 0.489 | 0.491 | 2 | 0.656 | 3807.44 |
| 7. | M/s. IOCL, Mathura | 8.56 | 8 | 0.3046 | 0.3045 | 1 | Nil | Nil |
| 8. | IOCL, Bongaigaon | 2.356 | 2.35 | 0.0512 | 0.0509 | Nil | Nil | Nil |
| 9. | HPCL, Mumbai | 7.74 | 6.5 | 0.4404 | 0.4351 | 0 | 0.67529 | 2959.40 |
| 10. | HPCL, Visakh | 8.028 | 8.3 | 0.3827 | 0.384 | 6 | 0.554 | 2134.66 |
| 11. | BPCL, Mumbai | 0 | 12 | 0.45 | 3.88 | Nil | Nil | Nil |
| 12. | Essar Oil Ltd. | 19.768 | 20 | 0.821 | 0.818 | 0 | 6.26 | 0 |
| 13. | BPCL Kochi Refinery | 10.105 | 9.5 | 0.471 | 0.467 | 1 | 0.856 | 3319.48 |
| 14. | CPCLtd., Cauvery Basin Refinery | 0.64 | 1 | 0.0198 | 0 | 0 | 0 | 0 |
| 15 | CPCL, Manali | 9.1 | 10.5 | 0.311 | 0 | 12 | 9.74 | 3510 |
| 16. | Numaligarh Refinery Ltd., Assam | 2.4780 | 3.0 | 0.047631 | 0.47576 | 0 | 0.119547 | 598.326 |
| 17. | RIL Jamnagar SEZ Refinery Division | 35.892 | 33 | 0.949 | 0.949 | 0 | 33.577 | 176668 |
| 18 | DTA Refinery Division | 32.614 | 33 | 0.764 | 0.764 | 1 | 13.267 | 63556 |
| 19. | MRPLtd. | 14.40 | 15 | 0.28089 | 0.27878 | 0 | 6.837 | 32269 |
| 20 | Bharat Oman Refinery, Bina | 5.7 | 6 | 0.182 | 0.177 | 0 | 0 | 0 |
| 21 | HPCL Mittal Energy Ltd | 4.90 | 9 | 0.476 | 0.463 | 0 | 0 | 0 |
| 22 | ONGC Ltd, Tatipaka Refinery | 0.056594 | 0.06 | 0 | 0 | 0 | 0 | 0 |
| | Total | 20.60596 | 221.06 | 7.813721 | 10.08056 | 26 | 74.00584 | 293333.3 |

Total installed capacity = 206.0596 MMT

Total Crude oil processed = 221.06 MMT

Total LPG produced = 7.8137 MMT

Total LPG marketed = 10.0805 MMT