

1.8.2018

Petroleum & Explosives Safety Organisation



Annual Report 2017-18



*O/o Chief Controller of Explosives,
A-Block, 5th Floor, CGO Complex,
Seminary Hills, Nagpur-440 006.*

Website: <http://peso.gov.in>

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INTRODUCTION

The Petroleum and Explosives Safety Organisation (PESO), formerly known as Department of Explosives, since its inception on 05/09/1898, has been serving the nation as a nodal agency for regulating safety of hazardous substances such as explosives, compressed gases and petroleum. The organisation has earned rare distinction as an institution of excellence in matters related to safety in manufacturing/refining, storage, transportation, handling and use of hazardous substances for over a century. Apart from the normal functions of enforcement of statutory safety regulations to safeguard public safety, life, property and environment, the organisation has rendered meritorious voluntary services in examination and disposal of explosives, improvised explosives devices till late eighties of the last century, some of which were of national importance encountered during freedom struggle of the country, terrorist activities in different regions in the country. Till early nineties of the last century, the officers of the organisation were carrying out anti-sabotage checks and duties related to VVIP security, Airport Security etc. The organisation has creditably rendered training to Police, Security and Intelligence personnel in detection, examination and disposal of explosives/explosive devices in a safe manner, as there was no other agency in the country to impart such trainings. The activities of the organisation, over the years has increased exponentially and expanded in diverse fields. Today the organisation deals with wide range of subjects related to explosives, petroleum, compressed gases, pressure vessels, gas cylinders, cross-country pipelines, LNG, CNG, Auto LPG, CBG, Ammonium Nitrate, flame proof electrical fittings etc.

The organisation, although small in size, compared to many other Government organizations with an existing strength of only 119 officers out of sanctioned strength of 137 officers, is the only organisation of its kind directly overseeing the safety requirements for over 3.1 lakhs hazardous units and offering expert technical and safety guidance to numerous industries and user companies, including Ministries of Defence, Railways, Shipping, Surface Transport, Environment & Forests, Civil Aviation and establishments of Atomic Energy and Space Research.

Initially, the activities of the organisation were confined to enforcement of Explosives Act (5 of 1884) involving inspection of explosives manufacturing factories, explosives storage magazines and investigation of accidents related to manufacture, storage and transportation of

explosives. Subsequently, enforcement of Petroleum Act (8 of 1899) & Petroleum Rules which came in force on 17.02.1899 and Carbide of Calcium Rules, 1987 framed under the said Act were also entrusted to the organisation. However, owing to different sets of provincial regulations prevailing in different provinces at that time, an impasse was created in effective administration of the Petroleum Act and Rules, Ammonium Nitrate Rules.

With a view to thrash out the impasse and bring uniformity in the system, the Chief Inspector of Explosives started an endeavour to frame a set of rules for all states allowing variations essential for local conditions. Finally, the Petroleum Act, 1934 was promulgated in supersession of all earlier Regulations and the Petroleum Rules, 1937 came into force with effect from 30.03.1937 replacing the earlier Central and Provincial Rules. The consolidated Carbide of Calcium Rules came into force with effect from 18.02.1987. After independence, though hazardous but useful materials like explosives, petroleum etc. found place in the Union List of the Constitution of India. Subsequently, the Petroleum Rules, 1937 were overhauled comprehensively and replaced by Petroleum Rules, 1976. The Petroleum Rules, 1976 were further reviewed and overhauled in view of changed scenario and also report of the Rajya Sabha Committee for Sub-ordinate Legislation and new rules Petroleum Rules, 2002 were brought into force with effect from 13/03/2002. Later on two amendments have been done on 02/02/2007 and 15/06/2011. In order to simplify the said rules and implement them effectively the said rules are in the process of amendment.

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

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

Inflammable Substance Act, 1952 came into force from 1952. The Gas Cylinder Rules which were originally framed in the year 1940 were replaced by comprehensive Gas Cylinder Rules, 1981. These rules were reviewed due to liberalized policy of Government of India and were simplified and replaced by new Gas Cylinder Rules, 2004 with effect from 21/08/2004. These rules were reviewed, simplified and replaced by Gas Cylinder Rules, 2016 with effect from 22/11/2016. CNG & CBG has been included in the said rules as per present requirements.

These rules were again amended by new Gas Cylinder Rules, 2018 with effect from 15/03/2018.

The Static and Mobile Pressure Vessels (Unfired) Rules, 1981 were for the first time brought in force in the country to cover safety in storage and transportation of bulk compressed gases in unfired pressure vessels. These rules have been appropriately amended to cover new fields like cryogenic liquids, Auto LPG Dispensing Stations etc and replaced by new Static and Mobile Pressure Vessels (Unfired) Rules, 2016 with effect from 01/12/2016. In order to include LNG and to make the said rules more effective, the rules are again being amended.

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

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

N.T. Shahu
Chief Controller of Explosives

BASIC ROLE AND FUNCTIONS OF THE ORGANIZATION

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

EXPLOSIVES ACT, 1884

1. Explosives Rules, 2008
2. Ammonium Nitrate Rules, 2012
3. Gas Cylinder Rules, 2016
4. Static & Mobile Pressure Vessels (Unfired) Rules, 2016
5. Notification No. GSR 625(E) dated 07.08.1983 regarding Acetylene Generator

PETROLEUM ACT, 1934

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

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

2.1 STATUTORY ROLE

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

2.1.1 EXPLOSIVES RULES, 2008

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

investigation of accidents involving explosives and also undertakes destruction of unserviceable/seized explosives in the interest of safety and security of public and property.

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

2.1.2 AMMONIUM NITRATE RULES, 2012

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

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

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

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

2.1.3 GAS CYLINDER RULES, 2016

Gas Cylinders Rules were first published in 1940 after Govt. of India Notification No. M-1272 (1), dated 28th September 1938 declaring ‘any gas when contained in any metal container in a compressed or liquefied state’ to be an explosive

within the meaning of Explosives Act, 1884. The above rules were later replaced by the Gas Cylinders Rules, 1981, after a comprehensive review in the light of the development of the gas industry after independence. The last two decades of the 20th, century witnessed massive expansion in the gas and related industries triggered by economical liberalization and globalization, use of LPG as industrial and domestic fuel, introduction of CNG and LPG as environment friendly automotive fuels, entry of new technologies, etc. necessiated another round of review and brought out the Gas Cylinders Rules, 2004. These rules were again reviewed due to liberalized policy of Government of India, were simplified and replaced by new Gas Cylinder Rules, 2016 with effect from 22/11/2016. CNG & CBG have been amended in the said rules as per present requirements.

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

Salient features of Gas Cylinders Rules, 2016 with respect to deregulation and simplification of rules-

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

2.1.4 STATIC & MOBILE PRESSURE VESSELS (UNFIRED) RULES, 2016

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

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

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

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

2.1.6 PETROLEUM RULES, 2002

Petroleum has been defined under the Act and Rules as liquid hydrocarbon or a mixture of liquid hydrocarbons and any inflammable mixture containing liquid hydrocarbons. The work relating to administration of these rules covers approval of Refineries, Petrochemicals/Oil & Gas Processing Plants, transport of petroleum by land and pipeline, Flameproof and other suitably protected electrical apparatus and other safety equipments for use in areas laden with flammable gases and vapours, licensing of petroleum dispensing/service station, petroleum storage installations, tank trucks for transportation of petroleum by road, aircraft/heavy machinery refueller and also issuance of Certificate of Gas Free in respect of Vessels/Ships carrying petroleum for dock entry, man entry and hot work.

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

2.1.7 CALCIUM CARBIDE RULES, 1987

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

2.1.8 CINEMATOGRAPHY FILM RULES, 1948:

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

2.2 ADVISORY ROLE

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

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

ACTIVITIES OF THE ORGANIZATION IN BRIEF

3.1 Scrutiny and appraisal of site layouts and construction plans for;

- Explosives manufacturing factories
- Explosives storage premises
- Ammonium nitrate premises
- Fireworks manufacturing factories
- Fireworks magazines/store houses and shops
- Manufacture of explosives at site in Bulk Mixing and Delivery [BMD] Vehicles.
- Gas cylinder filling plants
- CNG dispensing Stations
- Storage Sheds for filled gas cylinders
- Bulk Storage installations for compressed gases in pressure vessels
- Auto LPG dispensing stations
- Petroleum storage installations
- Petroleum storage sheds
- Petroleum tank trucks for transportation of petroleum
- Petroleum cross-country pipelines for transportation of petroleum and gas
- Petroleum Service Stations.
- Calcium Carbide storage premises.

3.2 Scrutiny and appraisal of proposals for approval of design and construction of explosives vans, Bulk Mixing and Delivery vehicles (BMD) for site manufacture of explosives, vehicles for transport of bulk compressed gases/cryogenic liquids in pressure vessels, petroleum containers and tank trucks including its safety fittings.

3.3 Licensing of the premises/units/vehicles referred to under 3.1 & 3.2 above.

3.4 Scrutiny and appraisal of layout etc. of Petroleum Refineries, Petrochemical units, Calcium Carbide premises and Acetylene Gas generating plants for grant of approval thereof.

3.5 Scrutiny and appraisal of proposals of design, construction, laying and operation of pipelines for transport of liquid hydrocarbons as well as other flammable gases/hazardous chemicals grant of approval thereof.

3.6 Scrutiny and appraisal of proposals of designs of pressure vessels and their fittings both manufactured in India and imported for grant of approval thereof.

- 3.7** Scrutiny and appraisal of proposals of design of Gas Cylinders and valves fitted there to manufactured in India and imported for grant of approval thereof including LPG cylinder Regulator.
- 3.8** Scrutiny and appraisal of proposals of flameproof, intrinsically safe and special electrical equipments suitable for use in hazardous areas laden with flammable gases/vapors, both manufactured indigenously and also imported for grant of approval thereof.
- 3.9** Scrutiny and appraisal of proposals of factories fabricating pressure vessels and its fittings for grant of approval thereof.
- 3.10** Scrutiny and appraisal of proposals of testing stations for periodic examination and testing of cylinders for grant of recognition to the cylinder testing station.
- 3.11** Recognition of competent persons and inspectors under various Rules.
- 3.12** Issue of shot firer's permit & foreman's certificate.
- 3.13** Regular safety audit of the units mentioned above.
- 3.14** Destruction of deteriorated and unclaimed/unserviceable/seized explosives.
- 3.15** Examination of petroleum tanks in sea going vessels/ships for issuing gas free certificates for allowing hot work, entry of man in such tanks and entry of such vessels in docks.
- 3.16** Technical investigation of accidents related to the substances coming under the purview of the Acts and Rules administered by the organization for ascertaining causes of accident and violations.
- 3.17** Scrutiny and appraisal of proposals to import, export and transport explosives for grant of licence thereof.
- 3.18** Authorization of new explosives after mandatory tests and trials.
- 3.19** Grant of permission for filling/use of gas cylinders imported from abroad and manufactured in India.
- 3.20** Grant of licence/permit for import of cylinders & pressure vessels.
- 3.21** Scrutiny of periodic returns under various Rules.
- 3.22** Review & amendment of rules and grant of exemption/relaxation wherever necessary in Public interest.
- 3.23** Advising on request to Port, Airport and Railway/authorities on –
- Classification of hazardous substances;
 - Packing and determination of conditions for storage/transport of dangerous substances;
 - Siting and layout of facilities for the loading/unloading and transit storage of explosives, flammable and other dangerous substances.
- 3.24** Examination/testing of explosives/hazardous substances for classification of hazard.

- 3.25** Advising the Central and State Governments, the Industry and various organizations on matters relating to the handling of explosives, flammable and other dangerous substances, and the requirements of the Acts and Rules referred to above whenever asked.
- 3.26** Participation as Chairman or member in various committees appointed by the Ministry of Defence, Bureau of Indian Standards and other Ministries and Departments.
- 3.27** Participation in symposiums, seminars, workshops organized by various organizations relating to safety in handling of hazardous chemicals, petroleum products, explosives and compressed gases.

ADMINISTRATION, BUDGET AND INFRASTRUCTURE

4.1 STRENGTH AND INFRASTRUCTURE

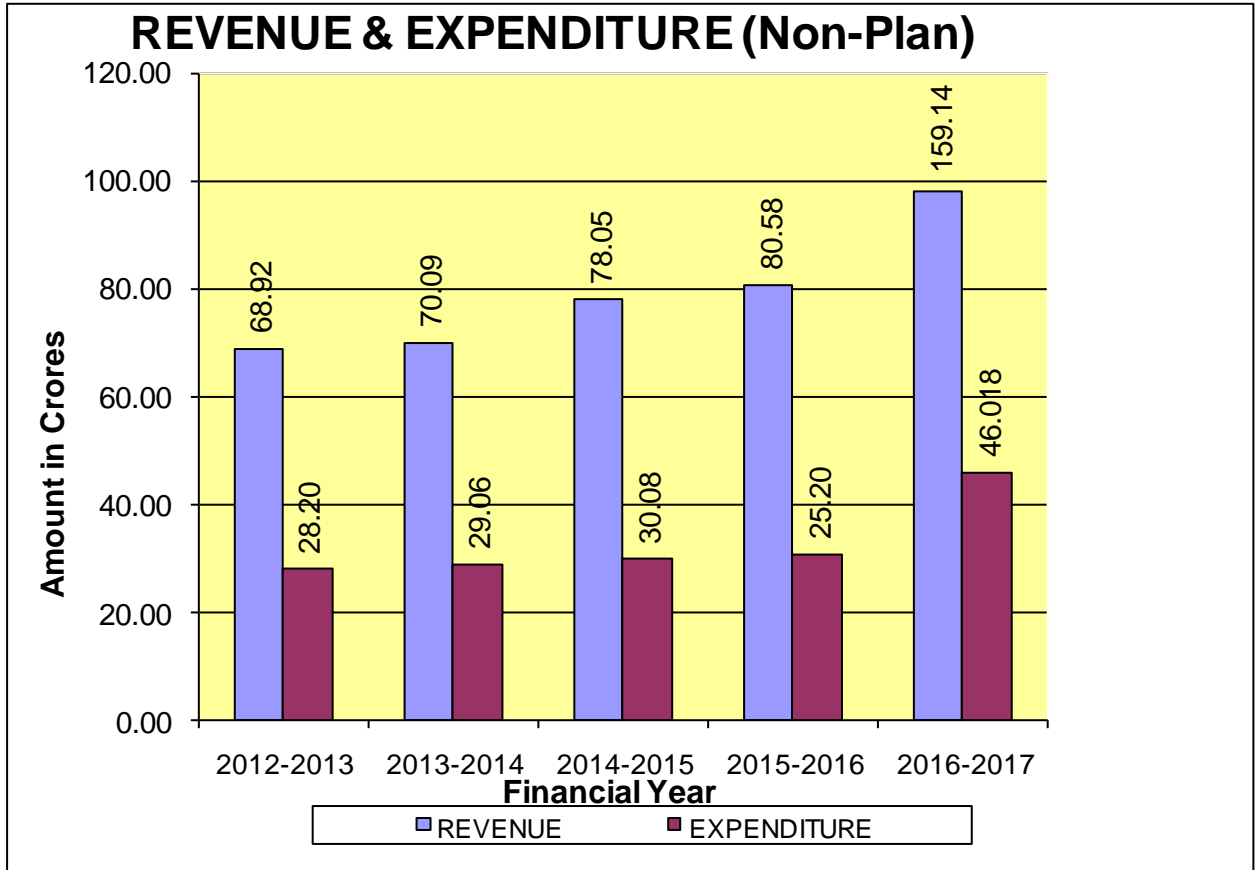
The sanctioned strength of the organization at present is **137** Group 'A' officers and **343** Group 'B' and 'C' officials. Out of the above, **114** posts of Group 'A' and **265** Group 'B' and 'C' officials are lying vacant due to various administrative procedures and reasons. The Petroleum and Explosives Safety Organization (PESO) is headed by the Chief Controller of Explosives with its headquarter at Nagpur and there are 5 Circle Offices located at Mumbai, Chennai, Kolkata, Faridabad and Agra each is headed by the Jt. Chief Controller of Explosives. The organizations has **18** Sub-Circle Offices under various Circle Offices and are headed by the Dy. Chief Controller of Explosives and 5 Sub-Circle offices under various Circle Offices and are headed by the Controller of Explosives. The Departmental Testing Station (DTS) situated at Gondkhairi, Nagpur is headed by Dy. Chief Controller of Explosives and Fireworks Research and Development Centre (FRDC) situated at Sivakasi (Tamilnadu) is headed by Controller of Explosives. The organizational set up and jurisdiction of various circle and sub circle offices is summarized in annexure-I and II respectively.

4.2 BUDGET & EXPENDITURE

During the year 2017-18 (B.E.), budget granted for establishment was Rs. 37,88,00,000 and upgradation of organization was Rs. 9,73,59,000 During the year, the expenditure for establishment was Rs 37,51,80,945 and upgradation of organization was Rs.8,66,55,434.

4.3 REVENUE

During the year 2017-18, the organization earned revenue of Rs 159,14,25,465/- on account of fees for the services rendered under various acts and rules which includes Rs. 125,00,50,189/- under Explosives Act and Rs. 34,13,75,276/- under Petroleum Act.



**NATIONAL ACADEMY FOR PETROLEUM AND EXPLOSIVES SAFETY AND TESTING STATION
& FIREWORKS RESEARCH AND DEVELOPMENT CENTRE (FRDC)**

5.1 NATIONAL ACADEMY FOR PETROLEUM AND EXPLOSIVES SAFETY AND TESTING STATION

(1) INTRODUCTION

National Academy for Petroleum & Explosives Safety and Testing Station of the Petroleum and Explosives Safety Organization, has been set up for carrying out necessary statutory tests for administration of Explosives Act, 1884 and Petroleum act, 1934 and Rules framed there under. It functions under the overall guidance and control of Chief Controller of Explosives, Nagpur.

(2) ROLE AND FUNCTION OF NAPES & TS:-

(a) Statutory Tests:-

Statutory tests for implementation of Explosives Act, 1884 and Petroleum Act 1934 are carried out as below:

| Sr. No. | Rules | Purpose of Test |
|---------|---------------------------------------|--|
| | Explosives Rules 2008 (Rule 6 and 39) | <ul style="list-style-type: none"> - authorization of new explosive compositions, - subsequent tests for deciding about deletion or otherwise from list of explosives - Testing for approval of packages of explosives, and annual quality control testing. |
| | Petroleum Rule, 2002 (Rule 63 and 4) | <ul style="list-style-type: none"> - approval of design of safety fittings of petroleum tank lorry, - Subsequent test for deciding revalidation of manufacturing approval, - Approval of metal containers/barrels of Petroleum. |

- (b) Inspection of licensed and other premises under Explosives Act and Petroleum Act and the rules administered under said acts in the District of Amravati and Nagpur.
- (c) Grant of licenses for road van and export containers for export of explosives.
- (d) Grant of Shot Firer's Permit
- (e) Conducting training programmes for officers and staff members of the PESO & Stake Holders.

(3) TESTING OF SAMPLES BY DTS:-

- (a) Gas Free Certificate:- Nil
- (b) No. of samples tested for issuance of certificate in form 1 under ER- 2008

PETN

- 3541 Batches

(c) Testing under Explosives Rules 2008 & Petroleum Rules 2002

1) Testing of explosives:-

| | | | |
|-------|--|---|----------|
| i) | Explosives Class 1 (Gun Powder) | - | 07 |
| ii) | Explosives Class 2 | - | 208 |
| iii) | Explosives Class 3 Div 2 | - | 16 |
| iv) | Explosives Class 6 Div 1 (Safety Fuse) | - | 04 |
| v) | Explosives Class 6 Div 2 (Detonating Fuse) | - | 50 |
| v) | Explosives Class 6 Div 3 (Detonators) | - | 241 |
| vii) | Explosives Class 7 (Fire Works) | - | 365 |
| viii) | Explosives Class 7 (Fire Works) | - | 03 |
| ix) | Testing of packages of explosives and fireworks- | | |
| | i) Samples for new approval | - | 21 Nos. |
| | ii) Samples drawn by circle/sub circle offices | - | 138 Nos. |
| x) | Safety Fittings | - | 40 Nos. |
| | Containers / Barrel | - | Nil |

(d) UN Classification Test - Nil

(e) Authorization of Explosives: -

(f) Shot Firer's
 a. Certificate Granted -- 13 Nos.

(g) Police Exhibit Cases:-
 Received cases - 2
 Attended cases - 2

(h) Inspections:-
 (a). Premises covered under licence

| Under Explosives Act, 1884 | No. of premises inspected during the period from April, 2016 to 31 March, 2017. |
|-----------------------------------|---|
| (i) Explosives Rules,2008 | |
| Category A | 21 |
| Category B | 22 |
| Category C | 540 |
| (ii) Ammonium Nitrate Rules, 2012 | - |

| | |
|--------------------------------------|------------|
| (iii) GCR-2004 Category-A | |
| Category B | 3 |
| Category C | 68 |
| (iv) SMPV (U) Rules,1981 Category-A | 1 |
| Category B | 5 |
| Category C | 6 |
| TOTAL (1) | 666 |
| Under Petroleum Act, 1934 | |
| (i) Under Pet. Rules 2002 | |
| Category A | - |
| Category B | 1 |
| Category C | 2 |
| (ii) Calcium Carbide Rules | - |
| (iii) Cinematography Film Rules 1948 | - |
| TOTAL (2) | 3 |
| Total (1) + (2) | 669 |

(4) **AD
MINISTRATION,
BUDGET,
REVENUE,
EXPENDITURE &
INFRASTRUCTURE:-**

| Head | Budget Allocation (in Rupees) | Total Expenditure |
|--------------|-------------------------------|----------------------|
| Salary | 1,40,50,000/- | 1,40,41,295/- |
| O.E. | 38,00,000/- | 37,20,204/- |
| T.E. | 1,00,000/- | 97,940/- |
| RRT | - | - |
| Minor Works | 64,25,000/- | 61,05,917/- |
| Plan | - | - |
| Wages | - | - |
| Medical | 2,95,000/- | 2,94,658/- |
| OTA | - | - |
| Publication | 20,000/- | - |
| Total | 2,46,90,000/- | 1,86,60,698/- |

Total Revenue received - Rs. 79,90,485/-

Total Receipts - 1115

Total Dispatch - 1371

(5) **HUMAN RESOURCES IN THE NAPES & TS:-**

- (a) The following officers and staff members were deputed to attend and got benefited by following training program.

| Sl. No | Name of officer | Design. | Organized By | Topic | Duration of Course | | Place | Type of Training /Seminar |
|--------|-----------------|---------|--------------|-------|--------------------|---|-------|---------------------------|
| - | - | - | - | - | - | - | - | - |

(6) **Highlights of the year -**

- The secretary, Department of Industrial Policy & Promotion has approved proposal for creation of “**National Academy of Petroleum & Explosives Safety (NAPES) & Testing Station**”.at the existing DTS, Gondkhairy, Nagpur vide DIPP’s letter No. 17(70)/2016-Expl dated 13/06/2017.
- Training calendar for the year 2017-2018 has been launched by Shri N.T. Shahu, Jt. Chief Controller of Explosives(HOD) on the eve of Republic Day during the year 2017-2018 conducted during the year total 24 training programme were conducted successfully for the officers, staff and stake holders.
- A revenue of **Rs. 79,90,485/-** have been collected towards testing fees.
- Officers of this office worked as a member of team constituted by District Magistrate, Nagpur under National Green Tribunal Order for joint inspection of fireworks shops and collection and testing of fireworks for sound level test and submitted report to District Magistrate, Nagpur.

- **Training Programmes Conducted :-**

- 1) Training programme on “Safe Handling of Cylinders and Maintenance of LPG Godowns” for the dealers from Wardha & Yeotmal Distirct on 04/04/2017 at NAPES & TS.
- 2) Training programme on “Safety during Handling and Transportation of Explosives” for explosives van drivers connected to explosive facotiries in Nagpur and Warha District on 07/04/2017 at NAPES & TS.
- 3) “Capacity Building Programme” for Dy. Controller of Explosives from 24/04/2017 to 29/04/2017 at NAPES & TS.
- 4) Training programme for Shot Firer’s in the District of Nagpur on “Safe Handling of Explosives during Blasting Operations” on 19/05/2017 at NAPES & TS.
- 5) “Capacity Building Programme” for Controller of Explosives from 22/05/2017 to 24/05/2017 at NAPES & TS.
- 6) Training programme for Shot Firer’s in the District of Amravati on “Safe Handling of Explosives during Blasting Operations” on 09/06/2017 at NAPES & TS.
- 7) Training programme for LPG Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum Products” connected to LPG Bottling Plants of M/s. IOCL, HPCL and BPCL of Maharashtra on 07/07/2017 at NAPES &TS.
- 8) Training programme for Petroleum retail outlets (RO) Managers, Supervisors and Electrical Contractors in the District of Nagpur on “Safe Practices in Handling of Petroleum in Retail Outlets during Loading / Unloading and Delivery of Petroleum” on 21/07/2017 at NAPES & TS.
- 9) Training programme for Petroleum Retail Outlets (RO) Managers, Supervisors and electrical contractors in the District of Amravati on “Safe Practices in Handling of Petroleum in Retail Outlets during Loading / Unloading and Delivery of Petroleum” on 28/07/2017 at NAPES & TS.
- 10) Training programme for Petroleum Retail Outlets (RO) Managers, Supervisors and Electrical Contractors in the District of Chandrapur on “Safe Practices in Handling of Petroleum in Retail Outlets during Loading / Unloading and Delivery of Petroleum” on 11/08/2017 at NAPES & TS.

- 11) Training programme for Petroleum Retail Outlets (RO) Managers, Supervisors and Electrical Contractors in the District of Wardha on “Safe Practices in Handling of Petroleum in Retail Outlets during Loading / Unloading and Delivery of Petroleum” on 18/08/2017 at NAPES & TS.
- 12) Training programme for Petroleum Retail Outlets (RO) Managers, Supervisors and Electrical Contractors in the District of Bhandara & Gondia on “Safe Practices in Handling of Petroleum in Retail Outlets during Loading / Unloading and Delivery of Petroleum” on 31/08/2017 at NAPES & TS.
- 13) Training programme on “Safety during Handling & Transportation of Explosives for Drivers of Explosives Road Van connected to explosives factories in Nagpur and Wardha District on 08/09/2017 at NAPES & TS.
- 14) Workshop on “RTI Act” for PESO CPIO on 18/09/2017 at NAPES & TS.
- 15) Workshop on “Safety Regulations on Safe Handling & Storage of Fireworks during Festival Season” for Fireworks Dealers and Shop Owners, Police and District Authority officials in the District of Nagpur & Amravati on 06/10/2017 at NAPES & TS.
- 16) Workshop on “Safety Regulations on Safe Handling & Storage of Fireworks during Festival Season” for Fireworks Dealers and Shop Owners, Police and District Authority officials in the District of Bhandara and Gondia on 13/10/2017 at NAPES & TS.
- 17) Workshop on “Safety Regulations on Safe Handling & Storage of Fireworks during Festival Season” for fireworks dealers and shop owners, police and District Authority officials in the District of Wardha and Chandrapur on 17/10/2017 at NAPES & TS.
- 18) Training programme for Petroleum Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum products” connected to Depots of M/s. IOCL, HPCL and BPCL of Maharashtra on 17/11/2017 at NAPES & TS.
- 19) Training programme for explosives dealers in the district Nagpur & Amravati on “Provision of Explosives Rules, 2008 and Online Generation of LE-7, RE-11, RE-12 & RE-13 on 21/12/2017 at NAPES & TS.
- 20) Training programme for LPG Tank Lorry of Drivers on “Safe Handling & Transportation of Hazardous Petroleum Products” connected to LPG Bottling Plants of M/s. IOCL, HPCL and BPCL of Maharashtra on 22/12/2017 at NAPES & TS.
- 21) “Capacity Building Programme” for Dy. Chief Controller of Explosives from 17/01/2018 to 19/01/2018 at NAPES & TS.
- 22) Workshop for DDO & Accounts / Concerned Staff of PESO on “Online Transaction of Payments through PFMS, e-Tendering and Purchase through Gem Portal” from 01/02/2018 to 02/02/2018 at CCE, Nagpur & NAPES & TS Respectively.
- 23) Training programme on “Safety during Handling of Transportation of Explosives for the Drivers of BMD Vehicles” connected to explosives factories in Nagpur, Wardha and Chandrapur Districts of Maharashtra and Chhattisgarh State on 19/03/2018 at NAPES & TS.

24) Training programme for “Competent Persons and Supervisors” working in explosives factories in the District of Nagpur, Wardha and Chandrapur of Maharashtra and Chhattisgarh State on “Safety Regulations during Manufacture, Storage, Transport and Handling of Explosives” on 20/03/2018 at NAPES & TS.

(7) **FIELD WORKS AND CO-ORDINATION INCLUDING VISITS, MEETINGS, LECTURERS, COURT ATTENDANCE AND COMMITTEES ETC :-**

Lectures Delivered

- 1) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Handling of Cylinders and Maintenance of LPG Godowns” at NAPES & TS during the training programme conducted on 04/04/2017 for LPG Dealers from the District of Wardha & Yeotmal.
- 2) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety during Handling & Transportation of Explosives” at NAPES & TS During the training programme conducted on 07/04/2017 for Explosives Van Drivers in the District of Nagpur & Wardha.
- 3) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “RTI Act,2005” at NAPES & TS on 25/04/2017 during the training programme on Capacity Building Programme for Dy. Controller of Explosives from 24/04/2017 to 29/04/2017 at NAPES & TS.
- 4) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “CCS Conduct Rules” at NAPES & TS on 26/04/2017 during the training programme on Capacity Building Programme for Dy. Controller of Explosives from 24/04/2017 to 29/04/2017 at NAPES & TS.
- 5) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Maintenance of Explosives Magazines, Fireworks Shop & Testing of Explosives” at NAPES & TS on 28/04/2017 during the training programme on Capacity Building Programme for Dy. Controller of Explosives from 24/04/2017 to 29/04/2017 at NAPES & TS.
- 6) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Handling of Explosives During Blasting Operations” at NAPES & TS for Shot Firer’s of Nagpur District on 19/05/2017.
- 7) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Role & Function of PESO and NAPES & TS and also safe Handling of Explosives” at NAPES & TS for the trainee officers of Military from Jabalpur on 24/05/2017.
- 8) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Handling of Explosives During Blasting Operations” at NAPES & TS for Shot Firer’s of Amravati District on 09/06/2017.
- 9) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Handling & Transportation of Hazardous Petroleum Products” at NAPES & TS for LPG Tank Lorry Drivers connected to M/s. HPCL, BPCL and IOCL on 07/07/2017.
- 10) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Practices in Handling of Petroleum in Retail Outlet During Loading / Unloading and Delivery of Petroleum” at NAPES & TS for Managers / Supervisors/ Electrical Contractors of Retail Outlet of Nagpur District on 21/07/2017.

- 11) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Practices in Handling of Petroleum in Retail Outlet During Loading / Unloading and Delivery of Petroleum” at NAPES & TS for Managers / Supervisors/ Electrical Contractors of Retail Outlet of Amravati District on 28/07/2017.
- 12) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Practices in Handling of Petroleum in Retail Outlet During Loading / Unloading and Delivery of Petroleum” at NAPES & TS for Managers / Supervisors/ Electrical Contractors of Retail Outlet of Chandrapur District on 11/08/2017.
- 13) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Practices in Handling of Petroleum in Retail Outlet During Loading / Unloading and Delivery of Petroleum” at NAPES & TS for Managers / Supervisors/ Electrical Contractors of Retail Outlet of Wardha District on 18/08/2017.
- 14) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safe Practices in Handling of Petroleum in Retail Outlet During Loading / Unloading and Delivery of Petroleum” at NAPES & TS for Managers / Supervisors/ Electrical Contractors of Retail Outlet of Bhandara & Gondia District on 31/08/2017.
- 15) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety During Handling & Transportation of Explosives” at NAPES & TS for Drivers of Road Van connected to Explosives Factories in Nagpur & Wardha Districts on 08/09/2017.
- 16) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety During Handling & Transportation of Explosives” at NAPES & TS for Drivers of Road Van connected to Explosives Factories in Nagpur & Wardha Districts on 22/09/2017.
- 17) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety Regulation on Safe Handling & Storage of Fireworks During Festival Seasons” at NAPES & TS for Fireworks Dealers and Shop Owners, Police & District Authority Officials in Nagpur & Amravati Districts on 06/10/2017.
- 18) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety Regulation on Safe Handling & Storage of Fireworks During Festival Seasons” at NAPES & TS for Fireworks Dealers and Shop Owners, Police & District Authority Officials in Bhandara & Gondia Districts on 13/10/2017.
- 19) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety Regulation on Safe Handling & Storage of Fireworks During Festival Seasons” at NAPES & TS for Fireworks Dealers and Shop Owners, Police & District Authority Officials in Wardha & Chandrapur Districts on 17/10/2017.
- 20) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety Handling & Transportation of Hazardous Petroleum Products” at NAPES & TS for Petroleum Tanker Drivers connected to Depot of M/s. HPCL, BPCL and IOCL on 17/11/2017.
- 21) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Provision of Explosives Rules, 2008 and Online Generation of RE-7, RE-11, RE-12 & RE-13” at NAPES & TS for Explosives Dealers of Nagpur & Amravati District on 21/12/2017.
- 22) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Safety Handling & Transportation of Hazardous Petroleum Products” at NAPES & TS for Petroleum Tanker Drivers connected to Depot of M/s. HPCL, BPCL and IOCL on 22/12/2017.

- 23) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Purchase Through GEM Portal” at NAPES & TS during training programme for DDO’s & Accountants / Concerned Staff of PESO on 02/02/2018.
- 24) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Maintenance of Explosives Magazine & Stock Registers” at NAPES & TS during training programme for Competent Persons and Supervisors Working in Explosives Factory in Maharashtra & Chhattisgarh State on 23/02/2018.
- 25) Shri A.B. Tamgadge, Controller of Explosives has delivered lecture on “Maintenance of Explosives Magazine & Stock Registers” at NAPES & TS during training programme for Competent Persons and Supervisors Working in Explosives Factory in Maharashtra & Chhattisgarh State on 20/03/2018.
- 26) Shri J.N. Mishra, Dy. CE has delivered lecture on “Shot Firer’s” at DTS during training programme for District Amravati & Nagpur on 09/06/2017.
- 27) Shri J.N. Mishra, Dy. CE has delivered lecture on “Demonstrate Explosives Blasting and delivered lecture role and function of DTS on 13/06/2017 39 nos. of trainees’ from NCDC, Nagpur.
- 28) Shri J.N. Mishra, Dy. CE has delivered lecture on “Demonstrate Explosives Blasting and delivered lecture role and function of DTS on 05/09/2017 39 nos. of trainees’ from NCDC, Nagpur visit at DTS. Shri J.N. Mishra, Dy. CE has delivered lecture on “Demonstrate Explosives Blasting and delivered lecture role and function of DTS on 13/06/2017 39 nos. of trainees’ from NCDC, Nagpur.
- 29) Shri J.N. Mishra, Dy. CE has delivered lecture on “Demonstrate Explosives Blasting and delivered lecture role and function of DTS on 04/01/2018 39 nos. of trainees’ from NCDC, Nagpur.

(8) Meetings

- 1) Shri A.B. Tamgadge, Controller of Explosives has attended CHD-26 meeting at Chief Controller of Explosives office, Nagpur on 05/04/2017.
- 2) Shri A.B. Tamgadge, Controller of Explosives has attended meeting on fireworks in connection with order of High Court, Chennai regarding fireworks storage shed Nox & Sox emission level at Chief Controller of Explosives office on 20/04/2017.

(9) Accident Investigation :-

- Shri J.N. Mishra, Dy. CE has investigated a fire and explosion of accident which occurred in Fuse Dipping and Soldering Building of M/s. AMA Industries Pvt. Ltd, Village-Dhaga, District Nagpur occurred on 09/05/2017 and the preliminary report on investigation submitted to the Chief Controller of Explosives, Nagpur.
Outside building gutted into the fire. Injured – 2 persons / killed – Nil in the fire accident.
- Shri J.N. Mishra, Dy. CE has investigated fire accident which occurred in Slurry Explosives Manufacturing Building No. 9 of M/s. Keltech Energies Limited, Village-Garamsur, District Nagpur

occurred on 01/02/2018 and the preliminary report on investigation submitted to the Chief Controller of Explosives, Nagpur.

Outside building gutted into the fire. Nobody Injured / killed in the fire accident.

(10) VIGILANCE ACTIVITIES

Vigilance Awareness Week observed and pledge in Hindi & English was taken by all officers and staff members of NAPES & TS.

STAFF POSITION :-

Staff position given number of posts sanctioned and those lying vacant as on 31/03/2018 is given below:-

| Category of post with scale of pay | Sanctioned | No. of Posts | | Remark |
|------------------------------------|------------|--------------|-----------|--|
| | | Filled | Vacant | |
| 1 | 2 | 3 | 4 | 5 |
| Dy. Chief Controller of Explosives | 1 | 1 | - | |
| Controller of Explosives | 2 | 1 | 1 | |
| Dy. Controller of Explosives | 3 | 1 | 2 | |
| Senior Technical Assistant | 4 | 4 | - | |
| ASSISTANT | 1 | 1 | - | |
| STENO II | 1 | 1 | -- | |
| Junior Technical Assistant | 6 | 3 | 3 | - |
| Accountant | - | 1 | - | Shri A.D. Bawane, Accountant transferred along with post from the Jt. CCE, Agra. |
| STENO III | - | - | - | |
| Upper Division Clerk | 2 | 2 | - | |
| Lower Division Clerk | 4 | 1 | 3 | |
| DRIVER | 1 | 1 | - | |
| GROUP D | 6 | 2 | 4 | |
| TOTAL | 31 | 19 | 13 | |

(14) (A) DESTRUCTION OF EXPLOSIVES:-

SAMPLE REMNANT AT NAPES & TS.

| Name | Class | Division | Total Quantity |
|--------------------|-------|----------|----------------|
| Class-2 Explosives | 2 | - | Nil |
| Gun Powder | 1 | - | 1.80 Kgs. |

| | | | |
|---------------------|---|---|-----------|
| Cast Booster | 3 | 2 | Nil |
| Safety Fuse | 6 | 1 | 25 Mtrs |
| Detonating Fuse | 6 | 2 | 1080 Mtrs |
| OD,ED,DD, Nonel, SD | 6 | 3 | Nil |
| Fireworks | 7 | 3 | 35 Kgs. |

(B) **DESTRUCTION OF EXPLOSIVES:-**

Destruction of Unserviceable Explosives lying at licensees magazines

| Name | Class | Division | Total Quantity |
|--------------------|---------|----------|----------------|
| Class-2 Explosives | Class-2 | - | 3351.5 Kgs. |
| Safety fuse | Class-6 | 1 | - |
| Detonating Fuse | Class-6 | 2 | - |
| Detonator | Class-6 | 3 | 50 Nos. |
| Fireworks | Class-7 | 2 | - |

(15) **PRODUCTION FIGURE OF EXPLOSIVES:-**

| Sr. No. | Class of Explosives | Quantity | Unit |
|---------|---------------------|------------|--------|
| 1 | Class-1 | 331.6095 | MT |
| 2 | Class-2 | 205708.753 | MT |
| 3 | Class-3 | 1320.269 | MT |
| 4 | Class-6/1 | 383.866994 | MT |
| 5 | Class-6/2 | 164.6776 | Meter |
| 6 | Class-6/3 | 179.71184 | M Nos. |
| 7 | Class-7 | 22769 | Kgs. |
| 8 | PETN | 2829.39 | MT |
| 9 | TNT | 384.915 | MT |
| 10 | HMX | 67.472 | MT |
| 11 | RDX | 43.389 | MT |
| 12 | Bulk | 2483 | MT |

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

5.2 FIREWORKS RESEARCH & DEVELOPMENT CENTER (FRDC)

I. INTRODUCTION :

Fireworks Research and Development centre, Primarily a Research and development Centre was initiated in year 2007 with objective of performing R& D activities to promote Indian fireworks Industry in the field of safety. It was inaugurated on 14.07. 2011with facilities of chemical and physical laboratory, chemical store room and training centre with library.

II. HISTORY:

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

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

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

PESO had classified the fireworks into sound emitting crackers and color/ light emitting crackers and revised the authorized list of fireworks items, in compliance to the directives of Apex Court. The same has been published by Department of Industrial Policy and Promotion (DIPP) Ministry of Commerce & Industry, New Delhi; Vide GSR No. 225 dated 06/09/2006 in the Gazette of India, Part-II, Section 3, Sub-section (i). PESO has developed compositions for sound producing firecrackers to be within the limits prescribed by environment norms; with the technical assistance

of MEPCO Schlenk Engineering College, Sivakasi (TN). This chemical formulae specify the proportion/composition as well as maximum permissible weight of every chemical used in manufacture of four commonly used sound producing firecrackers viz., (a) Atom Bomb, (b) Chinese Crackers, (c) Maroons & (d) Garland crackers with specific reference to its shape, size, dimensions and confinement, so as to satisfy the requirements laid down under Govt. of India Notification No. GSR 682(E) dated 05/10/99.

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

III. FUNCTIONS OF FRDC :

The FRDC is entrusted with the following activities:

1. Development and Standardization of fireworks products.
2. Authorization of fireworks items.
3. Testing of Raw material used in fireworks industry.
4. Mechanization of hazardous process in fireworks industry.
5. Imparting training to supervisors and workers of fireworks factories.
6. Testing of general performance and sound level of fireworks.
7. Improvement of quality control and quality assurance.
8. Investigation of Accidents.

IV. TESTING OF SAMPLES & REVENUE GENERATION

TESTING OF SAMPLES for year 2017-18:

No of fireworks samples drawn: 101

No of factories from where samples are drawn: 27

No of samples passed: 72

No of samples failed: 29

Revenue Received: 19,750

* 22 samples drawn during deepawali inspection drive.

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

| Sr.No. | Year | No. of Samples collected | Revenue Received (In rupees) |
|---------------|-------------|---------------------------------|---|
| 1 | 2013-2014 | 1701 | 3, 40,200.00 |
| 2 | 2014-2015 | 2121 | 5, 77,800.00 |
| 3 | 2016-2017 | 1477 | 4, 00,050.00 |
| 4 | 2016-2017 | 185 | 47,750.00 |
| 5 | 2017-2018 | 101 | 19,750.00 |

V. Other Activities:

- a) Analysis and report preparation of the samples received from the accident site by the officers of Dy.CCE, Sivakasi office.
- b) Chemical analysis of samples collected by inspecting officers for presence/absence of red lead and other prohibited chemicals etc.
- c) Fourteen Nos. of display fireworks items of Kerala received from Shri. Sreenivasan and Shri. Saji P. for the authorization were tested for various parameters at FRDC and reports were forwarded to competent authority viz. CCE, Nagpur for further necessary action in the year 2017.

VI. VISITS/MEETINGS/SEMINARS/LECTURES :

- 1) Sh. Janardan Kumar, Controller of Explosives, FRDC, Sivakasi delivered a lecture on "FRDC Activities" at conference hall in FRDC to newly joined Deputy Controller of Explosives on 05/05/17.
- 2) Sh. Janardan Kumar, Controller of Explosives, FRDC, Sivakasi delivered a power point presentation on "Safety In Fireworks Manufacturing" at CII Madurai on 20/06/17.
- 3) Sh. Janardan Kumar, Controller of Explosives, FRDC, Sivakasi delivered a power point presentation on "Role Of Fireworks On Noise Pollution Associated To FW And How To Mitigate It" at Ayya Nadar Janki Ammal College, Sivakasi on 03/07/17.
- 4) Sh. Janardan Kumar, Controller of Explosives, FRDC, Sivakasi attended supreme court for writ petition © no.728/2015. Arjun Gopal & others vs. UOI & others on 31/07/2017.
- 5) Sh. Janardan Kumar, Controller of Explosives, FRDC, Sivakasi has attended training workshop on Emotional Intelligence at ISTM, New Delhi from 02/08/17 - 04/08/17.

e-GOVERNANCE

The Information Technology has become a very important tool for providing hassle free and quality services by an organisation to its stakeholders. This technology is not only saving time but also providing additional information to the stakeholders. Petroleum and Explosives Safety Organisation (PESO) has adopted the IT tools and made extraordinary progress in the field of e-Governance and providing quality services to the stakeholders with a motto to provide better and uninterrupted e-services to its stakeholders who are directly or indirectly involved with PESO.

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

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

Initiatives taken by PESO for Ease of Doing Business

(a) Introduction of e-filing and online fee payment facilities under Petroleum Rules, 2002, Gas Cylinders Rules, 2016, Static and Mobile Pressure(U) Rules,2016, Explosives Rules, 2008 and Ammonium Nitrate Rules, 2012 to the stakeholders.

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

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

Integration with e-Nivesh Portal of Prime Minister office:

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

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

Online Explosives Returns System (ERS) was developed and implemented long back to monitor the transaction of explosives through out the supply chain. This system enables all the licence holders under Explosives Rules, 2008 to carry out their transactions viz. manufacturing, sale, use, transport, export, import and destruction using the online portal of PESO on day-to-day basis. The indent for purchase of explosives, transport passes and other returns as required under Explosives Rules, 2008 are generated by the respective licensee through the PESO's online ERS portal. Many additional facilities have been added to the system to make this system more user friendly. ERS system has following unique features;

- (a) in-built facilities of generating SMS alerts and messages to every consignor and consignee against every transaction.
- (b) during online transaction of explosives, the ERS system validate the storage capacity of the respective explosives magazines of the consignor and consignee and validity of their licences as well.
- (c) facilitates the stakeholders to carry out their transactions in line with the statutory requirements and various returns are automatically generated and submitted online to the respective licensing authority.

(d) gives interface to all the DMs & SPs to monitor explosives transactions emerging, destining and crossing their respective districts.

(e) on real time basis provides the data on date-wise, product-wise & factory-wise manufacturing of explosives.

(f) on real time basis provides the data on stock of every explosives magazine in the country

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

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

In order to avoid malpractices and to ensure safety of the public and property new facilities have been added under the SMPV (U) module for generation of degassing certificates by the competent persons. This facility also enables the PESO to monitor the degassing of pressure vessels before tests. This initiative has streamlined the generation of certificates by competent persons to a great extent. The generated certificates also gets linked to respective license file at the time of processing of applications. During processing, officers can view certificates issued by the competent person online and can also verify genuineness of the certificate. This facility has totally eliminated scope of forgery in the certification process.

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

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

e-Biz Portal

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

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

Project on System on Explosives Tracking and Tracing (SETT)

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

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

Accomplished Activities

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

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

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

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

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

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

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

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

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

Chapter-7

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

MEETINGS

1. Attended the meeting at MoPNG, New-Delhi on 7.6.2017 to discuss the issue of door-to-door delivery of fuel.
2. Attended the meeting on 22.6.2017 at DIPP New-Delhi for NPC Study Report.
3. Attended the meeting on 3.7.2017 for Strengthening Regulatory for Global Leadership at Udyog Bhawan, New-Delhi.
4. the meeting on 24.7.2017 to review status of technical regulations, their enforcement and import of various products.
5. Attended the 2nd Licensing Committee Meeting (2017 series) on 7.8.2017 at DIPP, Udyog Bhawan, New-Delhi.
6. Attended the Parliamentary Committee Meeting on Subordinate Legislation, Rajya Sabha at Lucknow on 1.9.2017.

7. Attended the 80th Meeting of STEC on 4.9.2017 at DRDO Bhawan, New-Delhi.
8. Attended the 3rd Licensing Committee Meeting 2017 Series on 5.9.2017 at DIPP, Udyog Bhawan, New-Delhi.
9. Attended the 80th Meeting of STEC on 11.9, 2017 at DRDO Bhawan, New-Delhi.
10. Attended the 4th Licensing Committee Meeting (2017 Series) on 17.10.2017 in the Committee Room No. 152, Udyog Bhawan, New-Delhi.
11. Chaired the meeting of MED 16 on Gas Cylinders on 2nd and 3rd November 2017 organized by BIS at Kolkata.
12. Attended the meeting with hon'ble CIM at DIPP, New-Delhi on 21.3.2018.
13. Attended the first meeting of Task Force on 26.03.2018 at DIPP, New Delhi. regarding door to door delivery of petroleum.
14. Attended the meeting of committee to examine existing structure of safety in petroleum and natural gas industry on 26.03.2018 in the Ministry of Petroleum & Natural Gas, New Delhi.

Seminars

1. Attended Workshop on RCS on 13.4.2017 at Vigyan Bhawan, New-Delhi organized by Ministry of Civil Aviation.
2. Attended Seminar as Chief Guest, organized by Gas Manufacturers' Society, Mumbai at Khandala.on 11.8.2017.
3. Attended Work Commencement function of Rajasthan Refinery of HPCL, Rajasthan Refinery Limited by Hon'ble Prime Minister at Pachpadra, Barmer, Rajasthan on 16.1.2018.
4. Inaugurated Pipeline Safety Conference 2018 organized by the Dy.Chief Controller of Explosives, Hyderabad on 8.3.2018.

Inspections:

1. Inspected physical evaluation of manufacturing, testing and witnessed the prototype of composite cylinders technology of M/s. Techplat, 34-120 Andryshow, UL, Krakowska, Poland on June 2017.
2. Inspected the high capacity Propellant Test Bed of M/s. Bharat Dynamic Ltd., Hyderabad.on 9.11.2017.
3. Inspected the Flame Proof Testing Laboratory at Baroda on 11.1.2018.

4. Inspected Oil Shore facility of ONGC connected with Petroleum exploration and production at Mumbai on 12.1.2018.
5. Inspected valve fittings manufacturing and testing facilities of M/s. Tyco Fire Protection Products at Great Yarmouth Norfolk, NR31 ONN, United Kingdom from 27.03.2018 to 30.03.2018.

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

MEETINGS

1. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur attended meeting under the chairmanship of CIM on strengthening regulatory aspects for global leadership alongwith CCE at Udyog Bhawan, New Delhi on 03.07.2017.
2. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur attended meeting under the chairmanship of CIM to review the status of technical regulation, their enforcement and import of various products alongwith CCE at Udyog Bhawan, New Delhi on 24.07.2017.
3. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur attended meeting at DIPP for NPC Study Report on 22.06.2017.
4. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur attended meeting at MOPNG with other Oil company representative and Secretary, MOPNG on various issues.
5. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur attended 80th meeting of STEC at DRDO, New Delhi.
6. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur attended meeting on e-nivesh at Vigyan Bhawan, New Delhi.
7. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting of NDT experts convened by PESO at BPCL, HQ, Mumbai with regard to periodical examination & test reports of mounded storage vessels.
8. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting at MoPNG, New Delhi on "Door to Door Delivery of Fuel".
9. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting of the Functional Committee on formulation of 'Guidelines on Safety for LNG Bunkering Facilities at Ports for Large Ships, Coastal Shipping and Inland Water Transport (IWT) Terminals' at Mumbai Port Trust, Mumbai & Noida.

10. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended Nineteenth meeting of Automotive Vehicle Running on Non-conventional Energy Sources Sectional Committee, TED-26 at Manak Bhawan, BIS, New Delhi.
11. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting of Standing Committee on Petroleum and Natural Gas (2017-18) regarding examination of the subject "Safety, Security and Environmental Aspects in Petroleum Sector at Lok Sabha Secretariat, Parliament House Annexe at New Delhi.
12. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended Fourteenth Meeting of Boilers and Pressure Vessels Sectional Committee, MED 01 at BIS, New Delhi.
13. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting in connection with amendment of SMPV(U) Rules, 2016 at DIPP, New Delhi.
14. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended meeting in connection with amendment of Petroleum Rules, 2002 at MoPNG, New Delhi.
15. Shri Ashendra Singh, Controller of Explosives inspected Type 4 ,Composite High Pressure Cylinders Manufacturing Plant of M/S Techplast Poland Europe along with Chief Controller Of Explosives , in the Month of June-2017.
16. Shri Ashendra Singh, Controller of Explosives attended meeting along with Chief Controller Of Explosives of ' Committee On Subordinate Legislation Rajya Sabha " At Lucknow (UP) in the Month of August-2017.
17. Shri Ashendra Singh, Controller of Explosives attended meeting along with Chief Controller Of Explosives organised by ME 16 Committee of BIS New Delhi at Kolkata.

Seminars

1. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended conference on "Pipeline Safety-2018" and chaired a session on 'Risk Based Inspection' at Hyderabad.
2. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur attended a workshop on RCS held at Vigyan Bhawan, New Delhi.
3. Shri Ashendra Singh, Controller of Explosives chaired the technical session in the seminar on " Gaseous Fuel Storage Systems Strategies for upcoming Emission Norms "organised by Automotive Research Association Of India at Pune in the month of November-2017.
4. Shri Srinivasa Rao Keta, Controller of Explosives presented a power point presentation on "Accidents during LPG pipeline Pigging" at a "Conference on Pipeline Safety" at O/o Dy. Chief Controller of Explosives, CGO Complex Auditorium, Hyderabad. Delegates from PSU Oil companies, GAIL, BGL and Pipeline OEMs attended the conference.

5. Shri Srinivasa Rao Keta, Controller of Explosives inspected Robotic loading and unloading of LPG Cylinders system and witnessed its operations at M/s HT Process controls (P) Limited ,Faridabad along with Shri D.K. Gupta, Dy. CCE.

LECTURES

1. Shri R. A. Gujar, Dy. Chief Controller of Explosives, Nagpur delivered lecture on Explosion Protection Equipments and also on Administration and Conduct rules to Dy.CE and CE at NAPES.
2. Shri D. K. Gupta, Dy. Chief Controller of Explosives, Nagpur delivered talks on “Petroleum Installations and Dispensing Stations – Layout Design and Safety Provisions ”, “Overview of SMPV(U) Rules, 2016” and “Metallergic and Technical Aspects – with Reference to Cylinders and Pressure Vessels” in the training programme on Capacity Building of Dy. Controller of Explosives organized by DTS, Gondkhairi.
3. Shri Ashendra Singh, Controller of Explosives delivered a lecture on " Statutory Provisions for CNG and LNG Industry in India " in the National Seminar organised by M/S Frankfurt in NGV India Summit-2017 at Delhi in the month of August-2017.
4. Shri Ashendra Singh, Controller of Explosives delivered lecture in the " International Hydrogen & Fuel Cell Conference organised by Hydrogen Association Of India " in Pune during December-2017.
5. Shri Ashendra Singh, Controller of Explosives delivered lecture on " Safe Handling of High Pressure Gas Cylinders and Related Regulations " in CFEES New Delhi in the month of March-2018.
6. Shri Srinivasa Rao Keta, Controller of Explosives delivered lecture on “Statutory guidelines & Regulatory framework for planning offsite disaster management planning in Oil & Gas Industries” for Senior officers of GAIL India Limited, held at National Civil defence College, Nagpur held on 11th August 2017.

SOUTH CIRCLE, CHENNAI

MEETINGS:

1. On 12/04/2017 Shri M.W. Dudhe, Dy. Controller of Explosives attended Hindi meeting at National Academy of Agricultural Research Management (NAARM), Rajendra Nagar, Hyderabad.

2. On 12/4/2017 Dr. R.Venugopal, Dy. Chief Controller of Explosives, Hyderabad attended meeting held by the Honourable Minister for Agriculture, Shri V. S. Sunil Kumar & Honourable Minister for Industries, Sports & Youth Affairs, Shri A. C. Moiden, Government of Kerala at Secretariat, TVM regarding smooth conduct of Thrissur.
3. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives attended meeting at Secretariat on 12/04/2017 convened by Kerala Govt. on Thrissur Pooram 2017 Festival and met DM, Thrissur on 28/04/2017 regarding preparation of Thrissur Pooram Festival and collection of samples.
4. Shri Govindaram N, Dy. Controller of Explosives attended Meeting on 'Disaster Management Plan of Oil spill on sea shore' on 17.04.2017, convened by the District Crisis Group at the O/o Deputy Commissioner, D.K. District, Mangalore.
5. 18/04/2017 Dr. R.Venugopal, Dy. Chief Controller of Explosives attended meeting held by the Honourable Minister for Agriculture, Shri V. S. Sunil Kumar & Honourable Minister for Industries, Sports & Youth Affairs, Shri A. C. Moiden, Government of Kerala at Secretariat, TVM regarding smooth conduct of Thrissur.
6. Shri Amit Kumar, Dy. Controller of Explosives participated in a meeting held at Hyderabad office for preparation of Annual Report 2016-17 of South Circle from 26/04/2107 to 28/04/2017.
7. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives and Shri S. Kandasamy Dy. Controller of Explosives attended meeting with District Authorities on 02.05.17 for safe conduct of fireworks public display at Thrissur Pooram in Thrissur.
8. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives attended meeting of committee formed for amendment of Explosives Rules for public display purpose at Hyderabad on 26.05.2017.
9. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives attended meeting with D.M., Lakshadweep regarding storages of LPG cylinders and Petroleum Product at Various islands in Lakshadweep Area.
10. On 23/05/2017 Dr. A. Sheik Hussain and Shri Bhupendra Singh, Dy. Controllers of Explosives attended 54th meeting of Town Official Language Implementation Committee held at IC & SR Auditorium, IIT Madras, Guindy, Chennai -600054.
11. Shri K. Sundaresan, Dy. Chief Controller of Explosives , Sivakasi attended a meeting at the O/o Dy. Chief Controller of Explosives, Hyderabad on 26/5/17 regarding amendment of E.R.2008.
12. On 26/05/2017 As per the advice of the Chief Controller of Explosives, Nagpur, Dr. A. K. Yadav, Jt. Chief Controller Of Explosives, convened a meeting with Shri K. Sundaresan, Dy. Chief Controller of Explosives Dr.R.Venugopal, Dy. Chief Controller of Explosives Hyderabad, Shri S.M. Kulkarni, Dy. Chief Controller of Explosives and Dr. G.K. Pandey, C.E conducted a

- meeting at the O/o Dy. Chief Controller of Explosives Hyderabad in connection with Amendment of Explosive Rules, 2008 with regard to public display of Fireworks.
13. On 31/05/2017 Meeting was held with M/s. Regenesi Industries Pvt. Ltd. regarding compliance of safety audit report at the O/o Dy. Chief Controller of Explosives Hyderabad.
 14. Shri S. Kandasamy, Dy. Controller of Explosives attended Jt. Intelligence Committee meeting conducted by ADGP (South Zone) at Govt. Guest House, Kochi on 07/06/2017.
 15. On 12/06/2017 A meeting was held at the O/o Dy. Chief Controller of Explosives Hyderabad with M/s. A.P. Explosives Private Limited regarding review of compliance submitted for violation noticed during safety audit conducted by PESO.
 16. On 21/06/2017 A meeting was held at the O/o Dy. Chief Controller of Explosives Hyderabad with M/s. Gulf Oil Corporation Limited regarding review of compliance submitted for violation noticed during safety audit conducted by PESO.
 17. On 12/07/2017 A meeting was held at the O/o Dy. Chief Controller of Explosives Hyderabad with M/s. IDEAL Industrial Explosives Private Limited regarding review of compliance submitted for violation noticed during safety audit conducted by PESO.
 18. Shri B. Ravi Kumar, Dy. Controller of Explosives, Visakhapatnam, attended meeting with Intelligence Bureau (IB) officials at Vijayawada on 18.07.2017 regarding illegal funding to LWE.
 19. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended a meeting at HQ, Nagpur on 21/7/17 regarding proposed amendment of E.R.2008.
 20. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended a meeting at HQ, Nagpur on 21/7/17 regarding proposed amendment of E.R.2008.
 21. 21/07/2017 A meeting was held at the Office of the Chief Controller of Explosives, Nagpur regarding amendment of Explosives Rules, 2008 with respect to public display of Fire Works.
 22. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended a meeting at Hqts, Nagpur on 16/8/2017 discussing various aspects of collaboration with CPCB, New Delhi as per the direction of Honourable Supreme Court of India in WP(Civil) Appeal No.728/2015.
 23. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi conducted awareness meeting with fireworks transporters, with fireworks shop licensees, with fireworks storehouse managers and staff, with fireworks factory workers during the month of September & October, 2017.
 24. On 30/11/2017 Shri C. G. Kalambhe, Dy. Chief Controller of Explosives along with Shri Sumiran Kumar, Deputy Controller of Explosives attended the 55th meeting of Town Official Language Implementation Committee held at Vigyan Auditorium, CSIR SERC Campus, Taramani, Chennai -600113 .

25. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives , Cochin attended meeting with D.M. Thrissur on 29/12/2017 regarding provisions of Explosives Rules pertaining to LE-1 & LE-6 licenses granted by DM..
26. Shri Amit Kumar, Dy. Controller of Explosives attended ERDMP (LEVEL-2 Mock-Drill at BPC Kochi Refinery and attended its review meeting.
27. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended meeting at New Delhi on 8/1/2018 regarding less polluting cracker.
28. 31/01/2018 Meeting Conducted with the Installation & Depot Managers of oil companies in the State of Telangana in the O/o Deputy Chief Controller of Explosives, Hyderabad regarding pilferage of petroleum products from road tankers.
29. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended meeting at Hqts., Nagpur on 2/2/2018 regarding proposed amendment of E.R.2008.
30. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended meeting at New Delhi on 8/2/2018 with CSIR scientists regarding 'Less Emission Crackers'.
31. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi attended meeting on 20/2/2018 in the chambers of Additional Secretary, DIPP, New Delhi regarding Supreme Court case No.728/2015, Arjun Gopal Vs others.
32. Dr. Pandey, Controller of Explosives, Mr. Janardanan Kumar, CE and other PESO Sivakasi officers regularly take awareness meeting for fireworks industry workers.
33. On 27/02/2018 Attended a meeting on safe conduct of Thrissur Pooram fireworks display with Industries Minister, Agriculture Minister, Education Minister, Chief Secretary and other officials of Government of Kerala.
34. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi held meeting with Commissioner of Police, Madurai regarding fireworks shop licensing.
35. Shri M.G. Titre, Controller of Explosives, Visakhapatnam and Shri B. Ravi Kumar, Dy. Controller of Explosives attended Unit Approval Committee (UAC) Meeting on 20.02.2018 organized by Development Commissioner, Andhra Pradesh Special Economic Zone (SPSEZ), Visakhapatnam.
36. Shri C. G. Kalambhe, Deputy Chief Controller of Explosives and Shri Sumiran Kumar, Deputy Controller of Explosives attended third convention meeting on 17th March 2018 of Petroleum Dealers Association for Tamil Nadu to resolve the various problems.

LECTURES

1. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives delivered presentation on amendment of Explosives Rules, 2008 with regard to display fireworks at Chief Controller Of Explosives Nagpur office and attended the meeting on 21/07/2017.
2. Shri S. Kandasamy, Dy. Controller of Explosives attended National Conference on crowd Management and delivered lecture of safety in fireworks operation at Kovalam, Trivandrum.
3. Shri Janardanan Kumar, Controller of Explosives delivered lecture to newly recruited Dy. Controllers of Explosives who visited Sivakasi office between 8.5.17 to 10.5.17.
4. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives and Shri S. Kandasamy, Dy. Controller of Explosives, Cochin jointly delivered presentation on authorisation of fireworks manufacturing of display fireworks, provisions of rules for display fireworks at Workshop jointly organised by D.M. Thrissur, PESO and Kerala State Disaster Management authority on 31/08/2017 at Thrissur.

SEMINARS AND WORKSHOPS

1. 09/09/2017 Dr. R Venugopal has attended a regional summit on “Productivity Enhancement use of new technology as Chief Guest organized by All India Industrial Gases Manufacturer’s Association at Hotel Vivanta by Taj, Begumpet, Hyderabad.
2. Shri S.M. Kulkarni Dy. Chief Controller of Explosives , Cochin conducted Jt. Inspection for 19 kg LPG cylinders with BIS for M/s. Kairali Structural Fabrications (P) Ltd ad conducted safety workshop for fireworks shop/ magazine dealers for provisions of Explosives Rules, 2008.
3. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi functioned as Selection Committee Member for recruitment of Technical Posts for FRDC, Sivakasi.
4. Shri K. Sundaresan, Dy. Chief Controller of Explosives Sivakasi met Mr. Santhosh Baburaj, IAS, at Chennai regarding crisis being faced by fireworks industries. Mr. Santhosh Baburaj, IAS is the Special Nodal Officer for Virudhunagar District.
5. Shri M.G. Titre, Controller of Explosives, Visakhapatnam and Shri Manoj Kumar Shrivastava, Assistant attended workshop on “online payment transactions through PFMS, e-tendering and purchase through Gem portal” from 1st February – 2nd February, 2018 held in the O/o Chief Controller of Explosives, Nagpur.
6. Dr Ashok Kumar Yadav, Joint Chief Controller of Explosives inaugurated had attended the Inaugural Pipeline Safety conference held in Hyderabad, from 08th March 2018 to 09th March 2018 conducted by PESO, Hyderabad.

VISITS

1. Shri Govindaram N., Dy. Controller of Explosives, Mangalore visited the high explosive manufacturing factory of M/s. Keltech Energies Ltd., at Karkala, Udupi District on 08.03.2018 and samples of authorized explosives were drawn for the purpose of testing at Departmental Testing Station, Gondkhery, Nagpur.
2. 17/03/2018 Telangana LPG Distributors meet 2018 Begumpet, Hyderabad, Dr. G.K. Pandey attended as a guest of honour along with the officer of oil companies and Hon'ble Shri Etala Rajendra, Finance and Civil supply Minister Telangana Government as chief guest, and Shri Pasunuri Dayakar, MP, (Warangal) as a guest of honour.

SAFETY AUDITS AND INSPECTIONS

1. Dr Ashok Kumar Yadav, Joint Chief Controller of Explosives witnessed the safe conduct of Display of Fireworks during Thirssurpuram Festival Display organised from 05/05/2017 to 08/05/2017.
2. Shri Sumiran Kumar and Shri Prashant Yadav, Dy. Controller of Explosives witnessed the safe conduct of Display of Fireworks during Thirssurpuram Festival Display organised from 05/05/2017 to 08/05/2017.
3. On 04/07/2017-08/07/2017 Shri M. N. Nandanwar Dy. Controller Of Explosives conducted safety audit Vizag-Secunderabad LPG Pipeline (GAIL) VSPL.
4. On 17/07/2017 to 21/07/2017 Shri G. Kumaraswamy, Controller Of Explosives conducted safety audit of Trichy-Madurai Product Pipeline (CTMPL)
5. Shri Amit Kumar, Dy. Controller of Explosives participated in safety Audit/ Inspection of M/s. Petronet MHB Ltd. during 24/07/2017 to 28/07/2017 under Dy. Chief Controller Of Explosives, Hyderabad.
6. On 24-07-2017 - 28/07/2017 Dr. G. K. Pandey, Controller Of Explosives conducted safety audit Mangalore –Bangalore Petronet MHB Pipeline.
7. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives Inspected Cochin-Coimbatore-Karur petroleum pipeline and dispatch and receiving terminal and enroute valve station from 24/07/2017 to 28/07/2017.
8. On 21/08/2017-22/08/2017 Shri G. Kumaraswamy, Controller Of Explosives conducted safety audit Chennai-Meenambakkam ATF Pipeline (ATFPL)
9. Shri B. Sadhukhan, DCE conducted safety audit of ATF pipeline of M/s IOCL at Chennai on 30/8/2017 and 1/9/2017 along with other officers of PESO as per specific order from the Jt. Chief Controller Of Explosives, Chennai.

10. The officers of this sub circle Mangalore undertook exhaustive inspection tours including local tours, endorsement inspections, and regular inspections and also carried out safety and security audit of explosives manufacturing units and refineries during the year. As a result, office was able to carry out 1279 inspections.
11. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives and Shri S. Kandasamy, DCE rendered witness to Gopinathan enquiry commission set up by Kerala State Govt. on Puttingal fireworks accident.
12. Shri S.M. Kulkarni, Dy. Chief Controller of Explosives and Shri Amit Kumar, DCE attended Mock Drill at Kochi Refinery on 22/09/2017.
1. Shri S. Kandasamy, Dy. Controller of Explosives , Cochin inspected pipeline of CBPL from Chennai-Chittoor-Bangalore and DDPL from 17/09/2017 to 24/09/2017 as per Jt. Chief Controller of Explosives' Order.
2. Shri S. Saravanan, Dy. Controller of Explosives attended RTI training at DTS, Nagpur on 18/9/2017.

WEST CIRCLE, MUMBAI

MEETINGS:

1. Dr. YogeshKhare, Dy. Chief Controller of Explosives, Mumbai attended meeting at Nagpur on 18/04/2017 in connection with official matters.
2. Shri Vinod Kumar, Jt.C.C.E., Mumbai attended a NARAKAS meeting in Konkan Bhavan on 20/06/2017.
3. Shri Vinod Kumar, Jt.C.C.E., Mumbai attended a meeting regarding amendment of rules with respect to fireworks at the office of the Chief Controller of Explosives, Nagpur on 21/07/2017.
4. Shri RajnishPiplani, DY.CCE Vadodara and Shri Sanjay Kumar, CE Vadodara attended a meeting organized by ONGC Vadodara and Shri Sanjay Kumar, CE delivered a Power Point Presentation on Explosives Return System on 25/07/2017.
5. Shri RajnishPiplani, DY.CCE Vadodara and Dr. P.K. Rana, CE Vadodara attended NARAKAS half yearly meeting at Vadodara on 26/07/2017.
6. Shri Sanjay Kumar, C.E. Vadodara attended site emergency plan on explosives at Viramgam on 23/09/2017.
7. Shri Vinod Kumar, Jt.C.C.E. attended NARAKAS meeting on 20/11/2017 at Mumbai.

8. Shri RajnishPiplani, DY.CCE and Shri Sanjay Kumar, CE attended a meeting with Deendayal Port Trust, Kandla on 10/11/2017 & attended an interactive session at ONGC, Makarpura Hall by Officers of the O/o.DY.CCE, Vadodara on 24/11/2017.
9. Shri RajnishPiplani, DY.CCE, Vadodara & Shri Sanjay Kumar, CE Vadodara attended a meeting on 15/01/2018 at Kandla regarding issue of Kandla Port Trust & Terminal.
10. Dr. YogeshKhare, DY.CCE, Mumbai attended meeting at DG Shipping, Mumbai w.r.t. safe & environmentally sound recycling of shop on 01/02/2018.
11. Dr. YogeshKhare, DY.CCE, Mumbai attended meeting at DCP office, Turbhey on 28/02/2018 w.r.t. action regarding NOCIL Industry

LECTURES:

1. Shri Sandeep Kumar, Dy.CE delivered a talk on MSIHC Rules 1989 on 24/11/2017 at ONGC, Makarpura, Vadodara.
2. Dr. YogeshKhare, DY.C.C.E. deliver a talk on “Safety Aspects of use of explosives during use and “The documents & rules related to delivery & dispatch with reference to the explosives while doing the well digging at site at ONGC, Goa on 12/12/2017.
3. Shri Sanjay Kumar, C.E., Vadodara deliver a lecture to All India Bharat Gas Distributors at Kamla Mill Compound, Mumbai on 21/01/2018.
4. Shri A.K. Srivastava, CE, Mumbai delivered a lecture at IPSHEM (ONGC), Goa on 16/02/2018.
5. Shri P. Seeniraj, CE, Mumbai delivered a lecture on “Transport, Storage and Disposal of expired Pyrotechnics” at Maritime Training Institutes (MTI), Mumbai on 05/03/2018.

TRAINING ATTENDED:

1. Shri Sandeep Kumar, Dy. Controller of Explosives, Baroda attended capacity building training at DTS, Gondkhairy, Nagpur.
2. Shri P. Seeniraj, CE and Shri A.K. Srivastava, CE attended training programme on “Capacity Building” from 22/05/2017 to 24/05/2017 at HQ, Nagpur.
3. Shri A.K. Yadav, CE and Dr. P.K. Rana, CE attended training programme on “Capacity Building” from 22/05/2017 to 24/05/2017 at HQ, Nagpur.
4. Shri RajnishPiplani, DY.CCE Vadodara attended a training programme on Swachh Bharat at ISTM New Delhi on 07/08/2017
5. Dr. YogeshKhare, Dy.CCE, Mumbai attended capacity building programme at DTS Gondkhairy, on 17th, 18th& 19th January 2018.
6. Shri RajnishPiplani, DY.CCE, Vadodara attended capacity building programme at DTS Gondkhairy on 17th, 18th& 19th January 2018.

7. Shri M.L. Jana, DY.CE attended 5 days Hindi Translation Training Programme in Vadodara from 19/02/2018 to 23/02/2018.
8. Shri KanaksinhMeena, DY.CE Mumbai attended training programme on “Online Transaction of Payments Through PFMS, e-tendering, & purchase through GEM Portal” held at Nagpur on 1st& 2nd Feb-2018.

EAST CIRCLE, Kolkata

Meeting:

1. Shri M.K. Jhala attended Meeting of the Circle Heads in the O/o. the Chief Controller of Explosives, Nagpur on 18.04.2017.
2. Shri M.K. Jhala,Jt.CCE attended a committee meeting on 11.5.2017 in the O/o. Chief Controller of Explosives, Nagpur to study the matter on licensing to Defence Explosives according to Explosives Rules, 2008 and the necessary amendment if require in existing Explosives Rules,2008.
3. Shri M. K. Jhala, Jt.CCE attended meeting on 21.7.2017 in the O/o. CCE,Nagpur regarding amendment of ER,2008 and some other administrative issues.
4. Shri M. K. Jhala, JT.CCE, Shri Ashok Kumar Dy.CE and Shri M. Lohar, Stenographer, Gr.I attended 51st Meeting of Kolkata Town Official Language Implementation Committee meeting on 21.8.17 at All India Institute of Hygiene & Public Health, 110, C.R. Avenue, Kolkata – 73.
5. Shri A. Muttalib, CE-I and Shri A.K. Meena, CE-II attended meeting on 5.9.17 at Barasat, DM Office, North 24 Parganas with reference to the manufacturing and selling of fireworks in the District.
6. The Video Conference held on 22.11.2017 with CCE,Nagpur alongwith other circle offices of PESO regarding withdrawal of the power to issue the NOC from District Authorities reference to the storage of LPG in form F under GCR,2016.
7. Dr. Ruab Ali,Dy.CCE, Bhubaneswar & Shri Ahin Nandi, Dy.CE,Guwahati attended the meeting with the Hon'ble Minister, Ministry of Commerce & Industries on 2.2.2018 at Guwahati.
8. Quarterly meeting of Sub Circle Heads was organized in the O/o. Jt.CCE,EC,Kolkata on 21.2.2018. All the Sub Circle Heads attended the meeting.
9. Shri M.K. Jhala, Jt.CCE along with Shri S. K. Shukla, Jt.CCE,HQ inspected O/o. Controller of Explosives, Patna on 23.2.2018.

10. Shri M. K. Jhala, Jt.CCE inspected O/o. Dy.Chief Controller of Explosives, Ranchi on 16.3.2018. Checked out office progress and implementation of Raj Bhasha in office.
11. Shri M.K. Jhala, JT.CCE, Shri N.S.Shete, DCE and Shri M.Lohar, Stenographer, Gr.I attended Kolkata Town Official Language Implementation Committee 52nd meeting on 20.3.2018 at Dr. Vimrao Ambedkar Hall, Kyd Street, Kolkata.
12. Shri Abdul Muttalib, CE attended meeting on 10.10.2017 with DC of South 24 Parganan and North 24 Parganas in presence of police commissioner Kolkata during Deewali festival and discussed the safety related issues for the handling of fireworks.
13. Shri J. Ahmed, Dy.CE attended meeting on 7.3..2018 at PIB on orientation and designing of plan of action regarding environmental, sanitation at public places like Angawadi Centres, Schools, PHCS and ther places where Govt. funded scheme is implemented.
14. Meeting with Seceretary and Director Small scale Industry West Bengal Govt on 08/03/2018 related with licensing of F/W industry .
15. Shri J.Ahmed, Dy.CE attended meeting on 16.1.2018 on Swachhata Pakhwada at PIB
16. Dr.Ruab Ali, Dy.CCE attended the duty of Hon'ble Minister of Commerce & Industry at Gwahati on 4th February, 2018.
17. Dr. Ruab Ali, Dy.CCE, attended the quarterly meeting and programme of Vimochan of Purvanchal Darpan at O/o, the Jt.CCE, Kolkata, on 21st & 22nd February, 2018.
18. Shri Basudev Basak ,CE has attended Quarterly meeting at O/o Joint Chief Controller of Explosives, Kolkata on 21.02.2018 & 22.2.2018.
19. Shri H.P. Sangole, DCE has attended one day workshop on RTI Act for PESO CPIO on 18.09.2017 at National Academy for Petroleum and Explosives Safety and Testing Station Nagpur.
20. Shri H.P. Sangole, DCE attended two day workshop for DDO & Accountant/Concern Staff of PESO on online transaction of payments through PFMS, e-tendering and Purchase through GeM Portal on 01.02.2018 and 02.02.2018 at National Academy for Petroleum and Explosives Safety and Testing Station Nagpur.
21. Shri Basudev Basak ,CE has invited as Chairperson for Technical session for seminar having topic on “ Standards Make City Smarter” on the occasion of World Standard Day on 14.10.2017 organized by BIS, Patna.
22. Shri Basudev Basak ,CE attended prize giving ceremony organized by Eastern region NARAKAS on 10.03.18.
23. Shri Basudev Basak ,CE was honoured as Chief guest for Disaster Control Management Plan on 19.03.18 at BPCL LPG Fatuha, Dist. Patna.

24. On 3rd Nov-2017, officers and staff visited to Kendriya Vidyalaya, Noonmati where Shri V. K. Mishra, Dy. CCE, Guwahati delivered a lecture of Inter class students and interacted with the children of the school along with employees of PESO. Took pledge along with children as per CVC guideline.
25. Shri Ahin Nandi, Dy. Controller of Explosives, Guwahati attended Off-Site mock drill conducted by IOCI, Guwahati refinery.
26. Quarterly meeting attended by Shri K. Thigarajan, Dy.CCE,Ranchi in the O/o. Jt.CCE,EC,Kolkata on 21.2.2018.

Lectures:-

1. Shri M. K. Jhala, Jt.CCE attended capacity building programme of Dy.CE on 27.4.17 at DTS,Nagpur. Shri Jhala delivered lecture in the above programme.
- 2.Shri Abdul Muttalib, CE deliver lecture on Gas cylinder Rules 2016 on 07/11 /2017 organized by M/s HPCL Kolkata.
- 3.Shri Abdul Muttalib, CE deliver lecture on Auto LPG in the O/o IOCL Kolkata on 16/01/2018.
- 4.Shri M.K. Jhala, Jt.CCE attended Capacity Building Programme for Dy.CCEs on 17.1.2018 at Nagpur. Shri Jhala delivered lecture in the above programme.
- 5.Shri Abdul Muttalib, CE deliver lecture on the topic of “ Safe handling during the mfg of F/W on 25/01/2018.Organiged by the Industry Deptt of West Bengal Govt
- 6.Shri Abdul Muttalib, CE deliver lecture on the topic of “Erection of fire works factory in clusters and procedure for licensing on 08/03/2018.Organiged by the Industry Deptt of West Bengal Govt. The program was also attended by Secretary, Director of the Ministry of Small Scale Industries, Govt. of West Bengal.
- 7.Dr.Ruab Ali,Dy.CCE, carried out Safety Audit of M/s IDL Explosives, Rourkela from 26.03.2018 to 27.03.2018.
- 8.On 3rd Nov-2017, officers and staff visited to Kendriya Vidyalaya, Noonmati where Shri V.K.MIshra delivered a lecture of Inter class students and along with employees of PESO interacted with the children of the school. We took pledge along with children as per by CVC guideline.
- 9.Shri Abdul Muttalib, CE deliver lecture on F/W safety at Police training college Kolkata on 11/10/2017.

Seminars, Workshop:

1. O/o. Jt.CCE, EC,Kolkata organised one day workshop on 05.10.20 stakeholders on "Safe Handling in Manufacture, Storage and Sale of fireworks and compliance of Hon'ble Supreme Court Judgment dated 12.09.2017".
2. Workshop for Auto LPG Dealer/Managers organised by IOCL on 16.1.18 at 18.1.18 attended by Shri M.K. Jhala, Jt.CCE, A.Muttalib, CE, Shri A.K. Meena, CE & Shri N.S. Shete,Dy.CE
3. One day workshop was organised in the O/o. JT.CCE,EC,Kolkata for stakeholders on 5.10.2017 on "Safe Handling in Manufacture, Storage and Sale of firework and compliance of Hon'ble Supreme Court Judgment dated 12.09.2017". The work shop focused on safety during manufacturing and storage and sale of fireworks during Puja Festival and compliance of Supreme Court Judgement and clandestine import of fireworks. Total 40 no. of stakeholders, in which 37 no. of participants were from state of West Bengal and 3 no. of participants from Andaman & Nicobar Islands actively participated in the workshop.
4. Shri M.K. Jhala, Jt.CCE inaugurated one day workshop on 10.11.2017 on Process Safety Management organised by Indian Institute of Chemical Engineers, Kolkata Regional Centre and delivered a talk on the necessity of the safety management. Shri N.S. Shivaji, Dy.CE also participated in the work shop and delivered a presentation on Flare Header Design using Flarenet.
5. Shri M.K. Jhala, JT.CCE attended one day Workshop on CNG Safety & Challanges in CGD on 23.12.2017 at Bhubaneswar organised by Dy.CCE,Bhubaneswar.
6. Shri A. K. Meena, CE attended workshop on ALDS Licensing & Safety Issue on 16.1.2018 at West Bengal State Office, Indian Oil Bhawan, Dhakuria, Kolkata.
7. Dr.Ruab Ali, Dy.CCE attended the " Capacity Building Program for Dy Chief Controller of Explosives" at the National Academy of Petroleum and Explosives Safety & Testing Station, Nagpur from 17.01.2018 to 19.01.2018.
8. Shri Subasis Ray, CE, attended Capacity Building Training Programme of C.E at DTS,Nagpur,from 22.5.2017 to 24.5.2017.
9. Shri J.Rout, Dy. CE, attended Refresher Course of Dy. CE at DTS, Gondkhairy, Nagpur, from 24.4.2017 to 29.4.207.
10. Shri J.Rout, Dy. CE, and Shri. P K Kar, Assistant attended training on " Online transaction of payment through PFMS, e-Tendering and Purchase through Gem portal at Head office, Nagpur, from 01.02.2018 to 02.02.2018.

CENTAL CIRCLE, AGRA

MEETINGS:

1. Hindi Karyanvan Committee of O/o.Dy.CCE, Allahabad was constituted for the year 2017-2018 and the quarterly meeting of Hindi Karyanvan Committee of O/o.Dy.CCE, Allahabad were held on 26-04-2017, 24.08.2017, 09.11.2017 and 19.03.2018.
2. Shri Waji Ud Din, Dy.CCE and Shri Rajendra Rawat, CE attended meeting on 25.04.2017 Organised by Hon'ble Minister, Shri Om Prakash Dhurve, Food & Supply Consumer & Labor Minister, MP Govt. at Vallabh Bhawan, Bhopal.
3. Organized 04 Hindi quarterly meeting on dated. 21.04.2017, 17.07.2017, 27.10.2017 & 23.02.2018 in the O/o Controller of Explosives, Dehradun on various topics.
4. Dr. A. K.Dalela attended meeting called by District Magistrate Allahabad on 02/05/2017 regarding allotment of Office building inlight Hon'ble High Court direction.
5. Shri Rajendra Rawat, CE attended meeting on 08.05.2017 organised by Joint Director, Food and Supply and Consumer affairs, M.P. Govt, Vindhychal Bhawan, Bhopal.
6. Shri Waji Ud Din, Dy.CCE attended meeting on 22.05.2017 Organised by Hon'ble Minister Shri Om Prakash Dhurve, Food & Supply Consumer & Labor Minister, MP Govt. at Vallabh Bhawan, Bhopal.
7. Shri Rajendra Rawat, CE attended Video Conference with CIC, New Delhi on 26.05.2017 at NIC, Vindhychal Bhawan, Bhopal.
8. Sh. Ajay Singh, CE, O/o Jt CCE, Agra & Shri Rajendra Singh Rawat, CE, Bhopal inspected Dehradun office on 04.05.2017 & 05.05.2017.
9. "International Yoga Day" was celebrated in the O/o Jt.CCE, Agra on 21.06.2017. The officers and staff members practiced Yoga and Pranayam under the supervision on Yog Guru Sh. Omkar Nath from Patanjali Yogpeeth.
10. O/o.Dy.CCE, Allahabad has organized National Yog divas on 21.06.2017.
11. Shri Rajendra Rawat, CPIO attended Video Conference with CIC, New Delhi on 23.06.2017 at NIC, Vindhychal Bhawan, Bhopal.
12. Dr. D.C.Pandey, Controller of Explosives attended NARAKAS half yearly hindi meeting on 23.06.2017 organized at Survey of India, Dehradun.
13. A meeting organized in O/o.Dy.CCE, Allahabad under chairmanship of Dr. T.L. Thanulingam Dy.Chief Controller of Explosives Allahabad for the office matters on 12/07/2017, 22.1.2018, 19.03.2018 and under chairmanship of Dr. A.K.Dalela on 24/08/2017. All the officers and staff members participated in the same.

14. A discussion session on “Clean India Campaign” was organized in Agra office on 08.08.2017. All the officers and staff members participated in the same.
15. All the officers and staff members of the O/o Jt.CCE, Agra took oath on 31.08.2017 on the occasion of 75th Anniversary of “Quit India Movement”.
16. A programme was conducted in the O/o Jt.CCE, Agra on 25.09.2017 on the occasion of Birth Centenary of Pandit Deen Dayal Upadhyay. Sh.P.Kumar, Jt.CCE, Agra and officers / staff shared their views on this occasion.
17. O/o.Dy.CCE, Allahabad has organized Pt. Deen Dayal Upadhyay ,Janmsati on 25/09/2017 in the office premises.
18. Shri S.K.Bhole, Dy. CE, has attended Hindi Half yearly meeting on dated 22.09.2017 organized by NARAKAS, Raipur.
19. Vigilance Awareness Week was celebrated in the O/o Jt.CCE, Agra from 30.10.2017 to 04.11.2017.
20. O/o.Dy.CCE, Allahabad organized Communal Harmony Companion Week from 19.11.2017 to 25.11.2017 in the office premises.
21. O/o.Dy.CCE, Allahabad organized Flag Day on 24.11.2017 in the office premises.
22. O/o.Dy.CCE, Allahabad organized Constitution day on 27.11.2017 in the office premises .
23. Shri Waji Ud Din, Dy.CCE, Bhopal & Shri Rajendra Rawat, CE attended meeting on 24.11.2017 organised by Additional Secretary, M.P.Govt., Bhopal.
24. The lecture was given by Shri. S. K. Bhole, Dy. Controller of Explosives on Gas Cylinder Rules, 2016 in the office of M/s. Bharat Petroleum Corporation Limited, Raipur on dated 15.01.2018 in connection with LPG godown under “Pradhanmantri Ujjwala Yojna”.
25. Shri Waji Ud Din, Dy.CCE, Bhopal and Shri Rajendra Rawat, CE, Bhopal attended meeting on 03.02.2018 organised by GM (Mkt) Madhya Pradesh Laghu Udhog Nigam Ltd, Bhopal.
26. Shri Waji Ud Din, Dy.CCE, Bhopal and Shri Rajendra Rawat, CE, Bhopal attended meeting on 26.02.2018 organised by DIG CID CB, Bhopal.
27. A discussion session on “International Women’s Day” was organized in Agra office on 08.03.2018. All the officers and staff members participated in the same.
28. A discussion session on “International Water Conservation Day” was organized in Agra office on 22.03.2018. All the officers and staff members participated in the same.
29. Shri Rajendra Rawat, CE, Bhopal attended meeting on 01.03.2018 & 12.03.2018 organised by DIG CID CB, Bhopal regarding Explosives Rules, 2008.

30. Hindi Karyanvan Committee of O/o.Dy.CCE, Allahabad was constituted for the year 2017-2018 and the quarterly meeting of Hindi Karyanvan Committee of O/o.Dy.CCE, Allahabad were held on 26-04-2017, 24.08.2017, 09.11.2017 and 19.03.2018.
31. Dr. T.L.Thanulingam, Dy. Chief Controller of Explosives, Allahabad conducted the meetings along with all officers and staff members on regular basis to review the status of the office work.
32. Dr. T.L.Thanulingam, Dy.CCE,Allahabad attended Half Yearly meeting at NARAKAS, Allahabad regarding official language.
33. Dr. A.K.Dalela, CE, participate with CCE,Nagpur regarding meeting with Parliament Commettee.at Lucknow .
34. O/o. Dy.CCE,Allahabad also organized Swachch Bharat Abhiyan in the office premises in time to time.
35. Dr. A.K.Dalela,CE, had attended Rajbhasha Samellan at Varanasi on 09/02/2018.
36. Shri Rajendra Rawat, CE attended meeting with M/s Avantika CNG Dealers at Indore regarding Cylinder test due.
37. Shri Rajendra Rawat, CE, Bhopal attended meeting on 08.01.2018 & 24.01.2018 organised by Additional Secretary, M.P.Govt., Bhopal.

WORKSHOPS / TRAINING PROGRAMS:

1. Sh. Pravesh Kumar, Dy.CE and Sh.Kunwar Pal Singh, Dy.CE, Agra attended Capacity Building Program organized for Deputy Controllers of Explosives in DTS, Gondkhairy from 24.04.2017 to 29.04.2017.
2. Dr. A. K.Dalela attended Mock Dril organized by M/s IFCO Phoolpur Allahabad on 24/04/2017.
3. Shri S.K.Bhole, Dy.Controller of Explosives,Raipur has attended Hindi workshop on dated 25.04.2017 organiszd by NARAKAS,Raipur.
4. Sh. Ajai Singh, CE, Agra attended Training Program conducted for Controllers of Explosives in DTS, Gondkhairy from 22.05.2017 to 24.05.2017.
5. Sh. Ajai Singh, CE, Agra imparted Capacity Building Training to the officers and staff of the Office of Controller of Explosives, Dehradun on 04.05.2017
6. Sh. P.Kumar, Jt.CCE and Dr. MIZ Ansari, Dy.CCE, Agra imparted Capacity Building Training to the officers and staff of the Office of Dy.CCE, Bhopal and CE, Raipur on 11.05 and 12.05.2017 in the office of Dy.CCE, Bhopal.

7. Shri Prakash Chandra Mishra, Deputy Director (Official Language) and Member Secretary, Nagar Rajbhasha Karyanvan Samiti, Allahabad delivered lectures on development & implementation of official language during the quarterly Workshops conducted by this office on 23.06.2017, 05.09.2017, 10.11.2017 and Dr. A.K.Dalela,CE, delivered lecture in the Hindi workshop on 19.03.18
8. Sh. Pravesh Kumar, Dy.CE, Agra participated in the mock drill conducted by M/s BPCL at their petroleum installation at Jhansi on 08.06.2017.
9. Sh. Nishant Mridul, Dy.CE, Agra participated in the mock drill conducted by M/s HPCL and M/s BPCL at their petroleum installations at Mathura on 15.06.2017.
10. Sh. P.Kumar, Jt.CCE, Agra attended Training on “Clean India Campaign” conducted by ISTM, New Delhi on 07.08.2017.
11. Shri. G. S. Ghodeswar, MTS attended One Day Training programme on PFMS module and online submission of Salary Bills in the office of Pay and Accounts Office, Nagpur on dated 06.09.2017.
12. Dr. A.K.Dalela ,CE, attended training programme on 18/09/2017 at Office of Testing Station Gondkheri regarding R.T.I.
13. Dr. T.L.Thanulingam,Dy.CCE, attended training programme on 17/01/2018 to 19/01/2018 organized by Office of The Chief Controller of Explosives, Nagpur for capability building of officers .
14. Dr.R.K.S.Chauhan, CE, Sh. Madan Mohan Gupta, UDC and Sh.Dharmesh Kumar, UDC, Agra attended two days’ training program on “Online Transaction of Payments through PFMS, e-tendering and purchase through Gem Portal” organized at the O/o CCE, Nagpur on 01 and 02.02.2018.
15. Dr. A.K.Dalela,CE, and K.K.Kesarwani,Assistant attended a training programme at Nagpur PAO on 01.02.2018 to 02.02.2018 regarding On line transaction of payments through PFMS,E-tendering and purchase through Gem portel.
16. Shri. S. K. Bhole, Dy. Controller of Explosives and one Staff member Shri. M. T. Khade, LDC attended Two days training programme on “Online transaction of payments through PFMS, E-tendering and purchase through “Gem portal” from 1st February to 2nd February 2018 in the office of the Chief Controller of Explosives, Nagpur.
17. A three days Training cum Workshop from 12.03 – 14.03.2018 on “Stress Management” was organized in the office of the Jt.CCE, Agra.
18. Special Drive was conducted to ensure safety in the fireworks magazines, storehouses and shops. The guidelines were communicated during inspection for safe handling of fireworks while store, handling & use.

VISITS/ SAFETY AUDITS:

1. Sh. P.Kumar, Jt.CCE, Agra, Sh.Wazi-Ud-Din, Dy.CCE, Bhopal and Sh.Tejveer Singh, Dy.CE, Bhopal visited and inspected the accident site of fireworks factory at Balaghat on 10.06.2017 and met the District and Police Administration in connection with the same.
2. Shri S.K.Bhole, Dy.Controller of Explosives,Raipur has inspected the facilities and type of testing & cylinders of 44.5 liters water capacity as per IS 3196 (Part-1) jointly with BIS of M/s. Saboo LPG equipment at Belsonda, Dist. Mahasamund (C.G.) from 29.07.2017 to 30.07.2017.
3. Dr. T.L.Thanulingam, Dy.CCE,Allahabad had delivered a lecture regarding GCR 2016 at M/s BPCL,Gonda for distributor dealers on 09.12.2017.
4. Dr. T.L.Thanulingam, Dy.CCE,Allahabad had delivered a lecture at a S.S.O.P programme organized by M/s IOC for their officials.on 20.12.2017.
5. Dr. T.L.Thanulingam , Dy.CCE, had delivered a lecture regarding GCR 2016 at M/s. BPCL, LPG bottling plant at Varanasi.
6. Priority wise MAH premises (Licensed and Approved premises) coming under the purview of the Petroleum Act 1934 and Explosives Act 1884 under the jurisdiction of this office were inspected.
7. Technical guidance has been provided to the District Authorities and Visitors as and when required. Continuously interacted with the officers of Oil Companies.
8. Shri Waji Ud Din, Dy.CCE, Bhopal collected samples of Fireworks products from Fireworks factory at Indore to NAPES & TS, Gondkheri, Nagpur.
9. Shri Tejveer Singh, Dy.CE, Bhopal collected samples of SME Class 2 products from M/s Sasan Power Ltd., Singrauli to NAPES & TS, Gondkheri, Nagpur.

NORTH CIRCLE, FARIDABAD

MEETINGS:

1. Dr. S.K. Singh, CE attended a meeting on 12/04/2017 regarding arrangements for “Hindi inspection” by Parliamentary Hindi Committee inspection 02-05-2017 at Office of Commissioner Custom at Tuglakabad, New Delhi.
2. Sh. K. L. Silawat, Jt.CCE attended a meeting on 18/04/2017 regarding “Official Matters” at HQ Nagpur.
3. Sh. K.P. Sharma, CE attended a meeting on 18/04/2017 regarding “to discuss Hon’ble Supreme Court directions on inventorisation of fireworks based on the list of 316 fireworks licences available” at CPCB Parivesh Bhawan, Delhi.

4. Sh. M. Manohar, Dy.CCE with Dr. A.P. Singh, Dy.CE attended a meeting on 18/04/2017 regarding “Special STEC Meeting” at CFEES, Timarpur, New Delhi.
5. Dr. S.K. Singh, CE attended a meeting on 27/04/2017 regarding arrangements for “Hindi inspection” by Parliamentary Hindi Committee inspection 02-05-2017 at Office of Commissioner Custom at Tuglakabad, New Delhi.
6. Sh. K.L. Silawat, Jt.CCE attended a meeting with Dr. SKS, CE on 02/05/2017 regarding Hindi Inspection by Parliamentary Hindi Committee at New Delhi.
7. Dr. S.K. Singh, CE attended a meeting on 11/5/2017 regarding “Study the matter on licensing to defense explosives according to Explosives Rules, 2008” at HQ Nagpur.
8. Dr. S. K. Singh, CE attended a “STEC meeting” on 18/05/2017 at CFEES, Timarpur, Delhi.
9. Sh. K.P. Sharma, CE attended a meeting on 20/5/2017 regarding “Oil Industry Safety Awards, 2015-2016” at OISD Building, Sector-75, Noida, G.B.Nagar(UP).
10. Sh. K.P. Sharma, CE attended a meeting on 31/5/2017 regarding –“To Discuss air quality management during FIFA-U17 World Cup” at CPCB office, New Delhi.
11. All the officers of this office attended a meeting called for all manufacturers of mobile tanker under SMPV(U)Rules under jurisdiction of North Circle was conducted at O/o Jt. CCE, Faridabad on 01.06.2017.
12. Dr. S.K. Singh, CE attended a meeting on 07/06/2017 regarding –“The Stakeholders Consultation Meet” at FICCI, Auditorium, Tansen Marg, New Delhi.
13. Dr. S.K. Singh, CE attended a meeting on 08/06/2017 regarding –“Shifting of GEECL pipeline at Barwa Adda-Panagarh Section of National Highway-2” at MoPNG’s Committee Room, Shastri Bhavan, New Delhi.
14. Sh. M. Manohar, Dy.CCE with Shri Ajay Kumar, LDC attended Hindi meeting (Prize distribution) on 16/06/2017 at NHPC, Sector-33, Faridabad and this office got first prize in फरीदाबाद स्थित केन्द्रीय कार्यालय वर्ग-क (Central Govt. offices in Faridabad).
15. Dr. S.K. Singh, CE attended a meeting on 29/6/2017 regarding Court case no. 10966/2016 in the matter of Atul Gulati Vs UOI at MoPNG, New Delhi.
16. Quarterly meeting on 30/6/2017 of Sub Circle offices Chandigarh and Jaipur , organized by Sh. K.L. Silawat, Jt.CCE, NC , Faridabad.
17. Dr. S.K. Singh, CE attended a meeting on 13/7/2017 regarding Recommendation of Technical Advisory Committee for Schedule of hazardous occupations and processes under the Child & Adoloscent Labour) Prohibition & Regulation) Act, 1986 at Shram Shakti Bhawan, New Delhi.
18. Sh. R. N. Meena, Dy. CCE (Head of Office) attended meeting alongwith Dr. SK Singh, CE on 21/7/2017 regarding ‘Amendment of Explosives Rules, 2008’ at HQ, Nagpur.

19. Dr. S.K. Singh, CE attended a CFEES (centre for fire, Explosives & Environment Safety) meeting on 27/7/2017 regarding on “Transportation of Ammunition in ISO Freight Containers by Road” at CFEES, Delhi.
20. Sh. M. Manohar, Dy.CCE along with Dr. S.K. Singh, CE attended a meeting on 2/8/2017 regarding “To discuss the procedure of Hydro Testing of CNG cylinders and ensuring its proper implementation laid down by the certificate granting authority” at Transport Deptt. , GNCTD, Govt. of NCT of Delhi at Delhi.
21. Dr. S.K. Singh, CE attended a meeting on 16/8/2017 regarding “Hydro Testing of gas cylinders in pursuance to Gas Cylinders Rule, 2016” at Transport Deptt., GNCTD, Govt. of NCT of Delhi at Delhi.
22. Sh. K.P. Sharma, CE attended a meeting on 22/9/2017 organized by Central Pollution Control Board (CPCB), Delhi, on “Health Impact Study” due to Bursting of **Firecrackers during Dussehra & Deepawali festival as directed by Hon’ble Supreme Court in CWP No. 728/2015.**
23. Sh. K.P. Sharma, CE attended a meeting on **8/11/2017** regarding ‘**Health impact study of bursting firecrackers during Dussehra and Diwali**’ at CPCB office, Delhi.
24. Shri R. K. Mandloi, Dy.CE attended a mock drill conducted by IOCL, Bijwasan Depot on 24.11.2017.
25. Sh. K.P. Sharma, CE attended a meeting on **7/12/2017** regarding ‘**Health impact study of bursting firecrackers during Dussehra and Diwali**’ at CPCB office, Delhi.
26. A meeting called by Govt. e-market place at Jeevan Tara Building, Delhi for Govt. inspection agencies on 14.12.2017 attended by Shri K. P. Sharma, CE and Shri R. K. Mandloi, Dy. CE.
27. Quarterly meeting of Sub-circle offices of Chandigarh and Jaipur was organized by Shri R. N. Meena, Jt.CCE, Faridabad on 09.02.2018.
28. Dr. S. K. Singh, CE attended a meeting on **16/3/2018** regarding ‘**Formulate plan/financial estimate/way forward for the land Border Management Handling Training Programme**’ at Safdarjung Enclave, New Delhi.
29. Shri R. N. Meena, Jt.CCE, Faridabad attended the meeting with CCE, Nagpur through video conferencing on 01.08.2017 & 22.11.2017.
30. Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended a meeting of the members of the committee for study the matter on licensing to defense explosives according to Explosives Rules, 2008 and necessary amendment in the office of Chief Controller of Explosives, Nagpur on **11.05.2017.**

31. Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended a meeting in the office of SDM, Sunam on **23.06.2017** regarding accident in Fireworks Premises at Sunam, District Sangrur.
32. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives along with Shri Manmeet Singh Manhas, Dy. Controller of Explosives, Chandigarh attended Hindi Quarterly (Timahi) Meeting organized by NARAKAS, Chandigarh at Judicial Complex, Sector 43, Chandigarh on **28.06.2017**.
33. Dr. Sanjana Sharma, Dy. Chief Controller of Explosives, Chandigarh attended a quarterly meeting in the office of Jt. Chief Controller of Explosives, North Circle, Faridabad on 30.06.2017 and 09.02.2018.
34. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh conducted Inquiry regarding complaint case in the office of Chief Controller of Explosives, Nagpur on 16th & 17th August 2017 regarding complaint case.
35. Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended a meeting with ADC, Sangrur on **23.09.2017** regarding accident in Fireworks Premises at Sular Gharat, District Sangrur.
36. Shri Gagan Aggarwal, Dy. Controller of Explosives, Chandigarh along with Shri Kaushik Barman, UDC of this office attended a Hindi meeting organized by NARAKAS, Chandigarh at Judicial Complex, Sector 43, Chandigarh on **22.11.2017**.
37. Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended a meeting conducted by the Principal Secretary to the Govt. of Punjab, Department of Industries & Commerce, Udyog Bhawan, Sector 17, Chandigarh on **04.12.2017** regarding drafting the “Process Flow” for granting Clearances/NOCs from various Departments/ Organisations for laying of Pipeline-City Gas Distribution (CGD) Network/Project in the State of Punjab by way of Single Window System.

LECTURES:

1. A Lecture & Power Point Presentation was delivered by Sh. K. P. Sharma, CE on 5/4/2017 at Regional Labour Institute, Sec. 47, Faridabad on the topic “Indian Explosives Act 1884, Explosives Rules 2008, Gas Cylinder Rules 2016 & SMPV(U) Rules 2016”.
2. A Lecture & Power Point Presentation was delivered by Sh. K.P Sharma, CE on 30/5/2017 at Regional Labour Institute, Sec. 47, Faridabad on the topic “Petroleum Act 1934 & Petroleum Rules 2002”.
3. A team of officers comprising Shri M. Manohar, Dy.CCE, Dr. B. Singh, CE and Dr. M. K. Samota, Dy.CE attended a mock drill on 25.08.2017 organised by M/s. IOCL, LPG

Bottling Plant, Madanpur Khadar, New Delhi.

4. Sh. M. Manohar, Dy.CCE attended “Workshop on RTI Act for PESO CPIOs” at HQ, Nagpur, on 18/9/2017.
5. Sh. R. K. Mandloi, Dy.CE, delivered power point presentation on “Gas Cylinder testing” at the O/o Jt.CCE Faridabad on 10/11/2017
6. Dr. A.P. Singh, Dy. CE delivered power point presentation on “Introduction of fireworks manufacturing” at the O/o Jt.CCE Faridabad on 17/11/2017
7. Dr. B. Singh, CE delivered lectures on Petroleum Rules, 2002 and SMPV(U) Rules, 2016 on 06.12.2017 in Regional Labour Institute, Faridabad.
8. A workshop has been organized on “Statutory requirement, testing procedure, online registration and revalidation of existing CNG cylinder testing stations” at PESO, Faridabad on 24/01/2018.
9. Sh. R. N. Meena, Jt. Chief Controller of Explosives, delivered lecture and power point presentation on statutory requirements and necessities of CNG cylinder testing stations in the workshop at PESO, Faridabad on 24/01/2018.
10. Sh. K. P. Sharma, CE delivered lecture on online registration and revalidation of existing CNG cylinder testing stations” in above workshop at PESO, Faridabad on 24/01/2018.
11. Sh. R. K. Mandloi, Dy.CE, delivered power point presentation on “Statutory requirement, testing procedure of CNG cylinder testing station, in the workshop at PESO, Faridabad on 24/01/2018.
12. A lecture was delivered by Sh. Nitin Goyal, Dy.CE, Jaipur on “Licensing issues for bottling of Bio Gas Scrubbing, Compression and storage system of biogas was organized in the premises of DryLand Farming Research Station (Maharana Pratap University of Agriculture & Technology) on 26.08.2017 during the 21 days ICAR sponsored programme at Bhilwara.
13. Dr A.P.Singh, DyCCE,Jaipur gave elaborated power point presentation in the workshop on safety in manufacturing, possession ,sale and transport of fireworks on 20/09/2017 which was conducted by Rajasthan Manufacturer and Dealers Associations. Around 50 licensees were present during this meeting.
14. Sh. D.V.Singh, DyCE,Jaipur gave power point presentation in the workshop on safety in construction of fireworks shop on 20/09/2017 which was conducted by Rajasthan Manufacturer and Dealers Associations.
15. Shri Nitin Goyal, DyCE,Jaipur gave power point presentation in the workshop on safety in construction of fireworks magazines and store houses on 20/09/2017 which was conducted by Rajasthan Manufacturer and Dealers Associations.

TRAINING:

1. Sh. R.K. Mandloi, Dy.CE attended a training Programme on 24/04/2017 to 29/04/2017 on “Capacity Building of Dy. Controllers of Explosives” at Departmental Testing Station Gondkhairy, Nagpur.
2. Sh. K.P. Sharma, CE attended a training Programme on 22/05/2017 to 24/05/2017 on “Capacity Building of Controllers of Explosives” at Departmental Testing Station Gondkhairy, Nagpur.
3. Sh. K.P. Sharma, CE attended a training Programme on PFMS, EIS, GeM and e-tendering from 1st February to 2nd February 2018 at office of Chief Controller of Explosives and Departmental Testing Station Gondkhairy, Nagpur. Mrs. Veena Soni & Sh. Umesh Kumar, UDC also attended the above training programme.
4. Sh. Manmeet Singh Manhas, Dy. Controller of Explosives, attended Training programme on “Capacity Building of Dy. Controllers of Explosives” from 24.04.2017 to 29.04.2017 held in the office of Dy. Chief Controller of Explosives, Departmental Testing Station, Gondkhairy, Nagpur.
5. Dr. Vivek Kumar, Controller of Explosives, Chandigarh attended RTI Training at Departmental Testing Station, Gondkhairy, Nagpur on 18.09.2017.
6. Dr. Sanjna Sharma, Dy. Chief Controller of Explosives, Chandigarh attended a capacity building programme for Dy. Chief Controller of Explosives in the office of Chief Controller of Explosives, Nagpur organized by NAPES&TS, PESO, Gondkhairy, Nagpur from 17-19 Jan. 2018.

VISITS:

1. A quality and quantity campaign was launched at one of the HPCL RO at Vidhyadharnagar, Jaipur on **18.04.2017**. Dr. A P Singh, Dy.CCE, Jaipur presided over the function as Chief guests. **(Photographs enclosed)**.
2. Inauguration of one RO plant on **26.04.2017** by Dr. A P Singh, Dy.CCE, Jaipur under Corporate Social responsibility organized by M/S Bosch Limited at Shrikishanpura Village Distt. Jaipur. Officials from local panchayat, villagers, Jila pramukh, Sarpanch were also present in the inauguration. **(Photographs enclosed)**
3. Sh. N.T.Shahu, Chief Controller of Explosives attended the inaugural ceremony at Barmer Refinery, inaugurated by Hon’ble Prime Minister of India on **16/01/2018**. Dr.A.P.Singh, Dy.CCE, Jaipur accompanied, Chief Controller of Explosives in the above programme.

SEMINAR:

1. Dr.(Mrs.) R.R.Gupta,CE,Jaipur attended capacity building programme for Controller of Explosives from 22/05/2017 to 24/05/2017 at DTS,Gondkhairy, Nagpur as per CCE, Nagpur memo No. A-42016/1/Training/Exp/ DTS dated 28/04/2017.

2. Shri D.V.Singh, Dy.CE,Jaipur attended Workshop on RTI ACT as CPIO at National Academy of Petroleum & Explosives Safety and Testing Station, Gondkhairy Nagpur on 18.09.2017.
3. A workshop on “Safety in manufacturing, possession, transport and sale of Fireworks” was organized by Rajasthan Fireworks Dealers and Manufacturer Association with technical support from Peso, Jaipur on 20.09.2017 in which Dr. S. Kamal, Former Chief Controller of Explosives, Nagpur Dr. A.P. Singh, Dy.CCE, Jaipur and Dy. Commissioner(Licensing), Jaipur addressed the gathering about the safety in manufacturing ,storage, sale and transport of fireworks. Sh. D.V. Singh, Dy. CE, Jaipur and Shri Nitin Goyal, DyCE, Jaipur also gave power point presentation.
4. Dr.A.P.Singh Dy.CCE,Jaipur attended capacity building programme for Dy.Chief Controller of Explosives from 17.01.2018 to 19.01.2018 at DTS, Gondhkhairy.
5. Dr.(Mrs.)RR Gupta,CE,Jaipur attended workshop for DDO on online transaction of payments through PFMS, E-tendering and purchase through GEM Portal on 01/02/2018 and 02/02/2018 at DTS,Nagpur.
6. Sh. D.N.P. Gupta,UDC in the O/o Dy.CCE,Jaipur attended workshop for DDO on online transaction of payments through PFMS, E-tendering and purchase through GEM Portal on 01/02/2018 and 02/02/2018 at DTS,Nagpur.
7. A level II Mockdrill was conducted by M/s. Bharat Petroleum Corporation Ltd, Nasirabad, District Ajmer on 15/03/2018 chaired by Shri Nitin Goyal, DyCE, Jaipur District Authorities and officials from Local Police were also present during this meeting. Spot prizes were also distributed for doing the excellent work during the mock drill.

Chapter-8

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

8.1 REPRESENTATION OF SCHEDULED CASTES/TRIBES/OBCs:

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

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

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

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

| Sr. No. | Category of Posts | No. of Scheduled Caste persons | No. of Scheduled Tribe persons | No. of Other Backward Classes persons |
|----------------|--------------------------|---------------------------------------|---------------------------------------|--|
| 1 | Group 'A' | 18 | 09 | 33 |
| 2 | Group 'B' | 09 | 03 | 05 |
| 3 | Group 'C' | 45 | 24 | 54 |
| 4 | Group 'D' | 14 | 06 | 07 |

8.2 REPRESENTATION OF PHYSICALLY DISABLED PERSONS IN SERVICE

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

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

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

VIGILANCE ACTIVITIES

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

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

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

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

1. Activities of sensitive nature have been identified and surveillance is maintained thereon.
2. Activities relating to frequent dealing with common public have been decentralized to the Circles & Sub-Circles, thereby reducing delay in disposals and reducing possibilities of malpractices.
3. Heads of the offices monitors activities of subordinate officers regularly.
4. Activities of Heads of Sub-Circle offices are monitored by Heads of Circle Offices.
5. The Chief Controller monitors activities of Heads of Circle offices and other offices of Head office.
6. Regular and surprise inspections are carried out by nominated officers and Heads of offices/organization to review sensitive areas/activities of officials.
7. Vigilance activity has also been extended to cover the visitors coming for meeting the concerned officers on official matters, by making a separate reception room, visitor's room and introducing a

system of issue of visitors passes which are to be signed by the concerned officers. Also the reception area, visitor's area, lobby etc. is monitored through CCTV system.

8. List of dealing officers with their authorized areas of activities have been conspicuously displayed in the reception room.
9. List of officials suspected to be indulging in malpractices is maintained and their activities are closely monitored.
10. Public complaints about malpractices are given top priority and are investigated by the Head of the Organization /Head of the Office.
11. Name and telephone number of the Head of the organization and Heads of offices have been notified under the 'Grievance Redressal' sub menu of Organizations web site <http://peso.gov.in> and redressal of genuine grievance / complaints of stake holders is assured in the Citizens Charter of the Organization, hosted on the website of the Organization with a view to facilitate easy access by the aggrieved parties.
12. The dealing officers and assistants are made acquainted with the provisions of conduct rules and instructions issued by the Government from time to time.

USE OF OFFICIAL LANGUAGE IN THE ORGANISATION

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

With the aim of ensuring maximum use and propagation of Hindi in the organisation, all possible steps were taken to implement the rules and provisions contained in the Official Language Act (Official Language Act), 1963 passed by the Parliament.

All efforts were made to achieve the targets laid down in the Annual Programme 2017-18 circulated by Department of Official Language to all the offices of Central Government. With the aim of increasing progressive use of Hindi in the official work and for effective implementation of official language Act, 1963, various sections of the office have been notified to do their maximum official work in hindi only. In pursuance of Rule 10 sub rule (4) of of the Official Language (Use for official purposes of the Union) Rules, 1976 almost all the offices of PESO have been notified in official gazette since 80% staff of the offices have acquired working knowledge of Hindi. This has helped a lot in fruitful contribution of fulfillment of constitutional mandate regarding use of hindi in official work

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

For promotion of Official Language Hindi – one word/quotation in Hindi with its English translation is displayed daily on the notice board. All letters received in Hindi are compulsorily replied in Hindi.

BILINGUALISATION OF THE WEBSITE

In compliance of the Official Language Policy of the Government, the official website of PESO has been made bilingual in English and Hindi and is updated at regular intervals. A separate link

“Rajbhasha” has been provided on the website under which organization’s activities, achievements, Annual Programme, etc. in respect of Official Language are displayed.

MONITORING AND INSPECTIONS

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

MONITORING DURING MEETINGS OF THE DEPARTMENTAL OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE

During the year, under the chairmanship of Chief Controller of Explosives, with other committee members, four meetings of the above Committee have been organized. Various important issues were discussed for effective implementation of the official language policy in PESO. The status of the Quarterly Report of all the offices of the organization regarding progressive use of Hindi is reviewed regularly by the committee and necessary action is taken in the matter. The Annual Programme issued by the Department of Official Language, Ministry of Home Affairs is discussed in the said meetings and check points are made at different levels for its effective compliance.

PARTICIPATION IN THE MEETING OF THE ADVISORY COMMITTEE OF DIPP

Chief Controller of Explosives attended Hindi Advisory Committee meetings under the chairmanship of Hon'ble Minister of Commerce and Industry, Department of Industrial Policy and Promotion regularly.

MEETINGS OF THE TOWN OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (TOLIC)

In order to ensure progress of Hindi, the officers of Head office as well as circle and sub-circle officers regularly attended the meetings of respective TOLIC.

Jt. Chief Controller of Explosives (HOD) and Hindi officer, Nagpur attended the 3rd & 4th half yearly meeting of Town Official Language Implementation Committee held on 25/05/2017 and 23.10.2017 respectively. In order to promote Hindi, Inter-office competition was organized on 05.08.2017 by PESO, Nagpur under the aegis of TOLIC, Nagpur. Employees of the offices participated in the various Inter-office competitions organised by other offices.

PUBLICATION OF HINDI MAGAZINE “VISPHOTAK DARPAN”

With the aim of increasing use of Hindi to the maximum and utilization as well as propagation of writing skills of the officers/employees, the 17th issue of in-house magazine, “Visphotak Darpan” was published during the Hindi Fortnight celebration. The Officers and staff of Head Office as well as circle and sub-circle offices contributed their articles, poems, etc. for the magazine. The various rajbhasha activities of the organization were also reflected in the magazine. A dedicated column is reserved in the Quarterly Newsletter of PESO highlighting activities thus promoting the use of official language Hindi.

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

HINDI TRAINING

To facilitate maximum work in Hindi, priority is being given to the work of imparting Training in Hindi, Hindi Typing, Shorthand, Pragma etc. and almost all the employees have been trained in Hindi.

IMPLEMENTATION OF OFFICIAL LANGUAGE POLICY

– USE OF MECHANICAL AIDS

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

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

BILINGUAL ONLINE LICENSING MODULES

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

ONLINE QUARTERLY HINDI PROGRESS REPORT MODULE

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

HINDI WORKSHOPS

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

HINDI FORTNIGHT

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

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

INCENTIVE SCHEMES

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

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

ACHIEVEMENTS

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

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

Received First Prize for Effective implementation of Official Language Hindi in PESO

Received 3rd prize for its Hindi Magazine “Visphotak Darpan” Issue-16

Hindi officer of the office was felicitated for her contribution as member of the Executive Committee/ Editorial Committee of TOLIC (1), Nagpur

- **O/o Jt. Chief Controller of Explosives, Central Circle, Agra**

Under Town Official Language Implementation Committee, Agra

The office of Joint Chief Controller of Explosives, Agra was awarded Second Prize, for the Year 2017-2018, for their excellent performance in implementation of Official Language by the TOLIC, Agra.

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

For the Year 2015-2016, the office of Joint Chief Controller of Explosives, Faridabad was awarded Second prize, for its excellent performance in implementation of Official Language by the Regional Implementation Office, Faridabad.

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

For the Year 2015-2016, the office of Joint Chief Controller of Explosives, Mumbai was awarded Third prize, for its excellent performance in implementation of Official Language by the Regional Implementation Office, Mumbai.

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

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

Chapter-11

INSPECTIONS OF LICENSED/APPROVED PREMISES

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

UNDER EXPLOSIVES ACT, 1884

During the year, 21128 premises (out of total 116851 units licensed) were inspected. This amounts to inspection of 18.08 % of the total premises. The inspected premises mentioned above include 7027 licensed premises under Explosives Rules, 2008; 4779 licensed premises under Gas Cylinder Rules, 9095 licensed premises under SMPV (U) Rules and 227 licences premises under Ammonium Nitrate Rules, 2012.

UNDER PETROLEUM ACT, 1934

During the year, 7279 premises licensed were inspected, which amounts to about 3.73% of the total 195015 licensed premises. The above inspections include 7247 premises licensed under Petroleum Rules, 2002 and 32 premises licenced under Calcium Carbide Rules, 1987.

In all out of 311866 premises covered under various licenses granted by this Organization under various Acts & Rules, 24,158 premises (3.73%) were inspected during the year 2017-18. Statistical information about the premises licensed/approved under various Acts & Rules and inspections carried out thereof are given in Table-I. Details of cancellation, surrender, suspension, revocation of orders and issue of show cause notices are summarized in table II. Details of production of different types of explosives during the last 5 years are summarised in table III.

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

TABLE – I
DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR 2017-2018

| Rules | Total as on 31.03.2017 | License in the year 2017-18 | Total as on 31.03.18 | No. of Inspections in the year 2016-17 |
|-----------------------------|-------------------------------|------------------------------------|-----------------------------|---|
| Ammonium Nitrate Rule, 2012 | 1205 | 330 | 1384 | 227 |
| Explosives Rules, 2008 | 47265 | 4345 | 47593 | 7027 |
| Gas Cylinder Rules, 2004 | 26420 | 2131 | 27794 | 4779 |
| SMPV(U) Rules, 1981 | 33813 | 11620 | 40080 | 9095 |

| | | | | |
|-----------------------------|-----------------|--------------|---------------|---------------|
| Petroleum Rules, 2002 | 189434 | 16440 | 194485 | 7247 |
| Calcium Carbide Rules, 1987 | 514 | 16 | 530 | 32 |
| Total | 2,98,651 | 34882 | 311866 | 28,407 |

TABLE II
DETAILS OF CANCELLATION, SURRENDER, SUSPENSIONS AND REVOCATION
CARRIED OUT DURING THE YEAR 2017-2018

| Sr. No | RULES | Cancellation of licence | Surrender of licence | Interim suspension of licence | Suspension | Revokation | Show cause notice |
|--------|-----------------------------|-------------------------|----------------------|-------------------------------|------------|------------|-------------------|
| 1 | Ammonium Nitrate Rule, 2012 | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Explosives Rules, 2008 | 4 | | 127 | 461 | 256 | Nil |
| 3 | Gas Cylinder Rules, 2004 | 18 | 93 | 3 | 41 | 118 | 182 |
| 4 | SMPV(U) Rules, 1981 | 222 | 3613 | 3 | 41 | 58 | 132 |
| 5 | Petroleum Rules, 2002 | 171 | 796 | 27 | 113 | 239 | 392 |
| 6 | Calcium Carbide Rules, 1987 | Nil | Nil | Nil | Nil | 1 | 1 |
| | Total | 415 | 4502 | 160 | 656 | 672 | 707 |

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

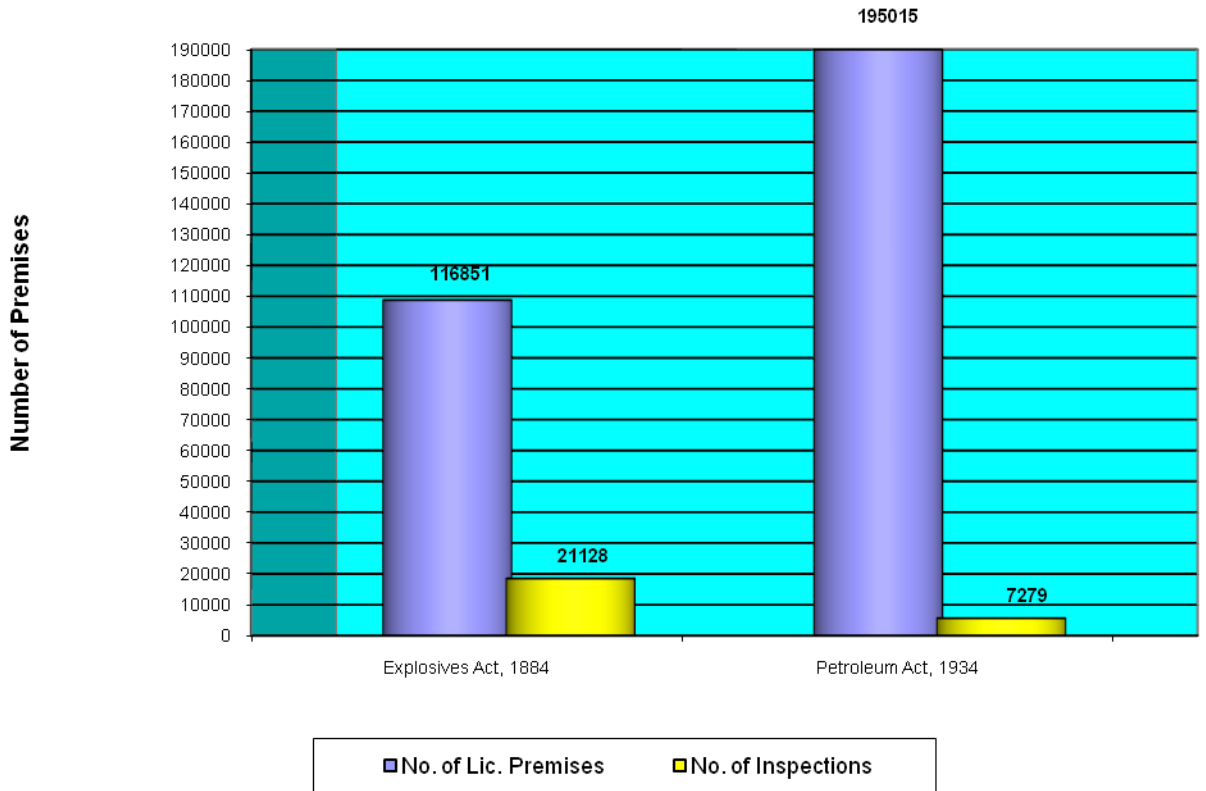


Table – III

Production of different types of explosives during last 5 years

| Description | Annual Installed Licenced capacity(MT) | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-2018 |
|---|---|------------------|----------------------|----------------------------------|----------------------------------|--|
| Class 1 Gun Powder (Metric Tonnes) | 856 | 549 | 535.327 | 552.165 | 662.038 | 684.914 |
| Class 2 (a) Cartridges (b) Site Mixed (Metric Tonnes) | 6,91,046 | 269999 521419 | 344146.4 604234.6 | 378989.9 57 762850.3 79 | 409488.8 73 802238.1 08 | 475957.172 844193.966 |
| Class 3 Div-1(NG) Class 3 Div-2 Booster and PETN* (Metric Tonnes) | 16,33,675 | 6186 | 7015 | 7996.384 | Nil 9079.647 | Nil 9207.044 |
| Class 6 Div 1 Safety Fuse (Million meters) | 21,150 | 75 | 68.7 | 61.1 | 53.26 | 58.952 |
| Class 6 Div 2 Detonating fuse (Million mtrs) | 262 | 428 | 457.7 | 479.6 | 612.828 | 674.976 |
| Class 6 Div 3 Detonators (Million no.) | 708 | 1032 | 906.7 | 969 | 1120.731 | 983.962 |

*PETN- Penta Erythritol Tetra Nitrate

ACCIDENT INVESTIGATION DURING THE PERIOD 2016 -2017

SOUTH CIRCLE, CHENNAI

A. EXPLOSIVES ACT, 1884

A.1 Explosives Rules, 2008

1. Date: 27.4.17 Killed: Nil Injured: Nil

Fire/explosion occurred on 27.4.17 in the pellet making shed of M/s Shri Krishnasamy Fireworks Industries covered under licence No. E/HQ/TN/20/1253(E61536) while carrying out manufacturing of aerial fireworks. In the accident no one was killed or injured.

From the circumstantial evidence and lab report and statement of witness, it is evident that uncoated red colour and green colour pellets were being manufactured day previous to accident day were not dried properly and same were stored in excess overnight in the pellet making shed. Due to embedded moisture inside the red colour pellets initiated the decomposition and subsequently exploded the quantity of other colour pellets.

2. Date: 25.5.17 Killed: Nil Injured: Nil

Fire/explosion occurred on 25.5.17 in M/s The Ravindra Fireworks covered under licence no. E/HQ/TN/20/871 (E32164) due to lightning. In the accident no one was killed or injured. Lightning was the cause of accident.

3. Date: 20.7.17 Killed: 02 Injured: 04

Fire/explosion occurred on 20.7.17 in the fireworks factory M/s VGR Fireworks covered under licence No. E/SC/TN/20/507 (E48272) while manufacturing of chorsa fireworks in an open area near the shed no.7. In the accident, 2 persons died and 4 persons sustained burn injuries.

4 Date: 26.8.17 Killed: Nil Injured: 01

Fire/explosion occurred on 26.8.17 in tablet making shed of M/s Shri Murugan Serpent Eggs factory covered under Licence No. E/SC/TN/20/23 (E10490) while manufacturing of serpent eggs from the composition by using manual tablet making machine in the shed. In the accident, one person sustained burn injuries. It is evident that during tableting operation by machine, the forward and backward movement of the feeding funnel over the iron supporting plate developed friction which might have generated a spark and subsequent resulted into fire.

5. Date: 17.11.17 Killed: Nil Injured: Nil

Fire/explosion occurred on 17.11.17 in the fireworks magazine M/s Dawn Fireworks Industries covered under licence No. E/HQ/TN/21/899 (E4995). In the accident no one was killed or injured.

6. Date: 12.12.17 Killed: Nil Injured: Nil

Fire/explosion occurred on 12.12.17 in the fireworks factory of M/s Pandilakshmi Fireworks Factory covered under licence No. E/HQ/TN/20/1360 (E84091). In the accident no one was killed or injured.

7. Date: 2.2.18 Killed: Nil Injured: 02

Fire/explosion occurred on 2.2.18 in the fireworks factory of M/s Sundaravel Amores Industries covered under licence No. E/HQ/TN/20/353 (E24725). In the accident,, two person sustained burn injuries.

8. Date: 2.2.18 Killed: 02 Injured: 01

Fire/explosion occurred on 2.2.18 in the fireworks factory of M/s Sedupathy Fireworks Industries covered under licence No. E/SC/TN/20/473 (E50684) while manufacturing flower pot (fireworks). In the accident, two persons died and one person sustained burn injuries.

9. Date: on 19.2.18 Killed: 02 Injured: Nil

Fire/explosion occurred on 19.2.18 in the fireworks factory of M/s Atlas Fireworks Factory covered under licence No. E/HQ/TN/20/1128 (E40541). In the accident, two persons died.

10. Date: 22.2.18 Killed: Nil Injured: 01

Fire/explosion occurred on the fireworks factory of M/s Vadivel Pyrotechs Private Limited covered under licence No. E/HQ/TN/20/1354 (E79156) during the ring cap ameres sheet packetting and finishing work. In the accident, one person sustained burn injuries.

11.Fire/ Explosion occurred on 05.09.2017 at 03.00 AM in a magazine located at Survey No. 284/1B, Kulithalai, Taluk, Naganur, Karur, Tamilnadu.

The most probable cause of accident may be lightning & thunderstorm.

12. Date : 24/09/2017 Killed - 1 Injured - 1

An accident has occurred on 24/09/2017 in the PETN plant (Building No.12) of M/s. Gauthami Explosives Private Limited situated at Kollur and Sharajpet Village, Aler Mandal, Nalgonda District.

On 24/09/2017, the management of M/s Gauthami Explosives Pvt. Ltd. undertook maintenance and cleaning job in PETN Building No.12 in the Granulation Section. They wanted to remove the PETN Dissolver Vessel for undertaking some mechanical maintenance work. In the forenoon, the maintenance workman Mr. Siddhulu and Mr. Manoj started unscrewing the bolts and nuts of the Dissolver Vessel. Two of the tripod pedestal leg bolts that are holding the Dissolver Vessel were unscrewed and while unscrewing the third leg of the tripod pedestal, the spanner got disengaged from the bolt and nut and hit his face. Blood started oozing out and since no Disaster Management activities were in place, it took more time to shift the injured to Hospital. Mr. Sidhulu succumbed his injuries at the Hospital. The second operator got injured to his right hand. The accident is under further investigation.

13. Killed – 1, Injured – nil

An explosion occurred in the Cubicle No.5, Building No.1 of M/s Ideal Detonators Pvt. Ltd. while manufactured Lead Azide was being washed with IPA solution in the Vacuum filtration System. On 20/11/2017, Shri Shankar, Supervisor/ Operator reported to duty in first shift at 6.00 in the morning in Building No.1. In Cubicle No.5 of the Building, Shri Lingaraja Kumar Meher, helper was engaged in the work of lead azide washing. As stated by Shri Shankar, he has brought lead azide manufactured to the Cubicle No.5. He has already washed one batch with IPA solution and he has started washing the second batch in the Vacuum Filter System. All of a sudden, it has exploded. As a result, Shri Linga Raja Meher died. The accident is under further investigation

14. Killed – nil Injured - nil

A fire accident occurred to the explosive van bearing Regn.No.TS-05/UB-3477 at Outer Ring Road (ORR), Shamirpet, Dist. Ranga Reddy, Telangana on 15/03/2018 at 7.25 p.m. After loaded with 15 MT of Class 2 explosives at M/s Salvo Explosives & Chemicals Pvt. Ltd., the vehicle proceeded towards M/s. Singareni Collieries Company Limited, Upperlasesaram Village, District- Karimnagar. When the vehicle was plying near Outer Ring Road, Shamirpet, the Police on patrolling duty saw fumes emanating inside the explosive van. The policemen asked the driver of the explosive van to stop the vehicle. By that time, flame engulfed the explosive van completely.

15. On 23.12.2017, at about 1430 hrs. there was a fire and explosion in the Iron Ore Mine site/non mining area of M/s. RBSSN Ltd., Karigannur Mine located at the hilltop. The investigating office, Dy. Chief Controller Of Explosives Mangalore who also conducted destruction of unserviceable explosives of M/s. RBSSN Ltd. & M/s. Sukhdev Infrastructure in the same mining site on the same day in the noon up to 1400 hrs, stopped the destruction activities and advised the persons assisting in destruction to desist from any activity till his return and await further advice/direction to resume destruction. Suddenly, a fire and

explosion occurred at the site at 02.30 PM on 23.12.2017. Exact reason is yet to be ascertained. However, it was gathered during informal enquiry that the ordinary detonators were thrown in to a pit (used for Class 2 LD burning), which was already hot and simmering, resulted in the fire and explosion in which five people sustained burn injuries.

16. **Date:** 06.04.2017 **Place:** Hosur, Dist. Krishnagiri, Tamil Nadu.

Killed – 1 Nos **Injured** - Nil

An explosion occurred in rough stone quarry. The cause of accident was due to accidental initiation of the charged explosives due to lightning.

Gas Cylinder Rules, 2016

1. **Date** 14/09/2017 **Killed** - Nil **Injured** - Nil

An accident involving fire followed by bursting of LPG cylinders occurred on 14/09/2017 at about 2030 hours inside the LPG cylinder filling shed on 66 Head Carousel at M/s. Hindustan Petroleum Corporation Limited LPG Bottling Plant situated at IDA Cherlapally, Hyderabad. From the verification of the various documents, interrogation of the officers and other permanent and contract employees, it can be seen that M/s HPCL has not undertaken comprehensive annual maintenance contract. In the absence of such Annual Maintenance Contract, it is difficult to ensure proper maintenance of each and every part of the carousel. Spare parts have been replaced during several instances with local ones which have severely affected the integrity, safety and performance of the sophisticated system. Maintenance has not been carried out systematically. Such sophisticated systems require well trained and competent Technical manpower for maintenance and upkeep which was completely lacking. On the basis of visits and observations at the accident site, findings of level of damages, test reports of agencies, interview of eye witnesses, analysis of documents, minutes of service contract meetings and log books the causes of incident are clearly traced to basic factors, contributory factors and systemic factors all of which failed in a sequence of chain events leading to catastrophic failure of major consequence.

A. PETROLEUM ACT, 1934

1. **Date : 13/07/2017** **Killed:** Nil **Injured:** Nil

A fire accident occurred on 13/07/2017 at the Retail Outlet (RO) of M/s Bharat Petroleum Corporation Ltd. situated at Plot no. 533/2. Mr. Prashant Yadav, Deputy Controller of Explosives, investigated the case.

In investigation, the probable cause of fire was identified as short circuit resulting in generation of high temperature and heat which lead to spark and smoke by burning of insulation of electrical cable. But absence of any potential fuel source and swift action of RO attendants averted any possible mishap.

2. Date : 12/01/2018 **Killed** – 1 **Injured** – 14

A massive fire and explosion occurred at a workshop of Shri K. Raju, S/o Shri Babu Rao located at Changicherala Cross Road, Medipalli, Ranga Reddy Dist., Telangana involving 2 petroleum road tankers on 12/01/2018. The tanker mainly involved in the accident is the tank truck bearing licence No. P/SH/TG/11/13486(P341445) and Vehicle Registration No. AP 16 TV 0206. On the day of accident, the above referred tank truck was loaded with 20 KL MS from Essar Petroleum Retail Outlet at Kakinada, Andhra Pradesh and despatched to the Retail outlet of M/s PC Rathore and Co. at Langer House, Hyderabad. The vehicle instead of going to the proposed retail outlet, the vehicle deviated their route to the above mentioned workshop. As per work shop owner, the driver and the cleaner along with his employees started pilferage operations. At that time, some leakage or spillages has occurred, a spark may have generated from variable sources. This has ignited the petroleum in the road tanker leading to the explosion. The accident is under further investigation.

3. Date: 31.01.2018 **Place:** Shoolagiri, Dist. Krishnagiri, Tamil Nadu.

Killed – Nil **Injured** - Nil

A minor fire accident occurred at HPCL retail outlet during unloading of MS fuel from the tank truck to the underground tank. The cause of accident was due to lack of electrical continuity in the fuel dispensing hose leading to accumulation of static charges causing fire.

WEST CIRCLE, NAVI MUMBAI

A. EXPLOSIVE ACT, 1884

A.1 Explosives Rules, 2008

1. Accident No. ACC/WC/17/3, **Date:** 02/05/2017, Time:15.30 HRS

Injured–Nil Killed–Two **PLACE:** SHIRSOL, DIST: JALGAON, MAHARASHTRA

An accident occurred in the chemical mixing shed of M/s. Shama Fireworks Industries, Jalgaon District. Evidences available at the scene of occurrence, statement of the workers and from the forgoing discussion, it may be possible that the accident might have occurred due to friction between the Iron nails and mesh of the sieving implement and the white powder composition.

2. Date: 15/11/2017 Time 3.00hrs. **Killed – 01** **Injured - 01**

PLACE: TALEGAON (RAGHUJI) **DISTRICT:** WARDHA, MAHARASHTRA

One fire accident/explosion occurred on 15th November 2017 at 3.00 PM at the waste burning area of explosive premises belonging to M/s. Aravali Explosives & Chemicals located at Survey no.37 ,38 , 39,40, 162,164 Talegaon(Raghuji) involving licenceNo.E/HQ/MH/20/60(E41019) in Form LE-1 and E/HQ/MH/20/43(E32579) also in Form LE-1 of Explosives Rules 2008.The accident occurred while burning the waste explosives material at the burning site of factory. The probable cause of accident is under investigation.

A.2 AMMONIUM NITRATE RULES, 2012

1. Date: 05/04/2017, Time : 09.30 AM

Injured –Nil, **Killed – Nil**

PLACE: ROHANA PHATA, BULDHANA **STATE:** MAHARASHTRA

An accident occurred on the road while negotiating the turn by the truck, the pin which connects the prime mover and the trolley was broken which resulted into the separation of the prime mover and the trolley. Due to this the trolley was overturned.

A.3 SMPV(U) Rules, 2016

1., Date: 22/06/2017, Time:08.30 PM

Injured–One, **Killed–Nil**

PLACE: KALAMBOLI **DISTRICT:** RAIGAD**STATE:** MAHARASHTRA

An accident occurred on the road, when the driver of the LPG tanker moved the vehicle towards on its way to left side of the road on noticing the twospeedy trucks trying to cross each other on the opposite direction. While doing so, the tanker, suddenly, slipped off the road and overturned and fell into a ditch situated on the left side of the road.

2. **Date:** 26/08/2017, Time:04.30 PM

Injured–Nil, Killed–Nil

PLACE: CHEMBUR DISTRICT: MUMBAI STATE: MAHARASHTRA

An accident occurred while filling LPG in a pressure vessel fitted to the vehicle from the bay No.1 of M/s. HPCL's filling plant at Mahul Mumbai. As the driver started the vehicle prior to disconnecting the delivery hoses from the 2" liquid line and 1.5" vapour line of the internal excess flow valves, there was a bent on the treaded connection of the liquid line of the internal excess flow control valve (2" NPT) fitted to the vessel lying between top of the vessel and the tank which caused leakage of LPG from the liquid line.

3. **Date:**10/09/2017, Time:07.00 PM

Injured–One, Killed–Nil

PLACE: DHULE JALGAON HIGHWAY, PAROLA DISTRICT:JALGAON
STATE: MAHARASHTRA

An accident occurred on the road, when the driver of the LPG tanker moved the vehicle towards on its way to left side of the road on noticing the twospeedy trucks trying to cross each other on the opposite direction. While doing so, the tanker, suddenly, slipped off the road and overturned and fell on the side of the road.

4. **Date:**10/09/2017, Time:04.00 PM

Injured–Nil, Killed–Nil

PLACE: MURTIJAPUR DISTRICT: AKOLA STATE: MAHARASHTRA

An accident occurred on the road, when the driver of the LPG tanker moved the vehicle towards on its way to left side of the road on noticing the twospeedy trucks trying to cross each other on the opposite direction. While doing so, the tanker, suddenly, slipped off the road and overturned and fell on the road.

5. **Date:**19/01/2018, Time:02.35 AM

Injured–Nil, Killed–Nil

PLACE: MARMUGAO DISTRICT: SOUTH GOA STATE: GOA

An accident occurred on road, when the LPG tanker tried to avert the collision with a four wheeler which came suddenly in front of the tanker, it hit the divider of the road and overturned. Due to this, cracks were developed in the vessel and leak of LPG was caused.

6. **Accident No.ACC/WC/18/4, Date:19/02/2018, Time:05.20PM**

Injured–Nil, Killed–Nil

PLACE: ROHA MIDC DISTRICT: RAIGAD STATE: MAHARASHTRA

An accident occurred in a liquid Nitrogen storage installation situated in a factory premises of M/s. DRT Anetha Aroma Chemicals Pvt. Ltd. At Roha MIDC. The accident occurred due to the fire spread out from the plant No.3 to the installation.

7. **Date:03/07/2017, Time:01.30PM**

Injured–Nil, Killed–Nil

PLACE: MIRA BHAYANDER DISTRICT: THANE STATE: MAHARASHTRA

An accident occurred on road, while the LPG tanker was moving on a slippery road of hilly area on Ghodbunder. When the driver applied a sudden break to control the speed of vehicle, the vehicle overturned on its way to left side.

8. **Date:25/01/2018, Time:12.45PM**

Injured–One, Killed–Nil

PLACE: CHAMBUR DISTRICT: MUMBAI STATE: MAHARASHTRA

An accident occurred on road, when the driver of the LPG tanker trying to take the vehicle on its way to left side, after noticing an Auto was coming from his left side by crossing the red signal at four way crossing point at Ghodbunder Chowk, Kashimira Road, Thane. While doing so, suddenly the vehicle slipped off the road and overturned and fell on the road.

9. **Date:09/06/2017, Time:01.10 PM**

Injured–Nil, Killed–Nil

PLACE: NH-52, ARVI VILLAGE DISTRICT: DHULE STATE: MAHARASHTRA

An accident occurred on the road when the vehicle bearing Reg. No.MH-02 BJ4860 which came on opposite side of the road at high speed hit the vehicle bearing Reg. No.MP-09 HH5459 which was

carrying ammonium nitrate bags while taking a turn on its way to right side for fueling the vehicle which resulted in accident.

10. Injured: Nil, Killed: Nil

PLACE: VALSAD DISTRICT: VALSAD STATE: GUJARAT

An accident due to leakage of ammonia either from the vapour nozzle joint at the weld cap or from the flange of the vapour valve of the ammonia road tanker happened on 03.10.17 in Valsad, Gujarat. The accident happened when unloading of the said tanker was going on in one of the Ammonia static tanks. The cause of the accident was due to leakage of vapour nozzle joint at the weld cap which had been repaired earlier with an M-seal.

A.4 Gas Cylinder Rules, 2004

1. Injured: Two, Killed: Nil

PLACE: RAJKOT DISTRICT: RAJKOT STATE: GUJARAT

A fire accident occurred on 20.09.17 in one of the CNG Dispensing Station cum retail outlet in Rajkot, Gujarat when one auto-rickshaw caught fire while dispensing of CNG in its on-board CNG cylinder was going on. Two persons sitting inside the auto-rickshaw received minor burn injuries. The cause of the accident is under investigation.

2. Injured: Nil, Killed: Nil

PLACE: BHAVNAGAR DISTRICT: BHAVNAGAR STATE: GUJARAT

An accident due to explosion of the onboard cylinder of the car occurred during refuelling of this cylinder at one of the CNG dispensing station in Bhavnagar, Gujarat. The car was fitted with Auto LPG Cylinder and not CNG cylinder. The cause of the accident may be due to the dispensing of CNG in this Auto LPG cylinder which exploded within no time once CNG dispensing was started. In this accident the car turned into pieces.

B. PETROLEUM ACT, 1934

A.1 Petroleum Rules, 2002

1. **Date:** 14/08/2017, Time: 07.30 PM

Injured–Five, Killed–Nil

PLACE: CUFFE PARADE DISTRICT: MUMBAI STATE: MAHARASHTRA

An accident occurred in a service station situated at Cuff Parade, Mumbai while decanting the petroleum from the tanker to the underground tank. Cause of the accident is under investigation.

2. **Date:**06/10/2017, Time:04.30 PM

Injured–Nil, Killed–Nil

PLACE: BUTCHER ISLAND DISTRICT: MUMBAI STATE: MAHARASHTRA

An accident occurred in a service station situated at Butcher Island, Mumbai. The evidences available at the scene of occurrence indicate that the accident might have occurred due to lightning.

3. **Injured: Nil, Killed: One**

PLACE: SURAT DISTRICT: SURAT STATE: GUJARAT

A fire accident occurred on 18.05.17 in one of the retail outlet in Surat, Gujarat when one motorcycle caught fire while refuelling of its tank was going on. During extinguishment of the fire one of the employees of the retail outlet died. This happened when cap assembly of the fire extinguisher which he used got ruptured and hit him on the chin and the neck.

4. **Injured: Nil, Killed: One**

PLACE: KUTCH DISTRICT: KUTCH STATE: GUJARAT

A fire accident occurred on 23.09.17 in manifold of petroleum pipelines running from Jetty to Storage terminal in Kutch, Gujarat. One person present at the site of accident tried to isolate the manifold from jetty end by closing isolation valves provided on the manifold. Before the task could be completed the fire engulfed the whole area and that person sustained major burn injuries and died on the spot.

5. **Date:**29/03/2018, Time:02.00 PM

Injured–Nil, Killed–Nil

PLACE: SOLAPUR RLY LINE DISTRICT: SOLAPUR STATE: MAHARASHTRA

An accident occurred in a service station situated at Solapur While decanting petroleum product from the tank lorry having four compartments of 3 KL each. During the process of decantation of MS from the compartment No.3, suddenly a flash fire broke out in the fill point chamber. Cause of the accident is under investigation.

6. **Injured: Nil, Killed: Nil**

PLACE: CHHOTA UDAIPUR DISTRICT: CHHOTA UDAIPUR

STATE: GUJARAT

A fire accident occurred on 15.10.17 in one of the retail outlet in Chhota Udaipur, Gujarat when one motorcycle caught fire while refuelling of its tank was going on. The cause of the accident is under investigation.

7. Injured: Nil, Killed: One

PLACE: VADODARA

DISTRICT: VADODARA STATE: GUJARAT

On 11.11.17 an accident occurred in Vadodara, Gujarat due to fall from a height around 24 m of a Steel pipe used for scaffolding erection. This pipe hit one person standing on the floor. The person succumbed to his injuries in the hospital.

8. Injured: Two, Killed: One

PLACE: BHARUCH

DISTRICT: BHARUCH

STATE: GUJARAT

A fire accident occurred on 04.02.18 in Bharuch, Gujarat when Solvent Recovery Unit caught fire in one of the leading pharama industry. Lot of drums filled with recovered solvent were placed around the unit. These drums fuelled the fire which engulfed whole of the solvent recovery unit. The spark generated from Non-flameproof fittings fixed inside the plant led to the start of the fire.

9. Injured: Nil, Killed: Nil

PLACE: DAHOD

DISTRICT: DAHOD STATE: GUJARAT

A fire accident occurred on 07.03.18 in one of the retail outlet in Dahod, Gujarat due to short-circuiting inside the sales building. Fire was fed by a lot of samples bottles kept inside the sales building. At the time of start of fire three persons sitting inside the sales room sustained burn injuries out of which one succumbed to his burn injuries in the hospital later

CENTRAL CIRCLE, AGRA

A. EXPLOSIVES ACT, 1884

A.1 Explosives Rules, 2008

1. Date: 18/04/2017 Place : Ranipura, Indore, Dist : Indore, M P,

1. Date : 15/04/2017 Place : Ghat Pipariya, Multai, Dist : BETUL

Killed : Nil Injured : Nil

A fire accident took place at the location, while unloading the tank lorry ,near the fill point of the underground storage tank. Fire of the fill point was controlled but tank lorry caught fire and burnt completely. During investigation, it was observed that the crocodile clip attached with flexible cable was of ordinary iron metal .Thus there are chances of accumulation of statical charge.

2. Date : 20/05/2017 Place : Village - Dildarnagar Zamaniya District: Gazipur

Injured : Nil Killed : Nil

On 20.05.2017 at about 11.17 am two nozzle men were busy in refueling mostly two wheelers at retail outlet of M/s. Essar Oil Ltd., Maidpur, Zamaniya, Ghazipur (U.P.). Tank of a splendor motorcycle was filled with M/S. Essar Oil Ltd for Rs.1000/-. As the rider of motorcycle kicked his motorcycle, all of sudden fire appeared in and around motorcycle and in no time engulfed whole of motorcycle and damaged dispensing unit of M/s. Essar Oil Ltd.

**3. Date : 21.05.2017. Place – M/s. Bharat Petroleum Corporation Limited, Village-
Beludi, Dist. Balod. (C.G.)**

Killed : Nil Injured : Nil.

Fire accident occurred on 21.05.2017 at about 01.25 AM in petroleum retail outlet of M/s. Bharat Petroleum Corporation Limited, at Khasra No. 156/1, 156/2, P.H. No. 43/55, Village- Beludi, Dist. Balod. (C.G.) As per inspection of the site of the accident and petroleum retail outlet involved in the accident and on the basis of CCTV footage, it was caused due to sabotage at the retail outlet by an unknown person from outside.

4. Date : 03/02/2018 Place : Rudrapur , Dist : Udham Singh Nagar, Uttarakhand

Killed : Nil Injured : Nil

A fire accident occurred on 03.02.2018, 08.30 AM within petroleum installation of M/s Reliance Industries Limited situated at Village-Bhamraula, Rudrapur Kichha Road, Rudrapur District- Udham Singh Nagar covered under licence no. P/HQ/UC/15/676 (P 363259) involving petroleum road tanker bearing registration no. UK 18CA 1289 covered under licence no. P/NC/DL/11/5296 (P 377694). Injured-Nil, Killed-Nil. Preliminary accident investigation report sent to the Chief Controller of Explosives, Nagpur through the Joint Chief Controller of Explosives, Central Circle, Agra. The exact cause of accident will be given in final report.

5. Date: 25/03/2018 Place : Gotegaon, Dist :Narsinghpur, M.P.

Killed : Nil Injured : 02

A fire accident happened in the BPCL RO premises at Gotegaon Dist Narsinghpur during the unloading of the tank lorry . During the unloading process, the driver observed some leakage of the MS near fill point. He started collecting spilled over product with foam material and suddenly fire caught near the fill point of the underground storage tank. The probable reasons for the accident may be that the threads of hose was not properly connected to the fill point leading to the leakage. Driver also started collecting spilled MS near fill point with foam material which might have created static charge in vapour cloud .

NORTH CIRCLE, FARIDABAD

A. EXPLOSIVE ACT, 1884

A.1 Explosives Rules, 2008

i) Date: 12.06.2017 Place: Sunam, District Sangrur, Punjab

An accident occurred at the Fireworks Shop/Premises of Shri Raj Kumar, situated at Survey No. 63/86(427), Nilawal Road, Sunam, Sangrur, Punjab covered under licence no. E/NC/PB/24/80(E28492) in Form LE-5 of Explosives Rules, 2008. There is possibility of explosion in the raw material of fireworks kept in the premises, as illegal manufacturing of fireworks in the premises was reported by the local residents during visit of officer to the site.

Injured: 26

Killed: Nil

ii) Date: 19.09.2017 Place : Sular Gharat, District Sangrur, Punjab

A fire/Explosion occurred at the Fireworks Premises of Smt. Sulochna Rani at Village Sular Gharat, District Sangrur, Punjab licensed by the District Magistrate, Sangrur. Manufacturing of the fireworks was being carried out in the premises which was a residential house. There is possibility that raw material/unfinished/finished fireworks kept in the premises got ignition from electrical spark (as the house was having electrical fittings for illumination) due to impact/friction and led to explosion.

Injured: 4

Killed: 7

iii) Unauthorised premise:

A fire cum explosion accident occurred on 20.01.2018 at around 7.0 pm in an unauthorized manufacturing /packing/storage factory of fireworks, situated at F-83, sector 5, Bawana industrial area, Delhi. During manufacturing/packing of fireworks, fire explosion occurred, which engulfed the whole building resulted death of 17 persons and severe injury to 2 persons.

Injured: 2

Killed: 17

iv) Date: 18.10.2017 Place: Patiala, District Patiala. Punjab

A fire/explosion occurred in the Temporary Fireworks Shops set up at Dushehra Ground, Urban Estate, Phase-I, Patiala, Punjab. Fireworks kept in one of the shop in the cluster caught fire probably due to spark in the electric circuit of the shop. Fire got quickly propagated to other fireworks shops and soon engulfed all the temporary fireworks shops established in the ground.

Injured: Nil

Killed: Nil

v) A fire/explosion occurred on 7th July 2017, at about 10.11 AM at the unauthorized Fireworks premises of M/S Kailash Chandra Vyas (Parikh) S/o Amrit Lal Vyas, located at Songiri Kuan, Deedo Sipahiyon Ki Gali, Bikaner District Bikaner, State: Rajasthan. The premises not covered under Explosives Rules 2008. DM Licence No. 01/99.

Killed: 12 Injured: 7

Gas Cylinders Rules, 2016

Date: 13.01.2018

**Place: Sheikhen Pind, Mubarakpur,
District Jalandhar, Punjab**

A fire/Explosion occurred at the LPG Cylinder Testing Station of M/s Mahajan Cylinders located at Khasra No. 13/1 & 13/2, P.O. Sheikhen Pind, Village Mubarakpur, Jalandhar, Punjab covered under Approval No. G.3 (3)29/196 dated 14.09.2017. Cylinder testing activities i.e. degassing and painting are not being carried out at the designated areas as per the plan/ practice of proper degassing of LPG cylinders in degassing area was not being followed by the firm. This had probably led to the accumulation of LPG vapours and paint fumes inside the shed and that might have caught ignition from LPG stove in labour room (near Hydro testing Station) or spark from non-flameproof electric equipments placed in the shed i.e. pedestal fan, ceiling fan, electric switches or bulbs.

Injured: 14

Killed: 3

Static and Mobile Pressure Vessel (Unfired) Rules, 2016:

i) An accident occurred in an unauthorized carbon dioxide premises on 08.09.2017 at around 8.30am. It was found that the premises was having the unauthorized bulk storage facility of the carbon dioxide filling and storage facilities of carbon dioxide into cylinders. During loading operation of unauthorized tanker by connecting vapour and liquid line couplings with hoses of tanker from the said storage vessel, an accident took place as driver of the vehicle moved the vehicle without detaching couplings and closing of the valves, resulting rupturing of vapour and liquid MS pipeline connected to the vessel. This resulted profound leakage of carbon dioxide in the surrounding leading to spot death of one person due to suffocation and injury to four persons.

Injured: 4

Killed: 1

ii) **Date: 25.10.2017**

Place: Derabassi, District SAS Nagar Punjab

An accident of Ammonia Road Tanker occurred at Ambala Chandigarh Highway, Near Dappar Toll Plaza, Derabassi, S.A.S. Nagar, Punjab covered under licence no. S/NC/DL/04/5191(S43062) in Form-IV of SMPV(U) Rules, 2016. The Ammonia Tanker has overturned on the road when the tanker driver tried to save the car overtaking the tanker from wrong site. Prime mover got detached from the tanker and due to jerk, liquid valve (on top of the vessel) got slightly damaged from root joint on the shell of the tanker. Ammonia leakage started from the damaged Liquid Valve.

Injured: Nil

Killed: Nil

PETROLEUM ACT, 1934

Petroleum Rules, 2002:

- i) An accident occurred on 17.11.2017 at around 11.50am in Delayed Coker Unit at Panipat refinery. During un-heading operation of the reactor 78 R 101 in DCU of the refinery, shot coke along with hot water and large volume of steam gushed out of the bottom end of the reactor and spread on 20m platform leading to burn injury to two workers on 20m platform and further, hot water and shot coke also spilled from 20m platform onto two workers, who were standing on the ground floor, leading to serious burn injury to them and subsequently death in the hospital.

Injured: 2 Killed: 2

- ii) A fire cum explosion accident occurred on 22.01.2018 at around 12.30pm in the catalyst building of Panipat refinery Naptha Cracker Unit. During manufacturing of LLDPE a massive fire/explosion accident took place leading to serious burn injury to three persons and death of two employees, including shift in charge.

Injured: 3 Killed: 2

- iii) A fire cum explosion accident occurred on 26.02.2018 at around 10.51am in the petroleum installation of M/s. HPCL situated at village Karnavas, Bawal Road, Rewari. The accident took place in the unused and empty lube oil above ground tanks no. 22 & 23 during hot cutting of the iron ladder structure of the said tanks, to use the same elsewhere. During hot cutting, the cutting gun was accidentally dropped from the tank top to the ground within dyke wall. The tree leaves lashed with lube oil lying within the dyke wall caught fire. The fire engulfed the tank no. 22, resulted into an explosion which leads to burn injury to one contract worker.

Injured: 1 Killed: Nil

- iv) **Date: 29.04.2017** **Place: Tungpie, District Amritsar, Punjab**

A fire/explosion occurred on at the Petroleum premises located at Plot No. 2287/659, Bharat Nagar, Batal Road, Tungpie, Amritsar, Punjab covered under licence no. P/NC/PB/14/2013(P121008) in Form XIV and P/NH/PB/11/4206(P231977). Accident has probably occurred due to spillage of MS due to overflow during sampling process. The petroleum vapours formed

due to spillage of MS might have got ignition from some nearby source and led to the fire accident in the premises.

Injured: 1 Killed: Nil

v) Date: 09.11.2017 Place: Chandigarh, District Chandigarh (U.T.)

A fire/explosion occurred at the Petroleum Retail Outlet of M/s Indian Oil Corporation Limited located at Sector 49-B, Chandigarh, District Chandigarh covered under licence no. P/NC/CH/14/37(P51344) in Form XIV of Petroleum Rules, 2002. During decantation of MS into underground MS tank, vapour got released from open ATG nozzle and spread in the surrounding area. Petroleum vapour probably got ignition from spark generated from iron spade/tools (used by contactors workers for trench excavation) contact with an iron pipe/stone OR from exhaust of some vehicle getting fuel from the RO, that led to flash fire.

Injured: 2 Killed: 1

vi) Date: 25.01.2018 Place: Ludhiana, District Ludhiana, Punjab

A fire/Explosion occurred at the Petroleum Class C premises of M/s Vardhman Special Steels Limited located at C-58, Focal Point, Ludhiana covered under licence no. P/HQ/PB/15/508(P2668) in Form XV of Petroleum Rules, 2002. One of the electric heating elements inside the tank got exposed to vapour space due to low level of FO in Tank-1 and this might had led to overheating of the heating element, as thermostat (below the element level) was still dipped in FO and was sensing liquid temperature. Overheating of heating element probably had caused auto-ignition of FO layer on the element surface. Also as temperature set point of thermostat (i.e. 65 °C) was very close to FO flash point (i.e. 68 °C) whole of FO in the tank immediately caught fire and led to accident.

Injured: Nil Killed: Nil

vii) Unlicensed premises

**Date: 09.05.2017 Place: PACL, Naya Nangal, District Rupnagar,
Punjab**

An explosion occurred at the Unlicensed Process Plant located at M/s Punjab Alkalis and Chemicals Limited (PACL), Naya Nangal, Nangal, Rupanagar, Punjab. The accident has probably occurred as some Hydrogen gas might have slipped into Chlorine section due to relative higher pressure on H2 side or damaged cell membrane and this might have caused

explosion in Chlorine Gas pipeline, due to formation of explosives mixture ($H_2 + Cl_2 = 2HCl + \text{Heat}$) at dryer stage (due to removal of moisture) in downstream of the membrane cell electrolyser. Explosion occurred in Chlorine drying tower and got propagated to upstream and downstream sections of Electrolyser/Drying section.

Injured: Nil Killed: Nil

viii) A fire/explosion accident occurred on 14/5/2017, at about **07.54 PM** at the Petroleum premises of **M/s Hindustan Petroleum Corporation Ltd. covered under P/NC/RJ/14/ 2667(P-171148)** in Form XIV of Petroleum Rules, 2002 located at Plot No. 7 & 8, to Vaishali Nagar to Queens Road, Guru Jambheshwar Nagar(A) Gandhi Path, Jaipur District Jaipur, State: Rajasthan covered under licence P/NC/RJ/14/ 2667(P171148) of Petroleum Rules 2002.

Killed: Nil Injured: 1

ix) A fire accident occurred on 01.07.2017, at about 8.20 PM at the Petroleum premises of **M/s Bharat Petroleum Corporation Ltd. located at near RSRTC Depot, Jhalana Dungri, Jaipur District Jaipur, State: Rajasthan covered under licence no. P/NC/RJ/14/2368 (P150074) of Petroleum Rules 2002.**

Killed: Nil Injured: Nil

x) A minor fire accident occurred on 10th March 2018 at about **7.55 PM** at the Petroleum premises of **M/s Bharat Petroleum Corporation Ltd.(Dealer Surendra & Company)** located at Village Manpur, Abu Road, District Sirohi, State: Rajasthan covered under licence P/NC/RJ/ 14/ 1100(P54542) of Petroleum Rules 2002.

Killed: Nil Injured: Nil

EAST CIRCLE, KOLKATA

A. EXPLOSIVE ACT, 1884

A.1 Explosives Rules, 2008

1. Date of accident :31.01.2018- Within the explosives magazine at Alagdeshi, Dist. Giridih, Jharkhand. **Death : 04 Injury : Nil**

One explosives van, one motor vehicle and one two wheeler were burnt beyond repair

An explosion followed by fire occurred at 5 PM on 31.1.18. One passenger vehicle was involved in the accident from which lead wire of detonated electric detonators were found. Other vehicle damaged were in the vicinity

1. Accident Date: 18-Oct-2017, 3.45 PM **Place:** Unauthorised Fireworks manufacturing facility of Shri G B , PS- Kasafal Marine PS, Village-Bahabalpur, BALASORE, Odisha
Killed: 11(Eleven) Injured: 4 (Four) Massive Fire and explosion occurred at illegal fireworks manufacturing unit owned by Shri G.B. Pradhan at-village Bahabalapur, Dist-Balasore, Odisha on 18.10.2017 at about 15:45 hrs resulting in death, injury and damage to properties. Subsequent to fire and explosion the villagers of Bahabalpur village immediately made attempt to rescue the affected people but could not approach the site due to continued bursting of the fireworks. The fire service reached the spot and doused the fire. The premises is located at village Bahabalapur village 40 Kms away from Balasore and connected by road only. The site of accident is 7 Kms away from the Kasafal Marine Police Station. The premise was not having any licence for manufacture of fireworks under Explosives Rules 2008 and was manufacturing un-authorisedly variety of fireworks for past many years.

Preliminary Report submitted.

B. PETROLEUM ACT, 1934

B.1 Petroleum Rules, 2002

1. Date of accident: 14.05.2017 **Place:** Daporijo, Upper Subansari, Arunachal Pradesh.

Injury : Nil Death : Nil

Office building, canopy, lubricant godown, HDPE drum were badly burnt. While dispensing MS to a vehicle, fire broke out near the storage tank area, fire spread to HDPE barrels and lubricant storage godown. Petroleum products spilled off in tank area might have caught fire due to presence of article capable of ignition.

2. **Date of accident:** 27.05.2017 **Place:** Birmitrapur, Dist. Sundergarh, Odisha.

Death : Nil Injury : Nil

While decantation was in progress, fire noticed near the manhole of underground tank Fire originated near fill point. Fire engulfed the entire tank truck. Both licences were suspended on 31.05.2017

3. **Date of accident:** 15.07.2017- **Place:** Jalpaiguri, WB.

Death : 11 Injury : 04

Manufacturing shed razed to ground, leaves of trees at a distance of 30 mtrs. bore the sign of explosion. Massive fire and explosion occurred at 15.45 hrs. Immediate rescue could not be possible due to continued bursting.

4. **Date of accident:** 12.12.2017 **Place:** NH-55, near Ranibhuin School, Angul, Odisha.

Death : Nil Injury : 04.

One trailer coming from opposite direction collided with petroleum tanker and in the impact petroleum tanker overturned to its right side, product spilled on the road resulting accident.

5. **Date of accident:** 12.12.2017 **Place:** Unit of IIOCL Paradip Refinery, Jagatsinghpur, **Odisha.**

Death Nil, Indury- Nil

The fire accident occured in Idmax Unit of IOCL Paradiit Refinery.

6. **Date of accident:** 03.02.2018- **Place:** NH-55, near Ranibhuin School, Angul, Odisha involving a petroleum tanker. **Death : Nil Injury : 04**

One trailer coming from opposite direction collided with petroleum tanker and in the impact petroleum tanker overturned to its right side, product spilled on the road resulting inferno.

8. **Accident Date:** 12-Dec-2017, 11.15 AM **Place:** Indmax Unit of IOCL Paradip Refinery, Paradip, JAGATSINGHPUR, Odisha

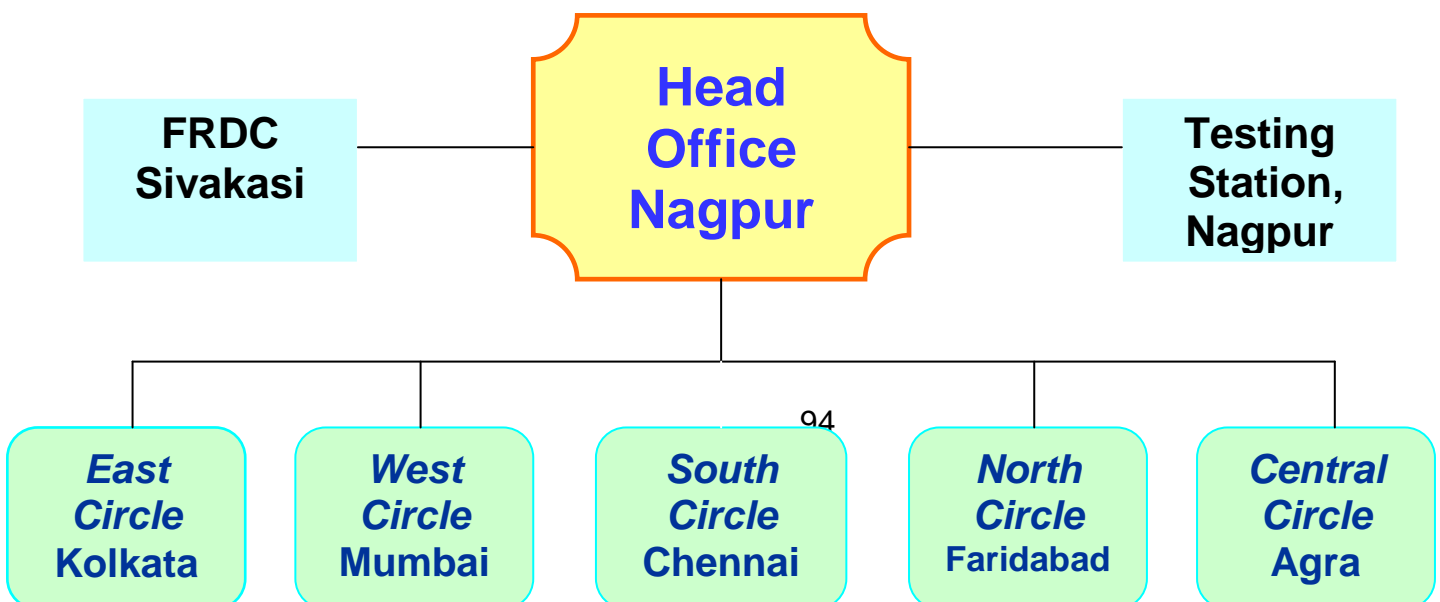
Killed: Nil Injured: Nil

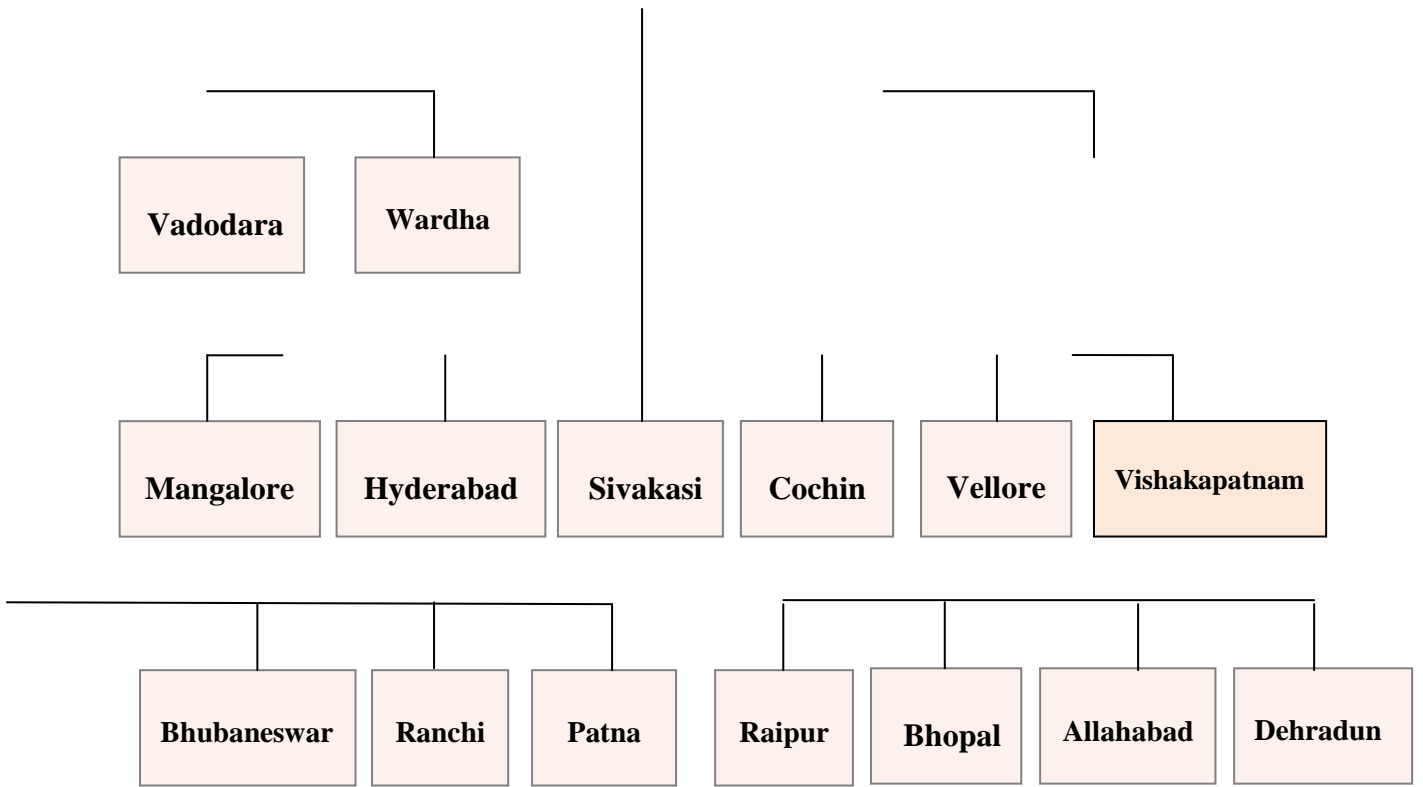
The fire incident took place in Indmax Unit of IOCL Paradip Refinery. The Indmax Unit is a Fluidised Catalytic Cracking unit. The Vacuum Gas Oil (VGO) after hydro treatment was fed to the Indmax Unit for cracking for generation of lighter products. The VGO feed rundown from VGO-HDT unit enters the Indmax Unit and gets preheated in the three parallel banks of heat exchangers 23-E-11 (A/B, C/D, E/F) each group comprising of two exchangers in series, installed one above the

other. At the time of the incident the A/B and C/D bank of heat exchangers remained in operation and while the E/F heat exchangers were being restored back in service following hydro-testing and cleaning. These are all shell and tube heat exchangers. The heat exchangers 23-E-11E & F were under maintenance and isolated by blinding inlet and outlet line. On 12.12.2017 it was planned to take 23-E- 11E & F exchangers in line. The de-blinding Job was started and the blind was removed from the VGO isolation valve on inlet line to 23-E- 11E exchanger at about 10:15 AM. The inlet isolation valve was in closed position and no leakage was observed. While spacer was being arranged to be provided at the flange for its box-up, VGO started leaking profusely. The spilled VGO caught fire and resulted into localized inferno. The unit was immediately put into emergency shutdown. The Fire service was immediately pressed into action and fire was contained and the inferno was brought under control within half an hour and finally doused.

ANNEXURE-1

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





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

| Sr. No. | Name of Office/Circle/Sub-Circle Offices | Address | Jurisdiction | Telephone/Fax Nos. |
|-------------------------|--|---|--|---|
| A | Head Office | E-mail: explosives@explosives.gov.in Web-site: http://peso.gov.in | | |
| 01 | Nagpur | Chief Controller of Explosives, Petroleum And Explosives Safety Organization Block "A", 5 th Floor, C.G.O. Complex, Seminary Hills, Nagpur 440 006(M.S.) | Whole India | STD Code (0712) 2510103, 2510580 2510459, 2510389 2510579, 2511512, 2512006, 2510072, 2512091, 2510139, 2512093, 2512094, 2512257 EPABX No-2510248 Fax No. -2510577 |
| B. | West Circle | E-mail : jtccemumbai@explosives.gov.in | | |
| 01 | Navi Mumbai | Joint Chief Controller of Explosives, A-1 & A-2 Wing, 5 th Floor, C.G.O. Complex, CBD Belapur, Navi- Mumbai 400614. (M.S.) | Gujarat, Goa, Daman & Diu, Dadra and Nagar Haveli and Districts of Akola, Washim, Hingoli, Parbhani, Ahmednagar, Aurangabad, Beed, Buldana, Dhule, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Nagpur, Nandurbar, Nasik, Osmanabad, Pune, Raigad, Ratnagiri, Mumbai Suburban, Sindhudurga, Solapur, Sangli, Satara, Thane of Maharashtra State. | STD Code (022) 27564941(D) 27573881 EPABXNo- 27575946 Fax No.- 27575967 |
| Sub-Circle Office | | | | |
| 02 | Vadodara | Dy. Chief Controller of Explosives, 8 th Floor, Yash Kamal Building, Opposite M.S. University Sayajigunj, Vadodara – 390 020 | Gujarat | STD Code (0265) 2361035, 2225159 Fax No.- 2225952 |
| Factory Attached Office | | | | |
| 03 | Wardha | Controller of Explosives, Plot NO 36 &37, Ward No 18, Rathi Layout, Rashtrabhasha Road, Wardha 442001 (M.S.) | Wardha, Yeotmal, Nanded, Bhandara, Gondia, Chandrapur, Gadchiroli of State of Maharashtra | STD Code (07152) 245006 Fax No.- 230370 |
| C. | East Circle | E-mail: jtceekolkata@explosives.gov.in | | |
| 01 | Kolkata | The Joint Chief Controller | West Bengal, Bihar, | STD Code (033) |

| | | | | |
|--|--------------------|--|--|--|
| | | of Explosives, 8 Explanade East, 1 st Floor, Kolkata 700069 (W.B.) | Orissa, Assam, Manipur, Tripura, Arunachal Pradesh, Meghalaya, Mizoram, Sikkim, Nagaland, Andaman & Nicobar Islands | 22480427, 22486600, 22489524, 22420686 Fax No.-22439322 |
| Sub-Circle Office | | | | |
| 02. | Guwahati | Dy. Chief Controller of Explosives, House No. 216, 2 nd Floor, Above IDBI, Chandmari, Guwahati 781021 Dist. Kamrup (Metro) Assam | Assam, Sikkim Manipur, Tripura, Nagaland, Arunachal Pradesh, Meghalaya and Mizoram (Covering all the North-Eastern States) | STD Code (0361) 2662783, 2655144 Fax No.-2662503 dycceguwahati@explosives.gov.in |
| Sub-Circle Office | | | | |
| 03. | Ranchi | Dy. Chief Controller of Explosives, 3 rd Floor, Sri Mohan Sita Compound, 5 Main Road, Behind Sushila Automobiles, Ranchi (Jharkhand,) Pin - 834001 | Jharkhand state | STD Code (0651) 2332689, 2332690 Fax No.-2332688 dycceeranchi@explosives.gov.in |
| Sub-Circle Office | | | | |
| 04. | Bhubaneswar | Dy. Chief Controller of Explosives, F-35/A, BJB Nagar, Bhubaneswar-751014 District Khurda, Odisha | Odisha | STD Code (0674) 2433370, 2433390 Fax No.- 2430656 dyccehub@explosives.gov.in |
| Sub-Circle Office | | | | |
| 05. | Patna | Controller of Explosives, 4th Floor, 'F' Wing, Karpuri, Thakur Sadan, Ashiyana- Digha Road, Digha, Patna (Bihar) - Pin 800 025 | Bihar | STD Code (0612) 2565914, 2565925 Fax No.-2565913 cepatna@explosives.gov.in |
| D. South Circle E-mail: jtcechennai@explosives.gov.in | | | | |
| 01. | Chennai | The Jt.Chief Controller of Explosives, A & D Wing, Block 1-8, IInd Floor, Shastri Bhavan, 26, Haddous Road, Nungambakkam , Chennai – 600 006 (TN) | Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Pondicherry & the Lakshadweep islands | STD Code (044) Tel.: 28281041, Fax No.- 28514848 |
| Sub-Circle Office | | | | |
| 02. | Ernakulam | The Dy.Chief Controller of Explosives, C 2, III rd Floor, CGO Complex, Opp. CSEZ, | Kerala, Mahe in the Union Territory of Pondicherry and Lakshadweep. | STD Code (0484) Tel.: 2427286 Fax No.2427276 |

| | | | | |
|--|----------------------|--|---|---|
| | | Kakkanad, Ernakulam, Kochi – 682 037 | | |
| Sub-Circle Office | | | | |
| 03 | Mangalore | The Dy.Chief Controller of Explosives, IInd Floor, City Centre Building, Opp. Hotel Roopa, Balmatta Road, Mangalore – 575001 | Karnataka | STD Code (0824) 2420167, 2441588 Fax No.-2423937 |
| Sub-Circle Office | | | | |
| 04. | Sivakasi | Dy. Chief Controller of Explosives, Door No. 7-20-13, Kirlampudi Layout, Visakhapatnam- 530 017 (A.P.) | Districts of Ramanathapuram, Virudhunagar, Sivagangai, Madurai, Theni, Dindigul, Tirunelveli, Tuticorin, Thanjavur, Thiruvavarur, Nagapattinam, Kanyakumari | STD Code (04562) 254353, 254253 Fax No.- 255233 |
| Factory attached | | | | |
| 05. | Vellore | The Controller of Explosives, Pl. No. A2/118, Door No. 3,5th East Cross Road, Gandhi Nagar Town Panchayut, Katpadi Taluk, Vellore District - 632 006 (TN) | T.E.L. Factory, Vellore Districts of Vellore, Thiruvannamalai, Dharmapuri Krishnagiri and Salem | STD (0416) 2241642 FaxNo.– 2242513 |
| Sub-Circle Office | | | | |
| 06. | Hyderabad | Dy. Chief Controller of Explosives, Room No. 602, 6 th Floor, C.G.O. Towers, Kavadiguda, Secunderabad – 500 080, (A.P.) | Telangana State, Yenam in the Union Territory of Pondichery | STD (040) 27540359, 27547863 (D) Fax No. 27547803 |
| 07. | Visakhapatnam | Dy. Chief Controller of Explosives, Door No. 7-20-13, Kirlampudi Layout, Visakhapatnam- 530 017 (A.P.) | Andhra Pradesh, Yenam in the Union Territory of Pondicherry | STD (0891) 2722258 Fax No. 2722259 |
| E. Central Circle E-mail: jtceagra@explosives.gov.in | | | | |
| 01. | Agra | Jt Chief Controller of Explosives, 63/4, A-Wing, 2 nd Floor, C.G.O. Complex, Sanjay Place, Agra 282 002 (U.P) | Uttar Pradesh and Madhya Pradesh, Uttaranchal and Chattisgarh | STD (0562) 2521322, 2850161, 2523244, 2523266 Fax No.- 2527436 |

| Sub-Circle Office | | | | |
|-------------------|-------------------|---|---|--|
| 02. | Allahabad | Dy. Chief Controller of Explosives, H. NO. 326 C, Kriti Audyogik Prasikshan Kendra, Near Muirabad Petrol Pump, Stenly Road, Allahabad - 211 002 | Allahabad, Ambedkarnagar, Azamgarh, Balarampur, Ballia, Basti Bhadohi, Chandauli, Deoria, Faizabad, Ghazipur, Gonda, Gorakhpur, Jaunpur, Sant Kabirnagar, Kushambi, Kushinagar, Mirzapur, Mau, Mahrajganj, Pratapgarh, Shrawasti, SiddharthNagar, Sonbhadra, Sultanpur, Varanasi Districts of Uttar Pradesh | STD (0532) 2250329, 2441491 Fax No.- 2644964 Email: dycceallahabad @ explosives.gov.in |
| Sub-Circle Office | | | | |
| 03. | Bhopal | Dy. Chief Controller of Explosives, 'E-7/41, Ground Floor & 1st Floor, Lala Lajpat Rai Society, Arera Colony, Bhopal – 462 016 (MP) | State of Madhya Pradesh | STD (0755) 2420775, 2445270 Fax No.- 2429997 email: dyccebhopal@explosives.gov.in |
| Sub-Circle Office | | | | |
| 04. | Dehradun | Controller of Explosives, 42 /1, Indira Nagar, Near, Asian School, Dehradun (Uttarakhand) – 248006 | State of Uttarakhand | STD (0135) 2769780 Fax No.-2769794 email: cedehradun@explosives.gov.in |
| 05. | Raipur | Controller of Explosives, Avanti Vihar Colony, Main Road, Near Nala, Post Shankar Nagar, Raipur (Chhattisgarh) Pin - 492007 | State of Chhattisgarh | STD (0771) 2442204 Fax No.- 2442204 email: ceraipur@explosives.gov.in |
| F. North Circle | | E-mail: jtcefaridabad@explosives.gov.in | | |
| 01. | Faridabad | Jt Chief Controller of Explosives, Hall No 502 & 507, Level-5, Block-B, Old CGO Complex, NH-4, Faridabad – 121001 (Haryana) | Haryana, Delhi, Rajasthan, Chandigarh, Punjab, Himachal Pradesh and Jammu & Kashmir. | STD (0129) 2410730, 2410770, 2410732, 2410734, 2410731, 2421388 Fax No.- 2410733 |
| Sub-Circle Office | | | | |
| 02. | Chandigarh | Dy. Chief Controller of | Chandigarh, Punjab, | STD (0172) |

| | | | | |
|-------------------|---------------|--|--|--|
| | | Explosives, SCO 802, Second Floor, NAC, Manimajra, , Chandigarh- 160101 | Himachal Pradesh and Jammu & Kashmir | 2731035, 2731036 Fax No.- 2731040 dccechandigarh@explosives.gov.in |
| Sub-Circle Office | | | | |
| 03.. | Jaipur | Dy. Chief Controller of Explosives, Amrapali Road, Near Power House, Vaishali Nagar, Jaipur 302 021 (Raj.) | Rajasthan | STD (0141) 2356731, 2356781 Fax No.- 2350279 dccejpr@explosives.gov.in |

G.

Departmental Testing Station

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

H. FRDC

| | | | | |
|-----|--------------------------|--|---|--|
| 01. | Sivakasi (FRDC) | Fireworks Research and Development centre, Near E.S.I. Hospital, Sivakasi West, Virudhunagar District, Tamil Nadu – 626124. | - | STD (04562) 254402, Fax No.- 254404 |
| I. | Pay & Accounts Office | | | |
| 01. | Nagpur | Pay & Accounts Officer, C.G.O. Complex, Block “C”, 1 st Floor, Seminary Hills, Nagpur 440 006 (M.S.) | - | STD (0712) 2510819 Fax No.- 2510819 |

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

| | | 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 |

PRODUCTION OF EXPLOSIVES DURING THE YEAR 2017-2018

| Sr No. | Explosives | Class | Quantity Metric Tonnes, Million Mtrs, Million Nos. |
|---------------|-----------------------|--------------|---|
| 1 | Gun Powder | 1 Div. 0 | 669.942 |
| 2 | Nitrate Mixture | 2 Div. 0 | 475930.791 |
| 3 | SME | 2 Div. 0 | 837593.473 |
| 4 | PETN+Cast Booster | 3 Div.2 | 9165.399 |
| 5 | Safety Fuse | 6 Div. 1 | 58.952 |
| 6 | Detonating Fuse | 6 Div. 2 | 675.038 |
| 7 | Detonators(all kinds) | 6 Div. 3 | 985.173 |
| 8 | Micro Cord | 7 Div. 3 | - |

EXPORT & IMPORT OF EXPLOSIVES

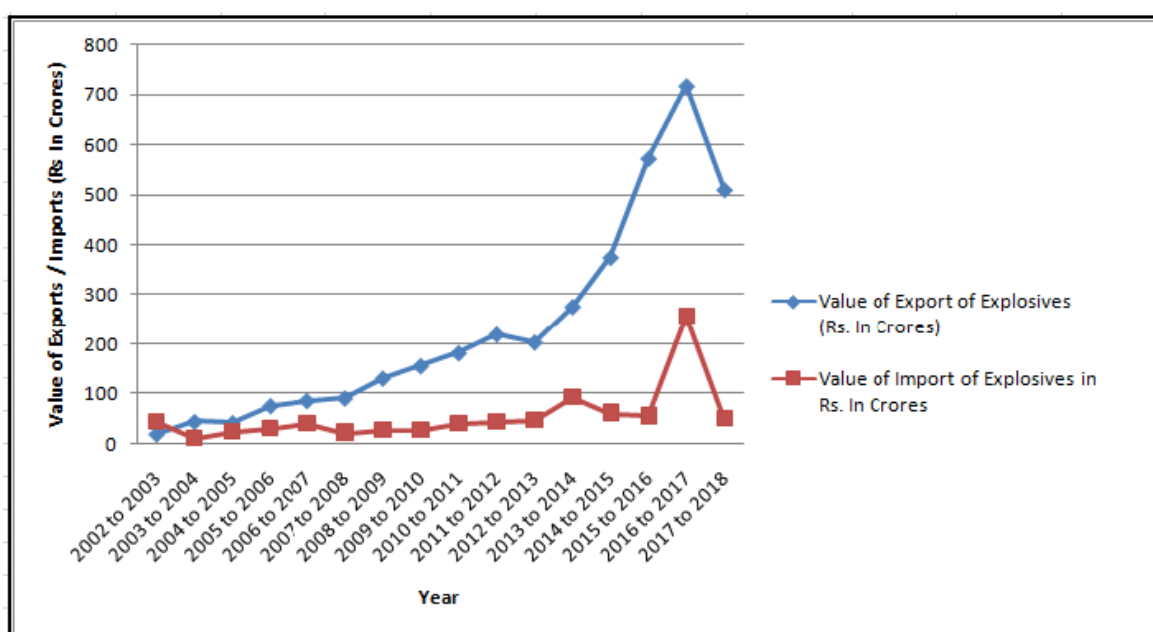
EXPORTS:

Indian made explosives & accessories are known for their quality, reliability & performance and well received in the highly competitive global market. The value of explosives exported in the year 2017-2018 was Rs. 510.94 Crores. The trend on export of Indian made explosives shown in the line diagram in terms of value of explosives exported since 2002 is encouraging Indian Explosives Industry as well contributing to the Indian Economy. This could be achieved by the Indian Explosives Manufacturers as they are able to meet the quality requirements demanded by the overseas market. During the year 2017-2018, 510 Nos. of licenses were granted in favour of Indian explosives manufactures for exportation of authorised explosives manufactured by them

IMPORTS:

The import of explosives of foreign origin are primarily oil well logging explosives imported by the oil well operating or oil well service providing companies. Explosives which are not manufactured in the country are only being imported which are meant for specialized applications. During the year 2017-2018, 149 Nos. of licenses were issued for importation of explosives. The value of explosives imported was Rs. 49.45 Cores.

Value of export and import of explosives (in Rs.) during the years from 2002 to 2018



DESTRUCTION OF EXPLOSIVES DURING THE YEAR 2017-2018

| | |
|-------------------|--------------|
| Class-1 | 15463.1 Kgs |
| Class-2 | 45352.7 |
| Class-3 Dvi.2 | Nil |
| Class 6 Div.1 | 41612.7 mtrs |
| Class 6 Div.2 | 188356 mtrs |
| Class 6 Div.3 | 196321 Nos. |
| Class 7 Div.2 | 225668.15 |
| Class 7 Div.2 (2) | 1188 |
| Ammonium Nitrate | 5227.5 Kgs |

ANNEXURE-VII**PRODUCTION, IMPORT & EXPORT OF GAS CYLIDERS,
VALVES & REGULATORS****GAS CYLINDERS & VALVES****GAS CYLINDERS & VALVES**

A Comparative statement of production of Cylinders, Valves & Regulators During 2015-16, 2016-2017 & 2017-2018 is given below.

| Sr. No. | Items Manufactured | Nos. Manufactured During | | |
|---------|--|--------------------------|--------------------|--------------------|
| | | 2015-16 | 2016-17 | 2017-18 |
| 01. | Welded load Carbon steel Gas Cylinders For | | | |
| | a. LPG | 1,71,69,909 | 1,82,74,975 | 2,19,29,970 |
| | b. Dissolved Acetylene Gas | - | - | - |
| | c. Other low pressure Liquefiable Gas | - | - | - |
| | Total (a + b + c) | 1,71,69,909 | 1,82,74,975 | 2,19,29,970 |
| 02. | Welded Large Containers for low pressure Liquefiable Gas | -- | -- | -- |
| 03. | Seamless Steel Cylinders for Permanent & high pressure Liquefiable Gas | 7,65,709 | 9,63,008 | 11,22,599 |
| 04. | Valve for : | | | |
| | a. LPG Cylinders | 3,31,82,875 | 2,55,57,076 | 3,06,68,491 |
| | b. Other Gas Cylinders. | 23,539 | 2,82,276 | 3,38,731 |
| | Total (a + b) | 3,32,06,414 | 2,58,39,352 | 3,10,07,222 |
| 05. | Low Pressure LPG Regulators. | 1,64,91,267 | 1,25,58,345 | 1,50,70,014 |

Total No. of High Explosives Manufacturers upto 31.03.2017

123

| Sr. No. | High Explosives Manufacturers from 01/04/2017-31/03/2018 | Licence No |
|----------------|---|-------------------|
| 124 | M/s. Nallabolu Industries Pvt. Ltd. | E/HQ/TG/20/91 |

IMPORT OF CYLINDERS

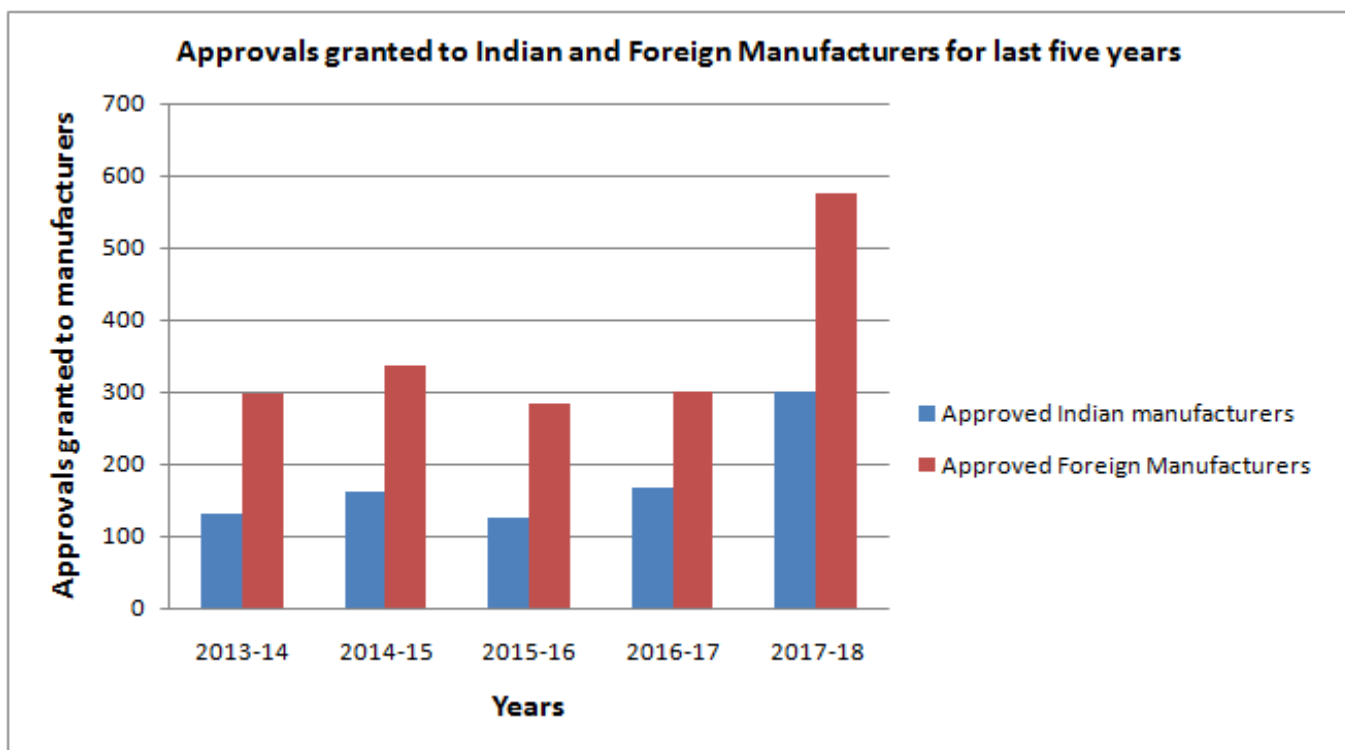
A numbers of high purity permanent gases & gas mixtures are required to be imported duly filled in cylinders to meet the requirements of Trade & Industry. It is, therefore, becomes necessary to allow import of large numbers of cylinders from various Countries. During the year 2017-18, **922 Licenses** were granted to cover importation of **63,153** cylinders filled with various gases/ gas mixtures & **1,02,510** numbers empty Cylinders for filling with compressed gases including empty CNG cylinders for automobiles use.

EXPORT OF COMPRESSED GAS FILLED IN CYLINDERS

During the year **43,778** empty cylinders/containers were imported & re- exported duly filled with gas.

Approvals granted to Indian & Foreign Manufacturers for last five years

| Sr. No. | Year | Date | Approved Indian manufacturers | Approved Foreign Manufacturers |
|---------|---------|-----------------------|-------------------------------|--------------------------------|
| 1 | 2013-14 | 01/04/2013-31/03/2014 | 130 | 297 |
| 2 | 2014-15 | 01/04/2014-31/03/2015 | 160 | 336 |
| 3 | 2015-16 | 01/04/2015-31/03/2016 | 125 | 284 |
| 4 | 2016-17 | 01/04/2016-31/03/2017 | 166 | 300 |
| 5 | 2017-18 | 01/04/2017-31/03/2018 | 301 | 575 |



LIST OF MANUFACTURERS OF LPG VALVES

(Approved during 01.04.2017 to 31.03.2018)

Total No. of Manufacturer upto 31/03/2017 – 101

| Sr | Name and address of the Company |
|-----------|--|
| 1. | M/s. LVS Industries, Plot No. 459, Industrial Area, Phase-I, Punchkula, Haryana 134 113. |
| 2. | M/s. Perfect Products, Plot No. 50-A/2, Indl. Area, Opp. Eicher Tractors, NIT Faridabad, Haryana – 121 001 |
| 3 | M/s. Sunny Iron and Steel Processors Pvt. Ltd., D-18, Site – I, B.S. Road, Industrial Area, Ghaziabad – 201 009 (UP). |
| 4 | M/s. Svarrnim Forgings, C-29, Site-C, UPSIDC Indl. Area, Greater Noida, Dist. Gautam Buddh Nagar, UP – 201 306 |

ANNEXURE-IX**LIST OF MANUFACTURERS OF LPG CYLINDERS**

(Approved during 01.04.2017 to 31.03.2018)

| Sr. No. | Name and address of the Company |
|----------------|--|
| 1. | M/s. Blueflame Industries Pvt. Ltd., C/o Sunil Kumar Sariya, Agarwal Mansion, G.T. Road, Govindpur, Dhanbad – 828 109. |
| 2. | M/s. Confidence LPG Bottling Pvt. Ltd., Kh. No. 96 & 386/2, Village Khuna Jhirkhurd, Tal & Dist. Chhindwara, MP |
| 3. | M/s. Corrosion Protection Pvt. Ltd., Plot No. 103 & 105, Andeisai, Jagatpur, Cuttack – 754 021 (Odisha). |
| 4. | M/s. Dakini Health Foods (Unit-II), 9 KM Bhopa Road, Muzaffarnagar (UP) |
| 5. | M/s. North Bengal Cylinders, Fata Pukar, Rajganj, Jalpaiguri – 735 134 (West Bengal). |
| 6. | M/s. North East Cylinder Industries, C/o North Bengal Feed Industries Ltd., P.O. Fulbari Hut, Near Marketing Check Post, Siliguri – 734 015, Dist. Jalpaiguri, (West Bengal). |
| 7 | M/s. Prakash Heavy Metals Industries Pvt. Ltd., Chintpurni Road, Near Shivwari Mandir, Industrial Area, Gagret, Distt. Una – 177205 (HP). |
| 8 | M/s. Premium Pressure Vessels Pvt. Ltd., Plot No. 5148, Village Baank, |

| | |
|----|--|
| | Akhorigola, Dehri-on-Son, Distt. Rohtas, Bihar – 821 301. |
| 9 | M/s. Prisma Engineers, Village Kaddon, Near Punjab Apparel Park, G.T. Road, Doraha, District Ludhiana, Punjab – 141 421. |
| 10 | M/s. R.K. Cylinders, E 107, B-108, RIICO Industrial Area, Behror, Dist. Alwar (Rajasthan) |
| 11 | M/s. Sai Globe Packaging, B-1 & B-2, Industrial Area, Begraipur, Muzaffarnagar (UP). |
| 12 | M/s. Shankar Cylinders Pvt. Ltd., Village Nimbuan, Derabassi, SAS Nagar Dist. Punjab – 140 201. |
| 13 | M/s. UI Fabricators Pvt. Ltd., Plot No. 60F, Eldeco Sidcul Industrial Park Ltd., Sitarganj, Distt. Udham Singh Nagar- 262405 (Uttarakhand). |
| 14 | M/s. VRG Industries Pvt. Ltd., Plot No. 61, Mukundaprasad, IDCO Industrial Area, Khurda – 752 057 (Odisha). |
| 15 | M/s. Zetadel Technologies Pvt. Ltd., M2, Behala Indl. Estate, 620, Diamond Harbour Road, Kolkata - 700 034. |
| 16 | M/s. Zixin Cylinders Pvt Ltd, Plot NO 303, Sohan Constructions Guntupalli, Vijayawada – 521241 |
| 17 | M/s Sanghvi Cylinders Unit II Private Limited, 403, 4 th Floor, Maltinaik Plaza, Hanuman Tekdi Abids, Hyderabad – 500001 |
| 18 | M/s. Ramana Cylinders Private , Plot NO 172, Road No. 13 Jubilee Hills Hyderabad – 500033, Telangana State |

LIST OF MANUFACTURERS OF LPG REGULATORS
(Approved during 01.04.2017 to 31.03.2018)

| Sr. No. | Name and address of the Company |
|---------|---|
| 1. | M/s. Garga Gas Products, B-259, Major Dhyan Chand Nagar, Delhi Road, District Meerut (UP) – 250 002. |
| 2. | M/s. New Safe LPG Products, K-16, UPSIDC Indl. Area, Begraipur, Distt. Muzaffarnagar, Uttar Pradesh – 251 001. |
| 3. | M/s. CMS Gas Appliances Pvt. Ltd., No. 491/1, Village Nagli Eisa, (Fitakari), Near Mahalaxmi Degree College, Mawana Road, District Meerut (UP) – 250401. |
| 4. | M/s. Rajrudra Enterprises Pvt.Ltd., Plot No. E-19, Indl. Area, Phase-II, Satlapur, Mandideep, |

| |
|-------------------------------|
| Distt. Raisen – 462 046 (MP). |
|-------------------------------|

ANNEXURE-X

LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS

(Approved during 01.04.2016 to 31.03.2017)

| Sr. No. | Name and address of the Company |
|---------|---------------------------------|
| 1. | ---- NIL--- |

LIST OF MANUFACTURERS OF OTHER THAN LPG VALVE

(Approved during 01.04.2016 to 31.03.2017)

| Sr. No. | Name and address of the Company |
|---------|---------------------------------|
| 1. | ---- NIL--- |

LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS

(Approved during 01.04.2016 to 31.03.2017)

| Sr. No. | Name and address of the Company |
|---------|---------------------------------|
| 1. | ---- NIL--- |

LIST OF MANUFACTURERS OF OTHER THAN LPG VALVE

(Approved during 01.04.2016 to 31.03.2017)

| Sr. No. | Name and address of the Company |
|---------|---------------------------------|
| 1. | ---- NIL--- |

ANNEXURE-XI

LIST OF APPROVED PRESSURE VESSEL FABRICATOR

(Approved during 01.04.2017 to 31.03.2018)

| Serial No. | Name and address of the Company |
|------------|---|
| 1 | M/s. Ishan Equipments Pvt. Ltd., (UNIT –II), Sy.No. 144, 145, NH No.8, Sankarda – 391 350 Dist. Vadodara |
| 2 | M/s. Heat Max Projects Pvt. Ltd.,305, Capital Plaza, IIIrd Floor, Inder Enclave,Rohtak Road, Paschim Vihar,New Delhi – 10 087 |
| 3 | M/s. Agarwal Trailers & Engineering Pvt. Ltd.,Plot NO. 17, Ranoli GIDC,NH-8, Baroda- 391 350 GUJARAT. |
| 4 | M/s. Shalkoot Mechanique Pvt. Ltd.,B-32, Sector-59, Noida – 201 301 UTTAR PRADESH |
| 5 | M/s. KMV Industries,J-44/45, S Block, MIDC Bhosari,Pune – 26 |
| 6 | M/s. S.V. Engineers,Plot NO. 11/A3, IDA, Phase I, Patancheru, Dist. Sangareddy – 502 319.TELANGANA. |

Total No. of SME Manufacturers upto 31.03.2017 – 128
SME Licence Granted During 01.04.2017 to 31.03.2018

| Sr. No | Name of Company | Licence No. |
|--------|---------------------------------------|---------------|
| 1 | M/s. Keltech Energies Ltd. | E/HQ/AP/SM/23 |
| 2 | M/s. Special Blasts Limited | E/HQ/CG/SM/27 |
| 3 | M/s. Special Blasts Limited | E/HQ/MP/SM/24 |
| 4 | M/s. Sasan Power Limited | E/HQ/MP/SM/23 |
| 5 | M/s. SBL Energy Limited | E/HQ/MH/SM/15 |
| 6 | M/s. IDL Explosives Limited | E/HQ/OR/SM/18 |
| 7 | M/s. Keltech Energies Ltd. | E/HQ/OR/SM/17 |
| 8 | M/s. IDEAL Industrial Explosives Ltd. | E/HQ/TG/SM/26 |

Total No. of SME-ANFO up to 31/03/2017 – 21
SME-ANFO Licence Granted During 01.04.2017 to 31.03.2018

| Sr. No. | SME-ANFO From 01/04/2017-31/03/2018 | Licence No |
|---------|--|---------------|
| 1 | M/s. THE RAMCO CEMENTS LTD | E/HQ/AP/SM/24 |
| 2 | M/s. Reliance Cement Company Private Ltd | E/HQ/MP/SM/25 |
| 3 | M/s. Bargarh Cement Works of ACC Ltd. | E/HQ/OR/SM/19 |
| 4 | M/S WONDER CEMENT LTD | E/HQ/RJ/SM/17 |
| 5 | M/s. My Home Industries Pvt. Ltd. | E/HQ/TG/SM/25 |

Fireworks Manufacturers up to 31/03/2017- 898

Fireworks Manufacturers from 01/04/2017-31/03/2018

| Sr. No. | Fireworks Manufacturers from 01/04/2017-31/03/2018 | Licence No |
|---------|--|---------------|
| 2 | LAKSHMI CAPS WORKS | E/SS/TN/20/12 |
| 3 | M/s J J Pyrotechnics | E/SS/TN/20/17 |
| 4 | M/s Moorthy pyrotechs | E/SS/TN/20/15 |
| 5 | M/s Shree Sandal Fireworks Factory | E/SS/TN/20/11 |
| 6 | M/s V.G.S. SPARKLERS | E/SS/TN/20/13 |
| 7 | M/s Varshini Fireworks. | E/SS/TN/20/21 |
| 8 | M/s. AKATHIYAN FIREWORKS | E/SS/TN/20/10 |
| 9 | M/s. Deepika Fireworks Industries | E/SS/TN/20/22 |
| 10 | M/s. KING FIREWORKS COMPANAY | E/SS/TN/20/14 |
| 11 | M/s. S.M.T. FIREWORKS FACTORY | E/SS/TN/20/20 |
| 12 | M/s. Sri Sathya Prabhu Fireworks Factory | E/SS/TN/20/19 |
| 13 | M/s. Super Star Fireworks Factory | E/SS/TN/20/23 |
| 14 | M/s. SUPERTECH PYRO | E/SS/TN/20/16 |

| | | |
|----|-------------------------------|---------------|
| 15 | SREE RAMALAKSHMI PYROTECHNICS | E/SS/TN/20/8 |
| 16 | Sri Linga Fireworks | E/SS/TN/20/18 |

WORKING OF REFINERIES FOR THE PERIOD OF 01/04/2017 TO 31/03/2018

| Sr. No. | Name of Refinery | Crude Oil Processed | Installed Capacity | LPG Produced | LPG Marketed | No. of Accident | Export | |
|---------|-------------------------------------|---------------------|--------------------|--------------|--------------|-----------------|-------------------|-------------------|
| | | MMT | MMT | MMT | MMT | | Quantity (In MMT) | Value (In Crores) |
| 1 | IOCL Digboi | 0.632429 | 0.85 | 0.0198 | 0.01835 | 0 | 0 | 0 |
| 2 | IOCL Panipat | 15.65429 | 20 | 0.877517 | 0.793751 | 0 | 0.129045 | 200.87 |
| 3 | IOCL, Guwahati | 0.010237 | 1 | 0.043156 | 0.04336 | 0 | 0 | 0 |
| 4 | IOCL, Barauni | 8.526044 | 7 | 0.325146 | 0.325014 | 0 | 5.244241 | 19290 |
| 5 | IOCL, Vadodara | 12.81114 | 13.7 | 0.48958 | 0.49186 | 1 | 0.490571 | 2416 |
| 6 | IOCL, Mathura | 10.240202 | 9 | 0.476529 | 0.47648 | 1 | 0 | 0 |
| 7 | IOCL, Bongaigaon | 2.861588 | 3.51 | 0.062278 | 0.062389 | 0 | 0.001451.29 | 4.018 |
| 8 | HPCL, Mumbai | 8.641170.4 | 8.45 | 0.450633.8 | 0.451385 | 0 | 0 | 0 |
| 9 | HPCL, Visakh | 96.35009.43 | 8.86 | 4.381958 | 38.1099 | 0 | 0.951952 | 665.74 |
| 10 | Essar Oil Ltd. | 2.14563 | 21.67 | 0.97394 | 0.979301 | 0 | 0 | 0 |
| 11 | BPCL, Kochi Refinery | 14.250684 | 12.48 | 0.954586 | 0.954802 | 0 | 1481386.6 | 2321.21 |
| 12 | CPC Limited, Cauvery Basin Refinery | 0.590815 | 1.8 | 0.019875 | 0.018359 | 0 | 194508 | 550 |
| 13 | CPCL, Manali | 9.73251 | 11.4 | 0.30581 | 0.31065 | 0 | 909756 | 1950 |
| 14 | Numaligarh Refinery Ltd., Assam | 2.853187 | 4 | 0.065387 | 0.085097 | 1 | 5908 | 30.5 |

| | | | | | | | | |
|----|--|-------------------|-----------------|------------------|-------------------|----------|--------------------|-------------------|
| 15 | RIL, Jamnagar, SEZ Refinery Division | 37.214 | 35.2 | 1.023 | 1.023 | 0 | 33.729 | 115506.3 |
| 16 | RIL, DTA | 32.598 | 34 | 0.595 | 0.595 | 0 | 8.51 | 27886.41 |
| 17 | MRPL, Limited | 16.13 | 17 | 945.948 | 951.97 | 1 | 4.59 | 1271 |
| 18 | HPCL Mittal Energy Ltd. | 17.2134 | 11 | 0.953344 | 0.976555 | 0 | 0.241267 | 599.45 |
| 19 | ONGC Limited, Tatipaka Refinery | 0.095398 | 0.009629 | 0 | 0 | 0 | 20954.459 | 55.26 |
| | Total | 183.559554 | 220.9296 | 957.51491 | 997.685253 | 4 | 2612566.945 | 172746.758 |

ANNEXURE-XIII

TESTING OF PETROLEUM VESSELS IN 2017-2018

The Officers of the Organization have issued total **15507** gas free certificates during the year 01.04.2017 to 31.03.2018 after testing oil tanks pump rooms etc. of petroleum tankers/vessels at Mumbai, Alang (Gujarat), Kolkata, Visakhapatnam, Mangalore, Chennai and Cochin ports.

Even 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 Indian ship breaking industry to grow and develop as the second largest such industry in the world.

COURT ATTENDANCE

During the year 2017-18, officers of the Organization attended law courts on 65 occasions for tendering expert technical evidence in cases of prosecution under various sections of the Explosives Act 1884 and the Explosives Substance Act 1908.