

INTRODUCTION

The Petroleum and Explosives Safety Organization (PESO) is a subordinate office of Department of Industrial Policy and Promotion. The organization's head quarter is at Nagpur with office of the Chief Controller of Explosives. It has five circle offices located at Kolkata, Mumbai, Chennai, Faridabad and Agra, 13 Sub-Circle offices at Chandigarh, Jaipur, Bhopal, Allahabad, Baroda, Hyderabad, Sivakasi, Ernakulam, Mangalore, Guwahati, Asansol, Hazaribag, Rourkela and 5 field offices at Lalitpur, Gomia, Wardha, Bhandara and Vellore besides Departmental Testing Station (DTS) at Gondkhairy, Dist. Nagpur. Fireworks Research and Development Center (FRDC) at Sivakasi has recently been established by PESO for development of environment friendly fireworks.

The role of the PESO is implementation of safety statutes in manufacture, storage, transport, imports, exports etc. for Explosives, Petroleum Refineries /Installation, Petroleum tank truck/ Petroleum Retail Outlet, Petrochemical Units, Petroleum/Gas Pipelines, Compressed gas installation including Cryogenic storage, CNG, Auto LPG dispensing stations, LPG/Cryogenic gas tank truck by way of implementation of Explosives Rules, Petroleum Rules, Static & Mobile (Unfired)Rules, Gas Cylinder Rules, Calcium Carbide Rules and related Government Notifications..

The Organization, although small in size, compared to many other Government organizations, with an existing strength of only 93 officers, is the only organization of its kind directly looking after over 2.61 lakhs hazardous units. The Organization renders advice not only to the industry but also to the Government and Semi-Government bodies like Ports, Railways, Defense establishments and Ministries of Surface Transport, Environment & Forests, Petroleum & Natural Gas, Pollution Control Authorities etc when ever required. The Chief Controller of Explosives is the member of the Central Crisis Group constituted by the Ministry of Environment and Forest and other officers a represent in the State level Crisis Management Groups.

The Organization take part in formulation and revision of standards for Bureau of Indian Standards, Oil Industry Safety Directorate etc. related to manufacture, refining, processing, storage, transportation, handling, testing, quality specification of explosives, petroleum products, pipelines, gases, gas cylinders, safety fittings, special electric equipments.

The Organization renders necessary guidance to Railway's Research Designs & Standards Organization (RDSO) in designing of explosives wagons as well as petroleum and LPG tank wagons.

Recently the Organization has granted following major approval/licence for commissioning of following Refineries and cross country pipelines -

1. M/s Indian Oil Corporation, Visakhapatnam - Commissioning of Laying 300 mm dia HF/HSD pipeline hook up Indl Exchange pit near Jetty to UPSPL pipeline inside Kakinada Sea Port Area Kakinada East Godavari District
2. M/s Gujarat Papavav Port Ltd, Amroli, Commissioning of LPG pipeline.
3. M/s Kesar Enterprise Ltd, Mumbai – Commission of 2 nos pipelines between terminal No I Nr. OJ to Terminal No II at Old Kandla.
4. M/s Green Gas Ltd, Lucknow – Commission of 12” dia 17.289 long gas pipeline from Amausi Mother Station to Kalidas ChoK and 4”dia 1.1625 kms long out of 3.790 kms steel spur pipeline from expanding natural gas distribution from Kila Choraha to Indra Automobiles online station at Ashiyana, Lucknow.
5. M/s IOCL Ltd., Noida – 110 km pipeline from Bijwasan Delhi to Panipat Haryana.

6. M/s Bharat Oman Refineries Ltd, Sagar – Commissioning of 24” dia 931 kms Crude Oil Petroleum Cross Country Pipeline from existing crude oil terminal at Vadinar (Gujarat) to Proposed receipt terminal at Bina (MP).
7. M/s GAIL (India) Ltd., New Delhi – Commissioning of 19 kms pipeline project from Jamnagar to Loni

The following new technology introduction have been approved –

1. Radio Frequency Identification Device (RFID) based tracking system for LPG cylinders on trial basis granted to PSU oil companies.
2. Statutory approval has been issued to the PSU oil companies for Antitheft Device to prevent pilferage of subsidized domestic LPG for commercial purposes.
3. Necessary statutory approvals for commissioning of country’s first H₂ – CNG mixed (Hythane) auto fuel dispensing station in the country operated by M/s IOC (R&D) at New Delhi to be used during forthcoming Common Wealth Games.
4. The proposal of Public Sector Oil Companies comprising of IOCL, BPCL & HPCL for introduction of *lightweight composite cylinder* for LPG in the domestic market for the first time was approved on trial basis.
5. Statutory approval/permission was granted for India’s first strategic storage of 1.03 MMT of crude oil in rock cavern (underground) at Visakhapatnam.

There are 71 factories licensed under Explosives Rules in the medium and Small Scale Sector, engaged in the production of explosives, having an installed capacity of 2,117 MT of Gunpowder, 18,90,931 MT of High Explosives, 246 million meters of Safety Fuse, 543 million meters of Detonating Fuse, 906 Million numbers of Detonators, 2911 MT of Booster and 8457 MT of PETN for which inspection are undertaken regularly.

As directed by Honorable Supreme Court in its verdict dated 18th July 2005, Organisation has developed chemical formulae for low noise producing fire crackers wherein the proportion/composition as well as maximum permissible weight for every chemical used in the manufacture of said fire crackers has been fixed and communicated to the manufacturers of fireworks in India. This has resulted into reducing noise level during festivals season.

Petroleum and Explosives Safety Organization plays major role for the Public Safety. The object of all activities of PESO in implementation of the different status administered by it is to ensure inherent safety features, safe operating procedures, and competent supervision of all hazardous operations in the industry to prevent accidents. In spite of limitations of manpower, Organization is rendering creditable service to the nation in facilitating safe operations in hazardous industry throughout the length and breadth of the country.

P.B. YEDLA
Chief Controller of Explosives

LEGISLATIVE DEVELOPMENTS

The Petroleum and Explosives Safety Organization, since its inception on 5/9/1898, has been serving the Nation as the nodal agency regulating safety of hazardous substances namely explosives, compressed gases and petroleum. The Organization has since earned rare distinction as an institution of excellence in matters relating to safety in manufacture, refining, storage, transportation, handling of hazardous substances etc. for over a century. Apart from the normal functions of enforcement of statutory safety regulations to safeguard public safety, life, property and environment, the Organization 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 etc. Till early nineties of the last century, the officers of the Organization were carrying out anti-sabotage checks and duties related to VVIP security, Airport Security etc. The Organization has creditably rendered training to Police, Security and Intelligence personnel in detection, examination and disposal of explosives/explosive devices, as there was no other agency to impart such training in the country. The activities of the Organization, over the years has increased exponentially and expanded in diverse fields. Today the Organization deals with wide range of subjects relating to Explosives, Petroleum, Compressed Gases, Pressure Vessels, Gas Cylinders, Pipelines, LNG, CNG, and Auto LPG etc.

Initially, the activities of the Organization were confined to enforcement of Explosives Act (4 of 1884) involving inspection of few explosives storage magazines and investigation of accidents related to storage and transportation of explosives. Subsequently, enforcement of Petroleum Act (8 of 1899) and Rules, which came into force on 17.02.1899, and Carbide of Calcium Rules framed under this Act notified on 11.08.1899, was entrusted to this Organization. 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.

With a view to thrash out the impasse and bring uniformity in the system, the Chief Inspector of Explosive endeavored to frame a set of Rules for all states allowing variations essential for local conditions. Finally, the Petroleum Act, 1934 was promulgated in supersession of all earlier Regulations and the Petroleum Rules, 1937 came into force with effect from 30.03.1937 replacing the earlier Central and Provincial Rules. The consolidated Carbide of Calcium Rules came into force with effect from 18.03.1937. After Independence, useful hazardous 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 modern changed scenario and also report of the Rajya Sabha Committee for Sub-ordinate Legislation and new rules Petroleum Rules, 2002 were brought into force.

Similarly there were several revisions and amendments in the Explosives Act and Rules. The Explosives Rules, 1918 framed under explosives Act, 1884 were first replaced by Explosives Rules, 1940, which were later replaced by the Explosives Rules, 1983, and the same has now again been thoroughly reviewed and Explosives Rules, 2008 has now come in force w.e.f. 31.12.2008.

Inflammable Substance Act came into force during 1952. The Gas Cylinder Rules were framed in 1940, which were later replaced by Gas Cylinder Rules, 1981 that were again thoroughly reviewed and were replaced by Gas Cylinder Rules, 2004.

The Static and Mobile Pressure Vessels (Unfired) Rules, 1981 was brought in force to cover the storage and transportation of compressed gases in pressure vessels for the first time in the Country. These rules have been appropriately amended to cover new fields like Auto LPG dispensing stations, LPG plants and Cryogenic liquids.

Due to the complexity of functions and increased responsibility in implementing safety regulations over the entire length and breadth of the country, the Organization has modernized its working procedures making use of latest tools of information technology. Consequently, all the offices of the Organization have been networked through the central server installed at Nagpur. The database of the Organization has been digitized and access to the data has been made available to the public through the net. The stakeholders can now have access to the status of their applications by visiting the Organization's website. The aim of the Organization is to take benefit of modern work procedures, technology and upgraded manpower quality for turning itself into an Institute of Excellence. The reputation earned by this Organization over the century is reflected by confidence shown by Industries, various Government Departments/Organizations and Autonomous Bodies in seeking advice and guidance in the matters relating to handling of hazardous substances.

Aided by its most efficient technocrat work force, congenial working conditions, proactive approach, up-gradation of knowledge base, deployment of IT technologies and above all, traditional dedication to serve the cause of safety, the Organization is now poised to scale new heights of excellence.

ROLE AND FUNCTIONS OF THE ORGANIZATION

With an overall objective of ensuring safety and security of public and property from fire and explosion, the Organization as a statutory authority is entrusted with the administration of Explosives Act, 1884, Petroleum Act, 1934; Inflammable Substances Act, 1952 and the following Rules framed under these Acts;

2.1: STATUTORY ROLE

EXPLOSIVES ACT, 1884:

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

PETROLEUM ACT, 1934:

1. Petroleum Rules, 2002
2. Calcium Carbide Rules, 1987
3. Cinematography Film Rules, 1948

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

2.1.1: EXPLOSIVES RULES, 2008:

The major work under Explosives Rules, 2008 relates to grant of approval, licences for manufacture of explosives, authorization of explosives, storage of explosives, import/export of explosives, transport of explosives by road and packaging for explosives etc. prescribing safe procedures and methods for manufacture of various types of explosives including the tools, equipments and machineries. The Organization also carries out investigation of accidents involving explosives and destruction of unserviceable/seized explosives in the interest of public safety and security.

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

2.1.2: Ammonium Nitrate Declared as special category explosives substance under the Explosives Substances Act, 1908.

In order to prevent misuse of Ammonium Nitrate and for giving deterrent punishment to offenders possessing Ammonium Nitrate with unlawful intent, Ministry of Home Affairs has issued a Notification vide Notification No. S.O. 2899(E) published in the Gazette of India Extraordinary Part-II-Section 3-Sub-section (ii) on 15/12/2008. In the said notification, Ammonium Nitrate or a combination thereof has been declared as special category explosives substance under Clause (b) of Section-2 of the Explosives Substances Act, 1908.

As a consequence any one found possessing Ammonium Nitrate or a combination thereof with unlawful intent is liable to be prosecuted under the Explosives Substance Act, 1908 for which the punishment is rigorous imprisonment of life or with rigorous imprisonment of a term which may extend to 10 years and shall also be liable to fine. Abettors will also be liable for the same punishment provided for the offence.

2.1.3 : GAS CYLINDER RULES, 2004:

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

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

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

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

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

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

The Organization carries out inspection and safety audit of the new premises for verification /endorsement at the time of grant of licenses/approvals and also periodic inspections thereafter of the licensed/approved premises. The above functions also include review of safety audits, periodic tests inspection reports and performance of vessels, 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 generator is governed under this notification. The Organization grants the approval of type of acetylene generator and of acetylene plant. 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 D.A. cylinder filling plants in operation.

2.1.5 : 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 water, land and pipeline, Flameproof and other safety equipments for use in areas laden with flammable gases and licensing of storage installations, Tank trucks for transportation by road, aircraft refueller and also issuance of Certificate of Gas Free in respect of Vessels/Ships carrying petroleum for dock entry or man entry or hot work.

The Organization carries out safety audits of these premises to ensure compliance of Rules and safety measures.

2.1.6 : CALCIUM CARBIDE RULES, 1987:

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

2.1.7: CINEMATOGRAPHY FILM RULES, 1948:

Storage and transport of Cinematography Films having nitro-cellulose base, pose potential mass fire hazard. The storage and transport of such films are governed under these Rules and licensing of storage premises is done by this Organization. The Nitrocellulose based films are replaced by safety films (Polyester) since times. These rules have become redundant and recommended for its deletion.

2.2: ADVISORY ROLE:

With the expertise in specialized technical and safety aspects to prevent fire and explosions of Explosives, Petroleum, Carbide Calcium, Gas Cylinders, Pressure Vessels and other hazardous substances, the Organization acts as a unique Advisory body not only to the industry but also to the Government and Semi-Government bodies like Ports, Railways, Defense establishments and Ministries of Surface Transport, Environment & Forests, Petroleum & Natural Gas, Pollution Control Authorities etc. The Organization plays important role in formulation of 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 and other officers also represent in the State level and District level Crisis Management Groups.

ACTIVITIES OF THE ORGANIZATION IN BRIEF

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

- Explosives manufacturing factories
- Explosives storage premises
- Fireworks manufacturing factories
- Fireworks store houses and shops
- Manufacture of Explosives at site in Bulk Mixing and Delivery [BMD] Vehicles.
- Gas Cylinder filling plants
- CNG filling stations
- Storage sheds for filled gas cylinders
- Storage installations for compressed gases in pressure vessels
- Auto LPG dispensing stations
- Petroleum storage installations
- Petroleum storage sheds
- Petroleum tank lorries
- Petroleum cross-country pipelines.
- Petroleum service stations.
- Calcium carbide storage premises.

3.2: Scrutiny and appraisal of proposals for approval of design and construction of Explosives vans, Bulk mixing and Delivery vehicle for site manufacture of explosives, vehicles for transport of compressed gases in pressure vessels and Petroleum Tank Lorries.

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

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

3.5: Scrutiny and appraisal of proposals of design, construction and laying of Trunk Route Pipeline for 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.
- 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 indigenously manufactured and imported for grant of approval thereof.
- 3.9 :** Scrutiny and appraisal of proposals of factories fabricating pressure vessels and its fittings, gas cylinders valves, LPG regulators and petroleum tank truck & 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 for issuing gas free certificates for allowing hot work, entry of man in such tanks and entry of such vessels in docks.
- 3.16:** Technical investigation of accidents related to the substances coming under the purview of the Acts and Rules administered by the Organization for ascertaining causes of accident and violations.
- 3.17:** Scrutiny and appraisal of proposals to import, export and transport explosives for grant of licence thereof.
- 3.18:** Authorization of new explosives after adequate tests and trials.
- 3.19:** Grant of permission for filling/use of gas cylinders imported from abroad and manufactured in India.
- 3.20:** Grant of licence/permit for import of cylinders & pressure vessels.
- 3.21:** Scrutiny of periodic returns under various Rules.
- 3.22:** Review & Amendment of Rules and grant of exemption/relaxation wherever necessary in Public interest.
- 3.23:** Training of police personnel, security and other officers in detection/safe handling etc. of explosives and other dangerous substances.

3.24: Advising 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.

3.25: Examination/testing of explosives/hazardous substances for classification of hazard.

3.26: 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.

3.27: Participation as Chairman or member in various committees appointed by the Ministry of Defence, Bureau of Indian Standards and other Ministries and Departments.

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 **122 Group 'A' officers and 358 Group 'B', 'C' and 'D' officials**. Out of the above, **29** posts of Group 'A' and **13** Group 'B', 'C' & 'D' officials are lying vacant due to various administrative procedures and reasons. The Petroleum and Explosives Safety Organization (PESO) is **headed by the Chief Controller of Explosives** with its **headquarters at Nagpur** and there are **5 circle offices** headed by the Jt. Chief Controller of Explosives located at **Mumbai, Chennai, Kolkata, Faridabad and Agra**. The Organization has **13 Sub-Circle Offices** headed by the Dy. Chief Controller of Explosives and **5 factory attached offices** headed by the Controller of Explosives (for details please refer to Annexure-I)

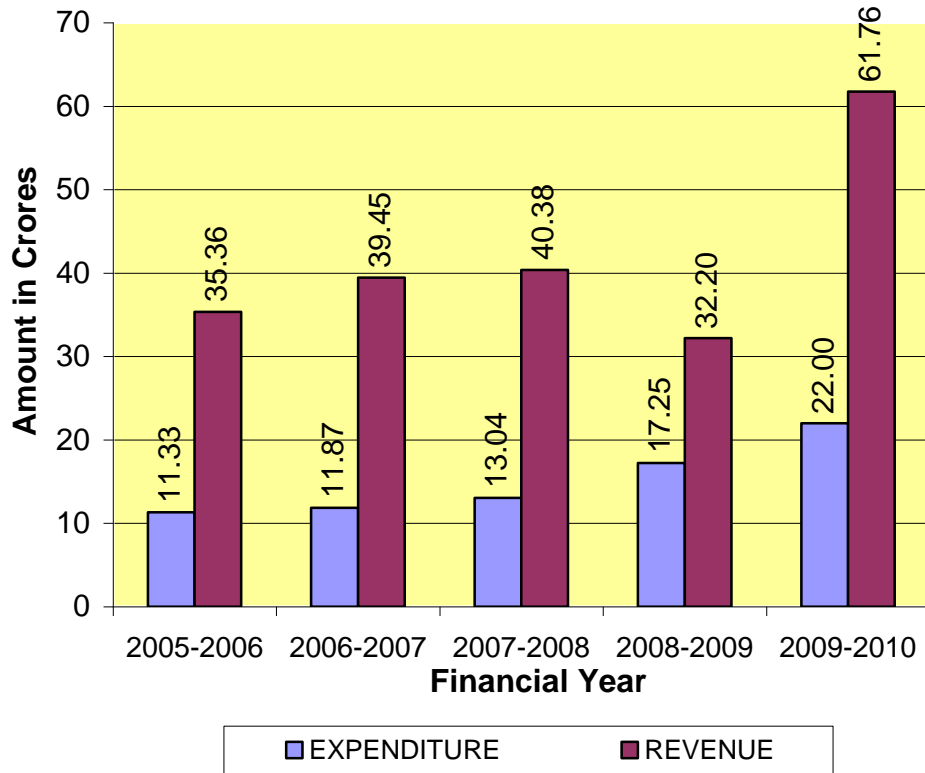
4.2: BUDGET & EXPENDITURE:

During the year, budget granted for Organization under non-plan budget was Rs. **23,13,00,000/-** and under plan budget was Rs.**3,00,00,000/-**. During the year, expenditure under non-plan budget was Rs.**21,99,54,127/-** and under plan budget was Rs.**2,87,67,024/**.

4.3 : REVENUE:

During the year, the Organization earned revenue of Rs.**61,75,54,418/-** on account of fees for the services rendered which includes Rs.**36,08,89,892/-** under Explosives Act and Rs.**25,66,64,526/-** under Petroleum Act.

REVENUE & EXPENDITURE (Non-Plan)



DEPARTMENTAL TESTING STATION & FIREWORKS RESEARCH DEVELOPMENT CENTRE

INTRODUCTION:

The Departmental Testing Station is situated at 18 KM Stone, Nagpur – Amravati Road, N.H. No. 6, Village Gondkhairy, District Nagpur and is spread over 81 acres of land. The Testing Station functions under the overall guidance and control of Chief Controller of Explosives, Nagpur.

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

FUNCTIONS:

A. STATUTORY TESTS:

Sl. No.	Rules	Purpose of Test
1.	Explosives Rules, 2008	Authorization of new compositions and specification of Explosives. Subsequent annual test for deciding about deletion or otherwise from list of authorized explosives. Approval of Packages of Explosives.
2.	Petroleum Rules, 2002	Approval of design of Safety Fittings of Tank Lorries. Subsequent test for deciding revalidation of manufacturing approval. Approval of Metal Container of petroleum.
3.	Gas Cylinder Rules, 2004	Statutory Test facilities available for LPG and Compressed Gas Cylinder testing as per relevant BIS Standards.
4.	SMPV (U) Rules, 1981	Testing facilities under development.

B. QUALITY CONTROL TESTS:

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

C. UN CLASSIFICATION TESTS (Opens New Frontier for Export of Explosives):

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

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

D. TESTING OF SAMPLES:

During the year, the following quantities of different samples were tested at Departmental Testing Station.

S No.	DESCRIPTION	QUANTITY
1.	EXPLOSIVES	
	Slurry/Emulsion Class-2	162 Kg
	Pentolite Booster Class-3	13 Kg
	Fireworks	355 Kg
	Safety Fuse	18 Meters
	Gun Powder	09 Kg
	Detonators	168 Nos
	Detonating Fuse	26 Meters
2.	CFB Packages of Explosives	
	Samples for new approval propose	04
	Samples drawn by Circle/Sub- Circle officers	143
3	Petroleum Tank Lorry Safety Fittings	
	For new approval	03
	For revalidation	32
	Total	933

E. DESTRUCTION OF EXPLOSIVES:

SAMPLE REMNANT DESTROYED AT DTS.

Class-1	--
Class-2	1401.35 Kgs.
Class-3 Div.2	26 Kgs.
Class-6 Div.1	57.24 Mtrs.
Class-6 Div.2	4680 Mtrs.
Class-6 Div.3	2061 Nos.
Class-7 Div.2	5 Kgs.

F. REVENUE :

During the year, Departmental Testing Station has earned revenue of Rs. **40,62,025/-**.

FIREWORKS RESEARCH & DEVELOPMENT CENTER (FRDC) AT SIVAKASI

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

Creation of Civil structure of FRDC was taken up under 10th plan and completed in all respects. The work executed includes purchase of 2.02.5 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, Ministry of Commerce & Industry, New Delhi; Vide GSR No. 225 dated 06/09/2006 in the Gazette of India, Part-II, Section 3, Sub-section (i). PESO had developed compositions for sound producing firecrackers to be within the limits prescribed by Environment Norms; with the technical assistance of MEPCO Schlenk Engineering College, Sivakasi. This chemical formulae specify the proportion/composition as well as maximum permissible weight of every chemical used in the manufacture of four commonly used sound producing firecrackers *viz.*, (a) Atom Bomb, (b) Chinese Crackers, (c) Maroons & (d) Garland crackers with specific reference to its shape, size, dimensions and confinement, so as to satisfy the requirements laid down under Govt. of India Notification No. GSR 682(E) dated 05/10/99.

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

e-GOVERNANCE

e-Governance in PESO owes its genesis to the recommendations of the expert committee on Information Technology set up by Government of India to achieve the goal of IT in Government Departments. PESO implemented the project in phases from April 2000 under 9th Five-year Plan; continued under 10th Five-year Plan and ongoing under 11th Five-year Plan with the outlay of Rs. 10.56 crores.

To drive the National e-Governance Plan to the next arena the following upgradations are being carried out under the 11th Five-year Plan.

- Online submission of Quarterly Return of Explosives in Form RE-7 by all the license holders in Form LE-3 to have effective monitoring on transaction of explosives across the country.
- Online submission Accounts of Explosives Manufactured in Form RE-2 by all explosives manufacturing licence holders.
- Converting the entire gamut of present online application software modules from ASP to latest technology ASP.Net to providing online interface to licensee for online submission of their applications .
- Providing Five 2 Mbps leased lines each to Five Circle Offices in place of the existing 10 Nos. of 256 Kbps lines connecting Circle offices.
- Commissioning of Video Conferencing and Voice Communication between HQ and Circle Offices through leased lines of higher bandwidth.
- Providing 19 leased lines of 512 Kbps bandwidth to all Sub Circle Offices, Factory attached Offices, Testing Station and FRDC, Sivakashi in place of the existing 13 Nos. of 128 Kbps leased lines connecting Sub Circle Offices.
- Upgrading of existing Internet gateway from 1 Mbps shared to 4 Mbps dedicated throughput for effective implementation of online submission of Form RE-7 and Form RE-2.
- Up-gradation of existing LAN-WAN Hardware and strengthening the IT infrastructure.
- On the organization's web site <http://peso.gov.in> all necessary, useful and relevant information has been made available to stake holders e.g.-

- All Acts and Rules
- Downloadable Application Forms
- Where to make Application
- Area Jurisdiction of Offices
- Addresses, Telephone/Fax numbers and email addresses of all offices
- Names (with Photographs) of all officers posted in various offices
- List of Competent Persons
- List of Authorized Explosives
- Many other useful Information

Also through Public Domain segment of web site stake holders can now view status of their applications and with either the document number or the name and date of their application. Bilingual letters/licenses are also being generated online.

MEETINGS-SEMINARS-LECTURES-TRAINING PROGRAMMES- FOREIGN VISITS OF CHIEF CONTROLLER OF EXPLOSIVES

MEETINGS:

- Attended 27th Safety Council Meeting in the Ministry of Petroleum & Natural Gas, New Delhi.
- Attended OISD Awards of Presentation Ceremony 2008-09 as a Member of Safety Awards Committee.
- Attended meeting chaired by Secretary and Additional Secretary, MOE& F in Paryavaran Bhavan, New Delhi in connection with IOCL Jaipur Accident.
- Attended meeting in connection with draft Ammonium Nitrate Rules at DIPP New Delhi.
- Attended meeting convened by Shri M.B. Lal, Chairman Independent Inquiry Committee in connection with IOCL, Jaipur accident.
- Meeting with fireworks manufactures in an interactive session at FRDC, Sivakasi.
- Attended meeting in the Ministry and Meeting of Parliamentary Standing Committee, New Delhi.

VISITS:

- Investigated into the fire/explosion incident occurred at Jaipur POL installation of M/s IOCL.

SEMINARS & WORKSHOPS :

- Inaugurated two days work shop on “Safety Management and Loss Prevention in Chemical & Allied Industries jointly organized by PESO and Indian Institute of Chemical Engineers, Kolkata.
- Chaired ME:16 meeting of BIS technical Committee on Gas Cylinders, Valves and Regulators and Seminar on High Pressure Cylinders.
- Inaugurated a comprehensive periodical training programme for the competent persons and representatives of TANFMA.
- Inaugurated One Day Seminar jointly organized by PESO, Hyderabad and M/s Premier Explosives Ltd at Hyderabad on “Accident Investigation in explosives Industry”.

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

FOREIGN VISITS :

Shri T.R. Thomas, Jt. CCE and Shri Shambu Prasad, Dy. CCE visited pressure cylinder manufacturing facilities of M/s. White Marten Gases Industries Ltd. At

Rodiva Presidento, Dutra BarraMansa, Brazil from 18/08/2009 to 20/08/2009 along with Shri S.K. Thade, Director, Ministry of Commerce and Industry, DIPP, New Delhi and evaluated the manufacturing and testing facilities of CNG cylinders and capability of the firm to manufacture CNG cylinders conforming to ISO:11439 for CNG application. The team submitted the report to Chief Controller of Explosives

a. MEETINGS:

1. Shri T R Thomas JtCCE Nagpur attended

- a. Meeting at the ARAI regarding amendment proposals for including compressed Hydrogen for Auto fueling in the Gas Cylinders Rules, 2004.
- b. Security Advisory Committee meeting called by Ministry of Home Affairs at Delhi.
- c. Meeting called by secretary, DIPP regarding Budgetary Demands accompanying Chief Controller of Explosives.
- d. Meeting of the Expert committee constituted by Govt of India to formulate guidelines/rules regarding the use of Hydrogen as automotive fuel at the Ministry of Surface Transport.
- e. Meeting of the sub committee to outline the roadmaps of Hydrogen as Auto fuel in India at Delhi.
- f. Workshop on “opportunities and challenges for development of City gas & CNG in India organized by GAIL at Noida and chaired one Technical Session and Valedictory session.
- g. Workshop on Digital Archiving organized by NIC at Delhi.
- h. The meeting of the expert committee on Ship breaking at Ministry of Steel, Delhi.
- i. Organised Explosives manufacturers meet at the HQ to facilitate the online submission of daily manufacturing records of High Explosives and submission of quarterly return.

2. Dr Anoop Kumar DyCCE, Chandigarh attended District crises management group meeting at Roper 26.11.2009 and 04.12.2009.

3. Shri S.Ray, Controller of Explosives attended a meeting of Committee on Developments/Adaptation of Safety Standards concerning Biogas-Purification/enrichment, Bottling, Piped Distribution, Transportation and Utilization to Biogas Digesters and Bio-Methane Pilot Plant at Shri Krishna Goshala, Karhera, Ghaziabad. The technical details concerning Bio-Methane storage and filling was debated at length.

4. Dr.A.P.Singh, CE, Hazaribagh attended a meeting conducted at CCL HQ, Darbhanga House, Ranchi on 14.7.2009 on “Safe Possession & Transport of Explosives”. CMD,DT(Operation), ED(P) & CGM of all 11 areas of CCL attended the programme.

b. LECTURES:

- 1) Shri D. Vijayan, Jt. CCE, Agra delivered a lecture on Explosives Rules 2008 in a Hindi workshop held on 14/09/2009. He discussed all the salient features related to ER, 2008.

- 2) Shri SC Maiti Jt.CCE, Mumbai delivered a lecture to senior officers of BPCL Refinery Mahul Mumbai for safe practices followed in petroleum refinery in the month of Nov-2009.
- 3) Shri R.C. Kaul, Dy.CCE Varodara delivered a lecture on “Hazardous Area and Area Classification” at the seminar on Explosives Protection organized by PESO Vadodara in collaboration with GSC and TECEX at Vadodara.
- 4) Shri R.C. Kaul Dy.CCE, Vadodara gave a talk on “Design of Static & Mobile Pressure Vessels and Installations of Ammonia & Methyl Amines” at Mumbai in a Seminar organized by Jt.CCE, Mumbai.
- 5) Shri R.C. Kaul Dy.CCE, Vadodara delivered a talk on “Essentials of Tank Farm Safety” at the National Seminar on “Trends in Tank Farm Safety” organized by Indian Institute of Chemical Engineers, Vadodara Regional Centre, in collaboration with Directorate of Industrial Safety and Health, Gujarat State on 20/02/2010 at Surya Palace Hotel, Vadodara.
- 6) Shri R.C. Kaul Dy.CCE, Vadodara made a presentation in a one day seminar on “NDT Techniques on Pressure Vessels” organized by PESO, Vadodara on 18/03/2010 in association with ISNT, Vadodara Chapter and Gujarat Safety Council, Vadodara.
- 7) Dr. S. Kamal, Dy.CCE, Faridabad delivered a lecture on filling and handling of Ammonia, MMA, DMA & TMA at Mumbai in a seminar organized by Jt.CCE, Mumbai.
- 8) Dr S Kamal Dy.CCE, Faridabad delivered a lecture on “Experience Gained and Strategies used in last 5 years on Disaster Management on Transportation of Hazardous Chemicals by PESO” at 2nd India Disaster Management Congress at Vigyan Bhawan, New Delhi
- 9) Dr Anoop Kumar DyCCE, Chandigarh delivered a lecture at Central Detective Training School, Chandigarh to Police Officers from the Northern States of the country of the rank of Dy.S.P. / Insp. /Sub-Insp. On “Provision of Explosives Act, 1884/Explosives Rules, 1983. Role of Police in maintaining law and order in fixed mining and explosives industries.
- 10) Shri R K Maindola Dy.CCE, Mumbai delivered lecture on Explosives Act & Rules & Petroleum Act & Rules to the participants of the training programme organized by National Safety Council, Mumbai.
- 11) Shri NT Shahu Controller of Explosives, Rourkela, delivered one lecture at OASP, Rourkela to 323 officers of Constable & Sub-Inspector level during June, 2009.
- 12) Dr.R.K. Rathore, CE, Guwahati had attended a workshop on “Role of CNG & PNG in North East” at Agartala, Tripura organized by TNGCL, Tripura on 22.9.2009. He has delivered a lecture on CNG & PNG and also acted as Chairman of Technical Session-1. The workshop was inaugurated by Shri Manik Sarkar, Hon’ble Chief Minister of Tripura.

c. SEMINARS AND WORKSHOP :-

1. PESO had jointly organized a Workshop on “Safety during Production, Storage and Handling of Cryogenic Liquids and High Pressure Gases” with ISRO on 11th July 2009 at Regional Remote Sensing Centre, Nagpur to create and reinforce awareness on the importance of safety by disseminating and promoting modern

ideas, concepts and systems among the Cryogenic Liquids users. Ajai Nigam, Chief Controller of Explosives delivered keynote address and Padmashri S. Ramakrishnan, Director (Projects), Vikram Sarabhai Space Centre, ISRO presided over. About 90 delegates comprising of ISRO Scientists, Officers of PESO, Crogenic Vessels/Cylinders manufacturers from different parts of the country and one speaker from Germany attended the workshop.

2. One day workshop on “CNG for Automotive Fuel: Present and Future Challenges” was jointly organized by PESO and M/s Indraprastha Gas Limited, New Delhi on 24th July 2009 at Nagpur. A warm welcome was extended to all the 125 delegates, speakers, exhibitors and industrial representatives from India and abroad by Shri T R Thomas Jt CCE. Shri Rajesh Vedvyas, MD, IGL was the Chief Guest and inaugurated the workshop. Shri Ajai Nigam, CCE, in his theme address expressed happiness and appreciation to all invitios and delgates. An exhibition was also organized alongwith the workshop on latest developments in the area of composite cylinders, tube cylinders and issues concerning the testing of CNG cylinders during their periodic statutory testing. The workshop was a grand success.

3. Joint Chief Controller of Explosives Kolkata had organized two days workshop on SAFETY MANAGEMENT & LOSS PREVENTION IN CHEMICAL AND ALLIED INDUSTRY on 4th & 5th December, 2009 which was jointly organized by Calcutta Regional Centre, Indian Institute of Chemical Engineers (IICChE) and Petroleum & Explosives Safety Organisation, East Circle, Kolkata. Shri S. Bhattacharyya, Jt. CCE, EC, Kolkata, also addressed the workshop. Shri Sanjoy Sen, Dy. Chief Controller of Explosives, EC, Kolkata gave a presentation on the Gas Cylinder Rules, Petroleum Rules and Carbide of Calcium Rules. Shri S.D. Mishra, Dy. Controller of Explosives, EC, Kolkata delivered a lecture on Fundamentals of Chemical Process, Plant Safety.

4. Jt. Chief Controller of Explosives, South Circle, Chennai inaugurated One Day Workshop jointly organized by PESO and HPCL on “Safety in ALDS installations” at Mangalore. The workshop was addressed by experts from the industry. Officers from PESO Mangalore, Ernakulam, South Circle, Chennai attend the workshop.

5. Shri A. Bhattacharyya, Dy. CCE, Asansol and Shri Sanjoy Sen, Dy. CCE, had attended an International Seminar and Exhibition on “Recent Trends in Design Development, Testing & Certification of Ex-equipment (DTEX-2009) at Dhanbad from 29th to 31st October, 2009, which was jointly organized by the Central Institute of Mining & Fuel Research, Dhanbad and Directorate General of Mines Safety, Dhanbad.

6. Shri A.K. Kunj, Dy. CCE, and Dr. R.K. Rathore, CE, Guwahati had attended a Conference on Energy Resources of North East India on 11.11.2009 organised by SECONE at Guwahati. The conference was inaugurated by Dr. Farooq Abdullah, Hon’ble Union Minister.

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

1. REPRESENTATION OF SCHEDULED CASTES/TRIBES/OBCs:

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

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

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

The break-up of the number of Scheduled Castes/Scheduled Tribes and Other Backward Classes 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	Toal Post Filled
1	Group 'A'	16	04	15	93
2	Group 'B'	09	02	05	37
3	Group 'C'	58	23	58	247
4	Group 'D'	23	07	09	62

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 'B', 'C' and 'D' posts, which can held by physically handicapped persons.

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

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

VIGILANCE ACTIVITIES

Vigilance activities of the Organization are under direct command of Chief Controller of Explosives, Head of the Organization. Apart from Head office at Nagpur, Vigilance Cell is functional in all the Circle and Sub-Circle offices of the Organization throughout the country and the testing station. 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 during the period Nov. 03 to 07, 2008 in all the offices of the Organization in accordance with the guidelines of CVC. All the officers and staff members of the Organization took pledge and various activities were organized to high light awareness about effective preventive measures undertaken through system improvements and use of Information Technology to achieve transparency, accountability, fair play, objectivity and timely response in all matters.

- Activities of sensitive nature have been identified and surveillance is maintained thereon.
- 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.
- Heads of the offices monitors activities of subordinate officers regularly.
- Activities of Heads of Sub-Circle offices are monitored by Heads of Circle Offices.
- The Chief Controller monitors activities of Heads of Circle offices and other offices of Head office.

- Regular and surprise inspections are carried out by nominated officers and Heads of offices/Organization to review sensitive areas/activities of officials.
- 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.
- List of dealing officers with their authorized areas of activities have been conspicuously displayed in the reception room.
- List of officials suspected to be indulging in malpractices is maintained and their activities are closely monitored.
- Public complaints about malpractices are given top priority and are investigated by the Head of the Organization /Head of the Office.
- 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.
- The dealing officers and assistants are made acquainted with the provisions of conduct rules and instructions issued by the Government from time to time.
- Cases of officers who have attained the age of 50 years or put in 30 years of service are reviewed regularly under FR 56(j).

USE OF OFFICIAL LANGUAGE

With a view to create awareness and promote use of Official Language Hindi in office work, various awareness programmes were undertaken during the year in the organisation. Effective steps were initiated to ensure compliance of the Official Language Policy of the Government, as also to implement the Annual Programme of the Department of Official Language and comply with their orders. As a result of incentives and goodwill, there has been a considerable progress in the use of Hindi as Official language in day-to-day working of the organisation.

The Chief Controller of Explosives regularly reviews performance in Hindi working of circle and sub-circle officers during his visits. All the correspondences received in Hindi were replied in Hindi.

In accordance with Govt's Official Language policy and programme, monitoring is done regarding progress made in use of Hindi through reviewing quarterly progress reports of Circle/Sub Circle offices in the meetings of the Departmental Official language Implementation Committee.

On 17.02.2010 Dr. Saroj Kumar Tripathi, Dy. Director (Implementation), Regional Implementation office (North), Ghaziabad visited the O/o. Jt. Chief Controller of Explosives, Agra for inspection of the activities towards usage of Rajbhasha. He was very much impressed by the contribution of the office towards implementation of the official language policy and commented the office to have set an example for other Govt. offices and is having the capability to reach greater heights. On this occasion Hindi Patrika "Madhyanchal Darpan" was released.

Efforts for implementating the official language policy

Quarterly meetings of Departmental Official language Implementation Committee of the head office as well as all the Circle/Sub-circle offices were held regularly to review the Quarterly Hindi timahi reports and remedial measures were suggested to remove the shortcomings.

Quarterly reports are being regularly sent to Ministry's Rajbhasha Section with a copy of the same to local Nagar Raj Bhasha Karyanvayan Samiti.

Local Nagar Raj Bhasha Karyanvayan Samiti meetings

Officers of head office as well as all the Circle/Sub-Circle offices attended Hindi Meetings convened by local Official Language Implementation Committee to discuss progress of Hindi.

Publication of Visphotak Darpan -9

The organization has been publishing its in-house journal Visphotak Darpan. This year Visphotak Darpan-9 was brought out thus highlighting the talent of their employees.

Training under Hindi Teaching Scheme

During the period under review nearly all the employees have completed their training in Hindi.

Hindi Workshops

Hindi workshops are organized for officers and staff, with a view to encourage more and more employees to do their work in Hindi. Workshops on implementation of official language were organized quarterly for the officers and staff of all the offices. Priority is being given to impart training to the staff in Hindi for efficient working.

Hindi Fortnight celebration

With a view to create a conducive atmosphere for the progressive use of Hindi in the organization, "Hindi Fortnight" was celebrated by the Head Office and Circle/Sub-Circle Offices of the Organisation in the month of September 2010 with full fervor and enthusiasm. . Various competitions like Hindi Typing, Essay, Noting Drafting, Shabda Gyan, Chitra par aadharit kahani, Sulekh, Antakshari, and Prashnottari were organised. An exhibition of Hindi books in the library of the organization was also arranged during the fortnight celebration. Those employees efficiently working in Hindi were awarded with incentives in the Hindi Pakhwada celebration function.

All the officers and staff participated in the competitions with great enthusiasm thus making a very healthy atmosphere for development of Hindi. Winners were awarded suitably.

Achievements

On 28.01.2010 in a grand Prize Distribution Function of Local Departmental Official Language Implementation Committee (NARAKAS), **Head office, Nagpur** was awarded with **Second Prize** in the form of Shield for their contribution for promotion of the Official Language 'Hindi' for the year 2008-2009. In this function, Shri R.R. Sahare, Accountant of the office was awarded first prize for securing highest mark in Hindi

Pragya examination in Nagpur organized by Hindi Teaching Scheme, Nagpur. The NARAKAS, Nagpur in their meeting appreciated the cent per cent result and outstanding performance of maximum candidates of head office appeared for Pragya examination. In the Award function successful candidates of the office - Ku. Shital Sadanshiv, Shri Rajesh Sahare, Ku Manjusha Darvekar and Shri Mahendra Sayare who participated in inter-office competitions like Chitra par Aadharit Kahani, Tippian Aalekhan, Shabda Gyan and Hindi Computer Tankan competition respectively were awarded suitably.

O/o Jt. Chief Controller of Explosives, Agra office has contributed considerably towards the progress of Hindi. For last two years the office is celebrating the year as Hindi year with the slogan "Har Diwas Hindi Diwas". Every month various programmes, competitions, etc were organized. Quarterly Hindi magazine "Madhyanchal Darpan" was brought out. "Madhyanchal Samachar" the bimonthly magazine was also brought out this year.

For their outstanding contribution in implementing the Official Language policy, Shri D. Vijayan, Jt. Chief Controller of Explosives, Agra and Jr. Hindi Translator Smt. Shravani Ganguly were awarded individually. Shri D. Vijayan, Jt. Chief Controller of Explosives, Agra was awarded with "Gair Hindi Bhashi Samman" in the form of a shield.

The Nagar Rajbhasha Karvayan Samiti awarded O/o.Dy. Chief Controller of Explosives Allahabad office with 2nd prize of Chal Vaijanti alongwith a shield on 25.02.2010 for the year 2008-2009 for enhancing the rajbhasha programme and also appreciated the efforts of the office and specially appreciated the contribution of Dr. M.M. Beg, Dy. Chief Controller of Explosives, Allahabad.

INSPECTIONS OF LICENSED/APPROVED PREMISES

In spite of severe resource constraints due to several posts of inspection officers in various grades remaining vacant, 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, 13,726 units (out of total 77,753 units licensed/approved) were inspected. This amounts to inspection of 17.65% of the total premises. The units inspected mentioned above include 6,721 Licensed units under Explosives Rules; 3,884 Licensed units and 145 approved units under Gas Cylinder Rules; 2,965 licensed units and 11 approved units under SMPV (U) Rules.

UNDER PETROLEUM ACT, 1934:

During the year, 11,243 units licensed/approved were inspected, which amounts to about 6.13% of the total 1, 83,347 licensed/approved units. The above inspections include 11,182 units licensed/approved under Petroleum Rules, 61 units licensed/approved under Calcium Carbide Rules.

In all out of 2,61,100 units covered under licenses and approvals granted by this Organization under various Acts & Rules, 24,969 premises (9.56%) were inspected during the year 2009-10. Statistical information about the premises licensed/approved under various Acts & Rules and inspections carried out thereof are given in Table-I.

Wherever defects, irregularities or violations or 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. In cases of violations regular follow-ups were made for ensuring safe conditions and safe practices.

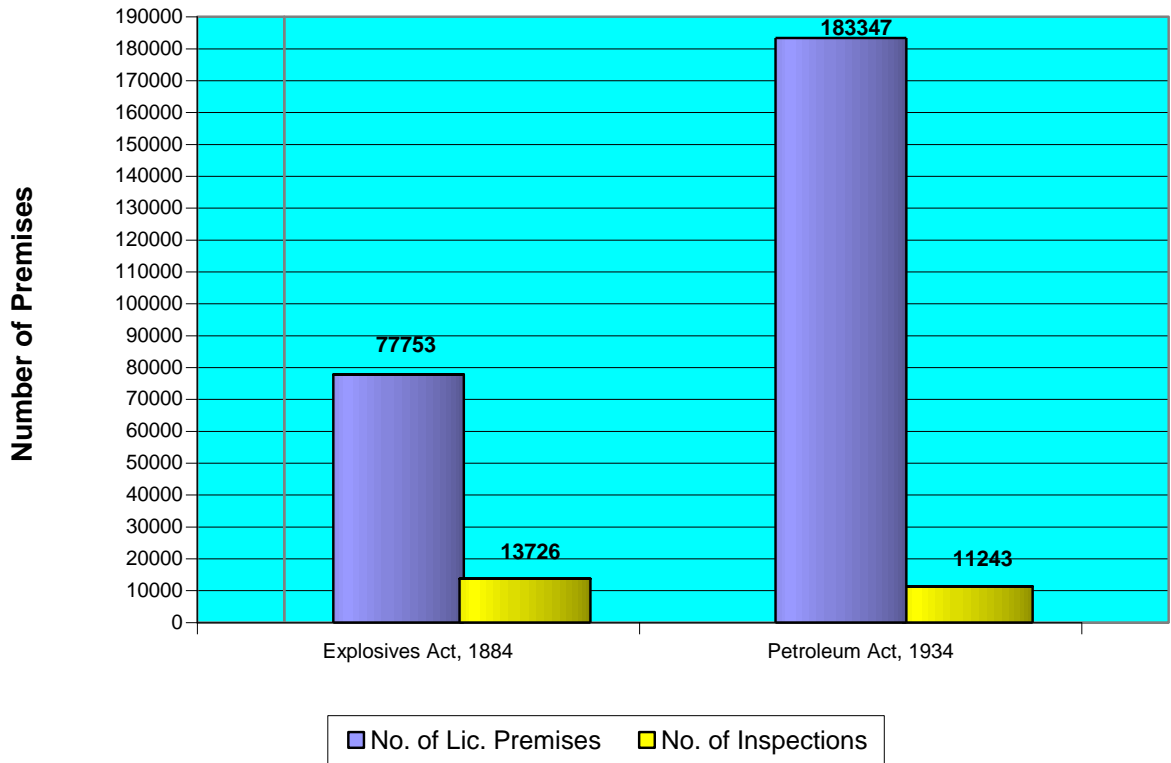
**DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR 2009-2010
[A] PREMISES COVERED UNDER LICENCE**

Number of Licensed Premises & Inspection					
Acts & Rules	As on 01.04.2009	Licensed in the year 2009-10	License cancelled in the year 2009-10	Total as on 31.03.10	No. of Inspec tions in the year 2009- 10
1. Under Explosives Act, 1884					
i. Explosives Rules, 2008					
Category 'A'	17293	1577	1223	17647	4426
Category 'B'	8804	1106	318	9592	2289
ii. Gas Cylinder Rules, 2004	19388	1065	930	19523	3884
iii. SMPV(U) Rules, 1981	24822	2068	649	26879	2965
Total [1]	70307	5816	3120	73641	13564
2. Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	2344	279	7	2616	500
Category 'B'	167489	11088	12277	166420	10613
ii. Calcium Carbide Rules, 1987	469	6	19	456	61
iii. Cinematography Film Rules, 1948	2	0	0	0	0
Total [2]	170304	11373	12303	169492	11174
Total [1] + [2]	240611	17189	15423	243133	24738

[B] PREMISES COVERED UNDER APPROVAL

Number of Approved Premises & Inspection					
Acts & Rules	As on 01.04.2009	Approved in the year 2009- 2010	Approval cancelled in the year 2009- 2010	Total as on 31.03.10	No. of Inspect ions in the year 2009- 2010
1. Under Explosives Act, 1884					
i. Explosives Rules, 2008					
Category 'A'	187	0	0	187	6
Category 'B'	2207	287	572	1922	0
ii. Gas Cylinder Rules,2004	1178	41	0	1219	145
iii. SMPV(U) Rules,1981	775	9	0	784	11
Total [1]	4347	337	572	4112	162
2. Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	933	33	0	166	26
Category 'B'	13321	365	0	13686	43
ii. Calcium Carbide Rules, 1987	39	0	36	3	0
iii. Cinematography Film Rules, 1948	0	0	0	0	0
Total [2]	14293	398	36	13855	69
Total [1] + [2]	18640	735	608	17967	231
Grand Total [A]+[B]	259251	17924	16031	261100	24969

Chart showing the number of Licensed Premises and number of Inspection carried out during 2009-2010



ACCIDENT INVESTIGATION
SOUTH CIRCLE, CHENNAI

UNDER EXPLOSIVES RULES, 2008:

1. 29.5.2009 at – Palayur village, Nagapattinam District, Tamilnadu

Killed -1 Injured - Nil

Fire/Explosion occurred in the manufacturing shed of the fireworks factory at village Palayur, District Nagapattinam, while filling of cracker composition. The licence was granted by the DM, Nagapattinam In the accident one person was killed. One shed was razed to ground. The probable cause of accident was frictional spark generated while ramming dry fireworks composition in the iron tubes with iron pins.

2. 7.7.2009 at –Vadakkampatti village, Madurai District- Tamilnadu

Killed - 19 Injured- 22

Fire/explosion occurred in shed No.1 of the fireworks factory at village Vadakkampatti, District Madurai. The licence was granted by DM, Madurai. In the accident 19 persons were killed and 22 persons sustained burn injuries. The probable cause of accident was the frictional spark generated while filing and ramming the prohibited highly sensitive explosive composition containing chlorate of potassium with sulphur.

3. 20-7-2009 at 10.45 AM Namaskarathanpatti village, Virudhunagar District – Tamilnadu

Killed – 18 Injured - 7

Fire/explosion occurred near the Shed No.78 of the fireworks factory of M/s Sri Krishna Fireworks Factory Pvt.Ltd. In the accident 18 persons were killed and 7 persons sustained burn injuries. 7 sheds razed to ground and 24 sheds were badly damaged. The probable cause of accident was decomposing of colour pellets.

4. 28.7.2009 at Keelathiruthangal village, Virudhunagar District- Tamilnadu

Killed – 3 Injured - Nil

Fire/explosion occurred in shed No.97 of fireworks factory of M/s Anil Fireworks Factory. In the accident 3 persons were killed. Two sheds were razed to ground. The probable cause of accident was spark generated due to friction / impact of gritty particles on the floor of the filling shed.

5. 3.8.2009 at Meenambatti village, Virudhunagar District-Tamilnadu

Killed – 1 Injured - Nil.

Fire/explosion occurred in the white powder mixing shed of M/s The Classic Fireworks Industries. In the accident one person was killed. The probable cause of accident was the carelessness of the worker while handling of white powder composition.

6. 4.8.2009 at 11.45 PM Adiyanuthur Grammam, Dindigul Disitric- Tamilnadu

Killed – 1 Injured - Nil

Fire/explosion occurred in the oxygen cylinder filling plant of M/s Dhivya Lakshmi Gas Company at R.S.Pannai, Sirumalai Adivaram, Adiyanthur Grammam, Dindigul District while filling compressed oxygen in cylinders.

7. 29.8.2009 at Mettamalai village, Virudhunagar District- Tamilnadu

Killed – 2 Injured - 3

Fire/explosion occurred at M/s Sapna Fireworks. The probable cause of accident may be decomposition of wet tipping composition of wheel.

8. 3.09.2009 at HPCL LPG Bottling Plant, Mangalore –Karnataka.

Killed - Nil Injured 2.

Fire occurred due to generation of spark while dragging the cylinder in valve changing shed where LPG vapors were accumulated due to stacking of valve removed and residual LPG contained in cylinders.

9. 8.9.2009 at Thulukkankurichi village, District Virudhunagar, Tamilnadu

Killed – 1 Injured - Nil

Fire/explosion occurred in the ingredient shed of fireworks factory of M/s Sri Ramalakshmi Pyrotechnics at village Thulukkankurichi, District Virudhunagar. The probable cause of accident was gradual built up of heat due to ingress of moisture into the aluminium powder storage.

10. 16.11.2009 at Narayanapuram Village, Dachepalli Mandal, District Guntur Tamilnadu

Killed -12 Injured - 15.

An explosion occurred in shop cum residence of Shri Burela Kotteswara Rao, a licensed dealer in high explosives at Narayanapuram, Dachepalli Mandal Guntur. As a result of which the adjoining buildings suffered major damage and 12 persons were killed and 15 others were injured. The explosives were stored in an unauthorized place.

11. 13.12.2009 at Palladam, Coimbatore District, Tamilnadu

Killed -1 Injured - 2.

A fire explosion occurred at the Safety Fuse manufacturing unit. The probable cause of accident may be due to friction / impact of spilled gun powder near the spinning machine.

12 01.2010 At Visakhapatnam District, Andhra Pradesh

Killed -1 Injured - 2.

An accident involving Oxygen/LPG cylinders occurred on 12.1.2010 at 10.30 hours at fabrication yard within the premises of M/s Rashtriya Ispat Nigam Limited Visakhapatnam. One of the two LPG cylinders transported along with Oxygen cylinders in a truck caught fire and fell on the rear side of the truck where 3 persons were working resulting in death of one persons and injuries to two others.

13 08.02.2010- Vellore-Tamilnadu

Killed – Nil Injured - 4

An explosion took place in building No.D-5-04 (PETN/DF Plant) of M.s Tamil Nadu Industrial Explosives Ltd, Vellore during maintenance stage. The probable cause of accident may be due to some residual explosives (PETN) present beneath the mastic floor and use of iron metal tools and implements for chipping the floor during maintenance had generated spark.

14. 19.2.2010 –Vellore -Tamilnadu

Killed – Nil Injured - Nil

An explosion took place in Cubicle No.2 of Building No.D-4-05 (Detonator Plant) of M/s Tamilnadu Industrial Explosives Ltd Vellore during screening stage. None Injured and None Killed. Minor damages were reported to the building and property. The probable cause of accident is either friction or electrostatic charge.

15. 23.3.2020 at 11.00 A.M. –Maraneri village, Virudhunagar District-Tamilnadu

Killed – 1 Injured - Nil

Fire/explosion accident occurred in the white powder filling shed of fireworks factory of M/s Selvajothi Fireworks. In the accident one person was killed. The probable cause of accident may be due to frictional spark generated while filling sensitive fireworks composition in the manufacture of chorsa fireworks.

UNDER PETROLEUM RULES, 2002: -

1. 5.5.2009- Petronet CCK Pipeline (Cochin –Coimbatore Karur Pipeline)

Karumalloor village, Veliyathunadu Paravur Taluk, Aluva, Ernakulam-Kerala

Killed – Nil Injured - Nil

HSD leakage occurred on the threaded joint of stainless steel impulse tubing to the pressure transmitter at the valve station No.4b (SV 4) of Petronet CCK pipeline (Cochin-Coimbatore Karur Pipeline) Approximately 300 liters of HSD was released and collected in a low lying area near the site. The leakage was caused by the failure of the ferrule type threaded joint of a 12 mm stainless pipe tapping connecting the mainline pipe to a pressure transmitter. The leak was brought under control by manually operating the needle valve located upstream of the failed ferruled joint.

2. 19.5.2009 at Retail outlet of M/s HPCL at New BEL Road, Bangalore -

Karnataka

Killed – Nil Injured – Nil

Fire occurred in the MPD unit of M/s HPCL's retail outlet at Bangalore due to surge voltage of the lightning which was not dissipated due to discontinuation of earthing strip.

3. 05.06.2009 at ONGC Mangalore Refinery & Petrochemicals Ltd Mangalore – Karnataka

4. Killed – Nil Injured – Nil

Fire occurred in the Naphtha vapourizer (Hydrogen generating unit No.1) due to leakage of Naphtha from ruptured connection coil. Leaked Naphtha entered into heater and got back-fired.

5. **27.6.2009 at IOC retail outlet (M/s Siva Sai Filling Point) Hanumajikonda, Warangal District, Andhra Pradesh**
Killed – Nil Injured – Nil

A fire broke out in the service station of M/s IOCL at Hanumajikonda on 27.6.2009 while decanting the Motor Spirit from the tank truck to the underground tank of retail outlet. The driver of the tank truck had cut off the master control valve and took the vehicle outside retail outlet.

UNDER SMPV(U) RULES, 1981

1. **31-12-2009 Karungapaly Kollam District, Kerala State.**

Killed -12 Injured - 9

LPG tanker while carrying product from Mangalore to LPG Bottling plant of IOCL Paripally collided with a car and the driver lost control and the tanker fell on the road with roto gauge nozzle at the top. The prime mover also got detached in the process. The LPG leaked from the manifold due to the impact of collision which spread towards the nearby shops and road and caught fire. The tanker was fully gutted. Magisterial enquiry has been ordered by the district authority.

2. **24.03.2010 at M/s. Jyothi Gas Private Ltd Bangalore – Karnataka**

Killed- Nil Injured – Nil

Incident of LPG leakage occurred from the flange joint provided in between EFCV and Ball valve to the liquid outlet. LPG leaked out due to crack/deterioration of unapproved asbestos gasket provided in between the flanges. Approximately 700 Kgs of LPG leaked out.

3. **25.02.2010 at M/s Puttur Petro Products At Puttur, D.K. District**

Killed - Nil Injured – Nil

Incident of LPG leakage occurred from the drain of LPG vessel. Excess flow valve provided to the drain failed to operate to prevent the leakage. The LPG got leaked due to strain developed because of dead weight of drain pipe provided without ground support. In the incident, approximately 20 tons of LPG leaked.

SOUTH CIRCLE, CHENNAI

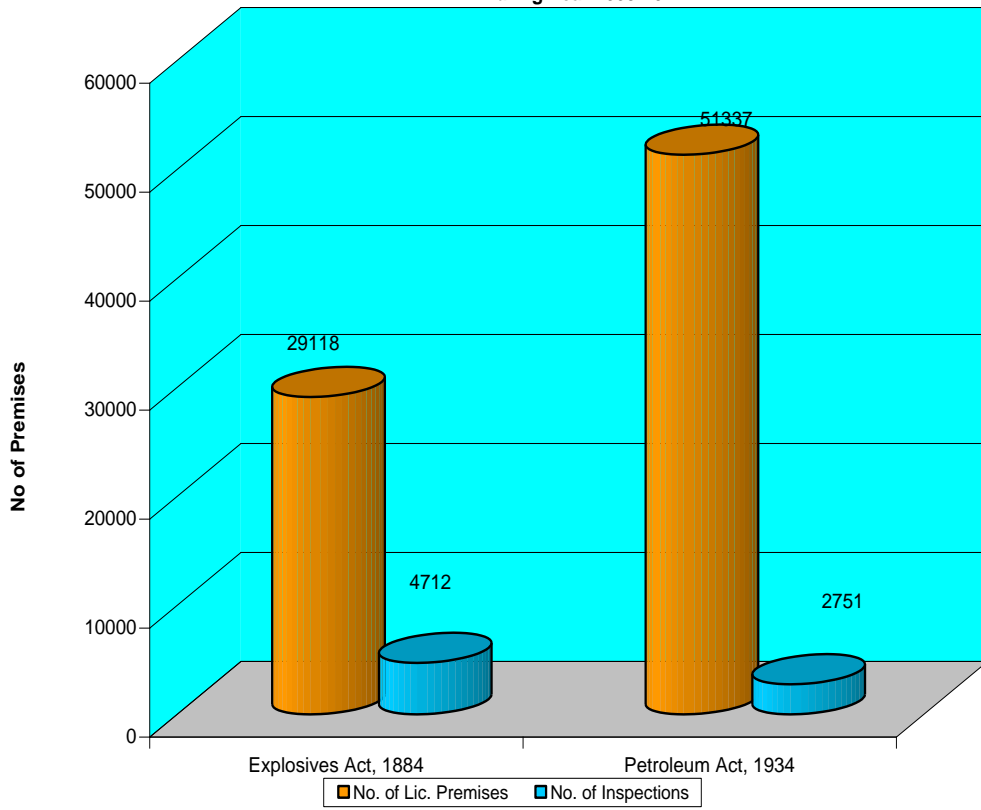
**DETAIL OF INSPECTION CARRIED OUT DURING THE YEAR 2009-2010
(A) PREMISES COVERED UNDER LICENCE**

Number of Licensed Premises & Inspection					
ACTS & RULES	As on 01.4.09	Licensed in the year 2009-10	Licence cancelle d in the year 2009-10	Total as on 31.3.10	Number of inspecti on in the year 2009-10
1. Under Explosives Act, 1884					
i. Explosive Rules, 2008					
Category 'A'	7843	602	3	8442	2256
Category 'B'	1780	123	8	1895	394
ii. Gas Cylinder Rules, 2004	6528	428	9	6947	421
iii.SMPV(U) Rules, 1981	10796	729	48	11477	634
Total [1]	26947	1846	68	28761	4705
Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	1549	263	7	1805	138
Category 'B'	47338	2033	35	49356	2607
ii. Calcium Carbide Rules, 1987	149	0	19	130	6
iii.Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	49056	2296	61	51291	2751
Total [1] + [2]	76003	4142	129	80052	7456

[B] PREMISES COVERED UNDER APPROVAL

Number of Approved Premises and Inspections					
ACTS & RULES	As on 01.4.09	Approved in the year 2009-10	Approval cancelled in the year 2009-10	Total as on 31.3.10	Number of inspections in the year 2009-10
1. Under Explosives Act,1884					
i. Explosive Rules, 2008					
Category 'A'	102	0	0	102	0
Category 'B'	0	0	0	0	0
ii. Gas Cylinder Rules, 2004	156	23	0	179	7
iii. SMPV(U) Rules, 1981	76	0	0	76	0
Total [1]	334	23	0	357	7
2. Under Petroleum Act,1934					
i. Petroleum Rules, 2002					
Category 'A'	833	13	0	46	0
Category 'B'	0	0	0	0	0
ii. Calcium Carbide Rules, 1987	36	0	36	0	0
iii. Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	833	13	0	0	0
Total [1] + [2]	1167	36	36	46	7
Grand Total [A]+[B]	77170	4178	165	80455	7463

SOUTH CIRCLE, CHENNAI
Graph Showing the Number of Licensed Premises & Number of Inspections Carried out
During Year 2009-10



ACCIDENT INVESTIGATION **WEST CIRCLE, MUMBAI**

UNDER EXPLOSIVES RULES, 2008: -

- 1) **Date : 10/04/09 - Place : Parola Distt. Jalgaon- Maharashtra**
Killed - 25 Injured - 57
An explosion occurred in a fireworks factory of M/s. Savitri Fireworks at Parola, Distt. Jalgaon on 10/04/09. During investigation, it transpired that the licensee was manufacturing fireworks during the suspension period of the licence. Large quantities of fireworks were being manufactured engaging more than 100 workers. The impact & friction of the fireworks composition containing Chlorate composition were believed to be the cause of explosion.
- 2) **Date : 19/05/09 Place : Ansurda Distt. Osmanabad- Maharashtra**
Killed : Nil Injured : Nil
An explosion occurred in the explosive magazine covered under licence No. E/WC/MH/22/444 (E 11003) of Shri Govardhan Ambadas Kute, Vill. Ansurda, Distt. Osmanabad. The magazine was completely damaged and razed to the ground. Due to lightning fall (natural phenomenon) coupled with failure of lightning conductor system, the explosion occurred in the magazine.
- 3) **Date : 20/11/09 Place : Arvi Distt. Dhule- Maharashtra**
Killed : Nil Injured : 9
A fire incident followed by explosion occurred in a residential premises. A Shot firer Permit holder stored high speed diesel in one plastic drum alongwith detonators and explosives in the same premises unauthorisedly. The Diesel caught fire due to hot immersion heater kept on the diesel drum keeping the switch on. Explosives & detonators kept alongside Diesel Drum exploded due to intense heat generated from diesel fire.
- 4) **Date : 22/11/09 Place : Asthi Distt. Wardha- Maharashtra**
Killed : Nil Injured : 1
An accident involving electric detonators within the detonater manufacturing factory of M/s. C. Det Explosive Industries Pvt. Ltd. occurred on 22/11/09 While manufacturing was going on one of the **detonators** from the bunch exploded due to its impact on the iron nut bolt thus causing sympathetic detonation of other detonators.

Petroleum Rules 2002:

- 1) **Date : 30/04/09 Place : Ghat Road, District : Nagpur- Maharashtra**
Killed : Nil Injured : Nil
A fire incident occurred at a consumer pump of M/s. M.S.R.T.C. on 30/04/09. During the refueling of a passenger bus an explosion took place in a fuel tank followed by fire. The exact cause of the accident could not be ascertained.

However, the static discharge was believed to be the cause of fire and explosion in the fuel tank of the passenger bus.

- 2) **Date ; 07/12/09** **Place : Maktampura** **District Ahmedabad-Gujrat**
Killed – Nil **Injured – Nil**

An Accident occurred in the retail outlet of M/s. Bharat Petroleum Corporation Ltd. at M/s. Mitesh Automobiles, Maktampura, Distt. Ahmedabad at about 1845 hrs on 07/12/2009 covered under licence no. P/WC/GJ/14/1572 (P 27303). The accident occurred due to ignition of MS vapour emanating from loose connection between the discharge end of faucet and hose pipe coupling. The source of ignition for the fire was from static charge developed due to non-dissipation of static charge because of the use of electrically discontinuous hose and unavailability of earthing cable.

- 3) **Date : 09/01/201** **Place : Khambhalia** **Distt : Jamnagar- Gujarat**
Killed – Nil **Injured – Nil**

An accident occurred in the retail outlet of M/s. Bharat Petroleum Corporation Ltd. situated at M/s. G.C. Petrol Pump, Khasmbhalia, Distt. Jamnagar at about 1430 hrs. on 09/01/2010 covered under licence no. P/WC/GJ/14/2621 (P 24480). Accident occurred due to ignition of MS vapour in the bucket, holding the sampling container. The source of ignition for the fire was as the results of static charge developed in the bucket and container during withdrawal of the sample form the discharge faucet. The container had not been earthed at the ground and also the operator holding the bucket was wearing non-conductive shoes. The static charge developed did not get dissipated and cause fire in available flammable gas mixture in the bucket.

UNDER GAS CYLINDERS RULES, 2004:

- 1) **Date : 09/12/09** **Place : Goregaon** **Distt. Mumbai- Maharashtra**
Killed : Nil **Injured : 3**

A goods truck having CNG cylinder as fuel tank was engulfed in fire during refueling in a CNG filling station of M/s. Indian Oil Corporation Ltd. The investigation transpired that a rupture disc of one of the cylinders gave way much below 200 bars pressure during refueling, causing extensive leakage of CNG. The leaked CNG caught fire instantly. Exact source of ignition could not be established. However the spark generated during start up of a taxi present in the premises is believed to be the source of ignition.

WEST CIRCLE, MUMBAI
DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR
2009-2010

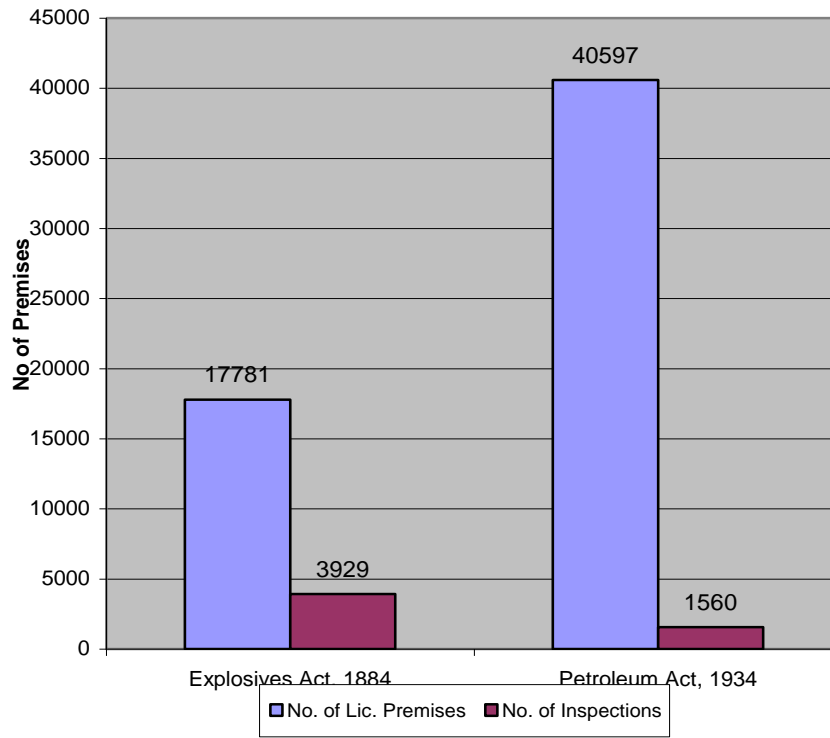
(A) PREMISES COVERED UNDER LICENCE

Number of Licensed Premises & Inspection					
ACTS & RULES	As on 01.4.09	Licensed in the year 2009-10	Licence cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act, 1884					
i. Explosive Rules, 2008					
Category 'A'	1810	101	2	1909	884
Category 'B'	4836	893	0	5729	803
ii. Gas Cylinder Rules, 2004	3559	266	0	3825	1141
iii. SMPV(U) Rules, 1981	5369	743	248	5864	1035
Total [1]	15574	2003	250	17327	3863
Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	432	12	0	444	138
Category 'B'	29274	3827	1712	31489	1393
ii. Calcium Carbide Rules, 1987	84	4	0	88	10
iii. Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	29790	3843	1712	32021	1529
Total [1] + [2]	45364	5946	1962	49348	5404

[B] PREMISES COVERED UNDER APPROVAL

Number of Approved Premises and Inspections					
ACTS & RULES	As on 01.4.09	Approved in the year 2009-10	Approval cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act, 1884					
i. Explosive Rules, 2008					
Category 'A'	16	0	0	16	6
Category 'B'	0	0	0	0	0
ii. Gas Cylinder Rules, 2004	192	18	0	210	49
iii. SMPV(U) Rules, 1981	219	9	0	228	11
Total [1]	427	27	0	454	66
2. Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	90	20	0	110	26
Category 'B'	8241	222	0	8463	5
ii. Calcium Carbide Rules, 1987	3	0	0	3	0
iii. Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	8334	242	0	8576	31
Total [1] + [2]	8761	269	0	9030	97
Grand Total [A]+[B]	54125	6215	0	58378	5501

WEST CIRCLE, MUMBAI
Graph Showing the Number of Licensed
Premises and Number of Inspections carried
out During Year 2009-10



CENTRAL CIRCLE, AGRA

ACCIDENTS:

UNDER PETROLEUM RULES, 2002: -

- 1. Date: 30/05/2009 Place: Bareilly, Distt. Bareilly Uttar Pradesh.
Killed- Nil Injured - Nil**

A fire occurred at the retail outlet of M/s. HPCL, Meerut, near fill point of MS tank just after the decantation of the product. Petroleum vapour with air present in the vicinity of the MS Fill Point caught fire by some source of ignition.

UNDER GAS CYLINDERS RULES, 2004:

- 1. Date: 17/10/2009, Place: Agra, Distt. Agra, Uttar Pradesh,
Killed- Nil , Injured - 2**

A fire accident occurred in CNG dispensing station of M/s HPCL Mathura situated at Agra-Jagner Road near Rly Crossing Agra. The CNG dispenser nozzle was connected to the CNG kit assembly of autorikshaw Regn. No. UP-80AF-9609 and as soon as the valve of filling nozzle was opened, there was sudden fire with sound.

- 2. Date: 17/11/2009, (16.20 hrs) Place: Noida, Uttar Pradesh,**
- 3. Killed- Nil, Injured - 69**

An incident of leakage of carbon mono oxide gas occurred in the assembly unit of washing machine in the premises of M/s. Samsung India Electronics, Noida. Sixty nine people were killed due to inhalation of gas.

UNDER SMPV (U) RULES, 1981

- 4. Date: 27/12/2009, Post :Raisu, Mathura, Distt. Mathura, Uttar Pradesh,**
- 1. Killed- Nil, injured- Nil**

One LPG road tanker, bearing regd. no. HR 38E 2341, caught fire due leakage of LPG during illegal filling of LPG cylinders directly from the tanker at village Raisu of Mathura District in U.P.

CENTRAL CIRCLE, AGRA

DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR 2009-2010

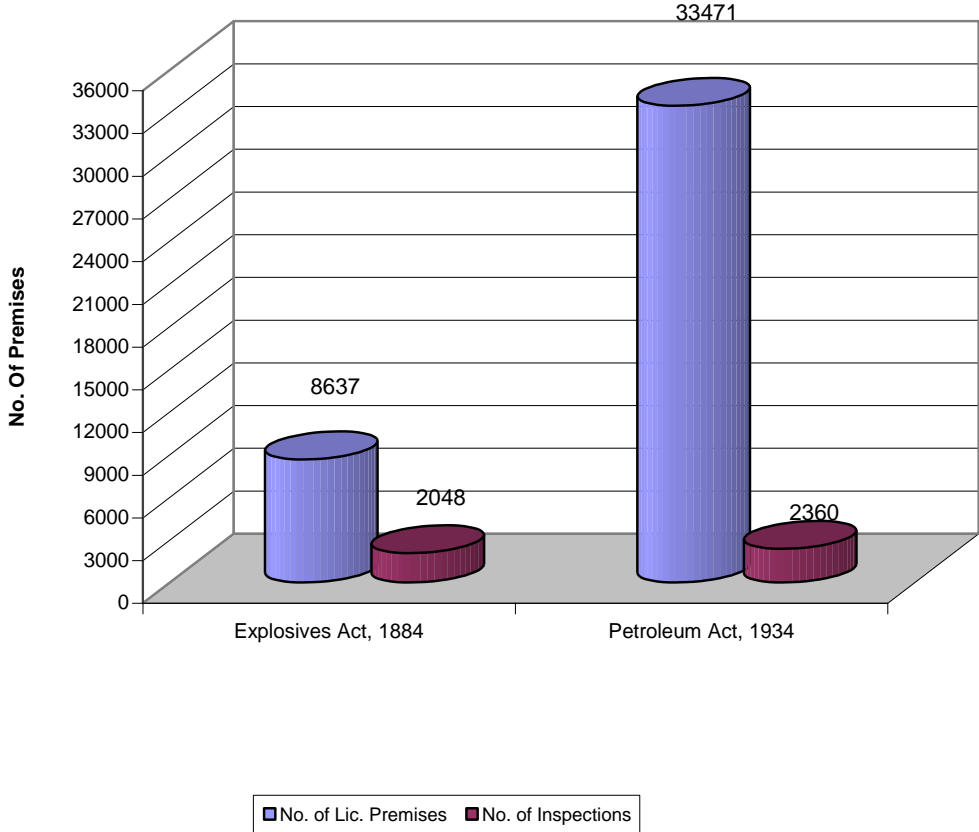
(A) PREMISES COVERED UNDER LICENCE

Number of Licensed Premises and Inspections					
ACTS & RULES	As on 01.4.09	Licensed in the year 2009-10	Licence cancelle d in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act, 1884					
i. Explosive Rules, 2008					
Category 'A'	1849	610	14	2445	366
Category 'B'	1298	14	01	1311	538
ii. Gas Cylinder Rules, 2004	3069	109	NIL	3178	816
iii. SMPV(U) Rules, 1981	1578	25	34	1569	303
Total [1]	7794	276	49	8503	2023
Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	123	NIL	NIL	123	122
Category 'B'	30357	2224	275	32306	2212
ii. Calcium Carbide Rules, 1987	27	NIL	NIL	27	14
iii. Cinematograph Film Rules, 1948	0	NIL	NIL	NIL	NIL
Total [2]	30507	2224	275	32938	2348
Total [1] + [2]	38301	2500	324	40959	4371

[B] PREMISES COVERED UNDER APPROVAL

Number of Approved Premises and Inspections					
ACTS & RULES	As on 01.4.09	Approved in the year 2009-10	Approval cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act,1884					
i. Explosive Rules, 2008					
Category 'A'	0	NIL	NIL	NIL	NIL
Category 'B'	0	NIL	NIL	NIL	NIL
ii. Gas Cylinder Rules, 2004	115	NIL	NIL	115	25
iii. SMPV(U) Rules, 1981	19	NIL	NIL	19	NIL
Total [1]	134	<i>NIL</i>	<i>NIL</i>	<i>134</i>	<i>25</i>
2.Under Petroleum Act,1934					
i. Petroleum Rules, 2002					
Category 'A'	0	NIL	NIL	NIL	NIL
Category 'B'	508	25	NIL	533	12
ii. Calcium Carbide Rules, 1987	0	NIL	NIL	NIL	NIL
iii. Cinematograph Film Rules, 1948	0	NIL	NIL	NIL	NIL
Total [2]	508	<i>25</i>	<i>NIL</i>	<i>533</i>	<i>12</i>
Total [1] + [2]	642	<i>25</i>	<i>NIL</i>	<i>667</i>	<i>37</i>
Grand Total [A]+[B]	38943	2525	324	41626	4408

CENTRAL CIRCLE, AGRA
Graph Showing the Number of Licensed Premises & Number of Inspections Carried out
During Year 2009-10



NORTH CIRCLE, FARIDABAD

ACCIDENTS

UNDER EXPLOSIVES RULES, 2008:

- 1. 12.05.2009 at Village Shreepura, Tehsil Rawatabhata, District Chittorgarh-Rajasthan**

Killed: 1 Injured: 1

An explosion occurred in PETN manufacturing building; entire PETN building turned into heap of debris & a crater was formed at the site. Cause of the accident was due to rise in temperature in nitration reactor vessel either due to accumulation of unreacted material inside the vessel or inadequate cooling of the reactor. This might have resulted in uncontrolled rise in temperature leading to runaway reaction giving no time for attendant to use the manual drenching system.

- 2. 27/03/2010 District Dholpur -Rajasthan**

Killed: None, Injured: any

A small press fire occurred of the filling/ pressing building FS-10 of the Detonator plant of M/s RECL, Dholpur. The fire with a minor explosion occurred in the press element while KBG was being pressed in the MS cap by hydraulic puncher.

UNDER PETROLEUM RULES, 2002

- 1. 25.05.2009 at Village Sindhran, Tehsil Sirhind, Fatehgarh Sahib - Punjab**

Killed – Nil Injured - Nil

A fire accident occurred in the retail outlet when two employees were sleeping by putting one pedestal fan outside the sales building. The electric lead of the fan without proper plug was loosely connected to the electric switch board located inside the office room of sales building of retail outlet. Probably due to short circuit in the loosely connected electric lead of the fan with switch board, the spark might have been generated and have ignited the flammable articles kept inside the room.

- 2. 21.09.2009 at Ajmer Road, District Jaipur - Rajasthan**

Killed: Nil, Injured: Nil

A minor fire incident occurred at around 0745 hrs on 21.09.2009 at an R/O of M/s. BPCL, at Jaipur during filling of fuel tank of a moped. The probable cause of accident is that the owner of moped suddenly started the engine while it was being re-fuelled. The moped was quite old with loose wirings exposed outside where from, probably a spark was generated and ignited petrol vapour present in the surrounding.

- 3. 09/10/2009 at retail outlet at Jalandhar - Punjab**

Killed –Nil Injured : 02.

This accident took place in the retail outlet of M/s. IOC Ltd., Jalandhar at Mehtiar, Hoshiarpur during decantation of MS product through petroleum road tanker in one of the underground tank of the retail outlet using ordinary plastic hose pipe. The earthing connections were also not made. During decantation of product from said petroleum road tanker the dip point of underground tank & emergency vent of the petroleum road

tanker was kept open. Suddenly during this operation, the fire took place either due to static charge developed or petroleum vapour caught fire from some external source.

5 29.10.2009 at Sitapura District Jaipur - Rajasthan

Killed: 11, Injured: 105

A massive explosion followed by devastating fire occurred in the IOCL POL Terminal at Sitapura, Jaipur, the total destruction of the terminal with all facilities of tank farms & all other structures inside. One operator was preparing for Pipeline transfer of MS to nearby BPCL installation and in this process MS started gushing out from 'Hammer blind Valve' in outlet line of a MS tank with full pressure. The leakage was huge and in form of a fountain falling inside and outside the dyke wall. The heavy leakage continued uncontrolled for about 75 minutes. The spilled MS formed a huge liquid pool inside and outside the dyke area. Its heavy vapourisation formed a huge vapour cloud which encountered with a source of ignition and resulted in a massive explosion followed by devastating fire which engulfed the entire terminal and adjoining pipeline division POL installation. The fire continued unabated for 11 days.

6 17/12/2009 at retail outlet Chandigarh.

Killed: Nil Injured- Nil

A vehicle after getting re-fueled in retail outlet caught fire when driver started its engine. All passengers and driver got panicky and came out of the car safely. Thereafter, it immediately went up in flames within seconds. The staff of retail outlet tried to extinguish the fire with available means and pushed the car away from facilities of retail outlet. Finally fire tenders reached the site and they took some time to douse the flames. The car was completely damaged in this accident without any damage to the facilities of the retail outlet.

7. 12/01/2010 at Mungla Ki Dhani, near Village Doral, District Ajmer - Rajasthan

Killed: Nil, Injured: 1

The tanker took a load of MS & HSD from HPCL Depot Ajmer & its driver halted on its way near his house at village Doral when it caught fire. Cause of fire is probably leakage of petrol while pilferaging the inflammable material clandestinely. The leaked petrol vapour probably got ignited due to presence of some source of ignition (smoking or fire from the kitchen of the driver house).

8. 05/02/2010 at Ajmer – Kota Road in District Bundi- Rajasthan

Killed: Nil Injured: Nil

The tanker met with a road accident. Overturned & blazed into fire. Cause of accident was ignition of Motor Spirit/Vapours which might have escaped from the pressure vacuum valve of the toppled tanker. Source of ignition probably running engine & its hot parts.

9. 12/03/2010 at Sanganeri Gate District Jaipur – Rajasthan

Killed: Nil, Injured: Nil

A fire occurred in the HPCL Petrol Pump. Fire started when a Road Tanker was decanting MS in the underground tank of the pump outfit located at the junction of three busy city roads. MS vapour generated from some leaked petrol during decanting operation, might have ignited from some source likely to be present nearby viz smoking by public passer by or mobile phone used near the tanker & caused the fire in which the

tanker got totally burnt & damaging the dispensing units, canopy & part of the kiosk of the pump outfit.

10. 24/03/2010 at Village Janeria Bathinda - Punjab

Killed -06 Injured : - 06

When the petroleum road tanker loaded with mixed load (6KL MS + 6 KL HSD) was en route to 43 Bn BSF Mamdot, District Ferozepur from M/s IOCL Depot, Bathinda, lost the control to avoid the road accident with cattle crossing the road and skid due to loose sand present on both side of the road & rolled down. In this accident, the 1st & 3rd emergency shut off valves were damaged and holes were developed in the tank. As a result the spillage of MS & HSD started from the tank of the petroleum road tanker. This resulted into the formation of dense vapor cloud, which might have been ignited from some external source of fire resulting into this accident.

UNDER SMPV(U) RULES, 1981

1. 13.04.2009 at district Ambala - Haryana

Killed: 1 Injured: 5

The accident took place when a LPG tanker was transporting 16.3MT LPG from M/s. HPCL Loni Ghaziabad to Jammu. On the way to Ambala it collided with Car due to which the excess flow valve of liquid valve damaged. As a result of which leakage started from damaged excess flow valve. Due to heavy leakage of LPG from the vessel a vapour cloud was formed around the vessel which was ignited by some external source of fire and resulted in fire/explosion accident.

2. 25.10.2009 at G.T. Road, Khond District Karnal-Haryana

Killed: 1 Injured: 5

The accident took place at outskirts of Panipat about 300m away from Khond Mor District Karnal. The LPG tanker was taken to unauthorized premises (Gatta Factory) and LPG was pilfered and filled with the help of improvised filling device into LPG cylinders by some persons. During such unauthorized filling operation the leakage originated due to detachment of hose pipe connected to EFCV and as result LPG started leaking profusely. The dense vapour cloud of LPG got encountered with a source of ignition probably from exhaust pipe of vehicle parked in vicinity meant to transport LPG cylinders.

NORTH CIRCLE, FARIDABAD

DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR 2009-10

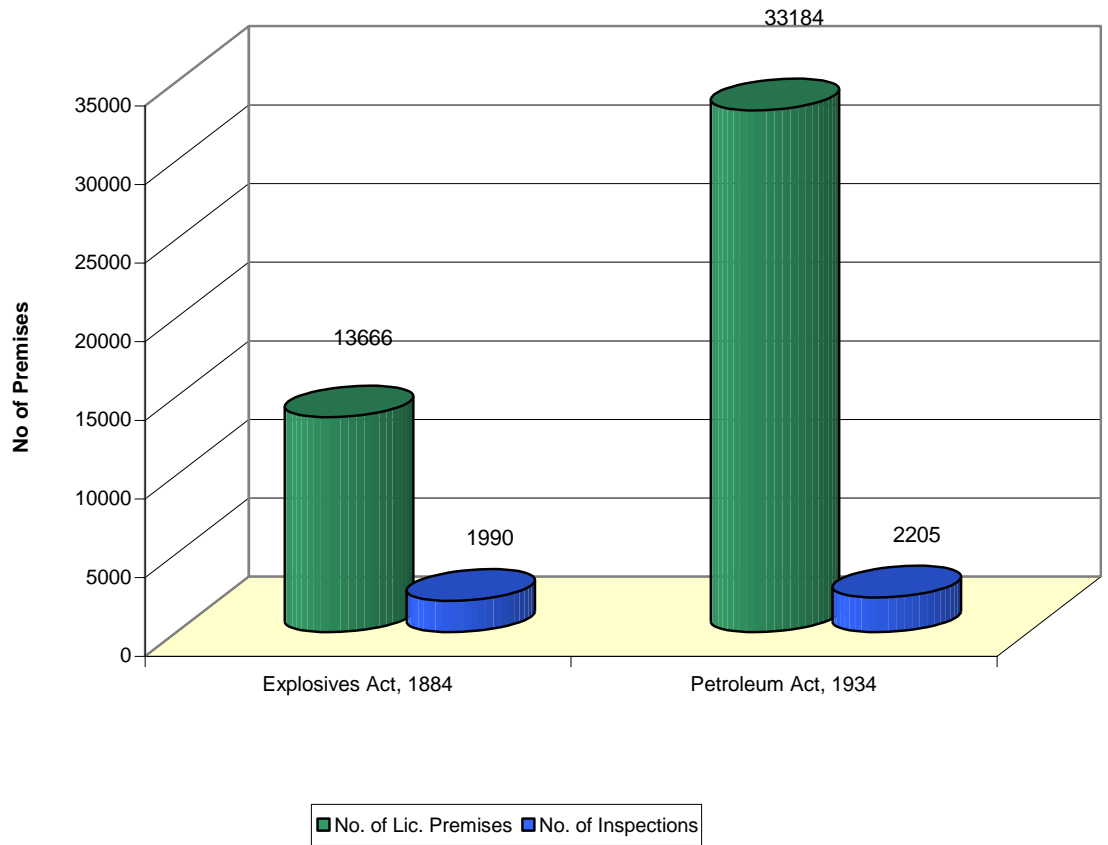
(A) PREMISES COVERED UNDER LICENCE

Number of Licensed Premises and Inspections					
ACTS & RULES	As on 01.4.09	Licensed in the year 2009-10	Licence cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act, 1884					
i. Explosive Rules, 2008					
Category 'A'	2155	49	0	2204	375
Category 'B'	482	73	4	551	403
ii. Gas Cylinder Rules, 2004	3432	168	0	3600	811
iii. SMPV(U) Rules, 1981	4607	454	0	5061	347
Total [1]	10676	744	4	11416	1936
Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	192	4	0	196	54
Category 'B'	29448	1110	177	30381	2121
ii. Calcium Carbide Rules, 1987	61	1	0	62	19
iii. Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	29701	1115	177	30639	2194
Total [1] + [2]	40377	1859	181	42055	4130

[B] PREMISES COVERED UNDER APPROVAL

Number of Approved Premises and Inspections					
ACTS & RULES	As on 01.4.09	Approved in the year 2009-10	Approval cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act,1884					
i. Explosive Rules, 2008					
Category 'A'	39	0	0	39	0
Category 'B'	2207	287	572	1922	0
ii. Gas Cylinder Rules, 2004	247	0	0	247	54
iii. SMPV(U) Rules, 1981	42	0	0	42	0
Total [1]	2535	287	572	2250	54
2. Under Petroleum Act,1934					
i. Petroleum Rules, 2002					
Category 'A'	3	0	0	3	0
Category 'B'	2452	90	0	2542	11
ii. Calcium Carbide Rules, 1987	0	0	0	0	0
iii. Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	2455	90	0	2545	11
Total [1] + [2]	4990	377	572	4795	65
Grand Total [A]+[B]	45367	2236	753	46850	4195

NORTH CIRCLE, FARIDABAD
Graph Showing the Number of Licensed Premises and Number of Inspections carried out During Year 2009-10



EAST CIRCLE, KOLKATA

ACCIDENTS:

UNDER PETROLEUM RULES, 2002:

1. Digboi Refinery M/s IOCL Ltd (AOD), Digboi Tinsukia- Assam

Killed: 2 Injured: 1

A fire accident occurred at “Delayed Coker Unit” during processing of petroleum for the production of coke and ingredients of LPG. While transferring the fractionator bottom product (Semisolid) through pipeline to coke unit by using the pump (7A) the leakage of petroleum products was noticed in the outlet of pump resulting in fire followed by explosion. The probable cause of an accident was using an inferior quality material of pipeline

2. Dated 29/08/2009 M/s IOCL Ltd (AOD), refinery Guwahati-Assam

Killed: Nil Injured: Nil

A fire accident occurred in the crude oil accumulated in the open drainage located in refinery campus. The probable cause of the accident was the welding work in progress in the above the open drainage.

3. Dated: 29/08/2009 At Derragaon, Golaghat, Assam.

Killed: Nil Injured: Nil

The fire accident occurred in the electric control panel of the service station due to electric spark. The empty oil container which was kept in the room and on the roof of the control panel room caught fire.

EAST CIRCLE, KOLKATA

DETAILS OF INSPECTION CARRIED OUT DURING THE YEAR 2009-2010

(A) PREMISES COVERED UNDER LICENCE

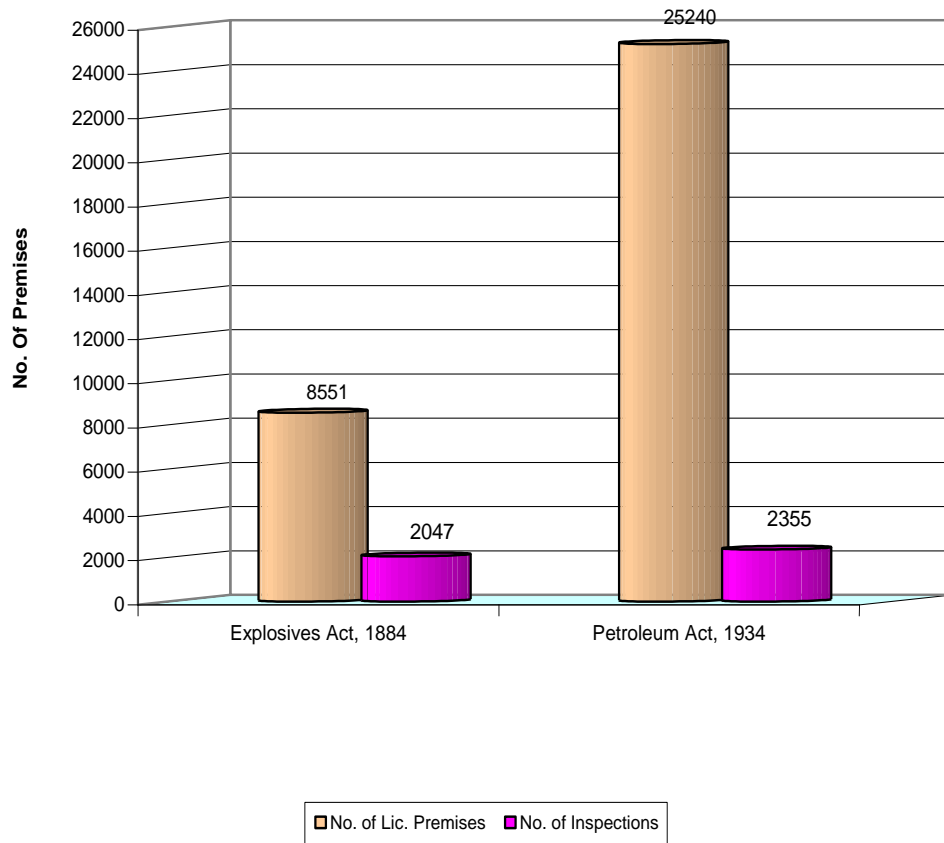
Number of Licensed Premises & Inspection					
ACTS & RULES	As on 01.4.09	Licensed in the year 2009-10	Licence cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act, 1884					
i. Explosive Rules, 2008					
Category 'A'	3636	215	1204	2647	545
Category 'B'	408	3	305	106	151
ii. Gas Cylinder Rules, 2004	2800	94	921	1973	695
iii. SMPV(U) Rules, 1981	2472	117	319	2908	646
Total [1]	9316	429	2749	7634	2037
Under Petroleum Act, 1934					
i. Petroleum Rules, 2002					
Category 'A'	48	0	0	48	48
Category 'B'	31072	1894	10078	22888	2280
ii. Calcium Carbide Rules, 1987	148	1	0	149	12
iii. Cinematograph Film Rules, 1948	02	0	0	0	0
Total [2]	31270	1895	10078	23085	2340
Total [1] + [2]	40586	2324	12827	30719	4377

[B] PREMISES COVERED UNDER APPROVAL

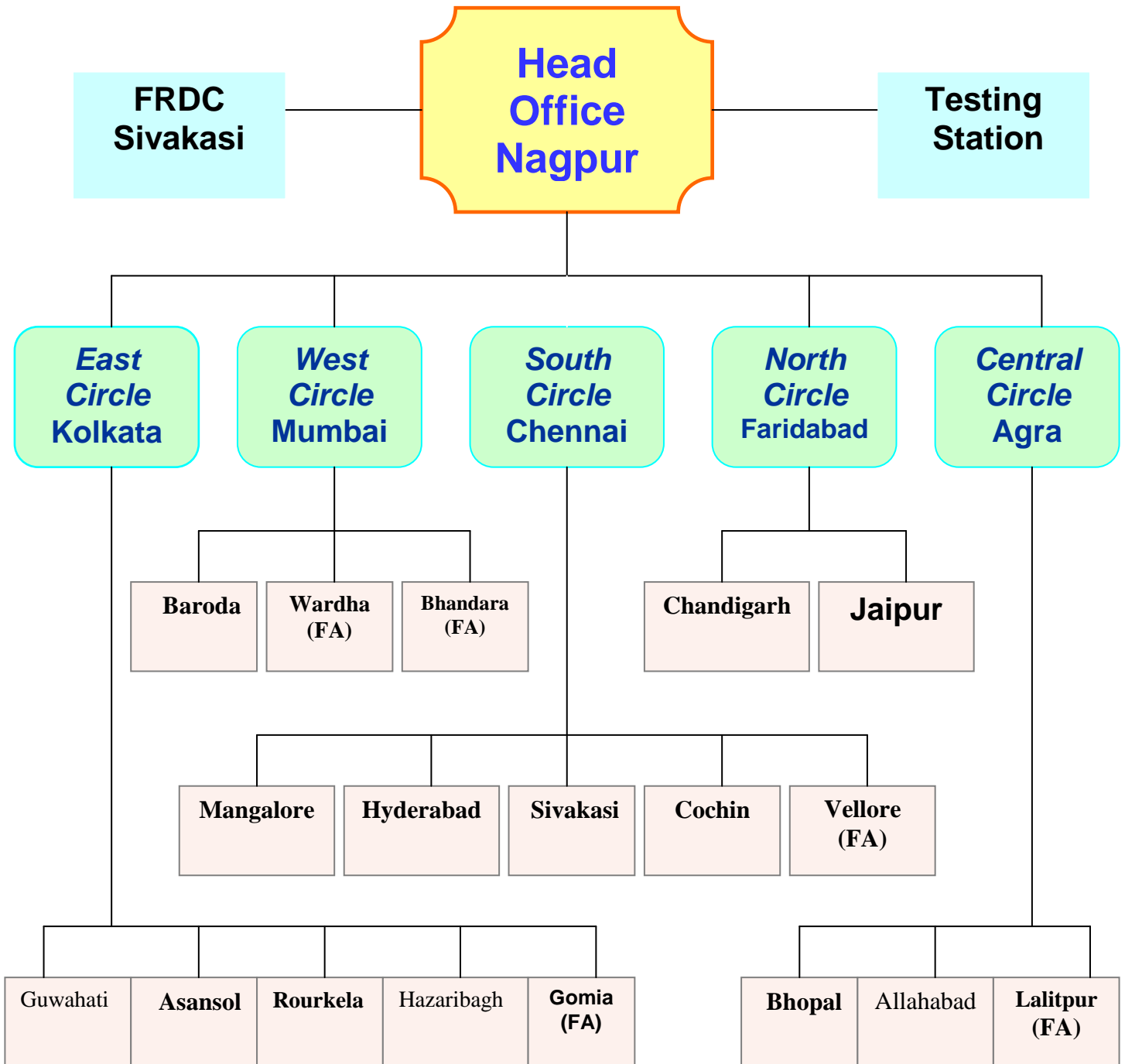
Number of Approved Premises and Inspections					
ACTS & RULES	As on 01.4.09	Approved in the year 2009-10	Approval cancelled in the year 2009-10	Total as on 31.3.10	Number of inspection in the year 2009-10
1. Under Explosives Act,1884					
i. Explosive Rules, 2008					
Category 'A'	30	0	0	30	0
Category 'B'	0	0	0	0	0
ii. Gas Cylinder Rules, 2004	468	0	0	468	10
iii. SMPV(U) Rules, 1981	419	0	0	419	0
Total [1]	917	0	0	917	10
2.Under Petroleum Act,1934					
i. Petroleum Rules, 2002					
Category 'A'	7	0	0	7	
Category 'B'	2120	28	0	2148	15
ii. Calcium Carbide Rules, 1987	0	0	0	0	0
iii.Cinematograph Film Rules, 1948	0	0	0	0	0
Total [2]	2127	28	0	2155	15
Total [1] + [2]	3044	28	0	3072	25
Grand Total [A]+[B]	43630	2352	12827	3371	4402

EAST CIRCLE, KOLKATA

Graph showing the Number of Licensed Premises and Number of Inspection carried out During Year 2009-10



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



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

Sr. No.	Name of Office/Circle/ Sub-Circle Offices	Address	Jurisdiction	Telephone/Fax Nos.
A	Head Office	E-mail : explosives@explosives.gov.in Web-site: http://peso.gov.in		
01	Nagpur	Chief Controller of Explosives, Petroleum And Explosives Safety Organization Block "A", 5 th Floor, C.G.O. Complex, Seminary Hills, Nagpur 440 006(M.S.)	Whole India	STD Code (0712) 2510103, 2510580 2510459, 2510389 2510579, 2512006 2510072, 2512091 2510139, 2512093 2512094, 2511512 EPABX No-2510248 Fax No. -2510577 Telegram:Explosives
B.	West Circle	E-mail : jtccemumbai@explosives.gov.in		
01	Navi Mumbai	Joint Chief Controller of Explosives, A-1 & A-2 Wing, 5 th Floor, C.G.O. Complex, CBD Belapur, Navi- Mumbai 400614. (M.S.)	Gujrat, Maharashtra, Goa, Daman & Diu, Dadra and Nagar Haveli.	STD Code (022) 27564941(D) 27573881 EPABX No.-27575946 Fax No.- 27575967 Telegram: INSWEST
Sub-Circle Office				
02	Baroda	Dy. Chief Controller of Explosives, 8 th Floor, Yash Kamal Building Opposite MS Unmiversity Sayajigunj, Baroda – 390020	Gujarat	STD Code (0265) 2361035, 22251594 Fax No.- 2225952 Telegram: Explosives
Factory Attached Office		E-mail: cebhn@nagpur.dot.net.in		
03	Bhandara	Controller of Explosives, Qtr. No. 16/1, Type IV, Ordnance factory Estate, Jawaharnagar, Bhandara-441906 (M.S.)	Bhandara, Gondia, Chandrapur, Gadchiroli Districts of Maharashtra	STD Code (07184) 275261 Fax No.- 275261 Telegram: Explosives
Factory Attached Office				
04	Wardha	Controller of Explosives, C/o.Geetai Nagar, Opposite Dhuniwale's Math, Nagpur Road,	Wardha, Yeotmal, Washim, Hingoli, Akola, Amravati, Nanded, Parbhani,	STD Code (07152) 230370 Fax No.- 245006

		Gopuri, Wardha 442001 (M.S.)	Buldhana Districts of Maharashtra	
C. East Circle, E-mail: jtccekkolkata@explosives.gov.in Kolkata				
01	Kolkata	The Joint Chief Controller of Explosives, 8 Explanade East, 1 st Floor, Kolkatta 700069 (W.B.)	West Bengal, Bihar, Orissa, Assam, Manipur, Tripura, Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Andaman & Nicobar Islands	STD Code (033) 22480427, 22486600, 22489524, 22130895 Fax No.-22439322 Telegram: INSEAST
Sub-Circle Office				
02	Asansol	Dy. Chief Controller of Explosives, Manmathanalaya, 93, S.B. Gorai Road, P.O. Asansol, Dist. Burdwan, 713301 (W. B.)	Districts of Burdwan, Bankura and Purulia (West Bengal) & Dhanbad (Jharkhand)	STD Code (0341) 2283834 Fax No.-2283967 Telegram: Explosives
Sub-Circle Office				
03.	Guwahati	Dy. Chief Controller of Explosives, GNB Road, Near Bhuyan Manson, 4 th Floor, Panchwati, Silpukhuri, Guwahati 781003 (Assam)	Assam, Manipur, Tripura, Nagaland, Arunachal Pradesh, Meghalaya and Mizoram	STD Code (0361) 2662783 Fax No.-2662503 Telegram: Explosives
Sub-Circle Office				
04.	Hazaribagh	Dy. Chief Controller of Explosives, Opposite Head Post Office, Zulu Park, Hazaribagh 825 301(Bihar)	Bihar and Jharkhand except Dhanbad District and ICI Factory at Gomia	STD Code (06546) 228203 Fax No.-222745 Telegram: Explosives
Sub-Circle Office				
05.	Rourkela	Dy. Chief Controller of Explosives, Sector-6, B- 274, Rourkela 769 012 (Orissa)	Orissa	STD Code (0661) 2640098, 2642395 Fax No.- 2650784 (F) Telegram: Explosives
Factory Attached Office				
06..	Gomia	Controller of Explosives, P.O. Indian Explosives, Gomia-829112 (Jharkhand)	Giridih, Koderma & Devghar	STD Code (06544) 261253 Fax No.-261253 Telegram: INSGOM
D. South Circle E-mail: jtccechennai@explosives.gov.in				
01.	Chennai	Jt. Chief Controller of	Tamilnadu,	STD Code (044)

		Explosives, No. 140, Rukhmini Laxmipati Road, Marshalls Road, Egmore, Chennai 600008 (T.N.)	Karnataka, Kerala, Andhra Pradesh, Pondichery & the Lakshdive Islands	Tel:, 28515464, 28419529, 28429945-47 Fax No.- 28514848 Telegram: Explosives
Sub-Circle Office				
02.	Ernakulam	Dy. Chief Controller of Explosives, C2, 3 rd Floor, CGO Complex, Opp. CSEZ, Kakkanad, Ernakulam, Kochi-682037 (Kerala)	Kerala and Mahe in the Union Territory of Pondichery	STD Code (0484) Tel.: 2427276, 2427296, 2427286 Fax No.2427276 Telegram: Explosives
Sub-Circle Office				
03	Mangalore	Dy. Chief Controller of Explosives, 2 nd Floor, City Centre, Opposite Hotel Roopa, Balmatta Road, Mangalore (Karnataka)	Karnataka	STD Code (0824) 2420167, 2441588 Fax No.-2423937 Telegram: Explosives
Sub-Circle Office				
04.	Sivakasi	Dy. Chief Controller of Explosives, 2/139, Sivakasi-Virudhanagar Road- 261, Thiruthangal, Dist. Kamarajar 626130 (T.N.)	Ramnathapuram, Madurai, Tirunelveli, Thanjaur, Theni Kanyakumari, Virudunagar, Tuticorin, Dindigal, Madurai, Dindigul Anna & Nagapptinam Districts of Tamil Nadu	STD Code (04562) 230453 Fax No.- 230233 Telegram: Explosives
Factory Attached Office				
05.	Vellore	Controller of Explosives, D-57, 1 st Floor, Katpadi Road, Gandhi Nagar, Vellore 632006 (TN)	Vellore, Dharmapuri, Thiruvannamalai, Salem, Brode & Coimbatore Districts of Tamil Nadu	STD (0416) 2241642 Fax No.– 2242513
Sub-Circle Office				
06.	Hyderabad	Dy. Chief Controller of Explosives, Kendriya Sadan, 1 st Floor, Sultan Bazar, Koti, Hyderabad 500195 (A.P.)	Andhra Pradesh, Yenam in the Union Territory of Pondichery	STD (040) 24600359, Fax No. 24617803 Telegram: Explosives
E.	Central Circle	E-mail: jtcceagra@explosives.gov.in		

01.	Agra	Jt. Chief Controller of Explosives, 63/4, A-Wing, 2 nd Floor, C.G.O. Complex, Sanjay Palace, Agra- 282 002 (U.P)	Uttar Pradesh and Madhya Pradesh, Uttaranchal and Chattisgarh	STD (0562) 2521322 2523244, 2523266 Fax No.- 2527436 Telegram: Explosives
Sub-Circle Office				
02.	Allahabad	Dy. Chief Controller of Explosives Sector-1, Bhawan No 66, Lajpat Rai Road, Allahabad - 211001 (U.P)	Allahabad, Ambedkarnagar, Azamgarh, Bahraich, Balarampur, Ballia, Barabanki, Basti Bhadohi, Chandauli, Deoria, Faizabad, Ghazipur, Gonda, Gorakhpur, Hardoi, Jaunpur, Kabirnagar, Kushambi, Lakhimpur, Kheri, Lucknow, Mirzapur, Mau, Mahrajganj, Pratapgarh, Shravasti, Siddharth Nagar, Sitapur, Sonebhadra, Sultanpur, Varanasi Districts of Uttar Pradesh	STD (0532) 2250329, 2441491 Fax No.- 2644964
Sub-Circle Office				
03.	Bhopal	Dy. Chief Controller of Explosives, E-8/23, Basant Kunj, Arera Colony, Bhopal -462039	Madhya Pradesh	STD (0755) 2562039, 2565176 Fax No.- 2560815 Telegram: Explosives
Factory Attached Office				
04.	Lalitpur	Controller of Explosives, 193, Elait Chouraha, Lalitpur- Road, Lalitpur (U.P.)	Lalitpur, Datia, Shivpuri, Tikamgarh, Jhansi, Jalaum, Hamirpur & Mahoba Districts of Uttar Pradesh & Madhya Pradesh	STD (05176) 274592 Fax No.-274592
F. North Circle E-mail: jtccefaridabad@explosives.gov.in				
01.	Faridabad	Jt. Chief Controller of Explosives, Hall No 502 & 507, Level-5, Block-B, Old CGO Complex, NH-4, Faridabad - 121001 (Haryana)	Delhi, Jammu & Kashmir, Himachal Pradesh, Haryana, Punjab & Rajasthan and Union Territory of Chandigarh	STD (0129) 2410730, 2410770, 2410731, 2410732, 2410734 Fax No.- 2410733

Sub-Circle Office				
02.	Chandigarh	Dy. Chief Controller of Explosives, Shop cum office building, 1134/1135, Sector 22/B, Chandigarh - 160 022	Punjab, J & K Himachal Pradesh, Chandigarh	STD (0172) 2702586, 2727234 Fax No.- 2725839
Sub-Circle Office				
03..	Jaipur	Dy. Chief Controller of Explosives, Amrapali Road, Near Power House, Vaishali Nagar, Jaipur 302004 (Raj.)	Rajasthan	STD (0141) 2356731 Fax No.- 2356781
G. Testing Station				
01.	Gondkhairy	Dy. Chief Controller of Explosives, Departmental Testing Station, 18 K.M. Stone, Amravati Road, Post Gondkhairy, Via Wadi, District:Nagpur-440023(M.S)	-	STD (07104) 280374 Fax No.- 280565
H. FRDC				
01.	Sivakasi	Fireworks Research and Development Center Anaiyoor Village, Sivakasi West, District Virudhunagar -626124	-	STD (04562) 254402
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**

Name of Post	H.O.	T.S. Gondkhairy	Chennai	Kolkata	Faridabad	Agra	Mumbai	Sub- Circle Offices	Factory Attached Offices	Total
CCE	1	0	0	0	0	0	0	0	0	1
Jt. CCE	2	0	1	1	1	1	1	0	0	7
Dy. CCE	4	1	1	1	1	1	1	13	0	23
C.E.	7	2	4	4	3	3	5	13	5	46
Dy. C.E.	0	2	4	3	3	3	4	21	5	45
A.O.	1	0	0	0	0	0	0	0	0	1
Acc.Off.	1	0	0	0	0	0	0	0	0	1
S.P.A.	1	0	0	0	0	0	0	0	0	1
H.O.	1	0	0	0	0	0	0	0	0	1
S.T.A.	0	4	0	1	0	1	0	0	0	6
O.Supt.	4	0	3	3	3	3	3	0	0	19
Steno I	4	0	2	0	1	1	1	4	0	13
Lib.Asst.	1	0	0	0	0	0	0	0	0	1
Accont.	2	0	1	1	1	0	1	0	0	6
Asstt..	10	1	2	2	2	2	2	13	0	34
U.D.C.	14	3	9	9	5	5	9	13	5	72
L.D.C.	17	5	12	7	3	6	9	16	4	79
Steno-II	4	1	3	3	1	1	2	12	0	27
Steno-III	1	0	0	0	0	1	1	7	1	11
J.T.A.	1	6	0	0	0	0	1	0	1	9
J.H.T.	0	0	0	0	0	1	1	0	0	2
Driver	1	1	2	2	2	2	2	13	0	25
Group D	10	5	7	7	2	5	6	21	3	66
Total	87	31	51	44	28	36	49	146	24	496

ANNEXURE-IV

PRODUCTION OF EXPLOSIVES DURING THE YEAR 2009-2010

Sr. No.	DESCRIPTION	PRODUCTION IN TONNES		
		2007-08	2008-09	2009-10
A.	<u>BLASTING EXPLOSIVES (in Tons.)</u>			
	Gun Powder:	624	908.7	827.489
	Nitrate Mixture:			
	Permitted small dia(SD)	25453	46732	24811.77
	Non Permitted small dia (NPSD)	56263	62385.64	100148.77
	Large dia (LD)	118312	145690.16	100654.61
	Cartridge			
	Site Mixed Bulk Explosives	334740	343018.5	374524.31
	ANFO (Manufactured and used)	24165	26310	15301.39
	Total Class 2	559557	625045	648129.72
	Nitro Compound :			
	Permitted small dia (SD)	-	-	-
	Non Permitted small dia (NPSD)	-	-	-
	Large dia (LD)	-	-	-
	Booster	800	552.06	810.04
PETN	3290	2654.43	3639.29	
Total Class 3	4090	3206.49	4449.33	
Production in Million Meters/Numbers				
B.	SAFETY FUSE	127	132	123.06
C.	DETONATING FUSE	292	334	393.63
D.	DETONATORS	589	610	697.49

IMPORT & EXPORT OF EXPLOSIVES

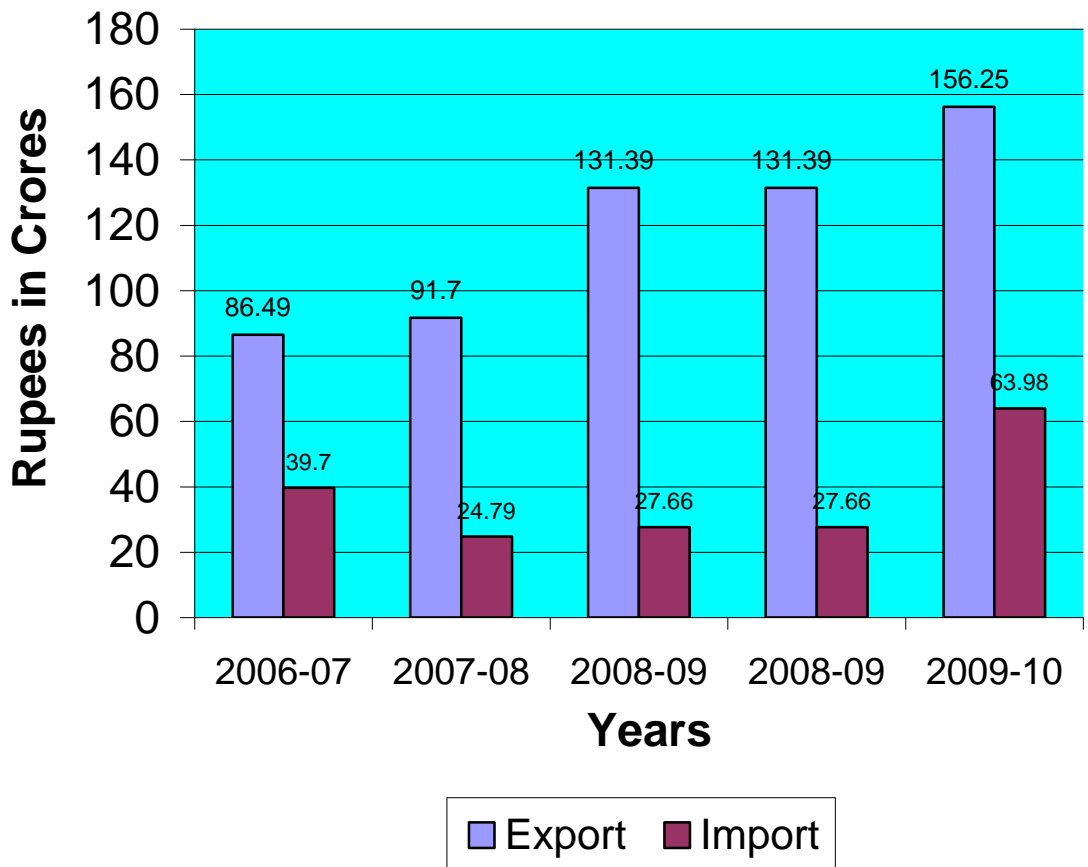
IMPORT:

During the year 2009-2010, 152 number of licenses were issued to importation of short delay detonators and specific type of explosives for use in exploration by Oil India Ltd., Cairn Energy India Ltd., BG Exploration & Production India Ltd., HLS Asia Ltd., Oil & Natural Gas Corporation Limited, Niko Resources Limited, Reliance Industries Limited, GeoEnpro Petroleum Limited, Great Eastern Energy Corporation Limited, Joshi Technologies International Inc., Schlumberger Asia Services Limited, Gujarat State Petroleum Corporation Limited, Electronics Corporation of India Limited, Indian Explosives Limited, Rajasthan Explosives & Chemicals Limited, Ideal Detonators Pvt. Ltd., Selan Exploration Technology Ltd., Focus Energy Ltd., Premier Explosives Ltd., OAO “Gasprom”, Premier Oil (North East India) BV, Essar Oil Ltd., and Marine Safety Products, A. S. Moloobhoy & Sons, SHM Shipcare for shipping signals (Pyrotechnics) and Srijan Systems Pvt. Ltd., for pyrotechnics scare cartridges (Anti Bird Devices) by use of Airports Authority of India and Air Force Stations. The value of explosives imported was Rs. 63.98 Crores.

EXPORTS:

During the year 2009-10, 317 nos. of licenses were granted for exportation of explosives and value of explosives exported was worth Rs. 156.25 Crores.

Export & Import of Explosives During Last Five Years



DESTRUCTION OF EXPLOSIVES DURING THE YEAR 2009-2010

Class-1	2926 Kgs.
Class-2	63467 Kgs.
Class-3	222 Kgs.
Class 6 Div.1	202307 Mtrs.
Class 6 Div.2	26739 Mtrs.
Class 6 Div.3	960129 Nos.
Class 7 Div.2	7739 Kgs.
PETN	500 Kgs.

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

GAS CYLINDER & VALVES :

A Comparative statement of production of Cylinders, Valves & Regulators During 2007-2008, 2008-2009 & 2009-2010 is given below.

Sr. No.	Items Manufactured	Nos. Manufactured During		
		2007-08	2008-09	2009-10
01.	Welded load Carbon steel Gas Cylinders For			
	a. LPG	59,34,826	67,43,890	1,03,82,622
	b. Dissolved Acetylene Gas	11,990	8,222	9,490
	c. Other low pressure Liquefiable Gas	4,81,604	3,80,235	5,64,803
	Total (a + b + c)	64,28,420	71,32,347	1,09,56,915
02.	Welded Large Containers for low pressure Liquefiable Gas	1,360	11,938	50,291
03.	Seamless Steel Cylinders for Permanent & high pressure Liquefiable Gas	5,85,539	5,81,171	8,59,233
04.	Valve for :			
	a. LPG Cylinders	71,41,165	1,18,29,149	2,02,38,717
	b. Other Gas Cylinders.	3,80,691	27,88,326	34,08,842
	Total (a + b)	75,21,856	1,46,17,475	2,36,47,559
05.	Low Pressure LPG Regulators.	30,84,177	30,36,446	74,90,626

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 2009-10, 701 censes were granted to cover importation of 39,313 cylinders filled with various gases/ gas mixtures & 2,11,620 numbers empty Cylinders for filling with compressed gases including empty CNG cylinders for automobiles use.

EXPORT OF CYLINDERS:

A total of 954693 number empty cylinders were exported during the year 2009-10 earning Foreign exchange of 2,52,92,42,921 Crores.

EXPORT OF VALVES & LPG REGULATORS :

A total of 5,94,347 numbers of valves & 4,66,356 numbers of LPG Regulators were exported during the year 2009-2010 earning Foreign exchange of Rs. 9,58,69,493/- & Rs.9,95,80,399/- respectively.

EXPORT OF COMPRESSED GAS FILLED IN CYLINDERS:

During the year 11,930 empty cylinders/containers were imported & re- exported duly filled with gas, earning foreign exchange equivalent to approximately 52 Crores.

GAS FILLING PLANTS:

There are 3978 gas filling plants licensed by this Organization in the country for filling of cylinders with various compressed gases as on 31.03.2010.

ANNEXURE-VIII**LIST OF MANUFACTURERS OF VALVES**

(Approved Till 31.03.2010)

Sr	Name and address of the Company	Gas Service
1.	M/s. Vanaz Engineers Pvt. Ltd., Pune	O ₂ ,N ₂ ,CO ₂ ,Argon,CNG,
2.	M/s. L.P. Gas Equipment Pvt. Ltd.,Bharuch	LPG
3.	M/s. Kosan Industries Ltd., Surat	O ₂ , N ₂ , CO ₂ , Argon,
4.	M/s. Prime Valves Industries Pvt. Ltd., Coimbatore	LPG
5.	M/s. Jagadamba Engg. Pvt. Ltd., Hyderabad	LPG
6.	M/s. Batra Associates Pvt. Ltd., Faridabad	LPG
7.	M/s. Batra Valves, Faridabad	O ₂ ,H ₂ , DA, Argon, Air, Helium, N ₂ , CNG, etc.,
8.	M/s. Bharat Valves, Faridabad.	H ₂ , DA, Butadine, Air, Ethylene, Argon, Helium, O ₂ ,
9.	M/s. Kabsons Gas Equipments Pvt. Ltd., Hyderabad	LPG
10	M/s. Esab India Ltd., P-34, Kolkata	O ₂ ,N ₂ , CO ₂ , Argon, Helium
11	M/s. Karnataka Oxygen Ltd., Bangalore	Air, Argon, Helium N ₂ , O ₂ ,
12.	M/s. Precision Forgings, Allahabad	Air, Argon, Helium, O ₂ , Neon, N ₂ , etc.,
13.	M/s. Tekno Valves, Kolkata	O ₂ , N ₂ , Air, Argon, Helium, Neon and CNG,
14	M/s. Power Fabricators., Satara	LPG
15	M/s. Ashkin Fabs., Hyderabad	LPG
16	M/s. Sri Balaji Valves, Chennai.	LPG
17	M/s. Indofab Engineers, Hyderabad	O ₂ , N ₂ , H ₂ , Air, Argon, D.A. Ammonia, Chlnorine, CO ₂ , etc.,
18	M/s. Trans Valves India Pvt. Ltd., Hyderabad.	LPG
19	M/s. Indian Steel and Allied Industries, Mumbai.	LPG
20	M/s. Hindustan Wires Ltd., Faridabad	LPG
21	M/s. Mauria Udyog Ltd., Faridabad	LPG
22	M/s. Vidarbha Gas Vessels Pvt.Ltd., Nagpur	LPG
23	M/s.Hyderabad Valves Pvt. Ltd., Hyderabad	LPG
24	M/s. Monak Industries, Mumbai	LPG
25	M/s. Prabha Electronics Ltd., Chandigarh	LPG
26	M/s. Intech Engg. And Services Pvt. Ltd., Chennai	LPG
27	M/s. Space Engineering, Chennai	LPG
28	M/s. Valve Techs Pvt. Ltd., Chittoor	O ₂ ,N ₂ ,Argon,CO ₂ , Helium,
29	M/s. Maharaja Engg.Investment (Punjab) Ltd., Chandigarh	LPG
30	M/s. Intel Gas Gadgets Pvt. Ltd., Chandigarh	Permanent Gas(IS:3224)
31	M/s. Cylinvalve Industries, Solapur	Permanent Gas (IS:3224)
32	M/s. Arihant LPG Pvt. Ltd., Secunderabad	LPG
33	M/s. Orson Holdings Co. Ltd., Kolkata	LPG
34	M/s. Carbac Holdings Ltd., Koltaka	LPG
35	M/s. Standard Casting Pvt. Ltd., New Delhi	HALON – 1211
36	M/s. Akshay LPG Valves, Dist. Ranga Reddy	LPG
37	M/s. Him Valves and Regulators Pvt.td.,Dist.Una	LPG
38	M/s. Cylin Valves Industries, Solapur	LPG

39	M/s. Intel Gas Gadgets Pvt. Ltd., Chandigarh	LPG
40	M/s. Southern Metals and Alloys Pvt. Ltd., Mumbai	LPG
41	M/s. Krishna Die Casting, Panchkula,	LPG
42	M/s. Konark Cylinders and Containers P.Ltd. Bhubaneswara	LPG
43	M/s. Rajasthan Cylinders and Containers Pvt. Ltd. Jaipur	LPG
44	M/s. Max Valves and Regulators Pvt. Ltd., Panchkula	LPG
45	M/s. Indofab Engg., District Ranga Reddy	LPG
46	M/s. Vyasurpadi Valves, Chennai	LPG
47	M/s. Chennai Valves, Chennai	LPG
48	M/s. Ezhihl Jothi Safey Enterprises, Chennai.	LPG
49	M/s.MEM Industries Pvt. Ltd., Chennai	LPG
50	M/s. Precision Component, New Delhi	LPG
51	M/s. SKN Industries Ltd., Faridabad.	LPG
52	M/s. K.S. Tecknosafe Pvt. Ltd., Kankpur	LPG
53	M/s. Faradaya Engg. Industries Pvt. Ltd., Chandigarh.	LPG
54	M/s. Neema Forge Press Pvt. Ltd., Nagpur	LPG
55	M/s. Madras Metal Components Pvt. Ltd., Chennai	LPG
56	M/s. Neco Schubert and Salzer Ltd., Nagpur.	LPG
57	M/s. Jagadamba Engg. Pvt. Ltd., Hyderabad	CO ₂ and O ₂
58	M/s. Delhi LPG Industries, Delhi	LPG
59	M/s. Salico Trading Corporation, Dist. Solan (HP)	LPG
60	M/s. Elite Valves, Gummidipoondi	LPG
61	M/s. Mega Metrics, Panchkula,	LPG 22mm and 25.6 mm
62	M/s. Koodalingam Valves Pvt. Ltd., Renigunta	LPG
63	M/s. MSB Industries, Chennai	LPG
64	M/s. AKMN Cylinders Pvt. Ltd., Musiri Tiruchirupalli	LPG
65	M/s. R. P. Gas Equipment, Kanpur-	LPG
66	M/s. Krishan Valves and Regulators, Chandigarh.	LPG
67	M/s. Radha Valves, Chandigarh	LPG
68	M/s. Mardia Industrial Corporation, Chennai.	LPG
69	M/s. Purshottam Valves Industries, Kanpur.	LPG
70	M/s. Pankaj Gas Cylinders Ltd., Dist. Ghaziabad	LPG
71	M/s. Sri Balaji Cylinders Pvt. Ltd., Chennai.	LPG
72	M/s. Srinivas Cylinders Pvt. Ltd., Chennai	LPG
73	M/s. Verny Valves Pvt. Ltd., R. R. Dist. (AP)	LPG
74	M/s. Kuldeep Engg. Works,Mumbai	CO ₂
75	M/s. Jai Gopal Engg. Works Pvt. Ltd., Delhi	CO ₂ , O ₂ , H ₂
76	M/s. Trans Valves India Pvt. Ltd., Hyderabad	Multi Function valves
77	M/s. Vanaz Engineers Ltd., Pune	Mult Function valves
78	M/s. Kosan Industries Pvt. Ltd.,Surat	CNG
79	M/s Gopal Cylinders, Solan	LPG
80	M/s Daya Cylinders, Chandigarh	LPG
81	M/s M.K. Auto Electricals India(P) Ltd,	LPG
82	M/s Primevalve Industrials Pvt Ltd, Chennai	LPG

ANNEXURE-IX

LIST OF MANUFACTURERS OF LPG CYLINDERS

(Approved during 01.04.2009 to 31.03.2010)

S.NO.	NAME & ADDRESS OF COMPANY
1.	M/s. Punjab Gas Cylinders Ltd., Village Malikpur, Ahmedgarh, Ludhiana – Melerkotla Road, Dist. Sangrur (Punjab)
2.	M/s. Southern Cylinders Private Limited. II nd Floor, Block A, Shanti Sikhara, Rajbhavan Road, Somajiguda, <u>HYDERABAD</u> – 500 082
3.	M/s. Confidence Petroleum India Limited, Bannakhera, Bailpadav Road, Village Vikrampur, <u>BAZPUR</u> – 262401, Distt. Udham Singh Nagar (Uttarakhand)
4.	M/s.Tirupati Containers Private Limited, <u>188, Loha Mandi, GHAZIABAD</u>
5.	M/s. Kanyaka Parameshwari Engineering Limited, 4-8-757, Gowliguda, <u>HYDERABAD</u> – 500 012 (A.P.)
6.	M/s. Nandi Cylinders Private Limited, Plot Nos. 52 and 53, Naubad Industrial Area, <u>BIDDAR</u> – 585 401 (Karnataka)
7.	M/s. Gopal Cylinders, Unit III, Hill Top Industrial Estate, Near Export Zone, Jharmajri, Baddi, Distt. Solan (H.P.)
8.	M/s. Confidence Petroleum India Limited (Unit II) Village Paud, Via Rasayani, Post Mazgaon, Taluka Khalapur, Dist. Raigad (M.S.)
9.	M/s Sri Sai Balaji Gas Cylinders Pvt. Ltd., 30/21, Dev Apartments, 1 st Main Road, Gandhi Nagar, Adyar, CHENNAI – 20
10.	M/s Daya Industries, S.C.F. 28, Sector – 22 D, CHANDIGARH
11.	M/s. Shri Ram Cylinders, (Unit II) Plot No. 10 M.W., Industrial Area, Phase-1, CHANDIGARH – 160 002.

LIST OF MANUFACTURERS OF CYLINDERS OTHER THAN LPG CYLINDERS

(Approved during 01.04.2009 to 31.03.2010)

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

LIST OF MANUFACTURERS OF LPG REGULATORS

(Approved during 01.04.2009 to 31.03.2010)

S. NO.	NAME & ADDRESS OF COMPANY
1.	M/s. RAGHAV DIE CASTING, L-212, Mahendra Park, Jahangir Puri, Near H-Block M.C.D. Dispensary, DELHI - 110033
2.	M/s. Amir Gas Appliances Pvt. Ltd., E-135, Udyog Purram Industrial Area, Partapur, MEERUT – (U.P.)
3.	M/s. Hi Tech Gas Equipments Co. Pvt. Ltd., 8-B, Shahpeer Gate, MEERUT – (U.P.)
4.	M/s. SK LPG APPLIANCES, K-156, Sector-2, Bawana, D.S.I.D.C. Industrial Estate, DELHI – 110 039
5.	M/s Daya Industries, S.C.F. 28, Sector – 22 D, CHANDIGARH
6.	M/s. Gopal Cylinders, Hill Top Industrial Estate, Near Export Zone, Jharmajri, Baddi, Dist. Solan (HP)

LIST OF MANUFACTURERS OF MULTI FUNCTION VALVE

(Approved during 01.04.2009 to 31.03.2010)

Sr. No.	Name and address of the Company
1.	M/s. UTX Enterprises, M-11, Gali No. 10, Anand Parbat Industrial Area, DELHI – 110 005
2.	M/s. Raajan Automobile (Pvt.) Ltd., New No.54, 2 nd Street, Kamdhar Nagar, Mahalingapuram, Nungambakkam, CHENNAI – 600 034

ANNEXURE-X**LIST OF MANUFACTURERS OF AUTO LPG CONTAINERS**

(Approved during 01.04.2009 to 31.03.2010)

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

ANNEXURE-XI**LIST OF INSPECTORS AND COMPETENT PERSONS****RECOGNISED UNDER SMPV(U), 1981****DURING 01.04.2009 TO 31.03.2010**

Sr. No.	File No.	Recognition Date	Name of Party	Inspector	Competent Person under Rules
1	PV(R) 509	08/12/2009	M/s Certification Engineers International Ltd., D-101-106, 1 st Floor, ITC, CBD Belapur Station Complex, Navi Mumbai – 400614	Inspector	12(2)
2	PV(R) 510	08/12/2009	M/s SHV Energy Pvt Ltd., "Super Gas House", IV Floor, SDE Serene Chambers, 8-2-334, Road NO 7, Banjara Hills Hyderabad – 500034	Competent Person	18 & 19

ANNEXURE – XII**DETAILS OF SMS (CLASS 2) MANUFACTURERS
DURING THE YEAR 2009-2010****LIST OF SMS (CLASS 2) MANUFACTURERS**

S. N.	Name of Company	Licence No	Situated At	CLASS-2 TONNES
1	AKS Expo-Chem Pvt. Ltd.	E/HQ/WB/SM/6(E52214)	Dujuri (v), Distt. Bankura	7866
2	AMA Industries Pvt. Ltd.	E/HQ/MH/SM/11(E52085)	Dhaga (V), Distt.Nagpur	38886
3	Aravali Explosives & Chemicals	E-25(33)1233/SMS	Raghu Talegaon, Distt. Wardha	1500
4	Bharat Explosives Ltd.	E/HQ/MP/SM/17(E52205)	Waidhan, Sidhi	8750
5	Bharat Explosives Ltd.	E/HQ/MP/SM/18(E52200)	Waidhan, Sidhi	20000
6	Black Diamond Expl. Pvt.Ltd.	E/HQ/WB/SM/2(E51723)	Napara(V) Burdwan (WB)	40000
7	Blastec (India) Pvt.Ltd.	E/HQ/CG/SM/4(E51168)	Durramudu (V), Raigad	17700
8	Blastec (India) Pvt.Ltd.	E-25(33)1062/SMS	Jhamarkotra Mines, Udaipur (Raj.)	1200
9	Blastec (India) Pvt.Ltd.	E/HQ/MP/SM/4(E51201)	Waidhan, Sidhi	18000
10	Blastec (India) Pvt.Ltd.	E/HQ/CG/SM/16(E52069)	Ratija(V), Distt. Korba	4000
11	Emul Tek Pvt. Ltd.	E/HQ/MP/SM/3(E51227)	Waidhan, Sidhi	25000
12	Gajraj Chemicals	E/HQ/MP/SM/19(E52036)	Singrauli, Sidhi	24000
13	Grasim Industries Ltd.	E/HQ/RJ/SM/4(E52324)	Nayakhera(v), Dist. Chittorgarh	500
14	Gulf Oil Corporation Ltd.	E/HQ/OR/SM/1(E51495)	Talchar, Angul	4000
15	Gulf Oil Corporation Ltd.	E/HQ/AP/SM/2(E51453)	Godavarikhani,Pannur,Karimnagar	20000
16	Gulf Oil Corporation Ltd.	E/HQ/RJ/SM/1(E51506)	Jhamarkotra, Udaipur	5000
17	Gulf Oil Corporation Ltd.	E/HQ/JH/SM/3(E51519)	Rajarappa, Hazaribagh	5000
18	Gulf Oil Corporation Ltd.	E/HQ/MP/SM/8(E51531)	Nigahi Singrauli, Sidhi	24000
19	Gulf Oil Corporation Ltd.	E/HQ/JH/SM/4(E51515)	Dhansar	8750
20	Gulf Oil Corporation Ltd.	E/HQ/JH/SM/1(E51484)	Rajmahal OCP, Dist. Godda	1875
21	Gulf Oil Corporation Ltd.	E/HQ/MH/SM/8(E51859)	Chichala, Distt. Chandrapur	4500
22	Gulf Oil Corporation Ltd.	E/HQ/CG/SM/5(E51483)	Bishrampur, Distt. Sarguja	2000
23	Gulf Oil Corporation Ltd.	E/HQ/CG/SM/7(E51474)	Hardi Bazaar, Distt. Korba	5000
24	Gulf Oil Corporation Ltd.	E/HQ/OR/SM/8(E51539)	Sonaparbat(v), Distt. Sundargarh	11250
25	Gulf Oil Corporation Ltd.	E/HQ/OR/SM/4(E51630)	Jalahuri(v), Barbil, Distt. Keonjhar	3000
26	Gulf Oil Corporation Ltd.	E/HQ/JH/SM/6(E51452)	Korta (v), Noamundi, Distt. Singhbhum	1500
27	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/OR/SM/3(E51529)	Talchar, Angul	3600
28	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/CG/SM/6(E51442)	Khamaria, Bilaspur	14375
29	IBP	E/HQ/JH/SM/2(E51407)	Kathara, Bokaro	2000
30	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/RJ/SM/3(E52056)	Rampura Agucha, Bhilwara	3500
31	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/JH/SM/13(E51899)	Nadkharuki (v), Dhanbad	16050
32	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/JH/SM/15(E52132)	Rajmahal Godda (Bihar)	3000
33	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/MP/SM/9(E51370)	Singrauli, Sidhi	30000
34	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/MP/SM/7(E51429)	Malanjhand(V), Distt. Balaghat	3000
35	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/OR/SM/13(E51352)	Balagoda (V), Distt. Keonjhar	1000
36	Indian Oil Corp. Ltd.(IBP Divn.)	E/HQ/WB/SM/1(E51341)	Bilparhari(v), Dist. Burdwan	1750
37	IDEAL Indl. Exploisves Ltd.	E/HQ/AP/SM/10(E52015)	Chityal, Nalgonda	24000
38	IDEAL Indl. Exploisves Ltd.	E/HQ/MH/SM/10(E52005)	Chandrapur	4000

39	IDEAL Indl. Explosives Ltd.	E/HQ/MP/SM/20(E52156)	Waidhan, Sidhi	27500
40	IDEAL Indl. Explosives Ltd.	E/HQ/CG/SM/14(E52012)	Hardibazar(v), Distt. Korba	15000
41	IDEAL Indl. Explosives Ltd.	E/HQ/OR/SM/9(E52010)	Katarbaga(v), Distt. Sambalpur	15000
42	Indian Explosives Ltd.	E/HQ/OR/SM/6(E51681)	IB Valley, Jharsuguda	4650
43	Indian Explosives Ltd.	E/HQ/WB/SM/3(E51690)	Sonepur, Distt. Burdwan	5500
44	Indian Explosives Ltd.	E/HQ/CG/SM/10(E51667)	Korba, Bilaspur	13660
45	Indian Explosives Ltd.	E/HQ/MH/SM/7(E51645)	Chandrapur	10000
46	Indian Explosives Ltd.	E/HQ/OR/SM/7(E51654)	Talchar, Angul	8961
47	Indian Explosives Ltd.	E/HQ/MP/SM/13(E51863)	Itwa (v), Dist. Singrauli	25000
48	Indian Explosives Ltd.	E/HQ/JH/SM/9(E51732)	Dakra, Dist. Ranchi	8292
49	Indian Explosives Ltd.	E/HQ/AP/SM/5(E51637)	Musthyala, Karimnagar	6000
50	Indian Explosives Ltd.	E/HQ/AP/SM/7(E51850)	Samithisingaram(V), Kammam	1000
51	Indian Explosives Ltd.	E/HQ/JH/SM/8(E51664)	Mukunda, Distt. Dhanbad	7000
52	Indian Explosives Ltd.	E/HQ/JH/SM/12(E51643)	Gomia, Distt. Bokaro	2200
53	Indian Explosives Ltd.	E/HQ/WB/SM/4(E51951)	Churulia (V), Distt. Burdwan	3000
54	Indian Explosives Ltd.	E/HQ/CG/SM/13(E51994)	Kirandul (V), Distt. Dantewara	1500
55	Indian Explosives Ltd.	E/HQ/CG/SM/11(E51884)	Libra (V), Distt. Raigarh	8500
56	Indian Explosives Ltd.	E/HQ/JH/SM/11(E51651)	Barughutu, Dist. Ramgarh	7500
57	Keltech Energies Ltd.	E/HQ/MH/SM/4(E51258)	Chandrapur	9000
58	Keltech Energies Ltd.	E/HQ/MP/SM/5(E51288)	Jamudi, Shahdol (MP)	10000
59	Keltech Energies Ltd.	E/HQ/MP/SM/2(E51247)	Waidhan, Sidhi	20000
60	Keltech Energies Ltd.	E/HQ/KA/SM/1(E51236)	Varanga, Distt. Udupi	2200
61	Keltech Energies Ltd.	E/HQ/AP/SM/9(E52017)	Manuguru, Khammam	6000
62	Keltech Energies Ltd.	E/HQ/CG/SM/1(E51222)	Hardi Bazar, Korba	5000
63	Keltech Energies Ltd.	E/HQ/AP/SM/3(E51672)	Musthyala, Karimnagar	5000
64	Keltech Energies Ltd.	E/HQ/CG/SM/2(E51213)	Bacheli, Distt. Dantewada	5000
65	Kesoram Cement	E/HQ/AP/SM/14(E52320)	Basantnagar(v), Distt. Karimnagar	500
66	NALCO	E/HQ/OR/SM/12(E52384)	Damanjodi, Karuput	600
67	Navbharat Explosives Pvt. Ltd.	E/HQ/CG/SM/12(E51963)	Gopalpur, Raipur	8000
68	Navbharat Explosives Pvt. Ltd.	E/HQ/CG/SM/15(E51978)	Hardi Bazar, Korba	5000
69	Navbharat Explosives Pvt. Ltd.	E/HQ/MP/SM/14(E51970)	Deohra, Distt. Shehdol (MP)	5000
70	Navbharat Fuse Pvt. Ltd.	E/HQ/MP/SM/16(E52174)	Waidhan, Sidhi	30000
71	Navbharat Fuse Pvt. Ltd.	E/HQ/CG/SM/21(E52370)	Urla (V), Raipur	3000
72	Navbharat Fuse Pvt. Ltd.	E/HQ/CG/SM/17(E52165)	Akash Nagar (V), Distt. Dantewada	5000
73	Navbharat Fuse Pvt. Ltd.	E/HQ/OR/SM/10(E52163)	Talchar, Angul	6000
74	Orient Expl. Pvt. Ltd.	E/HQ/MH/SM/2(E51164)	Bazargaon, Distt. Nagpur	22500
75	Orient Expl. Pvt. Ltd.	E/HQ/MP/SM/1(E51361)	Waidhan, Sidhi	18000
76	Orissa Expl. Pvt. Ltd.	E/HQ/OR/SM/11(E52256)	Singhori, Sundargarh	6000
77	Prasad Explosives Pvt. Ltd.	E/HQ/JH/SM/14(E52046)	Pendra (V), Distt. Ranchi	22680
78	Premier Explosives Ltd.	E/HQ/MP/SM/10(E51578)	Waidhan, Sidhi	10000
79	Premier Explosives Ltd.	E/HQ/AP/SM/8(E51808)	Manuguru, Khammam	9000
80	Premier Explosives Ltd.	E/HQ/MH/SM/9(E51976)	Chandrapur	3000
81	Premier Explosives Ltd.	E/HQ/TN/SM/4(E51573)	Keelpathi (v), Dist. Cuddalore	3000
82	Premier Explosives Ltd.	E/HQ/AP/SM/6(E51781)	Musthyala, Karimnagar	3000
83	Rajasthan Expl. & Chemical Ltd	E/HQ/MP/SM/6(E51172)	Waidhan, Sidhi	25000
84	Salvo Explosives & Chemicals Pvt. Ltd.	E/HQ/AP/SM/11(E52040)	Ankireddy Palli(v), Renga Reddy	13200

	Shree Cement Ltd.	E-25(33)1296/ANFO/1	Rs (v), Dist. Pali (Raj)	2400
85	Solar Industries India Ltd.	E/HQ/MP/SM/11(E51559)	Waidhan, Sidhi	7200
86	Solar Industries India Ltd.	E/HQ/MH/SM/6(E51616)	Rajura, Chandrapur	25000
87	Solar Industries India Ltd.	E/HQ/CG/SM/20(E51589)	Mudapar(V), Distt. Korba	20000
88	Solar Industries India Ltd.	E/HQ/OR/SM/2(E51538)	Jharsuguda(V), Distt. Jharsuguda	12000
89	Solar Industries India Ltd.	E/HQ/JH/SM/5(E51553)	Manua (V), Distt. Hazaribagh	24420
90	Solar Industries India Ltd.	E/HQ/AP/SM/4(E51561)	Musthyala, Karimnagar	19000
91	Solar Industries India Ltd.	E/HQ/MH/SM/5(E51569)	Tadali (V), Distt. Chandrapur	2190
92	Solar Industries India Ltd.	E/HQ/JH/SM/7(E51543)	Dhanbad(V), Distt. Dhanbad	10000
93	Solar Industries India Ltd.	E/HQ/WB/SM/5(E51694)	Asansol (V), Distt. Burdwan	8340
94	Solar Industries India Ltd.	E/HQ/OR/SM/5(E51535)	Ghontapada(v), Dist. Angul	10000
95	Solar Industries India Ltd.	E/HQ/RJ/SM/2(E51619)	Rupahli(v), Distt. Bhilwara	21120
96	Solar Industries India Ltd.	E/HQ/CG/SM/8(E51596)	Chainpur(v), Distt. Korba	3000
97	Solar Industries India Ltd.	E/HQ/JH/SM/10(E51537)	Barughuttu(v), Dist. Ramgarh	10000
98	Solar Explosives Ltd. Nagpur	E/HQ/MP/SM/12(E51986)	Ganiyari (v), Dist. Singrauli	2160
99	Special Blasts Ltd.	E/HQ/CG/SM/3(E51448)	Pirda, Distt. Durg	17400
100	Special Blasts Ltd.	E/HQ/MP/SM/15(E51940)	Waidhan, Sidhi	23400
101	Special Blasts Ltd.	E/HQ/CG/SM/19(E51336)	Gevra/Hardi Bazar, Korba	10000
102	Sri Krishna Explosives & Accessproes Co.	E/HQ/CG/SM/9(E51706)	Saraisingar(v), Distt. Korba	17100
103	Sua Expl. & Accessories P.Ltd.	E/HQ/MH/SM/3(E51198)	Kelzar, Distt. Wardha	9000
104	Sua Expl. & Accessories P.Ltd.	E/HQ/TN/SM/3(E51207)	Chennthur(V), Krishnagiri	10000
105	Tamil Nadu Industrial Expl.Ltd	E/HQ/TN/SM/2(E51218)	Vandhanthalgai, Vellore	1500
106	Techno Blast India Pvt. Ltd.	E/HQ/MH/SM/1(E50722)	Chichala, Chandrapur	15000
107	The Singareni Collieries Co. Ltd.	E/HQ/AP/SM/12(E52147)	Jalapalli(v), Dist. Karimnagar	10000
108	The Singareni Collieries Co. Ltd.	E/HQ/AP/SM/13(E52144)	Manuguru (V), Khammam	5000
109	Vetrivel Explosives Pvt. Ltd.	E/HQ/TN/SM/1(E51215)	T.Murugapatty(V) Trichy	6000
110	Regenesi Industries Pvt. Ltd.	E/HQ/AP/SM/1(E51313)	Bommalararam(V) Nalgonda	20000
				1161725

TESTING OF PETROLEUM VESSELS IN 2009-2010

The Officers of the Organization issued **3033** gas free certificates during the year 2009-2010 after testing oil tanks pump rooms etc. of petroleum tankers/vessels at Mumbai, Alang (Gujarat), Kolkata, Visakhapatnam, Mangalore, Chennai and Cochin ports.

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

COURT ATTENDANCE:

During the year 2009-10, officers of the Organization attended law courts on **167** occasions for tendering expert technical evidence in cases of prosecution under various sections of the Explosives Act 1884 and the Explosives Substance Act 1908.

WORKING OF REFINERY FOR THE PERIOD OF 01.04.2009 to 31.03.2010

Sr No	Name of Refinery	Crude Oil Processed/ Produced	Installed capacity	LPG Produced	LPG Marketed	No. of Accident	EXPORT	
							Quantity MT	Value (Crores)
		MT	MT	MT	MT			
1.	IOCL, Digboi	6,00,460	6,50,000	8,108	8,108	3	Nil	Nil
2.	IOCL, Panipat	1,36,13,361	1,20,00,000	4,99,679	4,99,679	Nil	Nil	Nil
3.	IOCL, Bongaigaon	22,20,000	23,50,000	45,181	44,744	Nil	Nil	Nil
4.	IOCL, Barauni	61,84,183	60,00,000	2,93,307	2,93,563	1	95,475.69	1072
5.	IOCL, Haldia	5685669	60,00,000	146437	145967	1	141000	Nil
6	IOCL, Vadodara	1,32,11,087	1,37,00,000	3,48,730	3,50,729	1	Nil	Nil
7	M/s. IOCL, Mathura	81,07,331	80,00,000	2,98,729	2,98,646	Nil	Nil	Nil
	IOCL, Guwahati	1077605	10,00,000	42037	42359	Nil	Nil	Nil
9	HPCL, Mumbai	6,33,00,000	6,50,00,000	22,71,000	22,71,000	Nil	Nil	Nil
10	HPCL, Visakh	7479921	75,00,000	310087	310087	1	1377397	3634.36
11	BPCL, Mumbai	1,25,00,000	1,20,00,000	4,50,000	4,50,000	Nil	Nil	Nil
12	Kochi Refinery	7890835	95,00,000	420042	421032	Nil	791890	2108.94
13	Chennai Petroleum Corpn. Ltd., Manali,CBR	85,10,500	95,00,000	3,47,000	3,47,000	12	7,89,000	1948.82
14	Numaligarh Refinery Ltd., Assam	26,19,082	30,00,000	57,009	57009	Nil	-	-
15	Reliance Industries Ltd., (DTA)Jamnagar	31390000	3,30,00,000	2152000	2152000	Nil	11483000	31844
16	Reliance Industries Ltd., (SEZ)Jamnagar	29555000	29000000	1577000	1577000		23480000	67088
17	Mangalore Refinery & Petrochemicals Ltd.	12,49,700	11,82,000	27,000	27,200	1	4,31,500	
18	Essar Oil Limited, Vadinar	12151006	10500000	547468	551528		3543566	8751
	Total	227345740	237382000	9840814	9847651	20	5454828.69	116447.12

Total installed capacity =237.4 MMT Total Crude oil processed =227.4 MMT