



मानक सन्दर्भ नोट - 2013

STANDARD REFERENCE NOTE -2013



कारखाना सलाह सेवा और श्रम संस्थान महानिदेशालय
Directorate General Factory Advice Service & Labour Institutes
श्रम एवं रोज़गार मंत्रालय, भारत सरकार
Ministry of Labour & Employment, Government of India
व्यावसायिक सुरक्षा और स्वास्थ्य भवन, एन. एस. मंकीकर मार्ग, सायन मुम्बई 400022
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PREFACE

DGFASLI is the technical arm of the Ministry of Labour and Employment in matters related to Occupational Safety and Health in Factories, Ports and Docks. The organisation assists the Central Government in formulating policies in the administration of the Factories Act, 1948, enforcing the Dock Workers (Safety, Health and Welfare) Act, 1986 and liaising with State Governments, Union Territories, Port authorities and Industries for effective implementation of these statutes.

The Standard Reference Note 2013 provides comprehensive information on the objectives, functions, important activities and budget of the organisation. It contains details of studies/surveys, audits, support services, training programmes, promotional and other activities carried out by DGFASLI in its effort to prevent accidents and occupational diseases in Factories, Ports and Docks. This Standard Reference Note also contains information on targets and achievement of the Plan schemes.

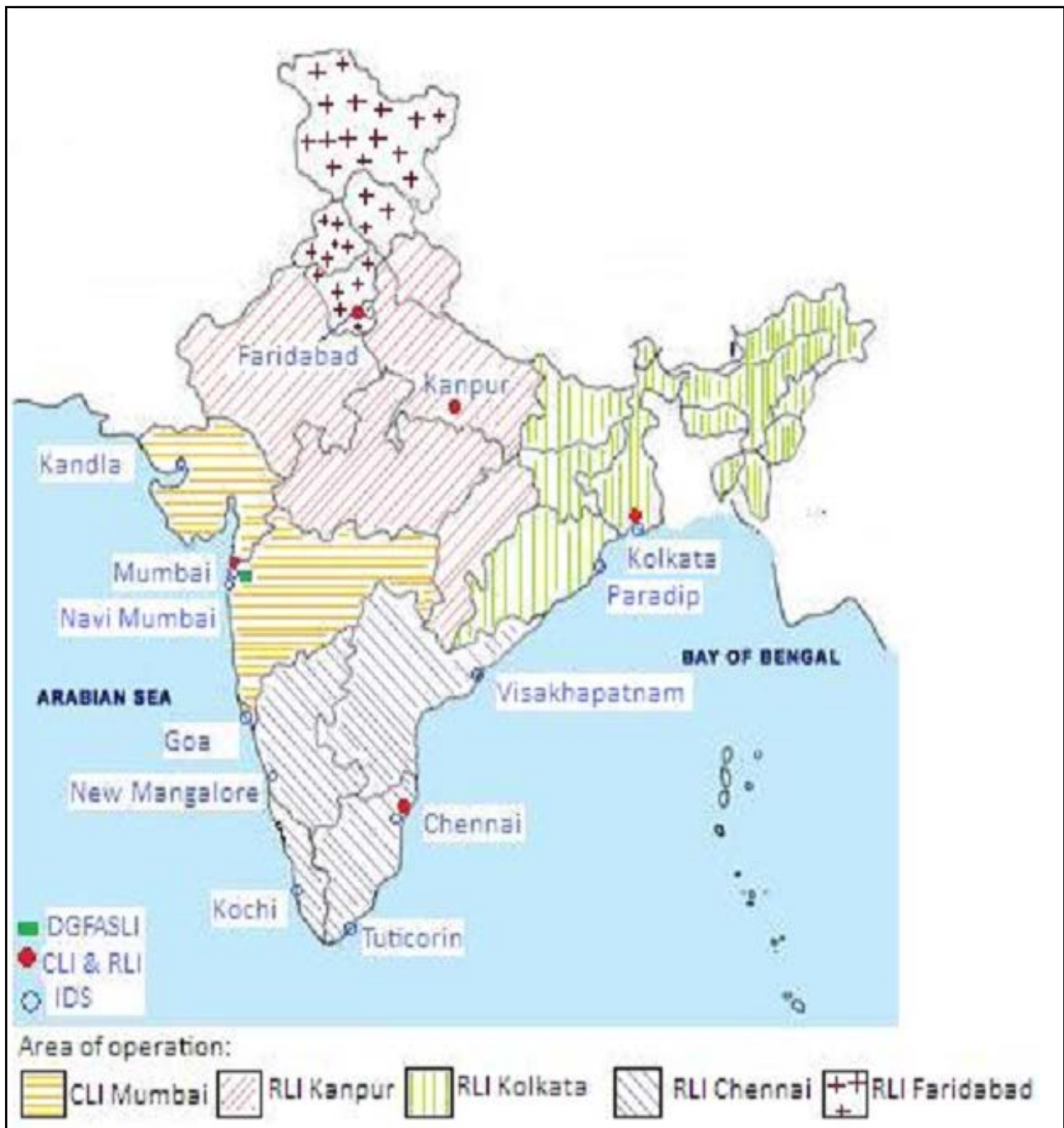
In addition to presenting the information on industrial injuries collected and analysed by Labour Bureau, this Standard Reference Note further contains the state-wise information relating to occupational safety and health in factories based on the information collected by DGFASLI from the Chief Inspectors of Factories. It also contains information on Safety and Health matters such as industrial injuries, safety inspection, investigation etc. in respect of 11 major ports. This compilation of data and its analysis reflects the trends, causes and areas of concern for preventing accidents and improving working environment in factories and ports.

Mumbai
November, 2014



(S. B. Mathur)
Director General

Location Map of DGFASLI Offices



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1

General Information

1.1 DGFASLI- A Brief Introduction

The Directorate General of Factory Advice Service & Labour Institutes (DGFASLI), formerly known as Chief Adviser of Factories, was set up in 1945 in Delhi, with the objective of advising the Central and State Governments on administration of the Factories Act, and liaising with factories inspection services in the States. The office was subsequently shifted to Mumbai in 1966.

DGFASLI achieved significant importance as an attached office of the Ministry of Labour and Employment, Government of India serving as a technical arm to assist the Ministry in formulation of National policies on Occupational Safety and Health in Factories and Docks.

The Dock Workers (Safety, Health and Welfare) Act 1986 and the Regulations 1990 provide Safety, Health and Welfare of dock workers. These are enforced by DGFASLI through the Inspectorates of Dock Safety set up in all the major ports in India.

1.2 Functions of DGFASLI

- Rendering advice and carrying out support activities for the administration of the Factories Act, 1948 and the Dock Workers (Safety, Health and Welfare) Act, 1986.
- Co-ordinating technical and legal activities to facilitate uniform standards of enforcement of safety and health in manufacturing and port sectors.
- Administration of the Dock Workers (Safety, Health & Welfare) Act, 1986 and Regulations framed there under and enforcing these in the major ports of the country.
- Educating and training employers and employees on matters relating to safety and health.
- Conducting promotional activities by operating schemes for (i) recognition of good suggestions under Vishwakarma Rashtriya Puraskar (ii) worker's outstanding contribution in organizations, under Prime Minister's Shram Awards; and (iii) safety performance under National Safety Awards (on behalf of the Ministry).
- Co-operating with International agencies like ILO, WHO, UNDP and advising Central Government in the adoption of international standards concerning safety and health.
- Training of foreign nationals and rendering expert advice to the developing countries.
- Building Competence of enforcement agencies.
- Issuing approval to flameproof electrical enclosures.
- Collecting and disseminating information and material relating to safety and health.

1.3 Organization Structure of DGFASLI

DGFASLI organization comprises of the Headquarters, Central Labour Institute, 4 Regional Labour Institutes and 11 Inspectorates of Dock Safety.

- Headquarters situated in Mumbai
- Central Labour Institute situated in Mumbai
- Regional Labour Institutes at Kolkata, Chennai, Kanpur and Faridabad
- Inspectorates of Dock Safety at Mumbai, Kolkata, Chennai, Kandla, Mormugao, Tuticorin, New Mangalore, Cochin, Visakhapatnam, Paradip and Jawaharlal Nehru Port. The Inspectorate of Dock Safety at Ennore is being setup.

In 1959, the Central Labour Institute, Mumbai was established under UNDP Project as a socio-economic laboratory and as a national institute dealing with scientific study of human aspects of industrial development. Subsequently, Regional Labour Institutes (RLIs) were established at Kolkata, Kanpur, Chennai and Faridabad to serve as Regional Centres. The detailed organisation structure is given in **Appendix I** and the contact addresses of Regional Labour Institutes (RLIs) and Inspectorate Dock Safety (IDSs) are shown in **Appendix II**.

The Central Labour Institute and Regional Labour Institutes are fully equipped with necessary laboratory facilities for conducting studies and surveys in the field of safety and health. The Institutes are also having conference facilities fully supported with modern audio-visual equipment. Industrial Safety, Health and Welfare Centres are also established at these Labour Institutes. Training Centres and Safety Exhibition Centres are also established in some of the inspectorates of dock safety.

1.4 Human Resource

The human-resource in the organisation comprises of Engineers, Medical Doctors, Industrial Hygienists, Industrial Physiologists, Industrial Psychologists, Statisticians, Audio-Visual Experts, and Artists etc. The manpower strength of the organisation is given in Table 1.1 & 1.2.

Table 1.1- Manpower strength of DGFASLI organisation as on 1.1.2014

Units	Technical		Administrative		Total	
	Sanctioned	In Position	Sanctioned	In Position	Sanctioned	In Position
Headquarters	11	8	46	39	57	47
CLI Mumbai	49	39	69	49	118	88
4 RLI's	61	49	80	42	141	91
11 IDSs	28	19	28	19	56	38
Total	149	115	223	149	372	264

Table 1.2- Group wise Manpower strength of DGFASLI organisation as on 1.1.2014

Group	Sanctioned	In Position
Group 'A'	90	62
Group 'B'	81	48
Group 'C' + MTS	91+110	72+82
Total	372	264

Chart 1.1: Manpower strength of DGFASLI Headquarters as on 1.1.2014

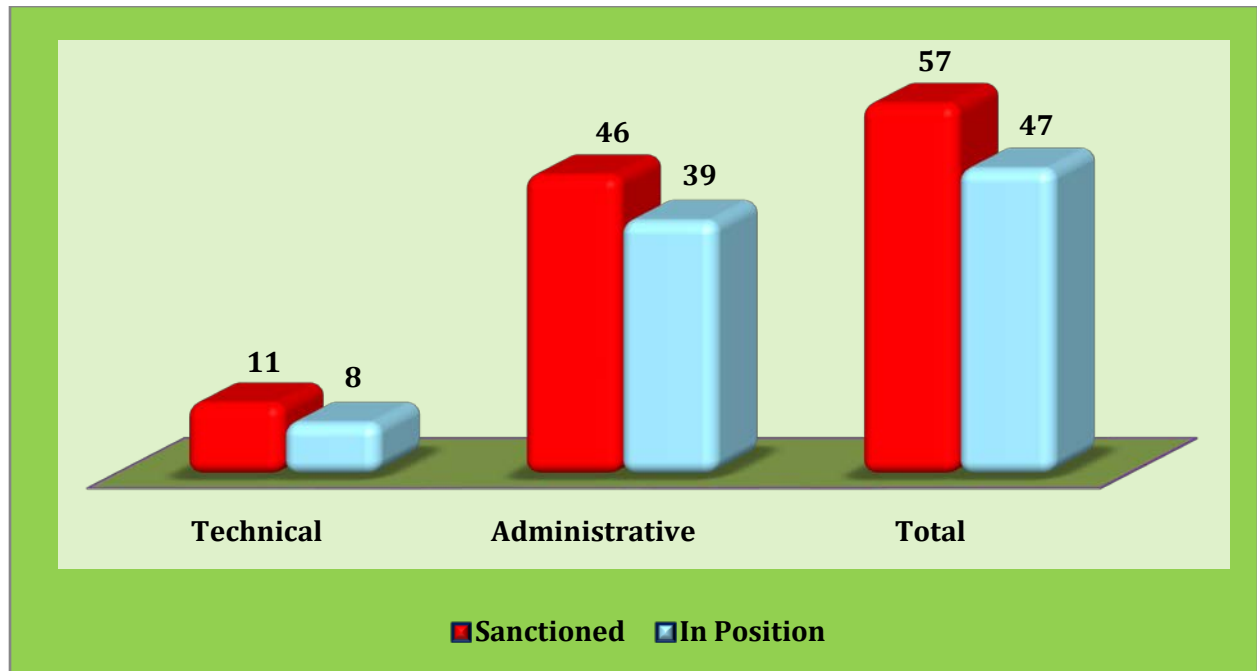


Chart 1.2: Manpower strength of CLI, Mumbai as on 1.1.2014

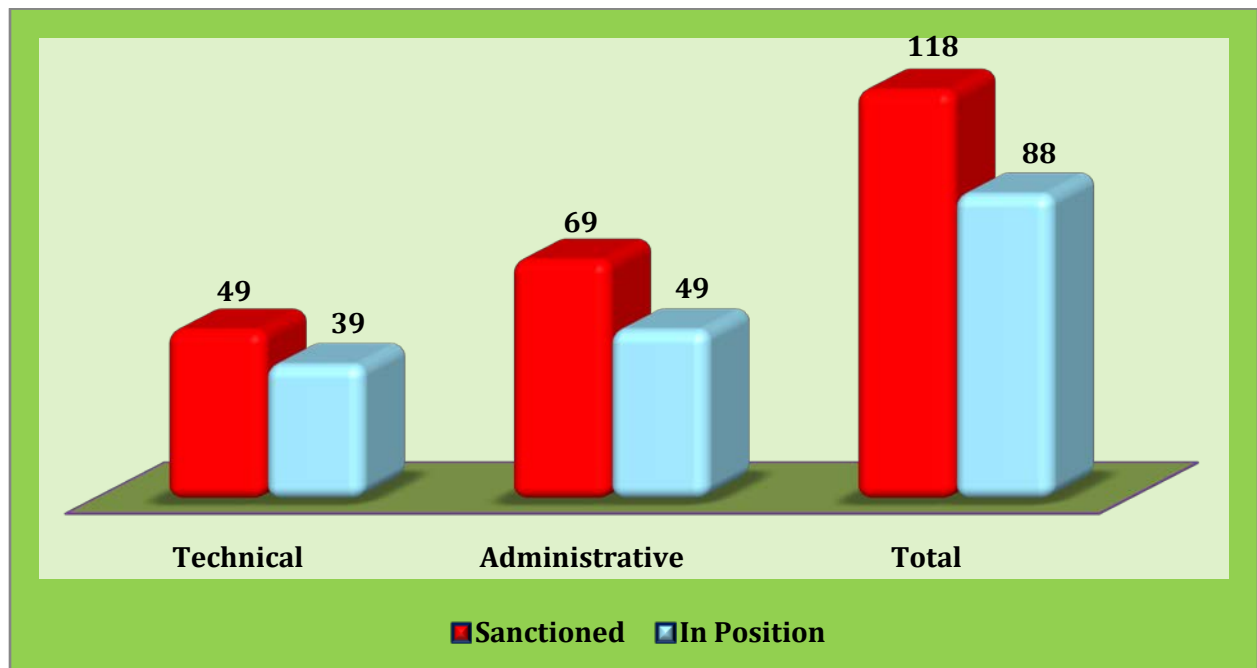


Chart 1.3: Manpower strength of the 4 RLIs as on 1.1.2014

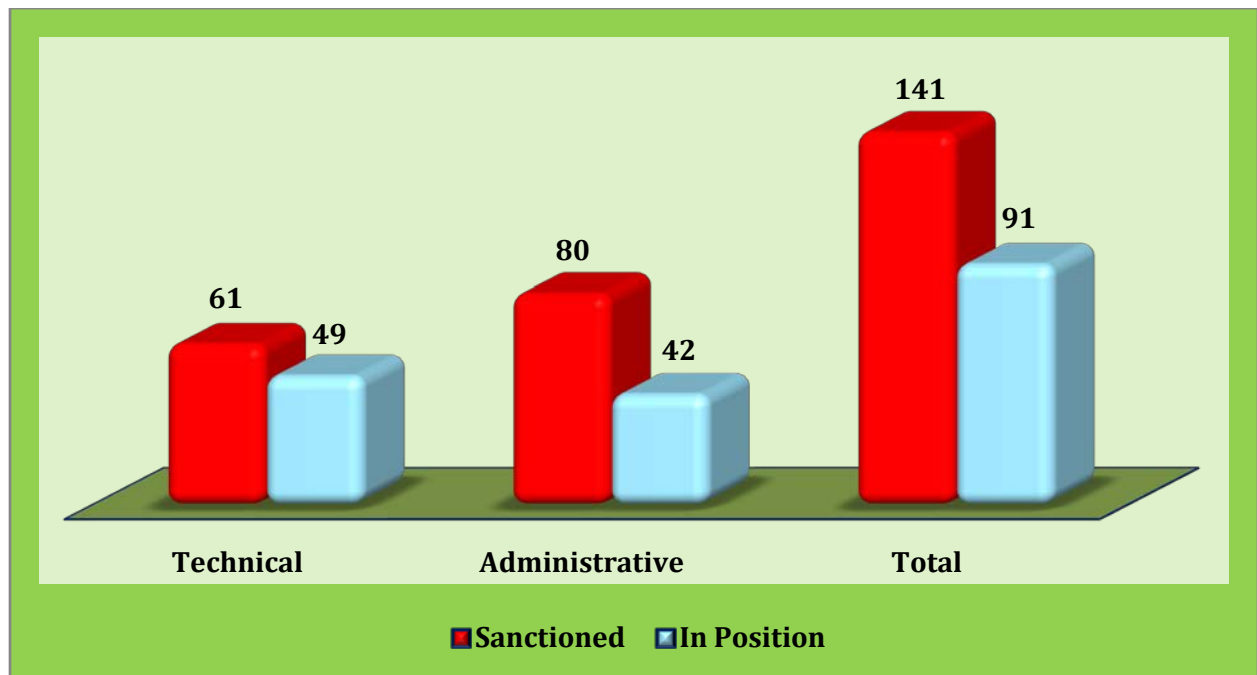


Chart 1.4: Manpower strength of the 11 IDSs as on 1.1.2014

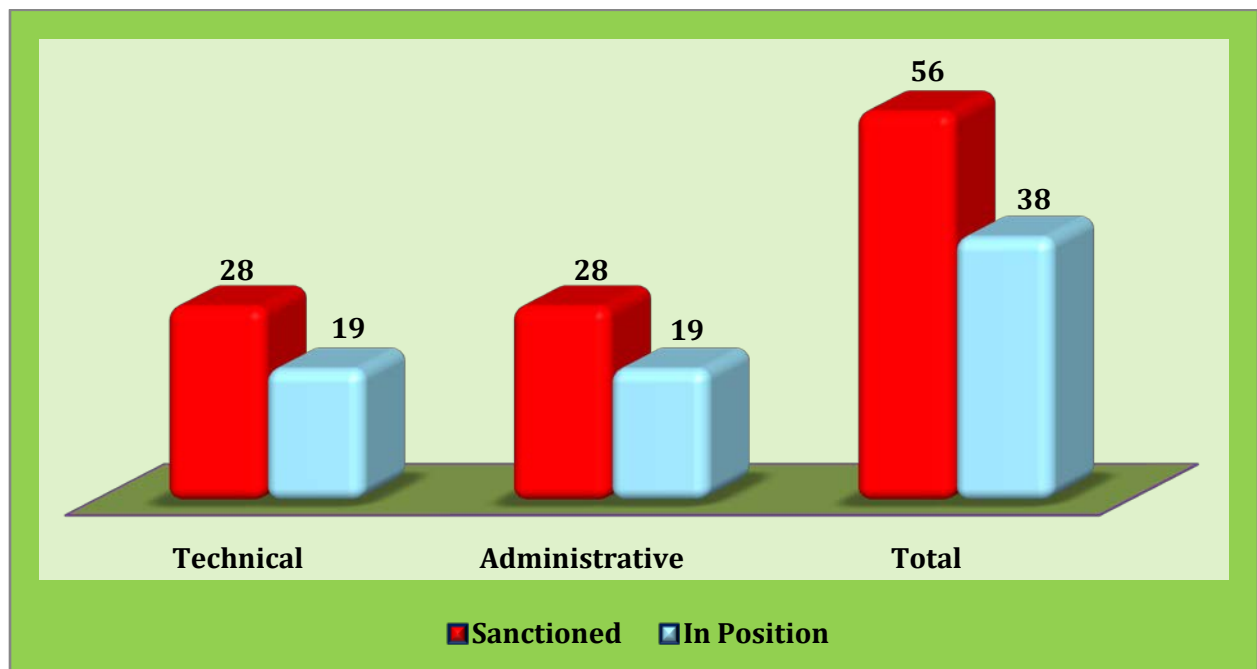


Chart 1.5: Overall manpower strength of DGFASLI organisation as on 1.1.2014

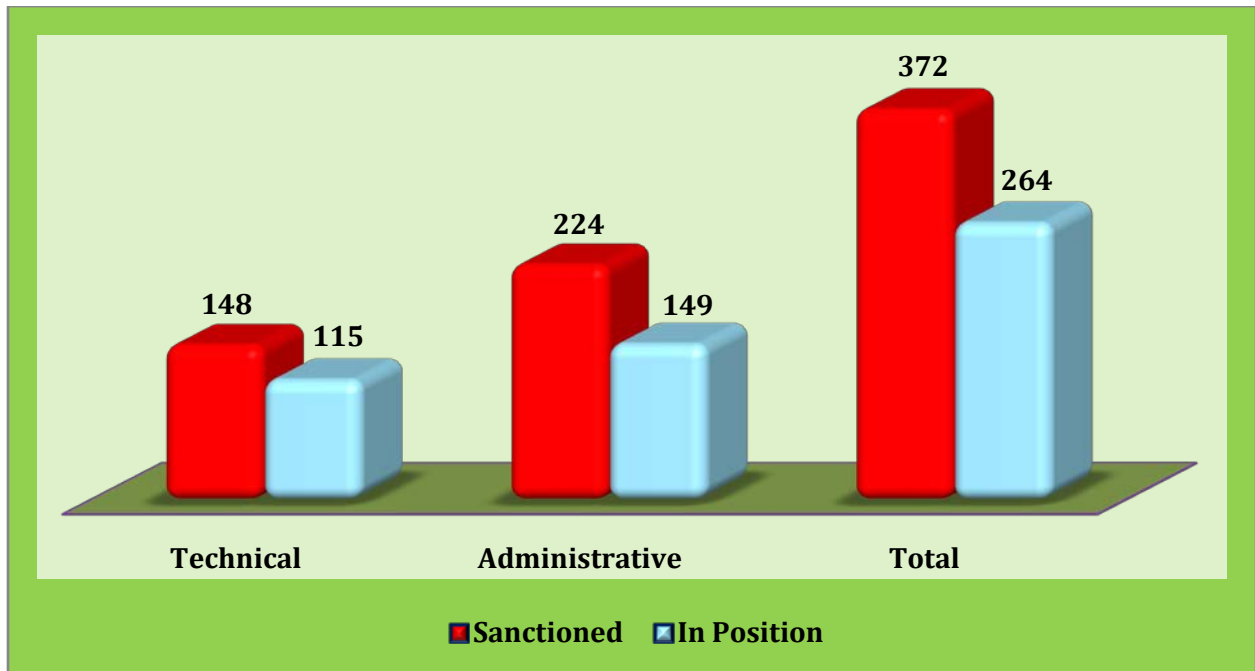


Chart 1.6: Group wise manpower strength of DGFASLI organisation as on 1.1.2014

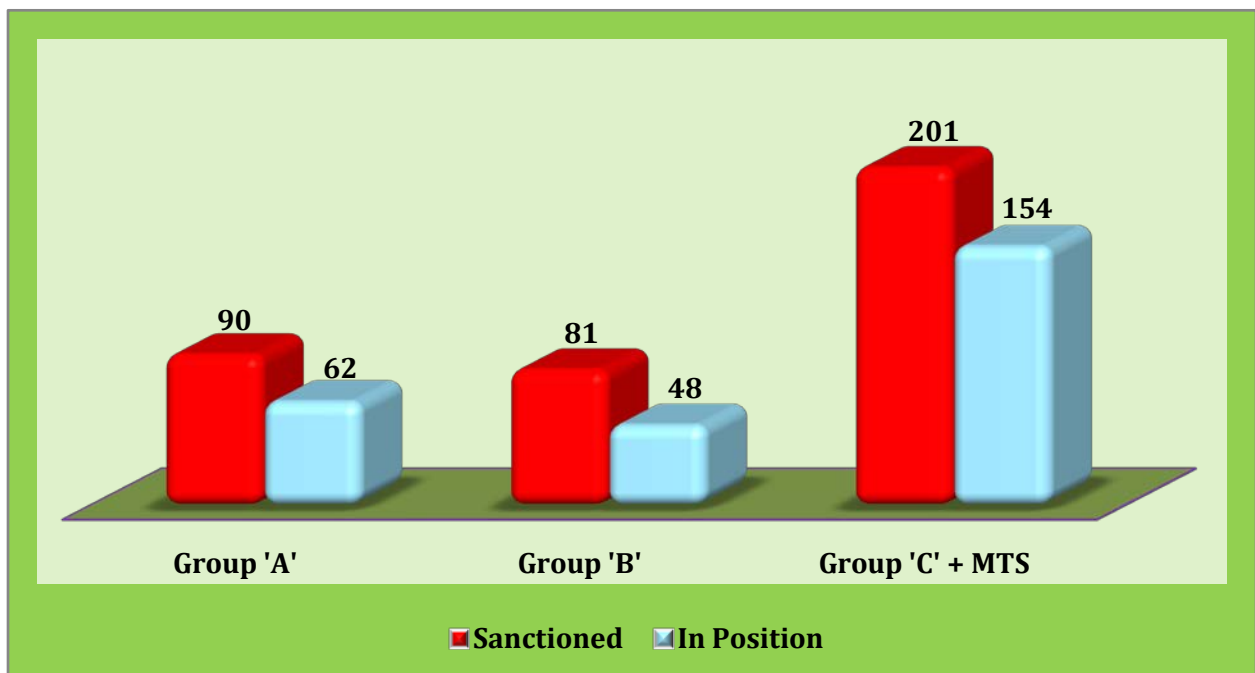


Chart 1.7: Distribution of Sanctioned manpower strength of the DGFASLI organisation among the various offices as on 1.1.2014

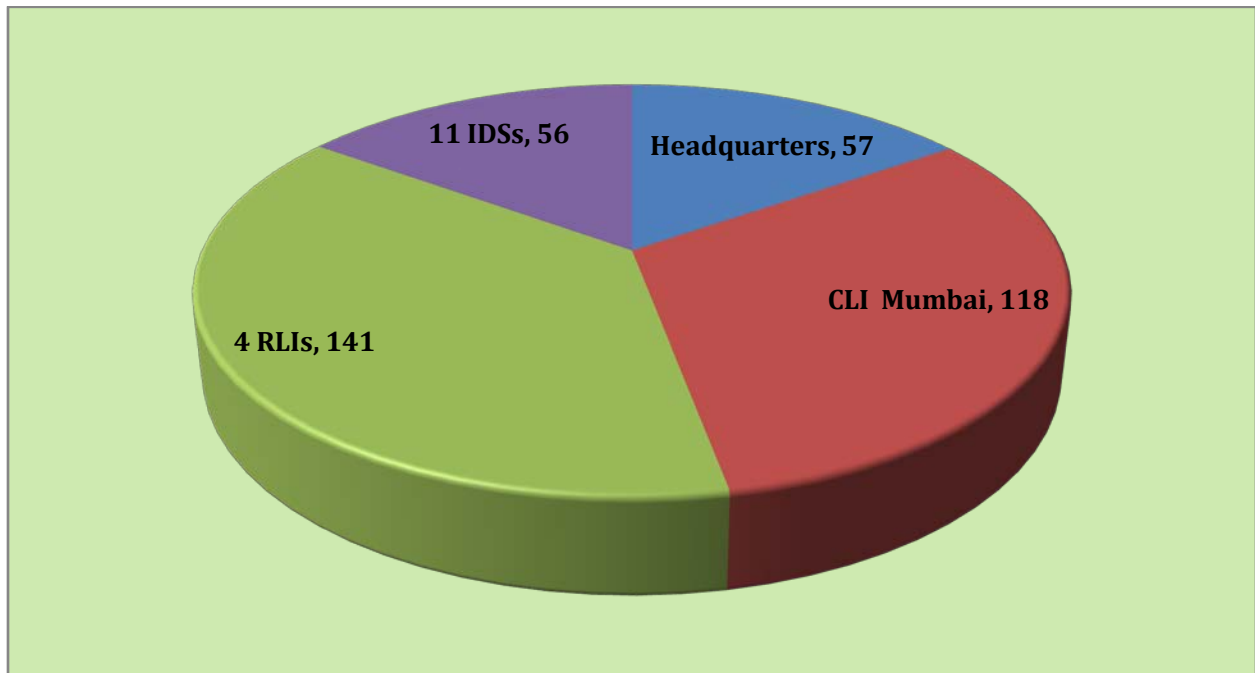
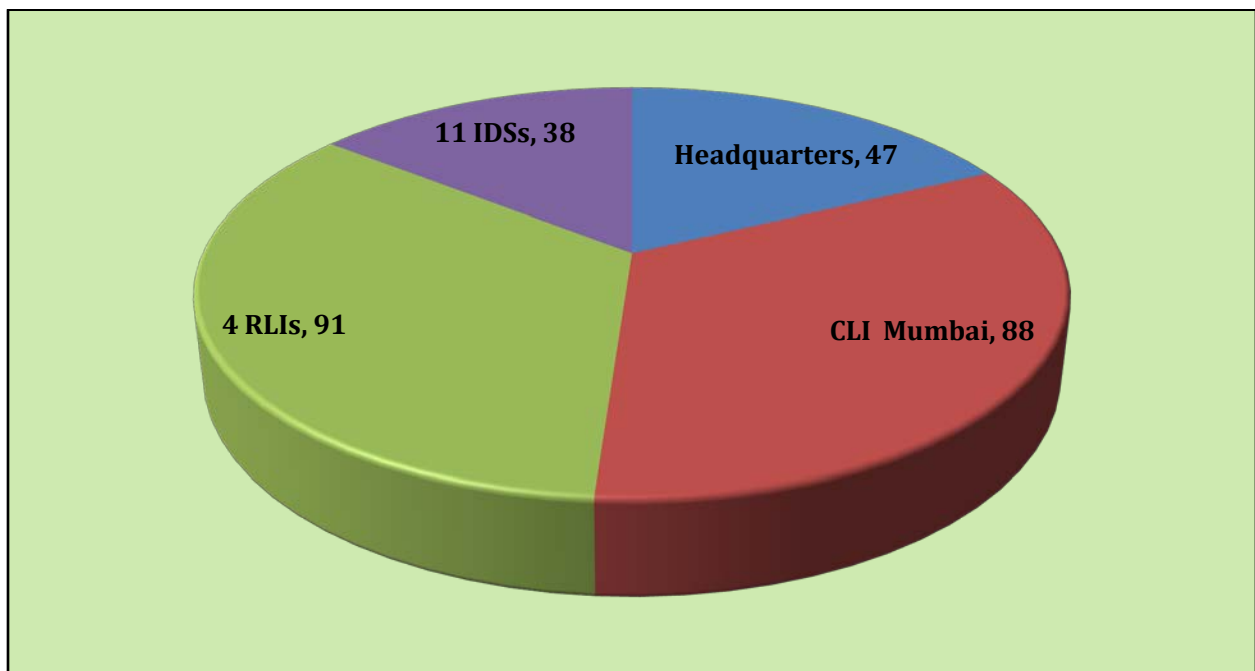


Chart 1.8: Distribution of In Position Manpower strength of the DGFASLI organisation among the various offices as on 1.1.2014



2 Budget

The allocation of funds for the various constituents and plan schemes of the organisation for 2013-2014 and 2014-2015 of the XIIth Five year plan is given below:

(Rs. in Lakhs)

Sl. No.	SCHEMES	Revised Estimates 2013-2014	Budget Estimates 2014-2015
A. NON-PLAN			
1.	DGFASLI & IDS	661.50	708.00
2.	Research & Training (CLI & RLIs)	1065.50	1183.00
Total (NON-PLAN)		1727.00	1891.00
B. PLAN			
1.	Development of Regional Labour Institute, Faridabad as National Centre of Excellence	244.70	300.00
2.	Strengthening of DGFASLI Organisation and OSH in Factories, Ports and Docks	342.30	400.00
3.	Development of RLI, Shillong	-	10.00
Total (PLAN)		587.00	710.00
GRAND TOTAL (NON-PLAN)+ (PLAN)		2314.00	2601.00

3

Plan Schemes

During the year 2012-2013, two Plan Schemes under the XIIth Five Year Plan are taken up by DGFASLI for implementation, namely:

- (1) Development of Regional Labour Institute, Faridabad as National Centre of Excellence.
- (2) Strengthening of DGFASLI organization and OSH in Factories & Ports.

3.1 Plan Scheme I:

Development of Regional Labour Institute, Faridabad as National Centre of Excellence.

Objectives:

1. The objective of the Scheme is to develop Regional Labour Institute, Faridabad as an advanced center of Safety Systems to meet the specialized needs of MSMEs and Chemical Process Industry.
2. Development of Advance Training Center, Advance Research Center and Awareness Center for carrying out the Technical activities of the Center of Excellence.
3. To develop wide spectrum Door-step Facility to impart knowledge, skills and develop awareness among the work-force and owner-managers of MSMEs.

Table 3.1 Targets & Achievements (January to December 2013)

Sl. No.	Activities	Targets	Achievements
1.	Creation of Posts	-	-
2.	Setting up of Centres / Laboratories	01	01 (in process)
3.	Short & Long duration training programmes / In plant training programmes	08	09
4.	One year post Diploma Course in Industrial Safety for Safety Officers	01	01 (Continuing)
5.	3 month course-Associate Fellow of Industrial Health (AFIH)	-	01 (Continuing)
6.	One month specialized Training course	-	-
7.	Developing State wise OSH monitoring	-	-
8.	Training programme for small and medium enterprises	02	01
9.	Research/Studies / Surveys / Safety Audits	08	06
10.	National Seminars/ Conferences/ Workshops	02	02
11.	Publications	01	-
12.	Production of Video films	01	-

3.2 Plan Scheme II:

Strengthening of DGFASLI Organization and OSH in Factories, Ports & Docks

Objectives:

To strengthen the infrastructure facilities at DGFASLI organization including Central Labour Institute at Mumbai & Regional Labour Institutes located at Chennai, Kanpur & Kolkata, and Inspectorates Dock Safety at the eleven major ports for improving occupational safety and health status of workers in factories, ports and docks throughout the country thereby contributing to prevention of occupational injuries and diseases.

Table 3.2 Targets & Achievements (January to December 2013)

Sl. No.	Activities	Targets	Achievement
1.	a) Development of National Inventory on OSH information and follow up	*	*
	b) Up gradation and development of databases	*	02
	c) Development of Application Programmes	*	01
	d) Material Safety Data Sheet (MSDS) on request	*	101
	e) Industry-wise safety and health information	*	76
	f) INDOSHNEWS Publication	04	03
	g) Publication of Manuals, brochures, etc	*	119
2.	Conduction of specialized training programmes, seminars, workshops	60	70
3.	Conduction of studies/surveys/audits	48	58
4.	Enforcement activities in major ports (inspection of ships, container ship, loose gears, docks, container yards, hazardous installations, etc.)	1500	1656
5.	Testing of Respiratory & Non Respiratory PPE	750	760

4

Safety & Health Improvement in Factories, Docks and Construction

4.1 Co-ordination in the Administration of the Factories Act, 1948

The Factories Act, 1948 is the principal and comprehensive legislation of the Parliament, which provides for the requirements concerning safety, health and welfare amenities needed by workers employed in factories. The provisions of the Act are applicable to the factories as defined under Section 2m(i), 2m(ii) or notified under Section 85 of the Act by the State Governments.

The Ministry of Labour and Employment is accountable to the Parliament for proper enforcement of the Act. Uniformity in the application of the provisions of the Act in the State/Union Territories is achieved by circulating the Model Rules prepared by DGFASLI, which are incorporated by states in their State Factories Rules with necessary modifications to suit local needs. In the task of framing of the Model Rules, the DGFASLI, on behalf of the Ministry of Labour and Employment, enlists the cooperation and involvement of the State Governments by convening annually a Conference of Chief Inspectors of Factories. The Conference discusses all matters relating to the administration of the Act as well as proposed amendments. Besides, the Conference also serves as a forum for discussion on the progress made in the application of techniques and methods for prevention of accidents and ill-health in factories.

4.2 During the year 2013 comments/clarifications / replies/ materials were prepared on the following matters -

Table-4.1

Sl. No.	Comments/ Clarifications / Replies/ Materials	Nos.
1.	Matters regarding Factories Act,1948	16
2.	Matters regarding ILO Conventions/ILO meetings	9
3.	Matters relating to Parliament Questions and Parliamentary Standing Committee on Labour Meetings	49
4.	Matters regarding Court Cases	6
5.	Other Important Matters	47

4.3 Implementation of the Right to Information Act 2005

- The enactment of Right to Information Act, 2005, is a gateway for the citizens to seek information under the control of Public Authority and promote transparency and accountability.
- DGFASLI being one of the Public Authorities, the C.P.I.O. of the organisation received a total no. of 101 applications during the period January to December, 2013. Out of which 50 applications were received under section 6(3) of the RTI Act (i.e. transferred from other public authority) and 51 applications were received directly and 13 applications were brought forwarded from the 3rd quarter of 2012 (Oct. – Dec., 2012). Thus a total of 114 applications were considered during the year. Information was provided within the stipulated time frame to 99 applications and 01 application was transferred to other public authorities under Section 6(3) of the RTI Act. 09 applications were carried forward to next year. 05 applications were rejected. An amount of Rs. 2138/- was received during the period as application fees and cost of providing information in material form.
- The Appellate Authority of DGFASLI received a total number of 8 appeals during the period and all were replied within stipulated time frame.

4.4 Administration of the Dock Workers (Safety, Health and Welfare) Act, 1986 and Regulation framed there under and the Environment (Protection) Act, 1986 and Rules framed there under

The Dock Workers (Safety, Health and Welfare), Act, 1986 and the Regulations 1990 framed there under cover safety, health and welfare aspects of all the workers engaged in dock work, whether in loading or unloading of cargo on board the ship, alongside it or in transit sheds, warehouses or yard etc., within the port premises including those engaged in chipping and painting of ships. These statutes are in line with ILO Convention No. 152 on Occupational Safety and Health (Dock Work).

Administration of the Act and the Regulations in major ports is carried out by the Ministry of Labour and Employment, through DGFASLI, Mumbai. The Director General is the Chief Inspector of Dock Safety appointed under the Act. The Chief Inspector of Dock Safety is also an authority for enforcement of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 framed under the Environment (Protection) Act, 1986, in the major ports.

The above statutes are enforced by the Inspectors posted at Inspectorate of Dock Safety at all the major ports viz. Mumbai, Kolkata, Chennai, Kandla, Mormugao, New Mangalore, Cochin, Tuticorin, Visakhapatnam, Paradip and Jawaharlal Nehru Port except Ennore where the Inspectorate is yet to be set up. Presently, the enforcement in this Port is carried out by the Inspectors posted in Inspectorate Dock Safety, Chennai. Inspectors also enforce the Marking of Heavy Packages Act, 1951 and Rules framed there under in the major ports.

The main function of the Inspectorates is to ensure the compliance with the provisions under the statutes. The statutory responsibilities of Inspector include inspection of ships, tankers, loose-gears, container-handling equipment, docks, container-yard and terminal, hazardous installations and isolated storages, tanks; carrying out the investigation of accidents (fatal and serious) and dangerous occurrences; prosecution of employers, attending to complaints, providing advisory services and conducting safety promotional activities like training programmes, workshops, celebration of safety week etc. The Inspectorate also prosecutes the agency responsible for serious violation of any provision of the Act and Regulations framed there under.

4.5 Safety Week Celebrations for Dock Safety

During the year 2013 Safety Week Celebrations were held at the Ports of Mumbai, Kolkata, Visakhapatnam, Kochi, New Mangalore, J. N. Port, and Tuticorin. Total 08 Week Celebrations were held during the year. During the celebrations, various safety promotional activities like safety poster competitions, safety quiz contest, first-aid and fire fighting demonstrations and appreciation programmes were organized for benefit of dock workers and their families.

4.6 Safety and Health in Construction Sector

The Building and Other Construction Workers Act (BOCW Act) (Regulation of Employment and Conditions of Service) was enacted in 1996. The Central Government is the appropriate government for notifying the rules and regulations under the Act as well as the enforcement of the provisions under the said Rules, in respect of establishments in relation to which Central Government is the appropriate government under the Industrial Disputes Act, 1947. In respect of other establishments, the State Government is the appropriate government for notifying the Rules and enforcing the provisions. DGFASLI at the behest of the Ministry of Labour and Employment had done the entire work of drafting the above said Act 1996 as well as framing of the Central Rules of 1998 made there under. The Director General, DGFASLI is a member on the Central Advisory Committee constituted under Rule 10 of the Central Rules of 1998. DGFASLI was entrusted with the task of processing applications in respect of approval of Competent Persons under Rule 2(j) of the Central Rules, 1998.

4.7 Studies and Surveys

- (a) **National Studies and Surveys** are undertaken by DGFASLI, in its efforts towards helping the Central Government to ascertain the status of working conditions, safety and health in factories and docks, and to formulate the appropriate standards for inclusion in statutes.
- (b) **State level Studies and Surveys** are undertaken in the State in certain priority areas to ascertain status of Safety Health and Environment at work place.

Table 4.2-Professional Interaction & Update Seminar (PIUS) 2013

Sl. No.	Title	Date	Participants	Organisations
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Table 4.3-National Studies and Surveys undertaken during 2013

Sl. No.	State level Studies and Surveys	No. of Studies & Surveys(Completed)
1.	Safety Features for Power Press Operations at M/s. Hawkins Cookers Ltd., Thane, Mumbai(CLI, Mumbai)	1

Table 4.4-State level Studies and Surveys undertaken during 2013

Sl. No.	State level Studies and Surveys	No. of Studies & Surveys (Completed)
1.	Study of Occupational Health in Daurala Sugar Mill, Daurala (Meerut) at RLI, Kanpur	1
2.	Safety Management System in Daurala Sugar Mill, Daurala (Meerut) at RLI, Kanpur	1
3.	Evaluation of Work Environment in Daurala Sugar Mill, Daurala (Meerut) at RLI, Kanpur	1
4.	Walkthrough Survey, (RLI Kanpur) in Glass Bangles industry of Firozabad	1
5.	Investigation Report of the Accident of Fly ash Hopper Collapse in M/s. Ambuja Cement Limited (Unit - Bhattapara) District Baloda Bazar (Chhattisgarh)	1
6.	Study of Safety Health & Work Environment in Sugar Industry at Balarampur Chini Mills, Balarampur, U.P.	1
7.	Industrial Hygiene Survey in Ultratech Cement Limited, Hirni Cement Works, Hirni (Chattisgarh) by RLI, Kanpur	1

- c) **Unit Level Consultancy Studies** are carried out at the request of the management and reports are submitted for implementation of the recommendations for further improvement in factories concerned. The institute-wise details of these studies are given in **Annexure I**.

Table 4.5-Unit level consultancy studies and audits undertaken during 2013

Sl. No.	Area/ Topic	No. of Consultancy Studies Completed)
1.	Safety Audit	17
2.	Environmental Monitoring Study	1
3.	Industrial Hygiene Study	3
4.	Risk Analysis study	1
5.	HAZOP study	3
6.	Noise Study	1
7.	Ventilation Study	2
8.	Illumination Level study	4
9.	Testing Quality Compressor Breathing Air	4
10.	Assessment of Asbestos Fibres	1
11.	Evaluation of Asbestos Fibre levels	1
12.	Safety Survey	1
13.	Heat Stress study	1
14.	Occupational Health Audit	1
15.	Quantitative Risk Assessment	1
16.	Workplace Environment Air Monitoring	4
17.	Onsite Emergency Plan Study	1
Total		47

Table 4.6-Seminars conducted during 2013

Sl. No.	Title	Venue	Date	No. of Participants	No. of Organisations
1.	Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards	Hotel Agnideep Continental, Guwahati, Assam	29/1/2013	201	62
2.	One day Seminar on "Occupational Safety & Health Awareness for Construction Industry" by RLI, Kolkata in collaboration with Meghalaya Building and Construction Workers Welfare Board	Raitong Building, Shillong, Meghalaya	16/1/2013	31	19
3.	Seminar on Silicosis	CIF, Goa	5/2/2013	46	10
4.	One day Seminar on "OSH Awareness in Tea Manufacturing Industries" by the Regional Labour Institute in collaboration with Inspectorate of Factories, Assam	Digboi, Assam	27/2/2013	209	40
5.	One day Seminar on "OSH Awareness in Tea Manufacturing Industries" by the Regional Labour Institute in collaboration with Inspectorate of Factories, Assam	Rajib Bhawan Conference Hall, Park Road, Silchar, Assam	20/2/2013	202	62
6.	Safety & Health in Glass Product & bangle Industry	CDGI, Firozabad	20/2/2013	7	5
7.	Seminar on "Capacity Building on Occupational Safety & Health"	RLI, Kanpur	7/3/2013	180	134
8.	Clinical Occupation medicine Toxicology Conference	RLI, Faridabad	18/3/2013	18	3
9.	National Seminar on "Enhancing Safety Insuring Lives	Anna Adarsh College for Women (RLI, Chennai)	12/09/2013	320	55
10.	A Seminar on Interactive session on Occupational Safety & Health Standards in Industries	RLI, Faridabad	20/09/2013	100	65

Sl. No.	Title	Venue	Date	No. of Participants	No. of Organisations
11.	11th National Conference OSHE: for Productivity, Prosperity and Progress organized by CIF, Goa in association with DGFASLI, Mumbai	Hotel Mandovi, Green Triangle Society, GOA	26/09/2013	136	74
12.	Effective OSH Awareness in Petroleum Industries in collaboration with the Inspectorate of Factories, Assam	Refinery Club cum Community Centre, IOCL, Bongaigaon Refinery Township, Dhaligaon District-Chirang, Assam	04/12/2013	152	10
13.	Seminar on "Enhancing Occupational Safety and Health: Effective Implementation of SHE Culture" jointly organized by RLI, Chennai and Madras Management Association	Hotel Atithi, Puduchery	23/12/2013	200	200
Total				1802	739

Table 4.7-Workshops conducted during 2013

Sl. No.	Title	Venue	Date	No. of Participants	No. of Organisations
1.	Workshop on “Working Conditions and Improvement in Higher Productivity at Work Place”	M/s. Sai Services Pvt. Ltd., Mapusa Industrial Estate, Dattawadi Mapusa, Goa	24/1/2013	17	17
2.	Workshop on “Working Conditions and Improvement in Higher Productivity at Work Place”	M/s. Dibold India Pvt.Ltd., /tivim Industrial Estate, Karaswada, Mapusa, Goa	22/1/2013	21	21
3.	Workshop on “Working Conditions and Improvements in Higher Productivity at Work Place”	M/s. Lupin India Pvt.Ltd., Aurangabad	6/2/2013	80	25
4.	One day Workshop on Safety in the Use of Hazardous Chemicals	RLI, Faridabad	11/2/2013	150	89
5.	Hazard Operatability Study	CLI, Mumbai	20/2/2013	26	7
6.	Workshop on ‘Safety Audit’	CLI, Mumbai	5/2/2013	19	14
7.	Workshop on “Dispersion Modelling & Impact Assessment of Major Toxic & Flammable Releases”	CLI, Mumbai(MH&CS)	11/4/2013	9	4
8.	Training programme on “Safety in Storage and Handling of Hazardous Chemicals”	RLI, Faridabad	16/4/2013	31	9
9.	US-DOL Training Programme “OSH Trainer Academy”	RLI, Faridabad	29/4/2013	24	1
10.	Workshop on “Pneumoconiosis & Its Control” for the Medical Inspector of Factories/Certifying Surgeons	RLI Kanpur	14/05/2013	5	4
11.	State Level workshop on Silicosis (in Collab. with DIHS Chhattisgarh)	Auditorium New Circuit House , Raipur (RLI Kanpur)	22/05/2013	150	78

Sl. No.	Title	Venue	Date	No. of Participants	No. of Organisations
12.	Workshop on Asbestosis & ILO Radiograph on Pneumoconiosis	CLI, Mumbai (Industrial Med.)	25/09/2013	29	27
13.	Workshop on Hazard & Operatability study	CLI, Mumbai(MH&CS)	9/10/2013	15	7
14.	Training Workshop on "Hazard & Operatability study"	RLI, Faridabad	29/10/2013	13	9
15.	Technical Training Workshop on "Industrial Hygiene Measurement and Safety" in collaboration with Department of Environmental Health Engineering, Sri Ramchandra University	RLI, Chennai	29/11/2013	20	11
16.	Workshop on Safety Audit	RLI, Kanpur	11/12/2013	20	16
17.	Workshop on 'Internal Safety Audit'	CLI, Mumbai (Industrial Safety)	17/12/2013	31	1
Total				660	340

Table 4.8- 3 or more days Training Programmes conducted during 2013

Programme/ Area	No. of Programmes	No. of Participants	No. of Organisations
A. Professional Programmes [Total:(a+ b +c)]	8	281	216
a) ADIS	5	200	143
b) AFIH	1	50	50
c) One-month Certificate Course for Supervisory Personnel in hazardous processes factories	2	31	23
B. Specialised Training Programmes [Total: (I +II + III +IV + V + VI)]	60	1193	603
I. Programme for Inspectors of Factories [Total: (a+ b +c)]	4	30	16
a) Basic course	1	15	6
b) Refresher Course	1	10	7
c) Chemical Safety	2	5	3
II. Programme for Management Personnel [Total:(a to u)]	41	818	448
a) Certificate Course on Occupational Safety (in association with Madras Management Association)	1	24	19
b) Specialised Training Programme on Analysis of Silica	2	8	2
c) Selection & Quality Assurance for Effective Use of PPE	1	7	2
d) Management of Safety, Health & Environment in Industries	1	17	5
e) Safety & Health Awareness programme for members of Safety Committee	1	17	5
f) Safe Handling of Chemical for Safety Committee Members	3	15	10
g) Workshop on Industrial Ventilation	1	6	4
h) 2nd All India Conference on OSH Professional on the Theme "Building & maintaining OSH Culture"	1	235	140
i) Management of Physical Hazards and Hazardous Wastes in Industries	1	27	10
j) Industrial Safety	3	57	37
k) Safety in Material Handling and Storage	1	19	10
l) Safety and Fire Fighting Management in Industries	1	19	17
m) Safety, Health & Environment at Workplace	3	69	35
n) Safety in Engineering Industry	1	22	10

Programme/ Area	No. of Programmes	No. of Participants	No. of Organisations
o) Workshop on Industrial Noise and Vibration	2	11	9
p) Industrial Physiology	1	14	12
q) MAHC	2	35	11
r) Hazardous Substances	5	66	34
s) Construction Safety	5	77	40
t) Environmental Pollutants	2	24	17
u) Industrial Productivity	3	49	19
III. Programme for Factory Supervisors [Total:(a+ b +c)]	3	48	18
a) Safety & Health	1	16	9
b) Training on Safety & Law	1	14	2
c) Industrial Productivity	1	18	7
IV. Programme for Trade Union Leaders/Workers/Joint Participation [Total:(a to e)]	6	140	30
a) Safety Training	1	26	1
b) Chemical Safety	1	19	6
c) Industrial Safety & Health	1	27	9
d) Industrial Productivity	2	46	8
e) Safety, Health & Environment	1	22	6
V. Programme for Educational Institutions [Total:(a+ b)]	5	150	84
a) Industrial Safety	2	50	2
b) Occupational Health	3	100	82
VI. Programme for Dock Safety Inspectors	1	7	7
a) Induction programme organized for newly joined Dock Safety Inspections	1	7	7
Grand Total: (A+B)	68	1474	819

Table 4.9-Need based in- company Training Programmes conducted during 2013

Programme/ Area	No. of Programmes	No. of Participants	No. of Organisations
I. Programme for Management Personnel [Total:(a to e)]	14	384	14
a) Industrial Safety	9	254	9
b) HAZOP	1	30	1
c) Industrial Hygiene	1	25	1
d) Occupational Health	1	40	1
e) HSE Awareness for the officials of EIL	2	35	2
II. Programme for Factory Supervisors	2	65	21
a) Industrial Safety	2	65	21
III. Programme for Factory Medical Officers	1	10	1
a) Occupational Health & Safety	1	10	1
Grand Total: (I +II + III)	17	459	36

Table 4.10 1-2 days Training Programmes conducted during 2013

Programme/ Area	No. of Programmes	No. of Participants	No. of Organisations
I. Programme for Management Personnel [Total:(a to f)]	7	385	182
a) Safety Audit	1	97	48
b) Hazardous Chemicals	2	83	52
c) Disaster Management	1	18	1
d) Dispersion Modeling and Impact Assessment of Toxic and Flammable Release	1	23	13
e) OSH Awareness in Manufacturing Industries	1	151	67
f) Industrial Safety & Health	1	13	1

Programme/ Area	No. of Programmes	No. of Participants	No. of Organisations
II. Programme for Factory Inspector	1	15	1
a) On job Training for the Officers of DIHS Chhattisgarh on Application of Industrial & Techniques for Evaluation of Work Environment	1	15	1
III. Programme for Trade Union Leader/Workers, Joint Participation [Total:(a to f)]	16	312	56
a) Occupational Safety, Health & Welfare & Environment	3	53	10
b) Salient Feature of Dock workers	2	31	3
c) Safety in Cargo Handling	3	27	6
d) Road Safety	5	117	11
e) Awareness in Safety	2	67	25
f) Safety Sensitisation	1	17	1
IV. Programme for Students of Educational Institutions	5	148	5
a) Industrial Safety	5	148	5
V. Programme for Supervisors	1	10	3
a) Dock Safety	1	10	3
Grand Total: (I +II + III + IV +V)	30	870	247

Table 4.11 Appreciation and Promotional Programmes conducted during 2013

Sl. No.	Programme	No. of Programmes	No. of Participants	No. of Organisations
1.	Appreciation Programmes	249	6416	758
2.	Visits to Safety, Health & Welfare Centre	81	2057	111

4.8 Education and Training

DGFASLI organized workshops, seminars, training programmes etc. for the benefit of industries, ports, enforcement officials etc.

4.8.1 Seminars are organized on the basis of findings and recommendations of various national studies; unit level studies and surveys; and issues and priorities of national concern. These seminars provide platform for discussing various issues related to safety and health; and recommend National level/ State level/ Unit level action plan in respective area of concern.

4.8.2 Workshops are organized to enhance the skills of the participants in dealing with matters connected to safety, health, productivity and environment etc.

4.8.3 Details of seminars and workshops conducted during the year 2013 are given below-

- 1) A one day seminar on "**Occupational Safety & Health Awareness for Construction Industry**" was organized by Regional Labour Institute, Kolkata in collaboration with Meghalaya Building and Other Construction Workers Welfare Board on 16th January, 2013 at Raitong Building, Shillong, Meghalaya. The objective of the seminar was to improve occupational safety and health awareness for betterment of OSH Management and improvement of productivity in Construction Industries. The seminar was inaugurated by Principal Secretary to the Govt. of Meghalaya, Labour Department & Chairman, MBOCWW Board. In his inaugural speech he emphasized on the long term relationship with DGFASLI for organizing more seminars in North Eastern region related to occupational safety & health issues in industries. He showed his concern on the condition of construction workers & impressed upon that there is a need to implement the top management commitment and objectives effectively in construction industry.
- 2) A one day seminar on "**Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards**" for the Executives/Management of Industries, Inspector of Factories, Safety Officers, Safety Professionals was organized by Regional Labour Institute, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Chief Inspector Factories, Assam at Hotel Agnideep Continental, Guwahati on 29th January, 2013. The objective of the seminar was to exchange experiences and ideas regarding new approaches & practices in humanization of the workplace so as to create a decent place of work. Further the seminar provided a platform for sharing of the experiences and practices in the industries towards creating a positive safety and health culture. 200 dignitaries & delegates from 115 organisations attended the seminar.
- 3) A one day seminar on "**Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards**" in Tea & other Industries was organized by Regional Labour Institute, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Chief Inspector Factories, Assam on 18th February, 2013 at Rajib Bhawan Conference Hall, Park Road, Silchar, Assam. The objective of the seminar was to exchange experiences and ideas regarding new approaches & practices in humanization of the workplace so as to create a decent place of work. Further the seminar provided a platform for sharing of the experiences and practices in the industries towards creating a positive safety and health culture. The programme was inaugurated by Prof. N. V. Deshpande, Director, NIT, Silchar by enlightening lamp followed by inaugural speech. 200 delegates including Inspector Factories, Safety officers, Safety professionals and others from 103 organisations attended the seminar.

- 4) A one day seminar on "**Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards**" in **Petroleum Industries** for the Executives/Management of Industries, Inspector of Factories, Safety Officers, Safety Professionals was organized by Regional Labour Institute, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Chief Inspector Factories, Assam on 27th February, 2013 at Rajib Bhawan, Conference Hall, Park Road, Silchar, Assam. The objective of the seminar was to exchange experiences and ideas regarding new approaches & practices in humanization of the workplace so as to create a decent place of work. Further the seminar provided a platform for sharing of the experiences and practices in the industries towards creating a positive safety and health culture. The programme was inaugurated by Hon'ble Parliamentary Secretary Shri Raju Sahu, Labour & Employment Department, Government of Assam by enlightening lamp followed by inaugural speech. 200 dignitaries & delegates from 115 organisations attended the seminar.
- 5) Regional Labour Institute, Kanpur organized a Seminar on "**Capacity Building on Occupational Safety & Health**" on 7th March, 2013. The seminar was inaugurated by Prof. Ashok Kumar, Hon'ble Vice Chancellor CSJM University, Kanpur. 9 papers on the theme of the seminar were presented by the experts who attended the seminar. The seminar was attended by 180 delegates from 134 different organizations and it got wide media attention.
- 6) Regional Labour Institute, Kanpur organized a Specialized Training Workshop on "**Pneumoconiosis & Its Control**" for the Medical Inspector of Factories/Certifying Surgeons, directly involved in the process of identification and diagnosis of the pneumoconiosis in different States from 14th to 15th May, 2013. It was an initiative of the institute as desired by the Chairman of Advisory Committee(Third Meeting) regarding Developing of Control Strategies and to Review the Safeguards in relation to Primary Exposure to Asbestos by the workers and as insisted upon by NHRC. The medical inspectors from four different states e.g. Karnataka, Chhattisgarh, Rajasthan & Delhi actively participated.
- 7) Regional Labour Institute, Kanpur in association with Department of Industrial Health & Safety, Chhattisgarh organised a "**State Level Workshop on Silicosis**" on 22nd May, 2013 at Auditorium, State Circuit House, Raipur for the silica based industries of the State of Chhattisgarh. The workshop was inaugurated by Hon'ble State Labour Minister of the Government of Chhattisgarh Shri Chandra Sekhar Sahu and presided over by Additional Chief Secretary of the State of Chhattisgarh Shri Vevek Dhand. DGFASLI rendered total technical support in running technical sessions. The workshop was attended by large number of delegates throughout the State of Chhattisgarh and got wide media attention.
- 8) A Seminar on "**An Interactive session on Occupational Safety & Health Standards in Industries**" was organized at RLI, Faridabad on 20th September, 2013. The Seminar was inaugurated and chaired by Shri A. C. Pandey, Joint Secretary, Ministry of Labour & Employment, Govt. of India, New Delhi. The seminar was attended 100 by delegates from 5 organisations.
- 9) A One day seminar on "**OSH Awareness in Manufacturing Industries**" was organized by RLI, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Inspectorate of Factories, Govt. of Assam on 27th November, 2013 for the Managerial staff, Supervisors, Workers and Trade Union Representatives of Manufacturing Industries at Hotel Royal Highness, G. N. B. Road, Tinsukia, Assam. The objective of the seminar was to build up awareness competence of government officials, managers of industries, representatives of the associations of employers and

employees, trade unions representatives, safety professionals and other OSH stakeholders on implementation of the National Policy on Safety, Health & Environment at Workplace, OSH statutes, SHE management system, accident prevention programmes, occupational health services etc. The programme was inaugurated by Shri Puru Gupta, IAS, Commissioner, Tinsukia District, Assam by enlightening lamp. Shri U. K. Das, Director (safety), RLI, Kolkata, Shri C. Purkayastha, Chief Inspector of Factories, Govt. of Assam both delivered the key note address in the inaugural function. 151 dignitaries & delegates from 67 organisations attended the Seminar.

- 10) A one day Seminar on "**Effective OSH Awareness in Petroleum Industries**" was organized by Regional Labour Institute, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Inspectorate of Factories, Govt. of Assam on 4th December, 2013 at Refinery Club cum Community Centre, IOCL, Bongaigaon Refinery Township, Dhaligaon District, Assam. The objective of the seminar was to build up awareness & competence of the OSH stakeholders on implementation of the National Policy on Safety, Health and Environment at Workplace, OSH statutes, SHE management system, accident prevention programmes, occupational health services etc. Shri A. Saran, Executive Director, IOCL, Bongaigaon Refinery inaugurated the seminar. Shri R. A. Jha, General Manager and In-Charge, IOCL, Bongaigaon Refinery, Director (Safety), Regional Labour Institute, Kolkata and Addl. Chief Inspector of Factories, Govt. of Assam, graced the occasion. 152 dignitaries and delegates from 7 organisations attended the Seminar. Director (Safety), Regional Labour Institute, Kolkata & Addl. Chief Inspector of Factories, Govt. of Assam delivered the key note address in the inaugural function.

4.8.4 Longer Duration Training Programmes

- a) **Professional Programmes:** To fulfill the need of qualified Safety officers, and Factory Medical Officers in the industry, DGFASLI organisation conducts one year "**Advance Diploma Course in Industrial Safety**" (ADIS) and three months "**Associate Fellow of Industrial Health**" (AFIH) Certificate Course respectively. In order to meet the demands of supervisors competent to handle and supervise hazardous processes in industries, a "**One Month Certificate Course in Industrial Safety & Health**" was started at CLI Mumbai as well as RLI Kolkata, Kanpur and Chennai.
- b) **Specialised Training Programmes** are conducted for identified target groups such as Inspectors of Factories Senior Managers, Safety Officers, Factory Medical Officers, Supervisors, Trade Union Officials and Safety Committee members from Industry. Basic course for inspectors of factories who are freshly recruited is conducted to impart technical knowledge and skills in the field of safety and health. In view of the need for inspection of specific industries and Major Accident Hazards units, specialised courses are also conducted for senior inspectors. Some of the programmes are exclusively conducted for the union-leaders where joint participation of management personnel and union representatives from industries are the special features of some programmes.

The institute-wise details of 3 or More Days Training Programmes and Professional Programmes are given in **Annexure-II**.

4.8.5 Need Based In-Company Training Programmes

On the request of managements, various disciplines of DGFASLI conduct in-company need based training programmes for the benefit of cross-section of personnel from respective units. Such programmes are designed after proper identification of needs of the defined target through preliminary discussions with the managements. The institute-wise details of the need-based in – company Training Programmes are given in **Annexure – III**.

4.8.6 1-2 Days Training Programmes

DGFASLI also organized short duration (1 – 2 days) training programmes for the benefit of supervisors, workers, and workers representatives from factories. Such programmes are organized in the field of Safety, Health, Hygiene, Psychology, etc. The institute-wise details of Short Duration Training Programmes are given in **Annexure IV**.

4.8.7 Appreciation and Promotional Programmes

Each of the Labour Institutes at Mumbai, Kolkata, Kanpur, Chennai and Faridabad has an Industrial Safety Health and Welfare Centre, and conducting half day appreciations programmes. Appreciation Programmes at various laboratories and divisions of the organization is also conducted.

4.9 Technical Advice

Technical advice and guidance are provided to industries and port users on various aspects relating to control of hazards, prevention of accidents and occupational diseases, work environment, productivity etc.

4.10 Testing of Personal Protective Equipment

The respiratory and non-respiratory Personal protective equipment testing laboratories at the Central Labour Institute, Mumbai undertake performance tests of canisters, masks, helmets, safety shoes, safety goggles, safety belts, welding glasses etc.

Table 4.12 Personnel Protective Equipment tested in 2013

Sl. No.	Type of Equipment	No. of Equipments tested
1.	Non-Respiratory Equipment	288
2.	Respiratory Equipment	475
Total		763

4.11 Approval of Flameproof Electrical Enclosures

Use of flame/explosion – proof electrical enclosures is mandatory in hazardous units where flammable environment exists. The control on quality of such flame proof electrical enclosures are assured through test methods as stipulated in IS: 60079-1:2009. DGFASLI is the approving agency for these enclosures for the purposes of the Factories Act, 1948. The approvals are issued on the basis of inspection of units manufacturing these equipments and the test reports obtained by them from of recognized testing laboratories such as Central Power Research Institute and Central Institute of Mining and Fuel Research.

Table 4.13-Approval of Flameproof Electrical Enclosures during the year 2013

Approvals issued	4 manufacturers for 28 flame-proof electrical enclosures
Inspection visits	3 Manufacturing units.

4.12 Talks

The officers of the organization deliver talks on special topics in programmes organized by outside agencies to disseminate latest technical information with specific reference to national studies, unit level studies, surveys conducted. They are also publishing papers and articles and presenting them in important symposia, workshops and seminars.

Table 4.14-Institute -wise Talks delivered during 2013

Sl. No.	Institute	No. of Talks	Participants	Organisations
1.	DGFASLI (HQ)*	16	342	16
2.	Central Labour Institute, Mumbai	12	498	12
3.	Regional Labour Institute, Kolkata	4	822	204
4.	Regional Labour Institute, Chennai	19	1991	618
5.	Regional Labour Institute, Kanpur	2	300	156
6.	Regional Labour Institute, Faridabad	2	60	13
Total		55	4013	1019

* Comprising of Factory Advice Service & Dock Safety Divisions.

4.13 Presentation of Papers/Articles/Reports Publication of Articles/Papers

The contribution of DGFASLI officers in preparation of papers and articles and presenting/publishing them in important symposia, workshops and seminars are highlighted as under.

Table 4.15-Paper/Article Presented in 2013

Sl. No.	Paper/Article	Periodicals/Events	Date
1.	"Hazard Identification and Monitoring of Work Environment" Lifeline for sustainable growth	One day Seminar on "Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards" for the Executives/Management of Industries, Inspector of Factories, Safety Officers, Safety Professionals	27/02/2013
2.	SHE Policy, and operation for accidental loss prevention for sustainable growth in industry	One day Seminar on "Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards" for the Executives/Management of Industries, Inspector of Factories, Safety Officers, Safety Professionals	27/02/2013

Sl. No.	Paper/Article	Periodicals/Events	Date
3.	"Hazard Identification and Monitoring of Work Environment" Lifeline for sustainable growth	One day Seminar on "Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards" in Tea and other industries, Inspector of Factories, Safety Officers, Safety Professionals at Silchar, Assam	18/02/2013
4.	SHE Policy, planning and operation for sustainable growth	One day Seminar on "Sustainable Industrial Growth through Prevention of OSH & Environmental Hazards" in Tea and other industries, Inspector of Factories, Safety Officers, Safety Professionals at Silchar, Assam	18/02/2013
5.	Paper on Building Organizational Capabilities to improve Employee/Contractor Safety	Workshop on " Health, Safety & Environment organized jointly by Petrotech & ONGC at Hotel Ashok, New Delhi	12/03/2014
6.	Paper on Occupational Health Management	Seminar on "Capacity Building on Occupational Safety & Health" at RLI, Kanpur	07/03/2013
7.	Basic Occupational Health Services-The way Ahead	Indian Association of Occupational Health, West Bengal.	09/07/2013
8.	Basic Occupational Health Services-The way Ahead	Indian Association of Occupational Health, Mumbai	06/07/2013
9.	Implementation of National Policy & Industrial Policy for effective SHE Management	One day seminar on "OSH Awareness in Manufacturing Industries" for the Managerial staff, Supervisors, Workers and Trade Union Representatives of Manufacturing Industries was organized by RLI, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Inspectorate of Factories, Govt. of Assam at Hotel Royal Highness, G. N. B. Road, Tinsukia, Assam	27/11/2013
10.	Accident Prevention & SHE Promotional Programme for sustainable growth	One day seminar on "OSH Awareness in Manufacturing Industries" for the Managerial staff, Supervisors, Workers and Trade Union Representatives of Manufacturing Industries was organized by RLI, Kolkata on behalf of DGFASLI, Mumbai in collaboration with Inspectorate of Factories, Govt. of Assam at Hotel Royal Highness, G .N. B. Road, Tinsukia, Assam	27/11/2013
11.	National Policy & Industrial Policy for SHE Management & Accident Prevention	One day Seminar on :Effective OSH Awareness in Petroleum Industries in collaboration with the Inspectorate of Factories, Assam	04/12/2013
12.	Emergency Planning and Preparedness	One day Seminar on :Effective OSH Awareness in Petroleum Industries in collaboration with the Inspectorate of Factories, Assam	04/12/2013

4.14 CIS National Centre for India

As a CIS National Centre for India CLI provides information and services on:

- Microfiche reference
- Awareness on current events
- Information access through CD-ROMs of ILO, WHO, etc.
- MSDS
- Dispersion Models

4.15 “INDOSHNEWS” Newsletter

In order to create Safety and Health awareness and to project the services offered by the organisation and its achievements DGFASLI brings out a Quarterly newsletter “INDOSHNEWS”. This quarterly newsletter is intended to reach to the people round the globe and bring about awareness in matters related to safety and health, highlight important issues, latest developments, current events in the area of safety and health.

Table 4.16 Papers/Articles Published in 2013

Sl. No.	Papers/Articles Published	Periodical
1.	Emerging Trends in Safety – Issues and Concerns, Asbestos, Asbestosis and Cancer	INDOSHNEWS Vol. 18 No. 1 & 2
2.	Strategy for Safe Transportation of Chemicals Difficulties and Solutions	INDOSHNEWS Vol. 18 No. 3

4.16 DGFASLI website

The DGFASLI website www.dgfasli.nic.in is a source of information on various safety and health related matters. The website contains database on abstract of OS&H studies, reports; information on advisory services rendered by DGFASLI in the area of testing of respiratory and non-respiratory personal protective equipment, flame proof equipment approval, material safety data sheets and National Referral Diagnostic Centre, etc. The INDOSHNEWS newsletters of DGFASLI are also available on the website. The training programme calendar for all the labour institutes, announcement on National Safety Awards & Vishwakarma Rashtriya Puraskar awards, AFIH course, Diploma Course in Industrial Safety along with the application forms are available on the website. The website enables users to access other useful websites related to safety and health and get the national directory of organisation-profile of agencies engaged in the field of safety and health. The website also contains the text of the Factories Act, 1948 and the Model Rules framed there under and also the Dock Workers (Safety, Health and Welfare) Act, 1986 etc. Statistics of Factories, Docks, List of Chief Inspectors of Factories, List of Dock Safety Inspectorates are also available.

5

Safety Awards

To appreciate the contribution made by the factories and docks towards producing quality goods and providing efficient services in safe and healthy conditions the following awards are being given.

5.1 Prime Minister's Shram Awards (PMSA)

The Prime Minister's Shram Awards (PMSA) were instituted in 1985, for the workers (as defined in Industrial Disputes Act, 1947) in recognition of their outstanding contributions in organizations both in public and private sector and who have distinguished record of performance, devotion to duty of a high order, specific contribution in the field of productivity, proven innovative abilities, presence of mind and exceptional courage and also to the workmen who have made supreme sacrifice of laying down their lives in the conscientious discharge of their duties.

It has been decided from the year 2004 onwards that the private sectors shall also be included within the ambit of Prime Minister's Shram Awards and the workers in the private sector units employing 500 or more workers and engaged in manufacturing and productive processes will be eligible to apply for these awards. The number of awards has been increased from 17 to 33. The awards, in order of sequence are Shram Ratna, Shram Bhushan, Shram Vir/Veerangana and Shram Shri/Devi. The recognition consists of a Sanad and cash award of Rs. Two lakh (1 award), Rs. One lakh (4 awards), Rs. 60,000 (12 awards) and Rs. 40,000 (16 awards) respectively.

5.2 Vishwakarma Rashtriya Puraskar & National Safety Awards

The DGFASLI on behalf of the Ministry of Labour and Employment has been implementing the Vishwakarma Rashtriya Puraskar (VRP) (earlier known as Shram Vir National Awards) and the National Safety Awards scheme since 1965. These schemes were modified in 1971, 1978 and again in 2007. The schemes presently in operation are as follow:

- (i) Vishwakarma Rashtriya Puraskar:** It is designed to give recognition at the national level to outstanding suggestions resulting in (i) Higher Productivity (ii) Improvement in safety and working conditions (iii) Savings in foreign exchange (import substitution as well as quality and safety of products), (iv) Improvement in overall efficiency of the establishments. It covers workers employed in factories and docks. The prizes are grouped in three classes i.e. (a) Applications ranked 1 to 5 (5 Awards) – Class "A" Awards Rs.75,000/- Each, (b) Applications ranked 6 to 13 (8 Awards) – Class "A" Awards Rs.50,000/- Each (c) Applications ranked 14 to 28 (15 Awards) – Class "A" Awards RS.25,000/- Each. These awards are applicable to the workers of Industrial establishments covered under the Factories Act, 1948, the employees covered under the Dock Worker (Safety, Health and Welfare) Act 1986, the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and Installations under Atomic Energy Regulatory Board (AERB).

- (ii) **National Safety Awards:** National Safety Awards are given in recognition of outstanding safety performance on the part of the industrial establishments covered under the Factories Act 1948, the employers covered under the Dock Worker (Safety, Health and Welfare) Act 1986, the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and Installations under Atomic Energy Regulatory Board (AERB). Shields and Citation Certificates are awarded to Winners and Runners Up. Schemes I to X are meant for factories, construction sites and nuclear Installations and Schemes XI and XII are for Ports. The Schemes/Schedule based on lowest frequency rate of accidents were deliberated in comparison with latest national Average Frequency Data of Accidents namely; for the period from 2005 to 2007 for manufacturing sector and for the period from 2007 – 08 to 2009 – 10 for the Port Sector.

Achievement in 2013

The Award presentation function for Vishwakarma Rashtriya Puraskar and National Safety Awards for the Performance year 2011 was held at Vigyan Bhavan, New Delhi and the awards were presented by the Hon'ble Minister of Labour and Employment, Shri Sis Ram Ola. The awards division received 194 applications under the Vishwakarma Rashtriya Puraskar from factories and docks and 188 applications under National Safety Awards for the performance year 2011. Out of this 8 Vishwakarma Rashtriya Puraskar and 23 National Safety Awards applications were rejected owing to various discrepancies and 186 VRP and 165 NSA applications were accepted for processing and assessment. Out of which 28 applications were selected as Winners of VRP for the performance year 2011. A total of 165 applications (63 Winners & 35 Runners-up) were recommended for National Safety Awards.

Table 5.1- Applications received for Vishwakarma Rashtriya Puraskar and the number of awards given

Performance Year	Applications Received	Awards given
2006	177	28
2007	146	28
2008	192	28
2009	234	28
2010	162	28
2011	194	28

Table 5.2- Estimated annual savings resulting from the suggestions

Performance Year	Savings in Indian Currency		Rupees in Foreign Exchange	
	Recurring	Non-Recurring	Recurring	Non-Recurring
2007	4,63,01,051	79,42,285	85,16,560	4,48,12,646
2008	1,45,20,20,000	10,09,50,000	23,00,00,000	-
2009	10,82,85,00,000	94,83,04,000	21,73,14,500	29,59,00,000
2010	1,45,97,88,000	77,14,00,000	1,19,76,304	49,60,155
2011	23,46,20,990	8,65,18,362	5,89,584	16,370

Table 5.3- National Safety Awards under different schemes

Performance Year	National Safety Awards	SCHEMES											
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2007	Applications	66	32	31	29	30	32	45	48	07	09	01	01
	Awards	26	17	10	11	07	07	08	08	02	03	01	01
2008	Applications	88	50	30	24	30	30	29	24	11	12	03	03
	Awards	25	21	13	11	09	09	08	08	03	04	01	02
2009	Applications	100	50	38	30	18	19	20	20	04	04	04	04
	Awards	27	21	16	15	09	10	08	09	02	02	02	02
2010	Applications	55	32	16	19	09	11	10	11	02	02	01	02
	Awards	22	19	08	09	06	07	05	05	02	02	-	01
2011	Applications	44	27	18	16	13	11	13	16	04	03	-	-
	Awards	22	17	11	12	08	10	06	08	02	02	-	-

Chart5.1: Vishwakarma Rashtriya Puraskar for the Performance Years 2007 to 2011

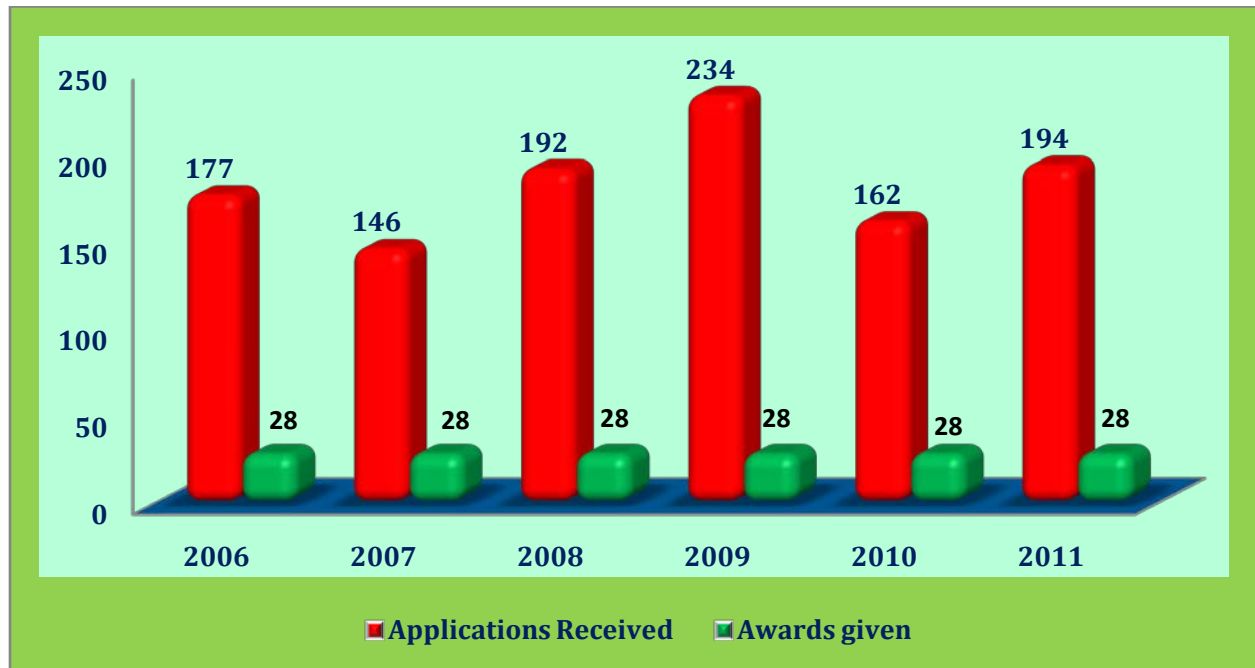
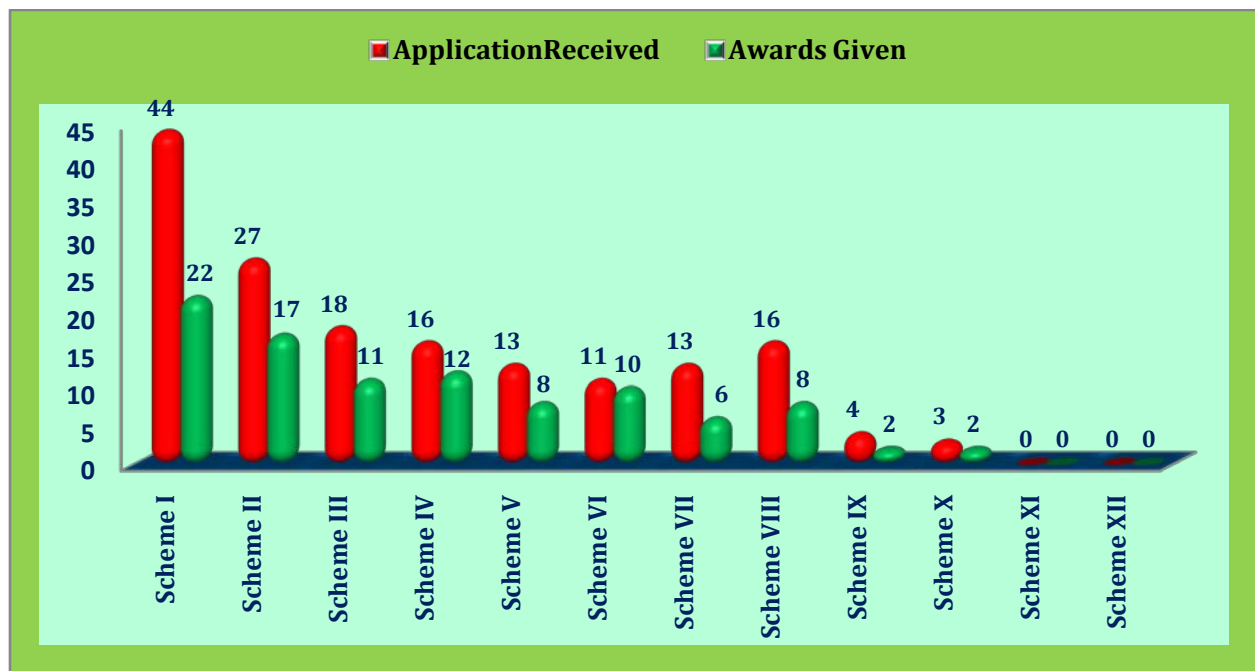


Chart5.2: National Safety Awards under different schemes for the Performance Year 2011



6

Human Resource Development

The officers of the Organisation are deputed to the programmes organized by various agencies within the country and abroad, for their exposure to the latest technical developments that are taking place in the field of Industrial Safety and Health. The details of such participation during the year are given below:

Table 6.1- International Programmes attended by officers of DGFASLI during 2013

Sl. No.	Programme Title	Place	From	To	No. of officers trained
1.	'India Occupational Safety & Health Modernization Programme Trainer Academy'	University of Texas, Arlington, USA	05/08/2013	16/08/2013	9

Table 6.2- National Programmes attended by officers of DGFASLI during 2013

Sl. No.	Programme Title	Place	From	To	No. of officers trained
1.	Training programme on Occupation Medicine & Toxicology	RLI, Faridabad	18/03/2013	22/03/2014	1
2.	National Conference on Chemical (Industrial) Disaster Management (CIDM)	GOA	16/4/2013	18/4/2013	4
3.	On-line Enrollment Process training by MSBTE	VES Polytechnic, Chembur	14/08/2013	-	2
4.	Direct Training Skills	ISTM, New Delhi	28/10/2013	01/11/2013	01
5.	Workshop on (Sweden-India Collaborative Research) "Climate Change and its impact on Human Health" and Present a paper on "Safety Issues with Occupational Heat Stress"	IIT, Delhi	25/11/2013	26/11/2013	01

7

Statistics on Occupational Safety and Health in Factories

The statistics of factories is collected and compiled by the **Labour Bureau** on the basis of the Annual Returns/Reports in respect of the Factories Act 1948, furnished by various States and Union Territories. Under the Factories Act, 1948, injuries resulting from industrial accidents, by reasons of which the person injured is prevented from attending to work for a period of 48 hours or more immediately following the accident, are recorded. The important indices on injuries are **Frequency Rate (FR)** and **Incidence Rate (IR)**. The **Frequency Rate** is defined as number of total injuries per 1, 00,000 man-days worked. The **Incidence Rate** is the number of injuries per 1000 workers employed in the factories.

The information relating to occupational injuries in factories are given in this chapter in tables 7.1 to 7.7 and Charts 7.1 to 7.2, which are based on the statistics provided by Labour Bureau up to the year 2010.

Table: 7.1-Statistics of Employment, Industrial Injuries, etc. in Factories for the Year 2006-2010

Year	No. of Working Factories	Estimated Average daily Employment (in thousands)	Industrial Injuries		Frequency Rate of injuries per lakh Man-days worked		Incidence Rate of injuries per thousand Workers Employed in Factories Submitting Return	
			Fatal	Total	Fatal	Total	Fatal	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2006	196097	8269	1068	19912	0.08	1.42	0.13	2.41
2007	163299	8015	821	15290	0.09	1.73	0.10	1.91
2008	137808	7421	478	5972	0.07	0.88	0.06	0.80
2009	143389	6488	668	6651	0.09	0.85	0.10	1.03
2010	228259	10855	1064	11175	0.06	0.64	0.10	1.03

Source: Data received from Labour Bureau through correspondence.

Limitations of the data received from Labour Bureau Chandigarh:

1. Figures for 2006 excludes A & N, Arunachal Pradesh, Bihar, Chhattisgarh, Dadra & Nagar Haveli, Delhi, Gujarat, Himachal Pradesh, Jammu & Kashmir, Lakshadweep, Manipur, Mizoram, Nagaland, Pondicherry, Sikkim, Uttar Pradesh, Uttaranchal and West Bengal.
2. Figures for 2007 (P) excludes A & N, Arunachal Pradesh, Bihar, Chhattisgarh, Dadra & Nagar Haveli, Delhi, Gujarat, Himachal Pradesh, Jammu & Kashmir, Lakshadweep, Manipur, Mizoram, Nagaland, Pondicherry, Sikkim, Uttar Pradesh, Uttaranchal and West Bengal.
3. The Number of injuries has been given on the basis of notices of accidents whereas the rates have been worked out on the basis of Annual Return.

Table 7.2- State-Wise Total Number of Industrial Injuries in Factories

S.No.	State / Union Territory	2006	2007	2008	2009	2010
1.	Andaman & Nicobar	NA	38(-)	NA	40(-)	NA
2.	Andhra Pradesh	1569(177)	1755(162)	1770(170)	1200(139)	1707(191)
3.	Arunachal Pradesh	NA	NA	NA	NA	NA
4.	Assam	55(5)	76(11)	82(15)	52(5)	52(6)
5.	Bihar	NA	162(11)	39(-)	156(27)	215(-)
6.	Chandigarh	12(-)	6(2)	NA	8(-)	2(-)
7.	Chhattisgarh	NA	NA	NA	NA	306(84)
8.	Daman & Diu	NA	NA	NA	NA	NA
9.	Delhi	NA	NA	NA	NA	NA
10.	Goa	204(8)	191(10)	168(7)	144(10)	109(12)
11.	Gujarat	5002(160)	NA	NA	NA	2992(221)
12.	Haryana	203(27)	145(43)	123(33)	118(31)	65(18)
13.	Himachal Pradesh	NA	NA	NA	NA	NA
14.	Jammu Kashmir	NA	NA	NA	NA	NA
15.	Jharkhand	270(27)	126(21)	237(23)	NA	98(33)
16.	Karnataka	2805(25)	2151(23)	555(22)	NA	NA
17.	Kerala	631(13)	NA	NA	NA	NA
18.	Lakshadweep	NA	NA	NA	NA	NA
19.	Madhya Pradesh	1168(35)	1623(53)	1476(54)	NA	NA
20.	Maharashtra	4547(403)	7216(342)	NA	3249(217)	2933(222)
21.	Manipur	NA	NA	NA	-	-
22.	Meghalaya	NA	-(-)	18(1)	28(-)	-
23.	Mizoram	NA	NA	NA	NA	NA
24.	Nagaland	NA	NA	NA	NA	-
25.	Odisha	553(74)	550(81)	564(81)	548(122)	580(102)
26.	Puducherry	NA	NA	NA	NA	56(10)
27.	Punjab	408(4)	NA	229(3)	283(35)	241(22)
28.	Rajasthan	1190(61)	1205(60)	656(49)	755(56)	856(67)
29.	Sikkim	NA	NA	NA	NA	NA
30.	Tamil Nadu	1290(49)	NA	NA	NA	957(75)
31.	Tripura	5(-)	3(1)	1(-)	6(2)	6(1)
32.	Uttar Pradesh	NA	NA	NA	NA	NA
33.	Uttaranchal	NA	NA	54(20)	64(24)	NA
34.	West Bengal	NA	43(1)	NA	NA	-
Total		19912(1068)	15290(821)	5972(478)	6651(668)	11175(1064)

Note: (i) NA = Not Available

(ii) - = Nil

(iii) Figures in brackets pertain to "Fatalities" and are included in the total.

(iv) For limitations of the data please refer note under table 7.1

Source: Data received from Labour Bureau through correspondence dated.

Table 7.3- State-wise Frequency Rates of Industrial Injuries in Factories

S. No.	State/ Union Territory	2006	2007	2008	2009	2010
1.	Andaman & Nicobar	NA	2.85(-)	NA	3.45(-)	NA
2.	Andhra Pradesh	1.34(0.15)	1.40(0.13)	1.30(0.13)	0.80(0.09)	0.70(0.80)
3.	Arunachal Pradesh	NA	NA	NA	NA	NA
4.	Assam	0.56(0.05)	0.86(0.12)	0.76(0.14)	1.83(0.18)	0.45(0.05)
5.	Bihar	NA	4.41(0.30)	0.95(-)	6.15(1.06)	5.83(-)
6.	Chandigarh	0.44(-)	0.23(0.08)	NA	0.34(-)	0.09(-)
7.	Chhattisgarh	NA	NA	NA	NA	0.13(0.04)
8.	Daman & Diu	NA	NA	NA	NA	NA
9.	Delhi	NA	NA	NA	NA	NA
10.	Goa	1.69(0.07)	1.37(0.07)	1.12(0.05)	0.67(0.05)	0.60(0.07)
11.	Gujarat	5.78(0.18)	NA	NA	NA	2.79(0.21)
12.	Haryana	0.22(0.03)	0.32(0.09)	0.29(0.08)	0.20(0.05)	0.14(0.04)
13.	Himachal Pradesh	NA	NA	NA	NA	NA
14.	Jammu & Kashmir	NA	NA	NA	NA	NA
15.	Jharkhand	0.32(0.03)	0.20(0.03)	0.22(0.02)	NA	0.09(0.03)
16.	Karnataka	1.82(0.02)	1.53(0.02)	0.65(0.03)	NA	NA
17.	Kerala	1.40(0.03)	NA	NA	NA	-
18.	Lakshadweep	NA	NA	NA	NA	NA
19.	Madhya Pradesh	1.20(0.04)	4.65(0.15)	5.23(0.19)	NA	NA
20.	Maharashtra	2.10(0.19)	3.21(0.15)	NA	1.11(0.07)	0.87(0.07)
21.	Manipur	NA	NA	NA	-(-)	-(-)
22.	Meghalaya	NA	NA	0.91(0.05)	5.96(-)	-(-)
23.	Mizoram	NA	NA	NA	NA	NA
24.	Nagaland	NA	NA	NA	NA	-(-)
25.	Odisha	1.48(0.20)	1.26(0.18)	1.23(0.18)	1.00(0.22)	0.87(0.15)
26.	Puducherry	NA	NA	NA	NA	0.50(0.09)
27.	Punjab	1.32(0.01)	-(-)	0.73(0.01)	1.01(0.12)	0.87(0.08)
28.	Rajasthan	2.54(0.13)	2.38(0.12)	1.48(0.11)	1.53(0.11)	1.48(0.12)
29.	Sikkim	NA	NA	NA	NA	NA
30.	Tamil Nadu	0.35(0.01)	NA	NA	NA	0.23(0.02)
31.	Tripura	0.14(-)	0.13(0.04)	0.07(-)	0.19(0.06)	0.20(0.03)
32.	Uttar Pradesh	NA	NA	NA	NA	NA
33.	Uttaranchal	NA	NA	0.24(0.09)	0.22(0.08)	NA
34.	West Bengal	NA	0.46(0.01)	NA	NA	-(-)
Total		1.42(0.08)	1.73(0.09)	0.88(0.07)	0.85(0.09)	0.64(0.06)

Note: (i) F.R. = Frequency Rate per lakh man-days worked
(ii) NA = Not Available,
(iii) (-) = Nil or Negligible,
(iv) Figures in bracket pertain to "Fatalities" and are included in the total
(v) For limitations of the data please refer note under table 7.1

Source: Data received from Labour Bureau through correspondence.

Table 7.4- State-wise Incidence Rates of Industrial Injuries in Factories

S. No.	State/ Union Territory	2006	2007	2008	2009	2010
1.	Andaman & Nicobar	NA	7.39(-)	NA	7.33(-)	NA
2.	Andhra Pradesh	1.98(0.22)	2.11(0.19)	2.03(0.19)	1.26(0.15)	1.67(0.19)
3.	Arunachal Pradesh	NA	NA	NA	NA	NA
4.	Assam	0.48(0.04)	0.63(0.09)	0.76(0.14)	0.38(0.04)	0.35(0.04)
5.	Bihar	NA	1.56(0.11)	0.34(-)	1.27(0.22)	1.55(-)
6.	Chandigarh	0.92(-)	0.50(0.17)	NA	0.72(-)	0.16(-)
7.	Chhattisgarh	NA	NA	NA	NA	1.16(0.32)
8.	Daman & Diu	NA	NA	NA	NA	NA
9.	Delhi	NA	NA	NA	NA	NA
10.	Goa	4.19(0.16)	3.63(0.19)	3.04(0.13)	2.23(0.15)	1.60(0.18)
11.	Gujarat	4.95(0.16)	NA	NA	NA	2.31(0.17)
12.	Haryana	0.32(0.04)	0.21(0.06)	0.18(0.05)	0.16(0.04)	0.08(0.02)
13.	Himachal Pradesh	NA	NA	NA	NA	NA
14.	Jammu & Kashmir	NA	NA	NA	NA	NA
15.	Jharkhand	0.92(0.09)	0.42(0.07)	0.76(0.07)	NA	0.25(0.08)
16.	Karnataka	3.06(0.03)	2.04(0.02)	0.49(0.02)	NA	NA
17.	Kerala	3.84(0.08)	NA	NA	NA	NA
18.	Lakshadweep	NA	NA	NA	NA	NA
19.	Madhya Pradesh	2.68(0.08)	3.62(0.12)	3.29(0.12)	NA	NA
20.	Maharashtra	3.43(0.30)	5.37(0.25)	NA	2.12(0.14)	1.74(0.13)
21.	Manipur	NA	NA	-(-)	-(-)	-
22.	Meghalaya	NA	NA	2.84(0.16)	4.64(-)	-
23.	Mizoram	NA	NA	NA	NA	NA
24.	Nagaland	NA	NA	NA	NA	-
25.	Odisha	3.68(0.49)	3.34(0.49)	3.22(0.46)	2.51(0.56)	2.19(0.39)
26.	Puducherry	NA	NA	NA	NA	0.72(0.13)
27.	Punjab	0.74(0.01)	NA	0.39(0.01)	0.48(0.06)	0.39(0.04)
28.	Rajasthan	3.02(0.16)	2.58(0.13)	1.10(0.08)	1.25(0.09)	1.50(0.12)
29.	Sikkim	NA	NA	NA	NA	NA
30.	Tamil Nadu	0.94(0.04)	NA	NA	NA	0.64(0.05)
31.	Tripura	0.15(-)	0.07(0.02)	0.02(-)	0.12(0.04)	0.10(0.02)
32.	Uttar Pradesh	NA	NA	NA	NA	-
33.	Uttaranchal	NA	NA	0.52(0.19)	0.39(0.15)	NA
34.	West Bengal	NA	0.05(0.00)	NA	NA	NA
Total		2.41(0.13)	1.91(0.10)	0.80(0.06)	1.03(0.10)	1.03(0.10)

Note: (i) I.R. = Incidence Rate per 1000 workers employed
(ii) NA = Not Available, (iii) (-) = Nil or Negligible
(iv) Figures in bracket pertain to "Fatalities" and are included in the total,
(v) For limitations of the data please refer note under table 7.1

Source: Data received from Labour Bureau through correspondence.

Table 7.5- Industrial Injuries and their Incidence Rate (IR) per Thousand Workers Employed by Important Industries

Sl. No.	Industry	NIC Code	2006		2007		2008		2009		2010	
			Total Injuries	IR	Total Injuries	IR	Total Injuries	IR	Total Injuries	IR	Total Injuries	IR
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.	All Textiles	17,18	5808 (68)	3.57 (0.04)	3582 (50)	2.52 (0.04)	1740 (37)	1.21 (0.03)	1326 (59)	1.52 (0.07)	2937 (83)	1.81 (0.05)
2.	Manufacture of Paper & paper products & printing, publishing & allied products	21,22	510 (25)	1.80 (0.09)	496 (26)	1.76 (0.09)	231 (22)	0.97 (0.09)	108 (21)	0.38 (0.07)	341 (28)	0.97 (0.08)
3.	Manufacture of Chemicals & Chemical products (Except Petroleum and coal products)	24	1560 (155)	1.97 (0.20)	991 (68)	1.87 (0.13)	206 (42)	0.50 (0.10)	186 (35)	0.40 (0.08)	719 (140)	1.02 (0.20)
4.	Manufacture of Non-metallic mineral products	26	896 (73)	1.63 (0.13)	1038 (68)	1.70 (0.11)	717 (65)	1.14 (0.10)	291 (63)	0.52 (0.11)	534 (86)	0.66 (0.11)
5.	Basic metal and alloys Industries	27	1842 (166)	3.16 (0.28)	1822 (179)	2.61 (0.26)	664 (121)	1.06 (0.19)	1042 (189)	2.19 (0.40)	1367 (311)	1.31 (0.30)
6.	Manufacture of metal products & Parts (except machinery & transport equipment)	28	1151 (38)	2.64 (0.09)	1209 (21)	2.55 (0.04)	297 (8)	0.75 (0.02)	365 (19)	0.87 (0.05)	1152 (57)	1.60 (0.08)
7.	Manufacture of machinery, machine tools & parts (except electrical machinery)	29,30	1522 (59)	3.26 (0.13)	999 (27)	1.86 (0.05)	144 (11)	0.24 (0.02)	317 (17)	0.80 (0.04)	622 (31)	1.18 (0.06)

Contd. ...

Sl. No.	Industry	NIC Code	2006		2007		2008		2009		2010(P)	
			Total Injuries	IR	Total Injuries	IR	Total Injuries	IR	Total Injuries	IR	Total Injuries	IR
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
8.	Manufacture of transport equipment and parts	34,35	1312 (80)	2.99 (0.18)	1043 (15)	2.29 (0.03)	320 (12)	0.89 (0.03)	422 (20)	0.91 (0.04)	552 (23)	0.89 (0.04)
9.	Electricity, Gas and Steam	40	392 (23)	2.79 (0.16)	119 (12)	0.70 (0.07)	145 (26)	0.96 (0.17)	167 (29)	1.30 (0.23)	220 (32)	0.98 (0.14)
Total of (Sl. No. 1 to 9 Industries)			14993 (687)	2.82 (0.13)	11299 (466)	2.18 (0.09)	4464 (344)	0.92 (0.07)	4224 (452)	1.04 (0.11)	8444 (791)	1.27 (0.12)
* Total of All Industries			19912 (1068)	2.41 (0.13)	15290 (821)	1.91 (0.10)	5972 (478)	0.80 (0.06)	6651 (668)	1.03 (0.10)	11175 (1064)	1.0 (0.10)

Note: (i) Figures in brackets indicate “Fatalities” and are included in the Total

(ii)* The figures for All Industries include the figures of other industries apart from above Industries shown.

(iii) For Limitations of data refer footnote of table 7.1

Source: Data received from Labour Bureau through correspondence.

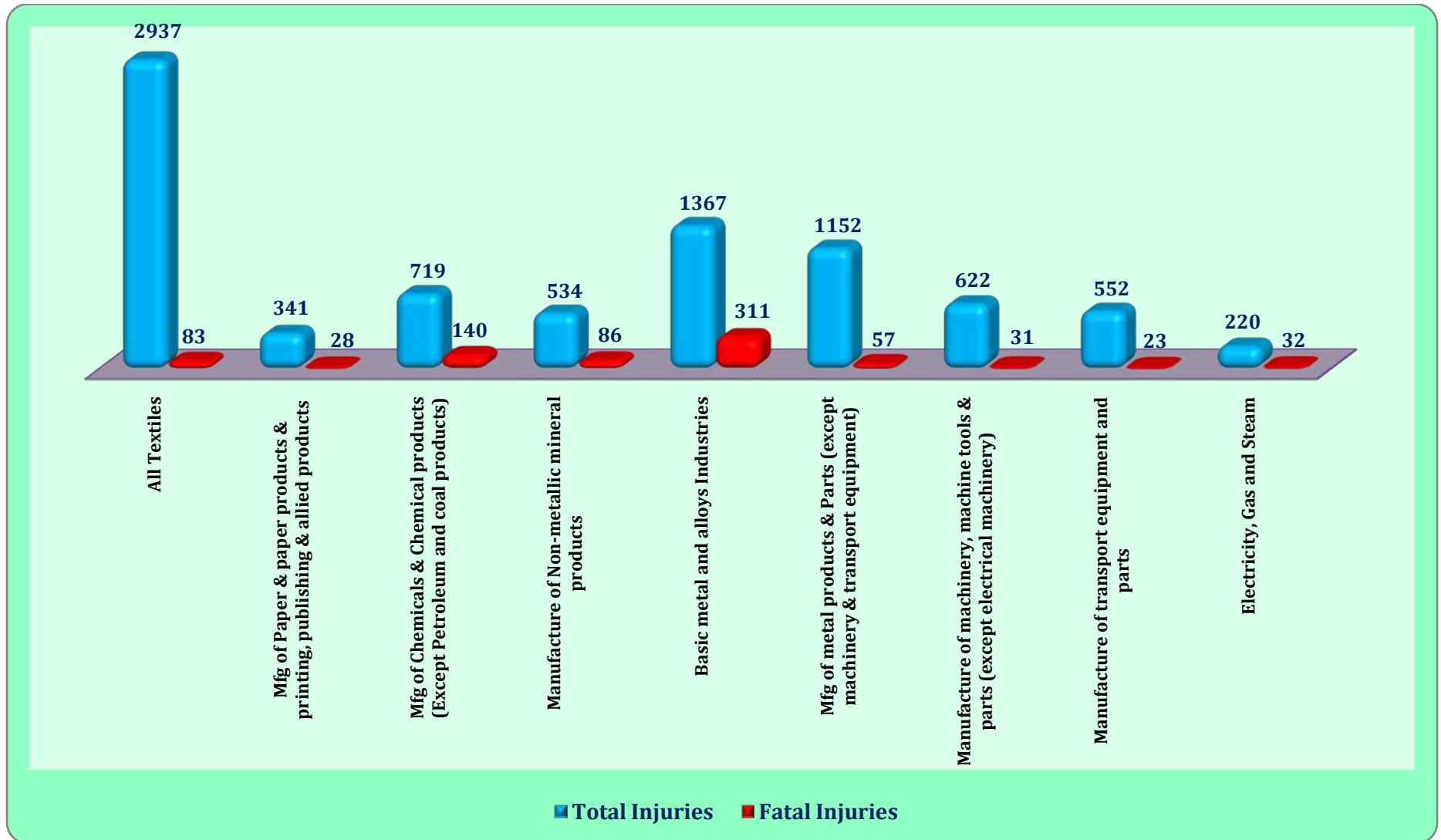
Chart 7.1-Industrial injuries in Important Industries for the year 2010

Table 7.6- Frequency Rate of Total Injuries by Important Industries

Sl. No.	Industry	NIC Code 2004	2008	2009	NIC Code 2008	2010 (P)
1.	All Textiles	17,18	1.57	1.63	13,14	1.32
2.	Manufacture of Paper & paper products & printing, publishing & allied products	21,22	0.96	0.33	17,18	0.69
3.	Manufacture of Chemicals & Chemical products (Except products of Petroleum and coal)	24	0.36	0.22	20	0.69
4.	Manufacture of Non-metallic mineral products	26	1.57	0.68	23	0.8
5.	Basic metal and alloys Industries	27	0.55	1.26	24	0.62
6.	Manufacture of metal products & Parts(except machinery & transport equipment)	28	1.19	0.87	25	1.1
7.	Manufacture of machinery, machine tools & parts (except electrical machinery)	29,30	0.35	0.62	28	0.96
8.	Manufacture of transport equipment and parts	34,35	0.67	0.53	29,30	0.45
9.	Electricity, Gas and Steam	40	0.77	0.70	35	0.08
Total of (Sl. No. 1 to 9 Industries)		-	0.91	0.81	-	0.48
* Total of All Industries		-	0.88	0.85	-	0.64

Note:

(i)* The figures for All Industries include the figures of other industries apart from above Industries shown.

(iii)For Limitations of data refer footnote of table 7.1

Source: Data received from Labour Bureau through correspondence.

Table 7.7- Industrial injuries in Factories by causes

Sl. No.	Causation	2008		2009		2010(P)	
		Total	Fatal	Total	Fatal	Total	Fatal
1.	Prime movers	41	3	66	8	62	11
2.	Machinery moved by Mechanical Power	599	66	768	68	2565	165
3.	Machinery not moved by Mechanical Power	77	7	93	5	236	32
4.	Transport whether moved by Power or not	68	19	125	23	244	31
5.	Electricity	84	31	128	45	243	92
6.	Explosions	32	11	179	46	180	62
7.	Fires	56	4	146	46	208	46
8.	Gassing	38	13	21	9	194	22
9.	Molten Metals & other Hot or Corrosive Substances	95	14	169	17	407	70
10.	Hand Tools	262	4	243	3	389	5
11.	Falling Bodies	516	24	482	22	630	59
12.	Persons Falling	680	69	588	97	1147	153
13.	Stepping on or Striking against Objects	398	9	402	13	587	18
14.	Handling Goods or Articles	275	9	692	24	604	43
15.	Others	1491	58	1834	70	2736	102
Total		4712	341	5936	496	10432	911

Note: (i) For Limitations of data refer footnote of table 7.1
(ii) Total in table 7.7 may not tally with the corresponding tables 7.1, 7.2 and 7.4 due to non-availability of cause-wise data of industrial injuries.

Source: Data received from Labour Bureau through correspondence dated.

8

Statistics on Status of compliance with statutory provisions of the Factories Act, 1948

DGFASLI receives information relating to factories covered under the provisions of the Factories Act, 1948 from States and Union Territories from time to time. This information is mainly collected through FAS Forms as well as through correspondence as and when required from the CIFs of the States/ UTs. It is entered in the data bank specially created at DGFASLI for disseminating any specific information as and when necessary. This information can be used to know the state-wise status of safety and health as well as compliance level with statutory standards in factories. The information can be used for estimation of various trends. It is emphasized here, that for ascertaining the correctness or the updated information given in the following pages/tables, the State Governments/Union Territory Administration concerned may be contacted.

Statistics* of Factories at a Glance: 2012		
Registered Factories	353684	
Working Factories	309626	
Employment	Total	14910635
	Men	12760240
	Women	2150395
Safety Officers	2898	
Welfare Officers	3297	
Factory Med. Officers	9278	
Safety Policy	13606	
Safety Committees	11850	
MAH Factories	1804	
Factories Having On-site Emergency Plan	1772	
Factories Having Canteens Facility	6683	
Factories Having Creches Facility	5656	
Total Injuries	29824	
Fatal Injuries	1383	

* (Based on data collected by DGFASLI through correspondence with CIF of States/UTs.)

Table 8.1-Fatal and Non-fatal Injuries in Factories (P)

Sl. No.	State/ Union Territory	2011		2012		2013(P)	
		Fatal Injuries	Non Fatal Injuries	Fatal Injuries	Non Fatal Injuries	Fatal Injuries	Non Fatal Injuries
1.	Andaman & Nicobar Islands	..	..	Nil	Nil	..	..
2.	Andhra Pradesh	154	898	156	526	137	513
3.	Assam	8	69	8	70	8	57
4.	Bihar	3	91	9	126	4	156
5.	Chandigarh	8	6	1	1	Nil	2
6.	Chhattisgarh	92	308	110	321	92	380
7.	Daman & Diu and Dadra & Nagar Haveli	17	38	14	31	12	57
8.	Delhi	29	43	6	18	13	14
9.	Goa	11	92	8	85	10	45
10.	Gujarat	249	3014	216	2781	218	2285
11.	Haryana	64	62	15	28	40	21
12.	Himachal Pradesh	17	25	10	11	11	23
13.	Jammu & Kashmir	4	4	8	5	..	..
14.	Jharkhand	..	..	33	149	35	92
15.	Karnataka	86	813	76	682	68	43
16.	Kerala	19	73	29	87	27	68
17.	Madhya Pradesh	53	1264	45	791	48	465
18.	Maharashtra	183	2266	215	2333	199	2013
19.	Manipur	..	..	..	..	..	..
20.	Meghalaya	Nil	1	1	Nil	3	3
21.	Nagaland	Nil	Nil	Nil	Nil	Nil	Nil
22.	Odisha	60	418	78	335	58	104
23.	Pudduchery	10	45	8	30	3	25
24.	Punjab	22	198	34	142	29	103
25.	Rajasthan	59	531	34	699	55	706
26.	Tamil Nadu	117	624	110	314	109	415
27.	Tripura	Nil	1	2	5	2	4
28.	Uttar Pradesh	63	78	72	102	129	71
29.	Uttarakhand	19	78	23	76	11	48
30.	West Bengal	86	17364	62	18693	96	19250
Total		1433	28404	1383	28441	1417	26953

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.2-State-wise Status of Employment in Factories during 2012(P)

Sl. No.	State/ Union Territory	Registered Factories	Working Factories	Total Employment	Female Workers
1.	Andaman & Nicobar Islands	45	45	5642	232
2.	Andhra Pradesh	45641	45050	1040787	233711
3.	Assam	4877	3731	37082	3984
4.	Bihar	9071	8845	168451	96
5.	Chandigarh	827	433	7207	386
6.	Chhattisgarh	3482	3293	280682	9416
7.	Daman & Diu and Dadra & Nagar Haveli	5910	4360	174400	57550
8.	Delhi	12052	8538	376330	25033
9.	Goa	676	676	70131	12796
10.	Gujarat	38866	27757	1461433	46866
11.	Haryana	27977	27858	591978	48274
12.	Himachal Pradesh	4508	4508	291133	8373
13.	Jammu & Kashmir	1595	1156	56582	3746
14.	Jharkhand	12147	8050	285838	3114
15.	Karnataka	14783	14186	1441158	467205
16.	Kerala	20473	20473	644802	297603
17.	Madhya Pradesh	7767	7442	322740	..
18.	Maharashtra	45217	36660	2384008	357601
19.	Manipur	..	..	..	..
20.	Meghalaya	146	141	9592	514
21.	Nagaland	555	519	18344	1692
22.	Odisha	3602	2631	286610	9280
23.	Puducherry	2747	2030	83310	9840
24.	Punjab	17964	17658	614632	3421
25.	Rajasthan	12572	12555	469172	9890
26.	Tamil Nadu	39470	30786	1465034	484695
27.	Tripura	1540	1540	64253	9997
28.	Uttar Pradesh	..	..	..	..
29.	Uttarakhand	3196	3196	1208772	26170
30.	West Bengal	15978	15509	1050532	18910
Total		353684	309626	14910635	2150395

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.3- State-wise Hazardous Factories under Sec. 2(cb) as on 2012 (P)

Sl. No.	State/ Union Territory	No. of Hazardous Factories	No. of Workers
1.	Andaman & Nicobar Islands	2	177
2.	Andhra Pradesh	1433	135950
3.	Assam	178	15350
4.	Bihar	45	16157
5.	Chandigarh	0	0
6.	Chhattisgarh	639	154850
7.	Daman & Diu and Dadra & Nagar Haveli	48	1540
8.	Delhi	343	15118
9.	Goa	17	6316
10.	Gujarat	10121	329927
11.	Haryana	1145	35965
12.	Himachal Pradesh	83	13208
13.	Jammu & Kashmir	24	1713
14.	Jharkhand	284	91612
15.	Karnataka	1122	202244
16.	Kerala	771	24387
17.	Madhya Pradesh	1048	80224
18.	Maharashtra	4062	350609
19.	Manipur	..	..
20.	Meghalaya	75	6640
21.	Nagaland	0	0
22.	Odisha	433	178571
23.	Puducherry	202	17790
24.	Punjab	426	35518
25.	Rajasthan	1170	120390
26.	Tamil Nadu	1850	194846
27.	Tripura	19	1133
28.	Uttar Pradesh	..	..
29.	Uttarakhand	699	51984
30.	West Bengal	5363	297981
Total		31602	2380200

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.4- Inspectors of Factories for the year 2012 (P)

Sl. No.	State/ Union Territory	Sanctioned	In-position
1.	Andaman & Nicobar Islands	2	2
2.	Andhra Pradesh	76	61
3.	Assam	29	25
4.	Bihar	21	8
5.	Chandigarh	0	6
6.	Chhattisgarh	27	10
7.	Daman & Diu and Dadra & Nagar Haveli	1	1
8.	Delhi	15	11
9.	Goa	7	6
10.	Gujarat	124	80
11.	Haryana	38	37
12.	Himachal Pradesh	2	50
13.	Jammu & Kashmir	5	4
14.	Jharkhand	25	18
15.	Karnataka	61	50
16.	Kerala	56	57
17.	Madhya Pradesh	41	28
18.	Maharashtra	131	98
19.	Manipur	..	..
20.	Meghalaya	4	3
21.	Nagaland	3	3
22.	Odisha	34	27
23.	Puducherry	10	8
24.	Punjab	28	17
25.	Rajasthan	39	21
26.	Tamil Nadu	132	70
27.	Tripura	5	4
28.	Uttar Pradesh	..	..
29.	Uttarakhand	3	3
30.	West Bengal	72	45
Total		991	753

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.5-State-wise Specialist Inspectors of Factories for the year 2012 (P)

Sl. No.	State/ Union Territory	Medical Inspectors		Chemical Inspector		Hygiene Inspector		Others	
		Sanctioned	In-Position	Sanctioned	In-Position	Sanctioned	In-Position	Sanctioned	In-position
1.	Andaman & Nicobar Islands	0	0	0	0	0	0	0	0
2.	Andhra Pradesh	3	1	1	0	0	0	0	0
3.	Assam	1	0	0	0	0	0	0	0
4.	Bihar	2	1	2	0	0	0	0	0
5.	Chandigarh	0	0	0	0	0	0	0	0
6.	Chhattisgarh	1	0	0	0	0	0	0	0
7.	Daman & Diu and Dadra & Nagar Haveli	0	0	0	0	0	0	0	0
8.	Delhi	1	1	1	0	0	0	0	0
9.	Goa	1	1	0	0	0	0	0	0
10.	Gujarat	5	2	1	1	0	0	41	35
11.	Haryana	5	2	5	5	0	0	0	0
12.	Himachal Pradesh	0	0	1	0	0	0	0	0
13.	Jammu & Kashmir	0	0	0	0	0	0	0	0
14.	Jharkhand	0	0	0	0	0	0	0	0
15.	Karnataka	1	1	0	0	0	0	1	1
16.	Kerala	5	1	5	5	0	0	0	0
17.	Madhya Pradesh	1	0	0	0	0	0	0	0
18.	Maharashtra	2	0	0	0	0	0	0	0
19.	Manipur	..	..	..	..	..	..	..	..
20.	Meghalaya	0	0	0	0	0	0	0	0
21.	Nagaland	0	0	0	0	0	0	0	0
22.	Odisha	1	1	0	0	0	0	0	0
23.	Puducherry	1	1	1	0	0	0	1	1
24.	Punjab	3	2	2	2	0	0	0	0
25.	Rajasthan	1	1	3	2	1	1	2	0
26.	Tamil Nadu	1	0	0	0	0	0	0	0
27.	Tripura	0	0	0	0	0	0	0	0
28.	Uttar Pradesh	..	..	..	..	..	..	..	..
29.	Uttarakhand	0	0	0	0	0	0	0	0
30.	West Bengal	9	4	12	4	0	0	0	0
Total		44	19	34	19	1	1	45	37

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States / UTs.

Table 8.6- State-wise Certifying Surgeons of Factories for the year 2012 (P)

Sl. No.	State/ Union Territory	Employed		Notified	
		Sanctioned	In position	Sanctioned	In position
1.	Andaman & Nicobar Islands	0	0	4	4
2.	Andhra Pradesh	0	0	0	0
3.	Assam	3	0	0	0
4.	Bihar	0	0	0	0
5.	Chandigarh	0	0	0	0
6.	Chhattisgarh	0	0	0	0
7.	Daman & Diu and Dadra & Nagar Haveli	0	0	0	1
8.	Delhi	1	1	0	0
9.	Goa	0	0	0	0
10.	Gujarat	21	8	0	0
11.	Haryana	0	0	0	0
12.	Himachal Pradesh	0	0	0	12
13.	Jammu & Kashmir	0	0	0	0
14.	Jharkhand	0	0	0	0
15.	Karnataka	0	0	0	0
16.	Kerala	0	0	0	0
17.	Madhya Pradesh	0	0	0	0
18.	Maharashtra	1	1	0	0
19.	Manipur	..	..	..	..
20.	Meghalaya	0	0	0	0
21.	Nagaland	0	0	0	0
22.	Odisha	0	0	0	0
23.	Puducherry	1	1	0	0
24.	Punjab	3	2	0	0
25.	Rajasthan	1	1	0	0
26.	Tamil Nadu	8	6	8	6
27.	Tripura	0	0	13	13
28.	Uttar Pradesh	..	..	..	..
29.	Uttarakhand	0	0	0	0
30.	West Bengal	9	4	0	0
Total		48	24	25	36

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.7- No. of Factories Inspected during the year 2012 (P)

Sl. No.	State/ Union Territory	All Factories	Hazardous Factories
1.	Andaman & Nicobar Islands	19	2
2.	Andhra Pradesh	7967	425
3.	Assam	1154	0
4.	Bihar	1816	45
5.	Chandigarh	28	0
6.	Chhattisgarh	716	304
7.	Daman & Diu & Dadra & Nagar Haveli	190	23
8.	Delhi	2167	157
9.	Goa	211	13
10.	Gujarat	13916	2394
11.	Haryana	2720	240
12.	Himachal Pradesh	1093	83
13.	Jammu & Kashmir	1065	24
14.	Jharkhand	17282	38
15.	Karnataka	8176	993
16.	Kerala	14043	759
17.	Madhya Pradesh	3066	978
18.	Maharashtra	11873	2240
19.	Manipur	..	..
20.	Meghalaya	70	33
21.	Nagaland	152	0
22.	Odisha	2545	433
23.	Pudduchery	1066	150
24.	Punjab	1003	170
25.	Rajasthan	3051	0
26.	Tamil Nadu	25030	1965
27.	Tripura	1271	19
28.	Uttar Pradesh	..	..
29.	Uttarakhand	53	48
30.	West Bengal	4366	852
Total		126109	12388

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.8- Prosecution and Convictions under Section 92 & Section 96A for the year 2012 (P)

Sl. NO.	State/ Union Territory	Pending from Previous year	Launched during the year	Decided during the year	Convictions	Imprisonment (Person)	Total fine Imposed (Rs.)
1.	Andaman & Nicobar Islands	0	0	0	0	0	0
2.	Andhra Pradesh	4677	1211	1053	573	0	5595500
3.	Assam	12	19	0	0	0	0
4.	Bihar	65	16	0	15	0	0
5.	Chandigarh	0	0	0	0	0	0
6.	Chhattisgarh	1142	500	267	255	1	8877800
7.	Daman & Diu and Dadra & Nagar Haveli	0	0	0	0	0	0
8.	Delhi	554	100	421	421	0	3596000
9.	Goa	30	19	7	6	0	152500
10.	Gujarat	12642	1547	522	0	0	4652205
11.	Haryana	8784	7756	6007	4004	0	18705200
12.	Himachal Pradesh	177	88	57	57	0	655000
13.	Jammu & Kashmir	147	33	29	0	0	98000
14.	Jharkhand	187	31	0	0	0	0
15.	Karnataka	605	214	127	86	0	2653150
16.	Kerala	72	64	40	37	0	356000
17.	Madhya Pradesh	3281	165	269	0	1	3275700
18.	Maharashtra	1176	187	244	242	0	4903500
19.	Manipur	..	..	..	..	..	..
20.	Meghalaya	0	0	0	0	0	0
21.	Nagaland	0	0	0	0	0	0
22.	Odisha	1595	222	5	0	0	0
23.	Puducherry	2	12	6	6	0	256000
24.	Punjab	1170	91	140	3	1	1502000
25.	Rajasthan	932	77	18	18	0	113000
26.	Tamil Nadu	13193	4504	7855	7292	0	29384600
27.	Tripura	11	9	10	10	0	50000
28.	Uttar Pradesh	..	..	..	..	..	..
29.	Uttarakhand	98	30	5	0	0	215000
30.	West Bengal	579	114	43	43	0	853500
Total		51131	17009	17125	13068	3	85894655

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.9- State-wise Status of Safety Officers (SO) under 40-B (1) in factories during 2012(P)

Sl. No.	State/Union Territory	Factories Requiring SO	Factories who Appointed SO	SO Required	SO Appointed
1.	Andaman & Nicobar Islands	0	0	0	0
2.	Andhra Pradesh	123	100	123	100
3.	Assam	7	7	7	69
4.	Bihar	20	18	26	23
5.	Chandigarh	4	4	4	4
6.	Chhattisgarh	115	98	165	143
7.	Daman & Diu and Dadra & Nagar Haveli	23	26	34	34
8.	Delhi	9	4	9	4
9.	Goa	24	19	27	35
10.	Gujarat	335	342	394	424
11.	Haryana	97	94	106	100
12.	Himachal Pradesh	16	16	16	16
13.	Jammu & Kashmir	23	15	23	15
14.	Jharkhand	49	45	152	145
15.	Karnataka	167	141	205	181
16.	Kerala	50	48	51	48
17.	Madhya Pradesh	102	95	120	111
18.	Maharashtra	479	565	486	607
19.	Manipur	..	..	..	..
20.	Meghalaya	0	0	0	0
21.	Nagaland	0	0	0	0
22.	Odisha	84	77	271	236
23.	Puducherry	9	8	9	8
24.	Punjab	51	40	51	40
25.	Rajasthan	82	79	77	87
26.	Tamil Nadu	297	248	309	249
27.	Tripura	1	0	1	0
28.	Uttar Pradesh	..	..	..	..
29.	Uttarakhand	47	47	47	47
30.	West Bengal	252	254	278	172
Total		2466	2390	2991	2898

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.10- State-wise status of Declaration of Safety Policy for the year 2012 (P)

Sl. No.	State/ Union Territory	Factories Requiring	Factories Having
1.	Andaman & Nicobar Islands	0	0
2.	Andhra Pradesh	0	0
3.	Assam	12	12
4.	Bihar	5	5
5.	Chandigarh	2	2
6.	Chhattisgarh	736	676
7.	Daman & Diu and Dadra & Nagar Haveli	57	75
8.	Delhi	540	460
9.	Goa	115	124
10.	Gujarat	3743	3379
11.	Haryana	1742	1672
12.	Himachal Pradesh	83	83
13.	Jammu & Kashmir	26	26
14.	Jharkhand	83	89
15.	Karnataka	1153	1016
16.	Kerala	568	511
17.	Madhya Pradesh	1128	102
18.	Maharashtra	2810	2668
19.	Manipur	..	..
20.	Meghalaya	146	146
21.	Nagaland	0	0
22.	Odisha	718	662
23.	Pudduchery	27	27
24.	Punjab	634	504
25.	Rajasthan	165	153
26.	Tamil Nadu	746	598
27.	Tripura	0	0
28.	Uttar Pradesh	..	..
29.	Uttarakhand	628	518
30.	West Bengal	852	98
Total		16719	13606

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.11- State-wise Constitution of Safety Committee for the year 2012(P)

Sl. No.	State/ Union Territory	Factories Requiring Safety Committee	Factories Having Safety Committee
1.	Andaman & Nicobar Islands	0	0
2.	Andhra Pradesh	979	747
3.	Assam	12	12
4.	Bihar	5	5
5.	Chandigarh	2	2
6.	Chhattisgarh	538	478
7.	Daman & Diu and Dadra & Nagar Haveli	60	80
8.	Delhi	120	98
9.	Goa	96	131
10.	Gujarat	3320	3052
11.	Haryana	1006	897
12.	Himachal Pradesh	83	83
13.	Jammu & Kashmir	26	26
14.	Jharkhand	95	84
15.	Karnataka	1053	1002
16.	Kerala	325	257
17.	Madhya Pradesh	677	658
18.	Maharashtra	1709	1260
19.	Manipur	..	..
20.	Meghalaya	75	20
21.	Nagaland	0	0
22.	Odisha	155	155
23.	Puducherry	29	29
24.	Punjab	244	219
25.	Rajasthan	161	152
26.	Tamil Nadu	1893	1786
27.	Tripura	19	1
28.	Uttar Pradesh	..	..
29.	Uttarakhand	628	518
30.	West Bengal	852	98
Total		14162	11850

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.12- State-wise On-site Emergency Plan (in respect of MAH Units) as on 2012(P)

Sl. No.	State/ Union Territory	Factories Requiring On-site Emergency Plan	Factories Having On-site Emergency Plan
1.	Andaman & Nicobar Islands	3	3
2.	Andhra Pradesh	158	155
3.	Assam	12	12
4.	Bihar	0	0
5.	Chandigarh	0	0
6.	Chhattisgarh	14	14
7.	Daman & Diu and Dadra & Nagar Haveli	0	20
8.	Delhi	17	17
9.	Goa	17	17
10.	Gujarat	393	393
11.	Haryana	76	68
12.	Himachal Pradesh	8	8
13.	Jammu & Kashmir	5	11
14.	Jharkhand	9	9
15.	Karnataka	228	236
16.	Kerala	41	41
17.	Madhya Pradesh	72	72
18.	Maharashtra	379	345
19.	Manipur	..	..
20.	Meghalaya	1	1
21.	Nagaland	0	0
22.	Odisha	24	24
23.	Puducherry	3	3
24.	Punjab	28	28
25.	Rajasthan	77	77
26.	Tamil Nadu	112	91
27.	Tripura	2	2
28.	Uttar Pradesh	..	..
29.	Uttarakhand	40	40
30.	West Bengal	85	85
Total		1804	1772

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.13- State-wise Medical Facilities in factories for the year 2012(P)

Sl. No.	State/Union Territory	Full time MO		Retainership or part-time MO		Factories having Ambulance Van		Factories having Ambulance Rooms	
		Req.	App.	Req.	App.	Req.	App.	Req.	App.
1.	Andaman & Nicobar Islands	1	0	0	0	2	2	2	2
2.	Andhra Pradesh`	244	206	0	0	0	0	201	171
3.	Assam	0	0	0	0	0	0	53	0
4.	Bihar	15	14	0	0	15	15	15	15
5.	Chandigarh	1	1	0	0	1	1	1	1
6.	Chhattisgarh	147	107	257	170	200	162	140	104
7.	Daman & Diu and Dadra & Nagar Haveli	1	1	0	60	0	20	0	25
8.	Delhi	14	14	304	201	64	31	26	20
9.	Goa	28	31	34	62	9	43	9	26
10.	Gujarat	291	188	3394	2918	513	391	505	426
11.	Haryana	75	62	87	83	111	101	104	94
12.	Himachal Pradesh	282	282	1971	1971	188	188	188	188
13.	Jammu & Kashmir	9	12	0	0	9	12	9	10
14.	Jharkhand	87	82	38	31	58	58	47	45
15.	Karnataka	313	265	185	166	316	262	336	333
16.	Kerala	46	40	60	64	46	61	67	60
17.	Madhya Pradesh	134	129	281	277	114	109	137	132
18.	Maharashtra	458	421	661	542	402	368	408	375
19.	Manipur	..	..	..	..	..	..	..	..
20.	Meghalaya	11	4	135	27	16	2	1	1
21.	Nagaland	0	0	0	0	0	0	0	0
22.	Odisha	93	83	70	69	90	90	90	90
23.	Puducherry	10	8	28	22	9	9	9	9
24.	Punjab	0	0	0	0	0	0	116	94
25.	Rajasthan	81	73	49	50	116	95	132	123
26.	Tamil Nadu	109	95	150	128	166	157	295	294
27.	Tripura	1	1	1	1	0	0	1	1
28.	Uttar Pradesh	..	..	..	..	..	..	..	..
29.	Uttarakhand	48	43	168	168	29	32	49	37
30.	West Bengal	292	91	15	15	303	68	303	153
Total		2791	2253	7888	7025	2777	2277	3244	2829

Note: There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim

P : Provisional. .. : Not Available

Req. : Required **App. :** Appointed

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/UTs.

Table 8.14- State-wise Canteens, Shelters, Rest Rooms and Creches for the year 2012 (P)

Sl. No.	State/ Union Territory	Canteen		Shelter, Rest Room, Lunch Room		Creches	
		Factories Requiring	Factories Having	Factories Requiring	Factories Having	Factories Requiring	Factories Having
1.	Andaman & Nicobar Islands	3	3	8	8	0	0
2.	Andhra Pradesh	454	385	639	522	451	379
3.	Assam	12	75	44	78	19	30
4.	Bihar	29	31	29	29	0	0
5.	Chandigarh	0	5	0	5	0	0
6.	Chhattisgarh	160	147	458	398	72	53
7.	Daman & Diu and Dadra & Nagar Haveli	74	89	128	152	99	99
8.	Delhi	83	65	140	75	30	15
9.	Goa	38	35	64	74	40	24
10.	Gujarat	475	467	903	883	196	182
11.	Haryana	380	323	723	619	29	66
12.	Himachal Pradesh	308	308	85	85	45	45
13.	Jammu & Kashmir	41	40	62	61	2	2
14.	Jharkhand	85	55	100	82	10	19
15.	Karnataka	645	589	748	721	1225	1037
16.	Kerala	529	468	1153	1137	648	619
17.	Madhya Pradesh	226	207	480	472	59	56
18.	Maharashtra	1019	960	1468	1486	411	340
19.	Manipur	..	..	..	..	..	..
20.	Meghalaya	25	25	25	25	7	2
21.	Nagaland	1	1	0	0	0	0
22.	Odisha	155	155	202	190	81	49
23.	Puducherry	32	27	53	40	5	4
24.	Punjab	330	305	466	436	42	39
25.	Rajasthan	343	329	542	533	37	37
26.	Tamil Nadu	1230	1195	2810	2740	2643	2437
27.	Tripura	3	2	3	2	1	0
28.	Uttar Pradesh	..	..	..	..	..	..
29.	Uttarakhand	188	188	321	321	111	104
30.	West Bengal	465	204	679	269	34	18
Total		7333	6683	12333	11443	6297	5656

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.15- State-wise Welfare Officers for the year 2012(P)

Sl. No.	State/ Union Territory	Factories Requiring	Factories Having	Officers Required	Officers Appointed
1.	Andaman & Nicobar Islands	2	1	2	1
2.	Andhra Pradesh	196	163	196	163
3.	Assam	30	95	29	162
4.	Bihar	26	26	26	25
5.	Chandigarh	4	4	4	4
6.	Chhattisgarh	119	108	130	119
7.	Daman & Diu and Dadra & Nagar Haveli	42	42	72	72
8.	Delhi	25	25	26	25
9.	Goa	19	16	19	16
10.	Gujarat	296	273	310	283
11.	Haryana	144	134	254	141
12.	Himachal Pradesh	77	77	77	77
13.	Jammu & Kashmir	14	13	4	4
14.	Jharkhand	92	56	81	70
15.	Karnataka	330	326	371	371
16.	Kerala	52	55	53	60
17.	Madhya Pradesh	131	127	151	150
18.	Maharashtra	340	583	536	560
19.	Manipur	..	..	..	..
20.	Meghalaya	1	1	1	1
21.	Nagaland	0	0	0	0
22.	Odisha	90	90	128	128
23.	Puducherry	10	7	10	7
24.	Punjab	102	80	102	80
25.	Rajasthan	168	147	159	150
26.	Tamil Nadu	425	359	410	362
27.	Tripura	1	1	1	1
28.	Uttar Pradesh	..	..	..	..
29.	Uttarakhand	70	60	64	64
30.	West Bengal	324	201	324	201
Total		3130	3070	3540	3297

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.16- Notification of Model Rules framed under the Factories (Amendment) Act, 1987

Sl. No.	State/ Union Territory	Model Rules
1.	Andaman & Nicobar Islands	No hazardous unit, hence Rules Not applicable
2.	Andhra Pradesh	Notified
3.	Assam	Notified
4.	Bihar	Notified
5.	Chandigarh	Notified in Punjab Factories Rules
6.	Chhattisgarh	Under Progress
7.	Daman, Diu, Dadra & Nagar Haveli	Under process
8.	National Capital Territory of Delhi	Notified
9.	Goa	Notified
10.	Gujarat	Notified
11.	Haryana	Notified
12.	Himachal Pradesh	Not Notified
13.	Jammu & Kashmir	Not Notified
14.	Jharkhand	Notified
15.	Karnataka	Notified
16.	Kerala	Notified
17.	Madhya Pradesh	Notified
18.	Maharashtra	Notified
19.	Manipur	Draft submitted for Govt. approval
20.	Meghalaya	Notified
21.	Nagaland	Draft submitted for Govt. approval
22.	Orissa	Notified
23.	Pondicherry	Notified
24.	Punjab	Notified
25.	Rajasthan	Notified
26.	Tamil Nadu	Notified
27.	Tripura	Notified
28.	Uttar Pradesh	Notified
29.	Uttaranchal	Not Notified
30.	West Bengal	Notified

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

Table 8.17- Notification of Major Accidents Hazard Control Rules

Sl. No.	State/ Union Territory	MAHC Rules, 1997
1.	Andaman & Nicobar Islands	No hazardous unit, hence Rules Not applicable
2.	Andhra Pradesh	Notified
3.	Assam	Notified
4.	Bihar	Notified
5.	Chandigarh	Notified
6.	Chhattisgarh	..
7.	Daman, Diu, Dadra & Nagar Haveli	Notified
8.	National Capital Territory of Delhi	Notified
9.	Goa	Notified
10.	Gujarat	Notified
11.	Haryana	Notified
12.	Himachal Pradesh	Not Notified
13.	Jammu & Kashmir	Not Notified
14.	Jharkhand	Notified
15.	Karnataka	Notified
16.	Kerala	Notified
17.	Madhya Pradesh	Notified
18.	Maharashtra	Notified
19.	Manipur	Draft Rules submitted for approval of state Govt.
20.	Meghalaya	Notified
21.	Nagaland	Not Notified
22.	Orissa	Notified
23.	Pondicherry	Draft notification under consideration of Govt.
24.	Punjab	Notified
25.	Rajasthan	Notified
26.	Tamil Nadu	Notified
27.	Tripura	Notified
28.	Uttar Pradesh	Notified
29.	Uttaranchal	Notified
30.	West Bengal	Draft sent for notification

Note: (i) There are no registered factories in Arunachal Pradesh, Lakshadweep, Mizoram and Sikkim.

(ii) P : Provisional

(iii) .. : Not Available

Source: Data collected by DGFASLI through correspondence with Chief Inspector of Factories of States/ UTs.

9

Statistics on Occupational Safety & Health in Ports

DGFASLI is enforcing the Dock Workers (Safety, Health & Welfare) Act, 1986 and Regulations 1990 in all the major ports of the country. The Inspectorate of Dock Safety offices located in the major ports enforce the Act and Regulations. Under Regulations 91(1) & (6) it is obligatory on the part of the Employers of the Dock Workers to report the accidents/ dangerous occurrences to the Inspectorates.

Here we are presenting some important Statistics on Occupational Safety & Health in the major Ports of the country for the Year 2013.

Table 9.1- Reportable Accidents & Dangerous Occurrences in major Ports during the Year 2013

Sl. No.	Port	Fatal	Total	Dangerous Occurrences
1.	Mumbai	2	20	1
2.	JNPT	Nil	8	3
3.	Kandla	2	2	Nil
4.	Mormugao	Nil	2	2
5.	Kolkata	5	19	1
6.	Paradip	1	2	Nil
7.	Vishakhapatnam	2	2	Nil
8.	Chennai	2	4	Nil
9.	Kochi	1	6	Nil
10.	New Mangalore	1	2	Nil
11.	Tuticorin	2*	4	Nil
Total		18	71	7

**2 Accidents in which 3 fatalities.*

Chart 9.1- Trend of Reportable Accidents in Major Port during 2002-2013

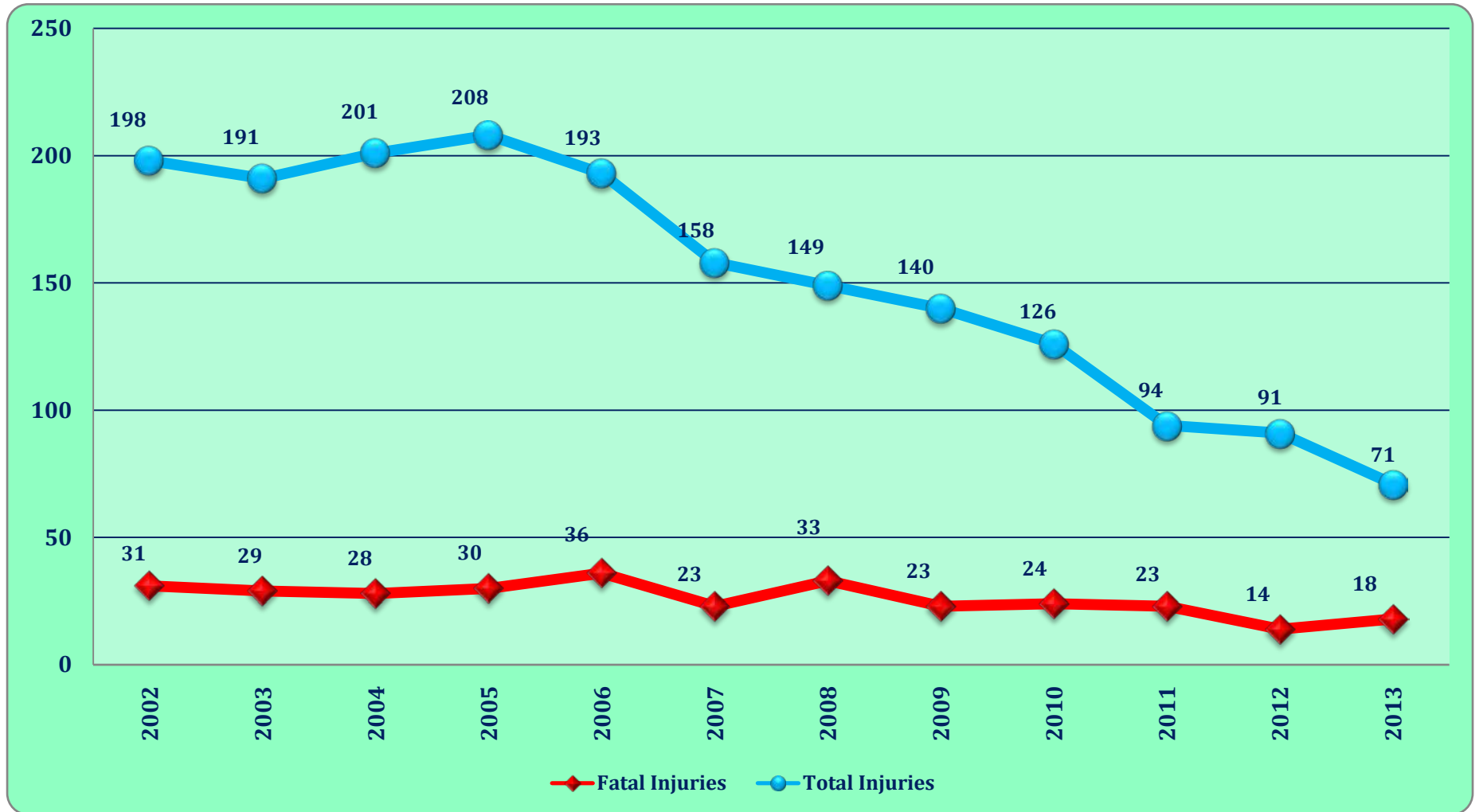


Table 9.2-Statistics of Employment & Rates of Reportable Accidents in major Ports during the year 2013

Sl. No.	Port	Avg. Daily Employment	*Frequency Rate		*Incidence Rate of injuries per Thousand	
			Fatal	Total	Fatal	Total
1.	Mumbai	1452	0.56	5.64	1.38	13.77
2.	JNPT	6099	0.00	0.45	0.00	1.31
3.	Kandla	4030	0.17	0.17	0.49	0.49
4.	Mormugao	578	0.00	2.24	0.00	3.46
5.	Kolkata	8418	0.21	0.78	0.59	2.26
6.	Paradip	321	1.08	2.15	3.12	6.23
7.	Vishakhapatnam	2165	2.55	2.55	0.92	0.92
8.	Chennai	1100	0.63	1.25	1.82	3.63
9.	Kochi	285	1.20	7.20	3.50	21.04
10.	New Mangalore	64	1.00	3.68	1.00	0.03
11.	Tuticorin	384	1.80	3.60	5.20	10.40

* Formula (As per IS: 3786 of 1983)

Frequency Rate = No. of Reportable Accidents X 1,000,000/Man-hours Worked#.

Incidence Rate = No. of Reportable Accidents X 1000/ Avg. No. of Persons Employed.

Man-hours worked are calculated on the basis of 362 working days in a year

Table 9.3-Classification of Reportable Accidents in major Ports - According to Agency for the Year-2013

AGENCY	Mumbai	JNPT	Kandla	Mormugao	Kolkata	Paradip	Vishakha-pattanam	Chennai	Kochi	New Mangalore	Tuticorin	Total
I. Lifting appliances	Nil	1	Nil	Nil	1	Nil	1(1)	Nil	Nil	Nil	Nil	3(1)
II. Loose gear & Ropes	5	1	Nil	Nil	Nil	1	1(1)	Nil	Nil	Nil	1	9(1)
III. Unitised & Break bulk cargo	6	Nil	Nil	Nil	4	Nil	Nil	Nil	5(1)	2(1)	Nil	17(2)
IV. Bulk cargo	Nil	Nil	Nil	Nil	2	Nil	Nil	Nil	Nil	Nil	Nil	2
V. Electrical equipment	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
VI. Tools & Implements	Nil	Nil	Nil	Nil	2	Nil	Nil	Nil	Nil	Nil	Nil	2
VII. Means of Access	3	Nil	1(1)	Nil	1	Nil	Nil	Nil	1	Nil	Nil	6(1)
VIII. Means of Transportat-ion	5(2)	5	1(1)	2	7(4)	1(1)	Nil	4(2)	Nil	Nil	2	27(10)
IX. Other agencies	1	1	Nil	Nil	2(1)	Nil	Nil	Nil	Nil	Nil	1(1*)	5(2)
TOTAL	20(2)	8	2(2)	2	19(5)	2(1)	2(2)	4(2)	6(1)	2(1)	4(2)	71(18)

Note: Figures in brackets indicate Fatal Accidents.

***One reportable fatal Accident - 2 Fatalities**

Chart 9.2- Reportable Accidents in Major Ports - According to Agency for the Year 2013

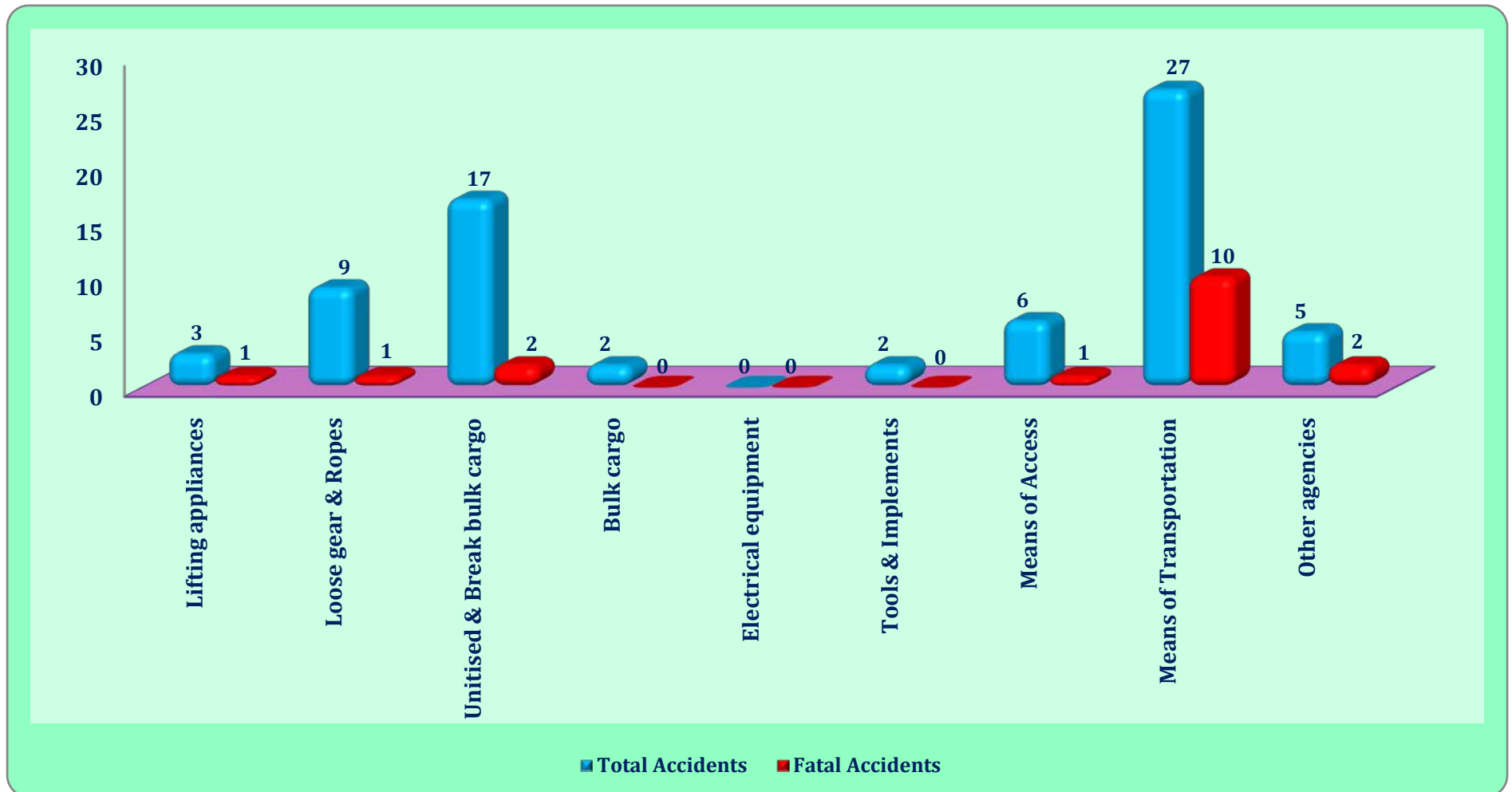


Table 9.4- Classification of Reportable Accidents in major Ports - According to Type for the Year-2013

TYPE	Mumbai	JNPT	Kandla	Mormugao	Kolkata	Paradip	Vishakha pattanam	Chennai	Kochi	New Mangalore	Tuticorin	Total
i. Fall of persons	4	1	1(1)	Nil	6(3)	Nil	1(1)	Nil	2	1	1(1)	17(6)
ii. Fall of objects	5	Nil	Nil	Nil	5	Nil	Nil	Nil	3(1)	Nil	Nil	13(1)
iii. Stepping on, striking against or struck by objects excluding falling objects.	11(2)	6	1(1)	2	2	2(1)	1(1)	4(2)	1	1(1)	2	33(8)
iv. Caught in or between	Nil	1	Nil	Nil	3(2)	Nil	Nil	Nil	Nil	Nil	Nil	4(2)
v. Over exertion or wrong movement	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
vi. Exposure to or contact with extreme temperature	Nil	Nil	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	01
vii. Exposure to or contact with electric current	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
viii. Exposure to or contact with dangerous goods	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
ix. Explosion	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
x. Others	Nil	Nil	Nil	Nil	2	Nil	Nil	Nil	Nil	Nil	1(1*)	3(1)
TOTAL	20(2)	8	2(2)	2	19(5)	2(1)	2(2)	4(2)	6(1)	2(1)	4(2)	71(18)

Note: Figures in brackets indicate Fatal Accidents.

*One reportable fatal Accident - 2 Fatalities

Chart 9.3: Reportable Accidents in Major Ports- According to Type of Accident for the Year 2013

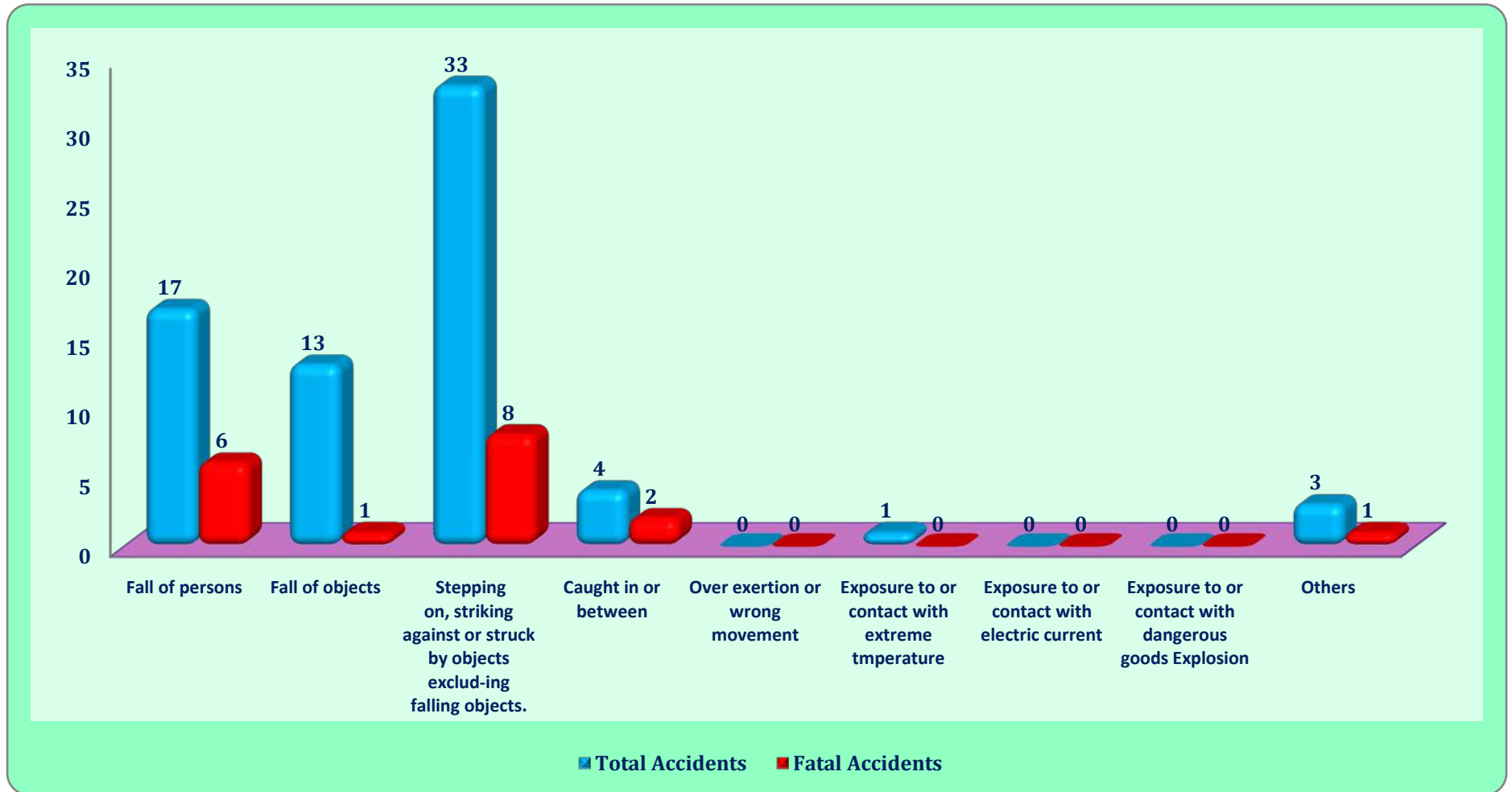


Table 9.5- Details of Inspections and other visits in Major Ports during the Year 2013

Sl. No.	Port	Ship	Docks	Gear	Isolated Storage/Pipelines	Other Visits
1.	Mumbai	156	26	156	01	213
2.	JNPT	36	29	Nil	01	40
3.	Kandla	99	40	127	Nil	76
4.	Mormugao	67	48	60	02	48
5.	Kolkata	137	72	73	04	103
6.	Paradip	68	23	68	10	51
7.	Vishakhapattanam	77	09	77	04	78
8.	Chennai	174	146	174	04	203
9.	Kochi	24	67	25	Nil	38
10.	N. Mangalore	101	14	101	02	441
11.	Tuticorin	170	33	124	04	10
Total		1109	507	985	32	1301

Table 9.6- Details of Prosecution in Major Ports during the Year 2013

Sl. No.	Port	Pending From Previous Year	Launched during the year	Decided during the year	Convicted
1.	Mumbai	01*	Nil	Nil	Nil
2.	JNPT	Nil	Nil	Nil	Nil
3.	Kandla	10	Nil	Nil	Nil
4.	Mormugao	Nil	Nil	Nil	Nil
5.	Kolkata	03	01	Nil	Nil
6.	Paradip	02	Nil	Nil	Nil
7.	Vishakhapattanam	05	Nil	Nil	Nil
8.	Chennai	06	Nil	Nil	Nil
9.	Kochi	01	01	01	01
10.	New Mangalore	Nil	Nil	Nil	Nil
11.	Tuticorin	Nil	02	02	02
Total		28	04	03	03

*Court Case against Shri A. B. A. Dubhash & Others before the High Court of Judicature at Bombay in respect of Criminal Appeal no. 100/1997 against the order of acquittal dated 27/04/1995 passed by the H'ble Addl. CMM 38th Court 1/c. Ballard Pier, Mumbai in criminal case no. 3/5/91 has been restored.

Table 9.7- Investigation into Reportable Fatal Accidents/Dangerous Occurrences in 2013

Sl. No.	Port	Pending from Previous Year	Initiated during the year	Concluded during the year
1.	Mumbai	01	02	01
2.	JNPT	Nil	Nil	Nil
3.	Kandla	03	06	06
4.	Mormugao	Nil	02	01
5.	Kolkata	Nil	05	01
6.	Paradip	Nil	01	Nil
7.	Vishakhapattanam	Nil	02	Nil
8.	Chennai	05	02	02
9.	Kochi	01	01	02
10.	New Mangalore	Nil	01	Nil
11.	Tuticorin	Nil	02	Nil
Total		10	24	13

Table 9.8- Dock Safety Committee Meetings conducted/Safety Weeks celebrated in 2013

Sl. No.	Port	Committee Meeting	Safety Weeks
1.	Mumbai	04	01
2.	JNPT	04	01
3.	Kandla	04	Nil
4.	Mormugao	01	Nil
5.	Kolkata	06	02
6.	Paradip	02	Nil
7.	Vishakhapattanam	03	01
8.	Chennai	03	Nil
9.	Kochi	04	01
10.	N. Mangalore	03	01
11.	Tuticorin	04	01
Total		38	08

Table 9.9- Total Number of Ships Called in the Major Ports during 2012 and 2013

Sl. No.	Port	Total Nos. of Ships Called			
		Oil Tankers		Others	
		2012	2013	2012	2013
1.	Mumbai	1124	1076	971	3723
2.	JNPT	456	483	2181	3237
3.	Kandla	866	829	1374	1011
4.	Mormugao	140	110	702	267
5.	Kolkata	1085	1073	2024	2145
6.	Paradip	304	326	954	1108
7.	Vishakhapatnam	544	589	1926	1452
8.	Chennai	313	254	1625	1584
9.	Kochi	356	373	1035	1021
10.	New Mangalore	675	511	415	561
11.	Tuticorin	225	192	1142	974
Total		6088	5816	14349	17083

Table 9.10- Cargo Handled in Major Ports during 2012 and 2013

Sl. No.	Port	Cargo Handled					
		Container in TUE's		POL (Tons)		Others (Tons)	
		2012	2013	2012	2013	2012	2013
1.	Mumbai	58196	41549	35254047	35099042	24806245	22492325
2.	JNPT	4246768	4123299	3887230	17842790	2544540	787241
3.	Kandla	2090000	63452	9910000	8948000	28750000	28640000
4.	Mormugao	22109	18862	938535	565528	24590111	10762644
5.	Kolkata	741712	596484	7108	7388	31517	32756
6.	Paradip	12716	9264	16366806	17862967	38135813	48504058
7.	Vishakhapatnam	113920	95401	2262024	2261716	63120000	58230000
8.	Chennai	1548797	1487570	13412572	13173234	40167528	38431563
9.	Kochi	328736	343931	14169953	14248374	5946270	6300319
10.	N. Mangalore	45219	50232	24190000	25020000	11550000	14304000
11.	Tuticorin	473641	463963	805204	563593	27398976	27968766
Total		9681814	7294007	121203479	135592632	267041000	256453672

Table 9.11- Safety Facilities in Major Ports during 2013

Sl. No.	Port	Safety Facilities		
		No. of Safety Officers	No. of Visits to Safety Exhibition Centers	No. of Competent persons
1.	Mumbai	03	Nil	39
2.	JNPT	10	01	12
3.	Kandla	01	Nil	06
4.	Mormugao	01	Nil	03
5.	Kolkata	02	Nil	22
6.	Paradip	01	Nil	04
7.	Vishakhapatnam	01	Nil	13
8.	Chennai	01	Nil	08
9.	Kochi	01	Nil	04
10.	New Mangalore	01	Nil	04
11.	Tuticorin	02	Nil	07
Total		24	01	122

Table 9.12- Health Facilities in Major Ports during 2013

Sl. No.	Port	Health Facilities			
		OSH Centers	Ambulance Rooms	First Aid Centers	Empanelled Doctors
1.	Mumbai	01	02	102	05
2.	JNPT	02	02	36	12
3.	Kandla	Nil	04	01	25
4.	Mormugao	01	01	01	01
5.	Kolkata	02	04	16	01
6.	Paradip	01	02	03	Nil
7.	Vishakhapatnam	Nil	01	01	03
8.	Chennai	01	02	05	01
9.	Kochi	01	01	04	02
10.	New Mangalore	01	01	03	02
11.	Tuticorin	Nil	03	03	Nil
Total		10	23	175	52

Table 9.13 Welfare Facilities in Major Ports during 2013

Sl. No.	Port	Welfare Facilities				
		No. of Welfare Officers	Canteens	Drinking Water	Washing	Urinals
1.	Mumbai	04	16	10	112	548
2.	JNPT	05	04	53	84	217
3.	Kandla	01	02	08	32	32
4.	Mormugao	01	07	09	06	15
5.	Kolkata	02	14	231	194	200
6.	Paradip	01	04	28	08	20
7.	Vishakhapattanam	01	02	05	05	10
8.	Chennai	05	12	171	50	50
9.	Kochi	01	04	17	19	47
10.	New Mangalore	00	03	07	08	13
11.	Tuticorin	00	06	07	05	10
Total		21	74	546	523	1162

ANNEXURE- I

Unit Level Consultancy Studies - 2013

Sl. No.	Area / Topic	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS, Offices	
		Completed	Under Progress	Completed	Under Progress	Completed	Under Progress	Completed	Under Progress	Completed	Under Progress	Completed	Under Progress
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1.	Safety Audit	5	-	3	3	6	3	-	-	3	-	-	-
2.	Environmental Monitoring study	1	-	-	-	-	-	-	-	-	-	-	-
3.	Industrial Hygiene Study	-	-	-	-	2	-	-	-	1	-	-	-
4.	Risk Analysis study	-	-	-	-	1	-	-	-	-	-	-	-
5.	HAZOP study	1	-	-	-	2	-	-	-	-	-	-	-
6.	Noise Study	1	-	-	-	-	-	-	-	-	-	-	-
7.	Ventilation Study	2	-	-	-	-	-	-	-	-	-	-	-
8.	Illumination Level study	-	-	-	-	-	-	-	-	-	-	4	-
9.	Testing Quality Compressor Breathing Air	4	-	-	-	-	-	-	-	-	-	-	-
10.	Assessment of Asbestos Fibres	1	-	-	-	-	-	-	-	-	-	-	-
11.	Evaluation of Asbestos Fibre levels	-	-	-	-	1	-	-	-	-	-	-	-
12.	Safety Survey	-	-	-	-	1	-	-	-	-	-	-	-
13.	Heat Stress study	-	-	-	-	1	-	-	-	-	-	-	-
14.	Occupational Health Audit	1	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Area / Topic	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS, Offices	
		Completed	Under Progress	Completed	Under Progress	Completed	Under Progress	Completed	Under Progress	Completed	Under Progress	Completed	Under Progress
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
15.	Quantitative Risk Assessment	-	-	-	-	1	-	-	-	-	-	-	-
16.	Workplace Environment Air Monitoring	4	-	-	-	-	-	-	-	-	-	-	-
17.	Onsite Emergency Plan Study	-	-	-	-	1	-	-	-	-	-	-	-
18.	MCLS Study	-	1	-	-	-	-	-	-	-	-	-	-
19.	Assessment of Airborne Contaminants in Work Environment	-	1	-	-	-	-	-	-	-	-	-	-
20.	Assessment of Airborne Contaminants	-	2	-	-	-	-	-	-	-	-	-	-
21.	Evaluation of airborne Chemical contaminants at workplace	-	1	-	-	-	-	-	-	-	-	-	-
Total		20	05	03	03	16	03	-	-	04	-	04	-

ANNEXURE- II

3 or More Days Duration Training Programmes - 2013

Programme / Area	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS, Offices	
	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants
A. Professional Programmes												
a) ADIS	1	18(13)	1	39(8)	1	49(47)	1	46(41)	1	48(34)	-	-
b) AFIH	1	50(50)	-	-	-	-	-	-	-	-	-	-
c) One-month Certificate Course for Supervisory Personnel in hazardous processes factories	1	13(11)	-	-	-	-	1	18(12)	-	-	-	-
B. Specialised Training Programmes												
I. Programme for Inspectors of Factories												
a) Basic course	1	15(6)	-	-	-	-	-	-	-	-	-	-
b) Refresher course	-	-	-	-	-	-	1	10(7)	-	-	-	-
c) Chemical Safety	-	-	1	4(2)	-	-	-	-	1	1(1)	-	-
II. Programme for Management Personnel												
a) Certificate Course on Occupational Safety (in association with Madras Management Association)	-	-	-	-	1	24 (19)	-	-	-	-	-	-
b) Specialised Training Programme on Analysis of Silica	2	8 (2)	-	-	-	-	-	-	-	-	-	-
c) Selection & Quality Assurance for Effective Use of PPE	1	7 (2)	-	-	-	-	-	-	-	-	-	-

Programme / Area	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS, Offices	
	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants
d) Management of Safety, Health & Environment in Industries	-	-	-	-	-	-	-	-	1	17 (5)	-	-
e) Safety & Health Awareness programme for members of Safety Committee	-	-	1	17 (5)	-	-	-	-	-	-	-	-
f) Safe Handling of Chemical for Safety Committee Members	2	13 (8)	-	-	-	-	-	-	1	2 (2)	-	-
g) Workshop on Industrial Ventilation	1	6 (4)	-	-	-	-	-	-	-	-	-	-
h) 2nd All India Conference on OSH Professional on the Theme "Building & maintaining OSH Culture"	-	-	-	-	1	235 (140)	-	-	-	-	-	-
i) Management of Physical Hazards and Hazardous Wastes in Industries	-	-	1	27 (10)	-	-	-	-	-	-	-	-
j) Industrial Safety	3	57 (37)	-	-	-	-	-	-	-	-	-	-
k) Safety in Material Handling and Storage	-	-	-	-	-	-	-	-	1	19 (10)	-	-
l) Safety and Fire Fighting Management in Industries	-	-	1	19 (17)	-	-	-	-	-	-	-	-
m) Safety, Health & Environment at Workplace	-	-	3	69 (35)	-	-	-	-	-	-	-	-
n) Safety in Engineering Industry	-	-	-	-	-	-	-	-	1	22 (10)	-	-

Programme / Area	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS, Offices	
	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants
o) Workshop on Industrial Noise and Vibration	2	11 (9)	-	-	-	-	-	-	-	-	-	-
p) Industrial Physiology	1	14 (12)	-	-	-	-	-	-	-	-	-	-
q) MAHC	2	35 (11)	-	-	-	-	-	-	-	-	-	-
r) Hazardous Substances	2	31 (17)	1	9 (6)	2	26 (11)	-	-	-	-	-	-
s) Construction Safety	-	-	3	35 (28)	1	20 (11)	-	-	-	-	1	22 (1)
t) Environmental Pollutants	2	24 (17)	-	-	-	-	-	-	-	-	-	-
u) Industrial Productivity	3	49 (19)	-	-	-	-	-	-	-	-	-	-
III. Programme for Factory Supervisors												
a) Safety & Health	-	-	1	16 (9)	-	-	-	-	-	-	-	-
b) Training on Safety & Law	-	-	-	-	-	-	1	14 (2)	-	-	-	-
c) Industrial Productivity	1	18 (7)	-	-	-	-	-	-	-	-	-	-
IV. Programme for Trade Union Leaders/workers/ Joint Participation												
a) Safety Training	-	-	-	-	-	-	-	-	-	-	1	26 (1)
b) Chemical Safety	-	-	-	-	-	-	1	19 (6)	-	-	-	-
c) Industrial Safety & Health	-	-	-	-	-	-	1	27 (9)	-	-	-	-
d) Industrial Productivity	2	46 (8)	-	-	-	-	-	-	-	-	-	-
e) Safety, Health & Environment	-	-	1	22 (6)	-	-	-	-	-	-	-	-
V. Programme for Educational Institutions												
a) Industrial Safety	-	-	2	50 (2)	-	-	-	-	-	-	-	-
b) Industrial Health	2	79 (67)	1	21 (15)	-	-	-	-	-	-	-	-
VI. Programme for Dock Safety Inspectors												
a) Induction programme for newly joined Dock Safety Inspections	-	-	-	-	-	-	-	-	-	-	1	7 (7)
Total	30	494(300)	17	328(143)	6	354(228)	6	134(77)	6	109(62)	3	55(9)

Note: Figures in bracket indicate number of organisations.

ANNEXURE- III

In- Company Training Programmes - 2013

Programme / Area	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad	
	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes
I. Programme for Management Personnel										
a) Industrial Safety	9	254 (9)	-	-	-	-	-	-	-	-
b) HAZOP	-	-	-	-	1	30 (1)	-	-	-	-
c) Industrial Hygiene	-	-	-	-	1	25 (1)	-	-	-	-
d) Occupational Health	-	-	-	-	1	40 (1)	-	-	-	-
e) HSE Awareness for the officials of EIL	-	-	-	-	-	-	2	35 (2)	-	-
II. Programme for Factory Supervisor										
a) Industrial Safety	1	20 (20)	-	-	1	45 (1)	-	-	-	-
III. Programme for Factory Medical Officers										
a) Occupational Health & Safety	1	10 (1)	-	-	-	-	-	-	-	-
Total	11	284 (30)	-	-	4	140 (4)	2	35 (2)	-	-

Note: Figures in bracket indicate number of organisations.

ANNEXURE- IV

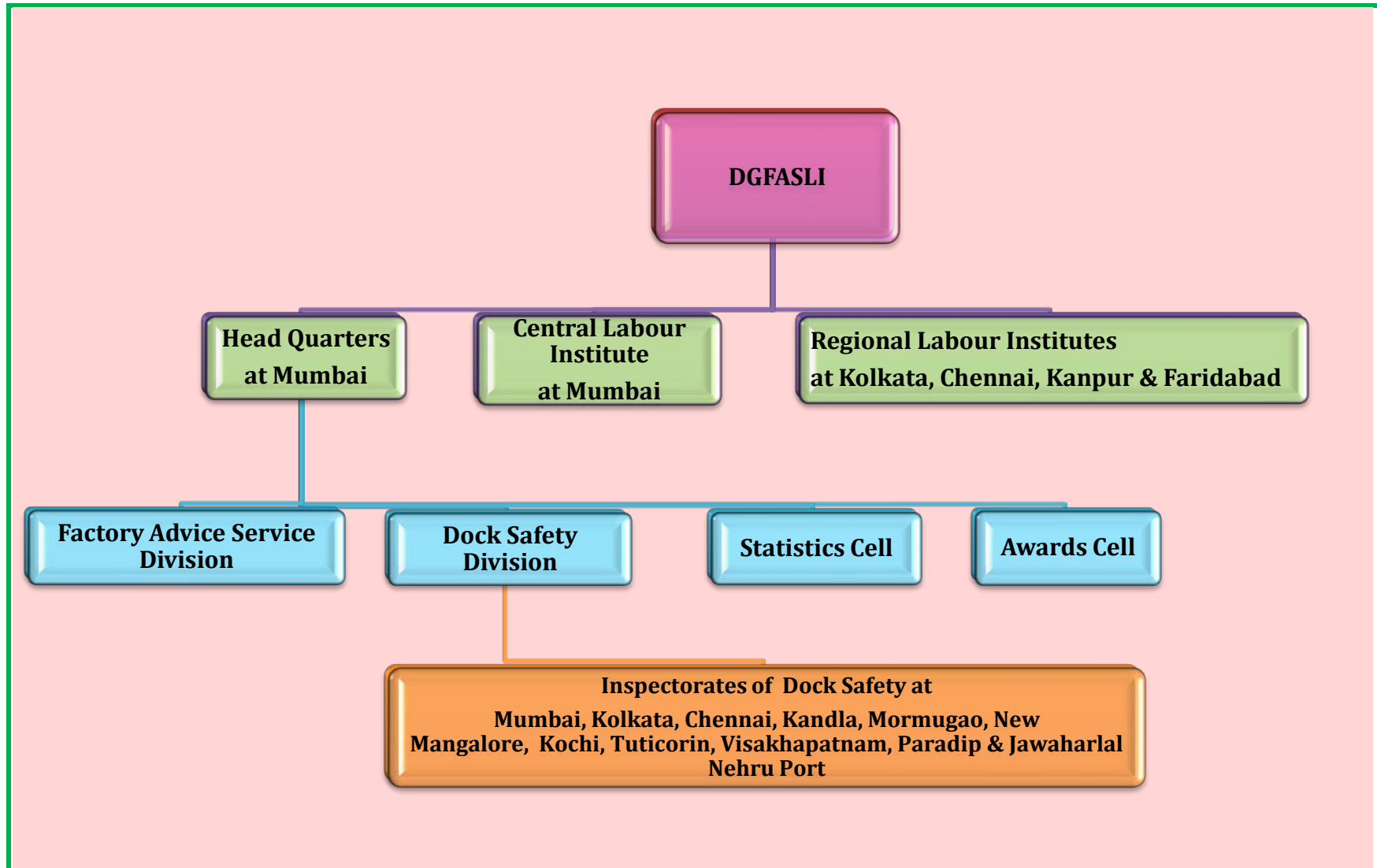
1-2 Days Duration Training Programmes – 2013

Programme / Area	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS Offices	
	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants
I. Programme for Management Personnel												
a) Safety Audit	-	-	-	-	1	97 (48)	-	-	-	-	-	-
b) Hazardous Chemicals	-	-	-	-	-	-	-	-	2	83 (52)	-	-
c) Disaster Management	-	-	-	-	-	-	-	-	-	-	1	18 (1)
d) Dispersion Modeling and Impact Assessment of Toxic and Flammable Release	-	-	-	-	1	23 (13)	-	-	-	-	-	-
e) OSH Awareness in Manufacturing Industries	-	-	1	151 (67)	-	-	-	-	-	-	-	-
f) Industrial Safety & Health	-	-	-	-	1	13 (1)	-	-	-	-	-	-
II. Programme for Factory Inspector												
a) On job Training for the Officers of DIHS Chhattisgarh on Application of Industrial & Techniques for Evaluation of Work Environment	-	-	-	-	-	-	1	15 (1)	-	-	-	-

Programme / Area	CLI, Mumbai		RLI, Kolkata		RLI, Chennai		RLI, Kanpur		RLI, Faridabad		IDS Offices	
	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants	Programmes	Participants
III. Programme for Trade Union Leader/Workers, Joint Participation												
a) Occupational Safety, Health & Welfare & Environment	-	-	-	-	-	-	-	-	-	-	3	53 (10)
b) Salient Feature of Dock workers	-	-	-	-	-	-	-	-	-	-	2	31 (3)
c) Safety in Cargo Handling	-	-	-	-	-	-	-	-	-	-	3	27 (6)
d) Road Safety	-	-	-	-	-	-	-	-	-	-	5	117 (11)
e) Awareness in Safety	-	-	-	-	-	-	-	-	-	-	2	67 (25)
f) Safety Sensitisation	-	-	-	-	-	-	-	-	-	-	1	17 (1)
IV. Programme for Students of Educational Institutions												
a) Industrial Safety	-	-	5	148 (5)	-	-	-	-	-	-	-	-
V. Programme for Supervisors												
a) Dock Safety	-	-	-	-	-	-	-	-	-	-	1	10 (3)
Total	-	-	6	299 (72)	3	133 (62)	1	15 (1)	2	83 (52)	18	340 (60)

Note: Figures in bracket indicate number of organizations.

APPENDIX - I

ORGANISATION CHART

APPENDIX - II

Address of DGFASLI and its Subordinate Offices

<p>Directorate General Factory Advice Service & Labour Institutes, Mumbai N.S.Mankikar Marg, Sion, Mumbai-400 022. PBX No.91-22-24092203 Fax: 022-24071986 e-mail: fasli@dghfasli.nic.in</p>	<p>Central Labour Institute, Mumbai N.S.Mankikar Marg, Sion, Mumbai-400 022. PBX No.91-22-24092203 Fax: 022-24071986 e-mail: cli@dghfasli.nic.in</p>
<p>Regional Labour Institute, Kanpur Sarvodya Nagar, Kanpur-208 005 Tel: 2218691,2218692, 2218745 Fax : 0512-2215112 e-mail: rlikanpur5@gmail.com rlik@indiatimes.com</p>	<p>Regional Labour Institute, Kolkata Lake Town, Kolkata-700 089 Tel: 25342732, 25342735, 25343254 Fax: 033 – 25348182 e-mail: rlikol@vsnl.net</p>
<p>Regional Labour Institute, Chennai Sardar Patel Road, Adyar, TTTI PO, Chennai-600113 Tel: 22350737, 22351569, 22355690 FAX : 044- 22352457 e-mail: rlic@vsnl.net</p>	<p>Regional Labour Institute, Faridabad Sector 47, Faridabad- 121003 Haryana . Tel: 0129-2468022 FAX : 0129-2437064 e-mail: rlifaridabad@yahoo.co.in</p>
<p>Inspectorate of Dock Safety, Mumbai Operation Service Centre, 3rd Floor, P.D' mello Rd., Mumbai-400 038 Tel: 22613391, 22692180 Fax : 022 – 22613391 e-mail: idsmumbaigov@gmail.com</p>	<p>Inspectorate Dock Safety, J. N. Port A 7/6 Sector 3, JNPT Township, Navi Mumbai-400707 Tel: 022-27245099, 0202-27240461 e-mail: idsjnport@gmail.com</p>

<p>Inspectorate Dock Safety, Kandla Near Bunder Gate, Kandla Port , New Kandla ,Post Box No. 18 District- Kutch—370210, Gujrat Tel: 02836 - 270249 Fax: 02836 - 270249 e-mail: idskandla@sancharnet.in</p>	<p>Inspectorate Dock Safety, Goa Civil Maintenance Office Building, Murmugao, Goa- 403804 Tel: 0832-2520751 Fax: 0832-2520752 e-mail: idsgoa@gmail.com</p>
<p>Inspectorate Dock Safety, Kolkata Nizam Palace, 1st floor, 2nd M.S.O. Building, 234/4, A.J.C. Bose Road, Kolkata-700 020. Tel: 22830718, 22830719 Fax : 033 – 22830718 e-mail: idskol@rediffmail.com</p>	<p>Inspectorate Dock Safety, Paradip Badapadia, P.B. No.126, District- Paradip, Jagatsinghpur, Odisha – 754142. Tel : 06722-222413 Fax : 06722- 222413 e-mail: idsparadip@gmail.com</p>
<p>Inspectorate Dock Safety, Visakhapatnam Old D.L.B. Building, 1st Floor, Opp. Harbour Main Gate Building, Port Area, Visakhapatnam-530 035 Tel: 0891-2563857 Fax : 0891-2563857 e-mail: idsvizag35@gmail.com</p>	<p>Inspectorate Dock Safety, Chennai 3rd Floor, Anchor Gate Building, Rajaji Salai, Chennai - 600 001. Tel: 25220888, 25246419 Fax: 044 – 25220888 e-mail: docksafetychennai@gmail.com idschennai@yahoo.in</p>
<p>Inspectorate Dock Safety, Cochin C.D.L.B. Dispensary Building, G.V. Ayyar Rd, Willington Island, Cochin-682003 Tel: 0484 – 2666532 Fax : 0484 – 2666532 e-mail: docksafety9@gmail.com idscochin@dataone.in</p>	<p>Inspectorate Dock Safety, New Mangalore New Mangalore Port, Panambur, New Mangalore-575010 Tel: 0824-2407781 Fax: 0824-2407781 e-mail: docksafetymangalore@rediffmail.com</p>
<p>Inspectorate Dock Safety, Tuticorin Tuticorin Port Trust, Admn. Office Building, Post. Box No.4, Harbour Estate, Tuticorin-628004 Tel: 0461- 2352372 Fax: 0461-2352372 e-mail: docksafety559@gmail.com</p>	<p>Inspectorate of Dock Safety, Ennore (Being setup) Operated from Inspectorate Dock Safety, Chennai</p>