



**Government of Karnataka
Department of Factories, Boilers, Industrial Safety and Health**

**Annual Report – 2022
(From 01.01.2022 to 31.12.2022)**

**Department of Factories, Boilers, Industrial Safety and Health,
Kalyana-Suraksha Bhavan,
Bannerughatta Road,
Bangalore – 560 029.**

Administrative Chart

Ministry

Sri Arabail Shivaram Hebbar
Hon'ble Minister for Labour
Government of Karnataka
2nd Floor, Vikasa Soudha
Bangalore – 560 001.

Secretariat

Dr. N. V. Prasad, I.A.S
Secretary to Government
Labour Department, 4th Floor,
Vikasa Soudha, Bangalore - 560 001.

Head of the Department

Sri. K.Srinivasa
Director
Department of Factories, Boilers, Industrial Safety and Health
2nd Floor, Kalyana-Suraksha Bhawan,
Bannerughatta Road, Bangalore – 560 029.

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GOVERNMENT OF KARNATAKA
Department of Factories, Boilers, Industrial Safety and Health
Annual Report - 2022 (From 01.01.2022 to 31.12.2022)

Chapter – I

1. VISION AND MISSION;

To be a leading organization in providing value added services through timely dissemination of knowledge & information to all the stake holders to ensure the safety, health & welfare of workers in factories. To ensure greater awareness and participation of all the stakeholders in achieving work safety, better health and work environment through periodic inspections, capacity building and knowledge dissemination programmes, targeting reduction in accidents and increased industrial development.

2 OBJECTIVES OF THE DEPARTMENT IN BRIEF:

- To ensure accident-free, risk-free, healthy work environment to the workers as well as prevent any harm to property and environment.
- To provide transparent and speedy services to all the stakeholders related to factories and boilers by enabling submission of applications online, payments through online transaction, submission of yearly and half yearly returns online.
- To conduct training programmes, seminars, interactions and workshops so as to create awareness amongst the workers in factories & construction works as well as the management in the field of occupational safety, health, disaster management, workers rights and responsibilities. To Print and distribute safety booklets so as to create awareness regarding occupational safety and health among workers and other stakeholders in order to improve their working skills.
- Promote generation of electricity in the industries by installing high pressure boilers and use of steam at low pressures for saving fuel.
- To reduce the usage of naturally available fuels and preserve it for the future generation. To prevent unused heat dissipation to the environment, minimize pollution & encourage production of electricity and heat using renewable energy or waste organic fuels. To identify boilers that are working at low efficiency and to encourage replacing such boilers with safe and efficient boilers.
- To identify the unregistered boilers and ensure replacement with certified and fuel efficient boilers.

3 ADMINISTRATIVE SET UP:-

3.1 HEAD OFFICE:-

The Department of Factories, Boilers, Industrial Safety and Health is working under the administrative control of the Secretary, Labour department Government of Karnataka. The head office of the department is situated at 2nd Floor, Kalyana-Suraksha Bhavana, Bannerughatta Road, Bangalore – 560 029. The department has two wings viz., Factories wing and Boilers wing. The Director of Factories, Boilers, Industrial Safety and Health is the administrative and statutory head of both the wings. The Director also heads the supportive activities of Hazardous Factories Monitoring Cell, Training & Skill Development Cell, Pressure Vessels and Plant Safety Monitoring Cell, Boiler Material Testing Training and Examination Cell and he is the Secretary of the Karnataka State Safety Institute, The activities are carried out under the supervision of the Additional Director of Factories and Boilers / Joint Directors under either wings. The Director is a Public Authority under the Right to Information Act, 2005. The Director is assisted in his day to day work by a team of 12 senior & junior officers. The officers are delegated with powers to supervise the work as stated below.

The following officers are assisting the Director in Administrative and Statutory works.

- Additional Director of Factories and Boilers on the Administrative and Statutory matters.
- Joint Director of Factories (Medical) and Occupational Health Specialist in matters of occupational health under the Factories Act, 1948.
- Joint Directors in the matters of enforcement of Factories Act & allied laws, Indian Boilers Act & allied statutes, Accounts, Statistics, Receipts and Stationary Sections.
- Administrative Officer in General Administration
- Deputy Director of Boilers (BMTTC) in Boilers Operating Engineers / Attendants exam material conducted by boiler and other subjects.
- Gazetted Managers on Administrative and Statutory matters

3.2 OFFICES:-

The head office of the department is situated at 2nd Floor, of the Kalyana-Suraksha Bhavana, Bannerughatta Road, Bangalore – 560 029. At present there are 48 divisional offices of the department spread across the entire state. There are 204 ministerial staff and 69 officer's posts.

The details of field offices located at different places are as listed below:-

| District | Name of the Office | No. of Offices |
|----------|---------------------------------|----------------|
| Mysuru | Joint Director of Factories | 01 |
| | Deputy Director of Factories | 01 |
| | Assistant Director of Factories | 01 |
| | Assistant Director of Boilers | 01 |

| | | |
|------------|--|----|
| Hubballi | Joint Director of Factories | 01 |
| | Senior Assistant Director of Factories | 01 |
| | Assistant Director of Factories | 01 |
| | Senior Assistant Director of Boilers | 01 |
| Ballari | Senior Assistant Director of Factories | 01 |
| Bengaluru | Deputy Director of Factories | 03 |
| | Senior Assistant Director of Factories | 05 |
| | Senior Assistant Director of Boilers | 02 |
| | Assistant Director of Factories | 10 |
| | Assistant Director of Boilers | 01 |
| Hoskote | Deputy Director of Factories | 01 |
| Ramanagar | Deputy Director of Factories | 01 |
| Mangaluru | Deputy Director of Factories | 01 |
| | Assistant Director of Factories | 01 |
| | Assistant Director of Boilers | 01 |
| Belagavi | Deputy Director of Factories | 01 |
| | Deputy Director of Boilers | 01 |
| | Assistant Director of Factories | 01 |
| Davanagere | Deputy Director of Boilers | 01 |
| | Assistant Director of Factories | 01 |
| Kalaburagi | Senior Assistant Director of Factories | 01 |
| | Senior Assistant Director of Boilers | 01 |
| Tumakuru | Deputy Director of Factories | 01 |
| Shivamogga | Assistant Director of Factories | 01 |
| | Assistant Director of Boilers | 01 |
| Raichur | Assistant Director of Factories | 01 |
| Hassan | Assistant Director of Factories | 01 |
| Koppala | Assistant Director of Factories | 01 |
| Udupi | Assistant Director of Factories | 01 |

All the above officers are appointed as Inspectors to enforce the various statutes and also discharge duties as Public Information Officers under the Right to Information Act, 2005.

Out of the total sanctioned strength of 273 posts, 139 posts are vacant as on 31.12.2022 (Group "A"- 03, Group 'B'- 17, Group 'C'- 79 and Group 'D'- 40) As the Department is facing acute shortage of staff, it is highly essential to fill up these posts at the earliest. Organogram / Organization chart of the department is enclosed as "Annexure - A".

4 LEGISLATIONS ENFORCED BY THE DEPARTMENT

4.1 The Factories Act, 1948

- The Karnataka Factories Rules, 1969.
- The Major Accident Hazard Control (Karnataka) Rules, 1994.

4.2 The Payment of Wages Act, 1936.

- The Karnataka Payment of Wages Rules, 1963.

4.3 The Maternity Benefit Act, 1961.

- The Karnataka Maternity Benefit Rules, 1961.

4.4 The Child & Adolescent Labour (Prohibition and Regulation) Act, 1986.

4.5 The Environment (Protection) Act, 1986.

- The Chemical Accident (Emergency Planning, Preparedness & Response) Rules, 1996.
- The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989.

4.6 The Building and other Construction Workers (Regulation of Employment and Conditions of Service) Act 1996

- The Karnataka Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Rules, 2006. The provisions relating to safety & health of the above Act & Rules are implemented by the Department in Building & Other Construction Projects of project cost above Rs. 25 crores.

4.7 The Boiler Act, 1923.

- The Indian Boiler Regulations, 1950.
- The Karnataka Boilers Rules, 1982.
- The Karnataka Economizers Rules, 1959.
- Boiler Operation Engineers Rules, 2011.
- Boiler Attendants Rules, 2011.

5. MAJOR ACTIVITIES OF THE DEPARTMENT:

5.1 FACTORY WING:-

- To accord prior sanction for establishing the factories and extension of factories so as to ensure safety healthy environment & basic welfare facilities to all the workers, without any harm to public property and environment. To register and issue license to all such factories that are amenable under the Factories Act.
- Carryout periodic inspection of the registered factories and implement the provisions relating to workers health, safety, welfare facilities, working hours etc. To file complaint against the factories who violate the provisions of law before the appropriate courts.

- To investigate into accidents that take place in the factories, analyse the cause of such accidents so as to prevent re-occurrence. Further to take legal action against the occupier / manager where negligence on their part is noticed.
- To provide speedy, paperless and transparent services to the stakeholders like factory registration, Auto license renewal/amendment/transfer, approval of plans and submission of Half-yearly returns & Annual returns through online.
- To organize and conduct training programmes, workshops and seminars for industrial workers, supervisors and management to create awareness regarding occupational health and safety, accident prevention, their rights and responsibilities.
- To strengthen disaster control measures and management by conducting periodic mock drills in hazardous factories.
- To address the complaints received from workers, workers union and public.
- To recognize and issue license to competent persons for conducting test and examination of dangerous machinery/equipment in the factories.
- To set the guidelines for submission of information on the hazardous processes being followed by the units engaged in dangerous operations.
- To guide the management on safety policy, preparation of on-site emergency plan and on precautionary steps to be taken during emergency.
- To assist the district administration in preparation and implementation of the off-site emergency plan and district disaster management plan.
- To monitor the payment of wages to the workers within stipulated time in the registered factories.
- To ensure that all eligible women workers are provided with maternity benefits.
- Detection of unregistered factories and ensuring their registration under the Factories Act.
- To identify closed/relocated factories and take action to cancel the license and delete them from the registered factories list.
- To collect yearly and half yearly returns, consolidate the information and send the statistics to the State and Central governments and other organizations.
- To conduct inspection of all the building and other construction sites of project cost above 25 Crore to ensure safety and health of workers working, as well as to conduct seminars to create awareness amongst the stakeholders like builders, developers, contractors and workers to promote safety at construction sites.

5.2 BOILER WING:

- To register the boilers / economizers / steam pipelines under the Indian Boilers Act.
- To certify the fitness of the boilers / economizers/steam pipelines for use.
- To certify the Boilers / Economizers / Steam Pipelines / Boiler Components for safe use after completion of manufacturing activity through periodic inspection.

- To advise the managements to get their boilers / economizers / steam pipelines repaired by repairers approved by the Department & to supervise the repairs for conformity to the design code.
- To investigate into accidents of boilers / economizers/steam pipelines
- To conduct welder examination as prescribed under the Indian Boiler Regulation 1950 & issue certificates to eligible candidates.
- To implement Boiler Operation Engineers / Boiler Attendants Rules, conduct examinations under the said rules & select eligible candidates as Boiler Operation Engineers / Boiler Attendants.
- To scrutinize & approve the designs & drawings for manufacturing and erection of boilers / economizers / steam pipelines.
- To conduct stage inspection of manufacturing and erection of boilers / economizers / steam pipelines.
- To conduct training programmes to the Boiler users, Boiler Operation Engineers & Boiler attendants on safe & efficient operation of Boilers.
- To conduct periodical training programmes for Manufacturers / Erectors / Boiler Repairers regarding safe construction and repairs of equipments.

Chapter – II

WORKING OF THE DEPARTMENT

1. FACTORY WING

The Department of Factories, Boilers, Industrial Safety and Health is a regulatory department enforcing various labour laws related to workplace safety, health and welfare. The State has 17,857 factories registered under the Factories Act. There are about 17,53,327 workers working in such factories. This includes also has 1,540 hazardous factories, out of which 85 are Major Accident Hazard units.

“SAFETY is considered as a human right; there is growing awareness on this among the stakeholders as well as to whom it is due-the working class. The objective of the department is to ensure a safe workplace. The aim is to prevent occupational accidents/disasters by identifying unsafe acts and unsafe conditions in the factories through periodical inspections. In order to achieve the said objectives, the department, in addition to its primary function of periodical inspections, has changed its focus over the years to training the factory management and workers on safety & health issues, thus creating awareness about safety & health amongst industrialists, employees with a view to prevent accidents, loss of limbs / lives and damage to property. The factory wing of the department provides services such as registration of factories, license amendment, transfer, renewal, plan approval, extension related approval of plans by bringing them under Sakala scheme. The applications are received online, payments done through e – payments ensuring fast, transparent and easy services.

Auto renewal of license has been provided for renewal of Factory license by the Occupier of the factory. All that the stakeholder has to do is log into the online portal and pay the renewal fees for the factory, upon which the renewed license is auto generated and can be downloaded instantly. By this the need for submitting application for renewal and visit to the department for collection of license stand eliminated.

ACTIVITIES AND ACHIEVEMENTS:-

Targets are fixed for regular inspections and training programmes to the officers. The department has fixed time limits for delivery of majority of the services for the benefit of the citizens & applications are disposed accordingly. The statistics of the targets achieved for the year 2022 is enclosed as **Annexure “B”**.

1.1 Hazardous Factories Monitor cell:-

There are 17,587 registered factories in the State of Karnataka off which 85 are Major Accident Hazard Industries and 1540 are Hazard Industries. This cell has been setup to prevent chemical accidents and to effectively minimize the effects of disasters by risk reduction and mitigation measures.

Aim :-

To identify the industries involved in hazardous process and to secure compliance under chapter IV A of the Factories Act, 1948 and The Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996 framed under The Environment (Protection) Act, 1986.

Activities :-

The tragedy at Bhopal that occurred on 3rd December of 1984 woke up the whole world to the greatest industrial disaster ever heard of in the civilized society. The states having chemical industries or chemical process industries reviewed their system of working and the competency possessed by them to meet the exigencies that are likely to occur in such industries. This process required a dedicated agency so that the safety status evaluation of existing industries and proposed industries could be assessed. The activities of such industries are closely monitored and new projects are cleared having proper siting guidelines. Effective mechanisms to prevent and contain industrial disasters are well-planned and rehearsed for emergency planning and response. These plans are needed to be generated at the local level, sub division level, district level and at state level. The Department has developed a model guidelines for preparing the On-site Emergency plan which is useful to all the Hazardous factories in the state.

The Department has prepared the new guidelines based on the Styrene Gas Disaster that occurred at Visakhapatnam.

Apart from this, the department is also cooperating with the District Disaster Management Authority in preparing the District Disaster Management Plan and has taken steps to organise and conduct an off-site emergency plan mock drill of high-risk factories with the district administration. The off-site Emergency Plan Mock Drill was successfully conducted in Dakshina Kannada district on 29th July 2022 in association with the National Disaster Management Authority and the National Disaster Management Task Force. On the same day, the off-site emergency plan mock drill was conducted simultaneously in all the districts across the state under the chairmanship of the Deputy commissioners of the districts.

December 4th being Chemical Disaster Prevention Day, or chemical disaster mitigation day, 08 seminars were organized across the state, (Bengaluru 04, 01 in Mysuru, 01 in Mangaluru, 01 in Raichur and 01 in Bidar) to create awareness among the participants by providing comprehensive information on disaster management.

The emergency preparedness plan and response are not limited only to the department but involves multiple agencies of the state which includes the district administration as a whole, the NGO's, the experts, etc., The Hazardous Factories Monitoring Cell is working in all the areas specified above in a focused way.

1.2 Training and Skill Development Cell:-

The department has a training and skill development cell presently supervised by the Joint Director of Factories – 1, Bengaluru who is also in charge of the Karnataka State Safety Institute.

All programs under this cell are being conducted and monitored through the Karnataka State Safety Institute by way of conducting training programs for various stakeholders and workers in the field of safety and health.

Training programmes, Target and Achievements during 2022:

| SI No | Programmes | Annual Target | Achievement | Annual Proposed Beneficiaries | Beneficiaries Covered |
|-------|-----------------------------|---------------|-------------|-------------------------------|-----------------------|
| 1 | One day Training Programmes | 150 | 29 | 4500 | 870 |

1.3 THE KARNATAKA STATE SAFETY INSTITUTE ®: (ESTABLISHED IN THE YEAR 1985)

Aim of the Institute:-

Safety in industrial activity has drawn utmost attention in ensuring certain safety standards which are not detrimental or injurious to the industrial community. The dissemination of knowledge in the field of safety and working environment through effective communication and education is considered as one of the most effective tools in rejuvenating the minds of working personnel. The objective is to propagate awareness on safety and health so as to inculcate safe work procedures for accident free production activity. The institute was registered under Karnataka Societies Registration Act 1960 as a society vide Reg, no 186/2007-08, dated: 31-03-2008 in the year 2008 as per the Govt. Order.

Activities:-

The Institute organizes awareness programmes for the workers on the issues of safety, health and work environment. It conducts training programmes on different modules on need basis to shop floor workers, supervisory and management level personnel in the factory premises itself. Workshops / seminars are also held for the senior officers of the management of the factory on the subjects of safety, health and personality development, etc. The safety officers, welfare personnel and medical officers who are supposed to safeguard the interest of workers working in the factories are also trained through this institute on their roles and responsibilities. Further as per the interest of the factory management, the subjects are selected for the training programmes.

Training programmes, Target and Achievements during 2022:

| Sl No | Programmes | Annual Target | Achievement | Annual Proposed Beneficiaries | Beneficiaries Covered |
|-------|-----------------------------|---------------|-------------|-------------------------------|-----------------------|
| 1 | One day Training Programmes | 150 | 29 | 4500 | 870 |

51th National Safety Day Celebrations:-

The 51th National Safety Day Celebration was organized through Karnataka State Safety Institute on 4th March 2022 at Shivratreshwam Centre, JSS Educational Institutions Premises, Jayanagar, Bangalore. The programme started with hoisting of the safety flag and Administration of Safety Oath, followed by a day long seminar and State Level Safety Awards were conferred at the public function. In The public function, safety awards were awarded to those who have involved themselves in preventing accidents by adopting good safety measures and also distributed safety awards to those factories who have achieved good performance in the field of safety and also in maintenance of Boilers. Apart from this, workers who have shown good performance in the field of safety and the winners of safety quiz were also awarded.

Sate Level Safety Awards:

1. Best worker awards from Mega, Large, Medium, Small & Construction Industry categories.
 2. Best Industry awards from Mega, Large, Medium, Small & Construction Industry categories.
 3. Best Factory Medical Officer.
 4. Best Welfare Officer.
 5. Best Safety Officer.
 6. Best industry with safe maintenance of various types of boilers.
1. A workshop on “Emergency Prevention & Response” was organized on 1) Date: 03.12.2022 at Biocon Park, Taylor Auditorium, Bommasandra Indl. Area, Bengaluru, 2) Date: 05.12.2022 at M/s. Volvo CE India Pvt Ltd, Peenya Indl. Area, Bengaluru & 3) Date: 07.12.2022 at Golden Palms Avenue, Dasanapura Hobli, Off Tumakuru road, Bengaluru. Around 530 candidates have participated and benefited from these three workshops.
 2. A workshop on “Disaster Management Strategies – Potential Challenges & Interventions” was organized on 1) Date: 12.12.2022 at M/s. TVS Motor Company Ltd., Byathahalli, Mysuru and 2) Date: 15.12.2022 at M/s. was organized at MRPL Auditorium, MRPL Township, Mangalore. About 200 candidates have participated and benefited from these workshops.

3. A workshop on “Behaviour Based Safety (BBS)” was organized on 17.10.2022 at M/s. Bosch Limited, Bidadi Indl. Area, Bidadi, Ramanagara. Similarly “Predict, Prevent & Prepare” was organized on 08.12.2022 at M/s. Toyota Kirloskar Motor Pvt Ltd., Bidadi Indl. Area, Bidadi, Ramanagara. About 200 candidates have participated and benefited from these workshops.
4. A workshop was organized at Hotel BHP-6, Humnabad, Bidar on 14.12.2022. Similarly, a workshop was organized at M/s. Raichem Medicare Pvt Ltd., Raichur on 13.12.2022. About 150 candidates have participated and benefited from these workshops.

1.4 PRESSURE VESSEL AND PLANT SAFETY MONITORING CELL:

(ESTABLISHED IN THE YEAR 1995)

Competent Persons have been recognized to achieve the objectives of this cell. The eligible persons in accordance with their educational qualifications & experience are recognized as competent persons to carry out examination of equipments for their safety under the Factories Act. 15 Competent Persons, 22 Institutions and 03 Factories were recognized/rerecognizing rewarded during the year 2022 and a sum of Rs. 5,75,000/- was collected as annual fees through such recognition under the Factories Act, 1948.

Competent persons have been recognized to examine the following equipments:

- Lifts, hoists, Lifting machines & lifting tackles-chains & ropes
- Pressure Vessels and Pressure Plant
- Centrifugal Machines,
- Power Presses
- Dust Extraction Systems
- Driers & Ovens
- Shot Blasting Equipment
- Water Sealed Gas Holders
- Solvent Extraction Plants

1.5 Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.

The officers of the Department of Factories, Boilers, Industrial Safety and Health have been notified as Inspectors with effect from 11-02-2011 for the provisions of Sections 38, 39 and 40 of the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and Rules 50 to 251 of the Building and Other Construction Workers (Regulation of Employment and Conditions Of Service) Karnataka Rules, 2006 for implementation of the above provisions in Building and Other Construction activates having project cost of Rs. 25 crores and above.

Achievements:

A total of 35 inspections were carried out under this Act during the year 2022 and 13 prosecutions were launched.

1.6 Occupational Health and Hygiene.**Aim and Activities:-**

The Joint Director of Factories (Medical) and Occupational Health Specialist are regularly visiting all the hazardous industries to verify whether medical examination of workers are being carried out and to ensure compliance to relevant provision of the Factories Act and Karnataka Factories Rules. To detect Occupational Diseases at the early stage and to advise remedial measures is the priority at the time of inspections.

In addition to the above, they advise on preventive measures to be taken to prevent occupational diseases and guide on the selection and use of personal protective equipments by the workers. They conduct training programmes in association with the Karnataka State Safety Institute.

As per the directions of Women and Child Welfare Committee, Anemia survey was conducted for women workers employed in the garment industries across the state and the same is being monitored. Further, as per the directions of Human Rights Commission, Silicosis survey was conducted and the same is being followed up with ESIC to get medical benefits and also compensation to the affected workers. In collaboration with the KSAPS (Karnataka State Aids Prevention Society) orientation programs have been conducted for factory management and workers at KSAPS premises as well as factory premises. ACF-TB (active case finding for tuberculosis) an initiative by Health and Family Welfare Dept was supported by facilitating the team to conduct surveys in garment and other factories.

The officers of the medical wing have inspected the factories carrying out the treatment and recycling of hazardous wastes to verify and advice the management to carryout medical examination of the workers to ensure compliance to the directions of the National Green Tribunal.

Thermal POWER PLANTS in the State have been visited and suggestions have been given on the safety measures to be taken for the health of the workers.

After collecting information on the health issues of the workers, the management of the factory has been advised to interact with the workers on the said health issues and spread wide publicity through short books/pamphlets/PPT/short films and other mediums to create greater awareness about health.

1.7 OTHER SUPPORTING ACTIVITIES:-**Prevention of Accidents:-**

The performance of the department can be accessed on the basis of the number of accidents and disasters that occurred in the State. The available statistics with the department reveals an increase in the industrial activity and in a progressive direction.

In the State as on 31.12.2022 there are 17,857 registered factories in which 17,53,327 workers are working. Out of which only 43 cases of fatal accidents and 16 serious accidents have occurred in the State. The number of man-days have increased whereas the number of accidents have reduced.

Prosecutions:-

During the year 2022, the department has filed 148 criminal prosecutions against the management of the factories across the state for violations of the provisions of Factories Act, which is enforced by the department. In addition, 13 prosecutions were launched against the employers and contractors under Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and 03 applications have been filed under Payment of Wages Act, 1936.

2. BOILER WING:-

The Boiler wing of the Directorate of Factories, Boilers, Industrial Safety and Health is entrusted, with the duties of validating design of boilers, preventing boiler accidents so as to protect the life and property of the public as well as workers by enforcing the Indian Boilers Act and Regulations. In order to ensure safety in using a boiler, the three main aspects viz., safety in manufacturing of boilers, safety in maintenance and safety in operations, are dealt within the Indian Boiler Regulations, 1950 and the rules framed by the State Government under the Boilers Act, 1923. The statutory provisions are under constant review by the Central Boilers Board, having regard to technological advances in the field of manufacture of boilers.

As on 31-12-2022 there are about 3211 boilers, 54 economizers and 1313 Steam pipelines in the state. In accordance with the new industrial policy of the State Government and also the new liberalization and globalization policies of the country, the Department is enforcing legislations effectively without compromising with the Safety of the Boilers and steam lines and also by disposing of service applications within the stipulated time frame thereby avoiding hindrance to the production activities.

Targets are fixed for the regular inspections & training programs. The department has fixed time limits for delivery of some of the services for the benefit of the citizens & applications are disposed accordingly. The department is actively involved in training of personnel working in operation, manufacturing, maintenance of Boilers and Boiler components and also in verifying the design and drawings of the Boiler and Boiler components, suitability of materials used, welding techniques to be adopted and welding consumables to be used. The Boiler Operation Engineers and Boiler Attendant Examinations are being conducted and competency certificates are being issued periodically.

2.1 BOILER MATERIAL TESTING, TRAINING AND CENTRE:-

Aim and Objective:-

To conserve fuel and efficient use of steam, industries started installing high pressure boilers. For these high-pressure boilers, the technical skill of the operating personnel, erection personnel, and pressure parts manufacturers should be of highest order. Hence, to train these personnel and also to verify the design and drawings of these pressure parts, suitability of materials used, welding techniques to be adopted and welding consumables to be used. The Boiler Operation Engineers and Boiler Attendant Examinations are being conducted and competency certificates are being issued.

In addition, Boiler Material Testing and Training Centre established in the year 2017 headed by a Deputy Director of Boilers with the main objective of having a fully equipped laboratory for testing of all materials involved in the manufacturing of Boilers and Boiler Components, Training of welders and conducting of examinations, training of Boiler operating personnel, Boiler users and others involved in operation, manufacturing, maintenance of Boilers and Boiler components.

Objectives:-

Activities under the Boiler Material Testing and Training Centre.

- A. Conducting examination and training for welders.
- B. Conducting examination & training for Boiler Attendants and Boiler Operation Engineers.
- C. Conducting training programmes for Manufacturers and Boiler users.
- D. Testing of Materials.
- E. Organising for energy audits.

SCHEMES IN THE DEPARTMENT ON – GOING SCHEMES:-

Head of Account (2230-01-102-0-01)

| Working Condition and Safety Inspector of Factories | Target (01.01.2022 to 31.12.2022) | | Achieved (01.01.2022 to 31.12.2022) | |
|---|--------------------------------------|----------------------------|--|----------------------------|
| | Physical (No of Inspections) | Financial (Rs in Lakhs) | Physical (No of Inspections) | Financial (Rs in Lakhs) |
| | 10,680 | 1616.25 | 14,090 | 1573.15 |

3. Additional Activities:

3.1 Usage of Kannada in Administration:-

The department is keen in usage of Kannada in administration as per directions of Government. The department is using Kannada in its daily administration at maximum level excluding in some circumstances such as correspondence with Courts, Commissions and out of state correspondence, Right to Information Act, Administrative / Annual Reports etc.

During the calendar year 57,730 letters are received and 38,719 letters are dispatched in Head Office out of which 32,835 are in Kannada.

The Divisional Offices have received 31,673 letters & dispatched 27,939 letters out of which 25,163 are in Kannada.

3.2 Right to information Act-2005:-

Under Right to Information Act-2005 the department has published list of all Public Information Officers. Accordingly One Additional Director and Five Joint Directors are appointed as the First Appellate Authorities, 55 officers are appointed as Public Information Officers. During the year 165 applications were received and 161 applications were disposed and an amount of Rs. 2,172/- was the fees realized under this Act.

3.3 Public Grievances Redressal Cell:

Additional Director of Factories and Boilers is appointed as a Public Grievances Redressal Officer. This cell is working under instructions of the Government and action is being taken regarding the public grievances which were earlier under E-Janaspandana & Sakala. 18 applications were received during the year 2022 and all have been redressed during the year.

3.4 e-governance:-

The Department is actively applying e-governance in its functioning. It has its own web portal e-surakshate. Presently online services are being given through the web portal of the department. Provision has been made to pay fees through e-payment gateway Khajane-2. Hence, all fees are paid through e-payment thus paving way for ease of doing business. The integration for the web-portal with various other department web portals is also under progress. 10 services of the department have been brought under the SAKALA scheme of the Government to ensure effective monitoring and timely disposal of the applications. The on-line web portal of the department e-surakshate, has been developed to ensure a transparency and speedy delivery of services of the department to the stakeholders. The department is planning to provide more services to the public and to make the web-portal more users friendly.

3.5 Ease of Doing Business:-

All the recommendations under the Ease of Doing Business initiatives of the DPIIT, Govt. Of India, have been complied with providing speedy and transparent on-line services of factory plan approval, registration of factories and grant of licenses, registration of boilers, economizers and steam pipelines, issue of boiler certificate on annual inspection under the Boilers Act to the stake holders. Further online payment through Khajane-2 has been implemented thereby the stake holders need not waste their time visiting the bank for making the payment of fees. Further, the process of integrating the services of the

department with Khajane-2 and Sakala are under implementation. Under Ease of Doing Business registration of factory License and Renewal period is extended up to 15 years.

The department has taken all measures to implement all the recommendations in respect of the following services under “Ease of Doing Business” fixed for the department, to ensure that our state is industry friendly.

a) Online Services under the Factories Act

- Approval of factory plans.
- Registration of factories and grant of license.
- Submission of Annual and half yearly returns.
- Amendment of factory license.
- Renewal of Factory license on-line. Auto renewal of factory license.
- Transfer of factory license.
- Half yearly & annual returns submission.
- Notice of period of work.
- Notice to work on weekly holidays.
- Permanent closure or Surrender of license.
- Issue & Renewal of Competency certificate to Person / Institute / Factories.
- Issue of Fitness certificate.

b) Online Services under the Boilers Act

- Registration of Boilers, Economisers and Steam Pipelines
- Issue of boiler certificate on annual inspection
- Recognition of Boiler Manufacturer and renewal thereof
- Recognition of Boiler Erector and renewal thereof

3.6 SAKALA - Guarantee of Services to Citizens Act:-

10 services of the department are under SAKALA scheme -i.e., Guarantee of Services to Citizens for the time bound delivery of services of the Department.

In the year 2022 the Department has received 10,194 applications under SAKALA & has disposed 9,685 applications and remaining applications will be disposed within the time frame stipulated.

3.7 Labour Helpline (155214):-

With the objective of instituting information dissemination cum grievance redressal mechanism relating to labour issues at the State level, a toll-free labour helpline – 155214 has been set up by the labour department. This helpline will help to those who call seeking access to information, advice or customer service under various media services. The helpline can provide emotional support to a person in distress in a minimalistic form. The helpline is also intended to function as an Emergency

Control Centre and is aimed at managing the emergencies due to industrial chemical disasters and such other related emergencies.

4. BUDGETORY INFORMATION:-

As per the provisions of statutes enforced by the department, fee is being levied for various services (like approval of plans of factory and boilers, registration, renewal of licenses, boiler inspection, etc.,) rendered. Expenditure is being incurred only for pay and allowances of officers/staff, as well as for maintenance of various offices. No developmental schemes/programmes are being implemented by the department.

Following is the details of fee realized for the year 2022

(Rs in Lakhs)

| Revenue | Target | Achievement (upto 31-12-2022) |
|--|-------------|----------------------------------|
| 1. 2230-00-104-0-00 Fees realized under the Factories Act | 2897 | 2927.83 |
| 2. 2230-00-103-0-00 Fees realized under inspection of Steam Boilers | 465 | 598.27 |
| Total | 3362 | 3526.1 |

Following is the details of expenditure incurred for the year 2022

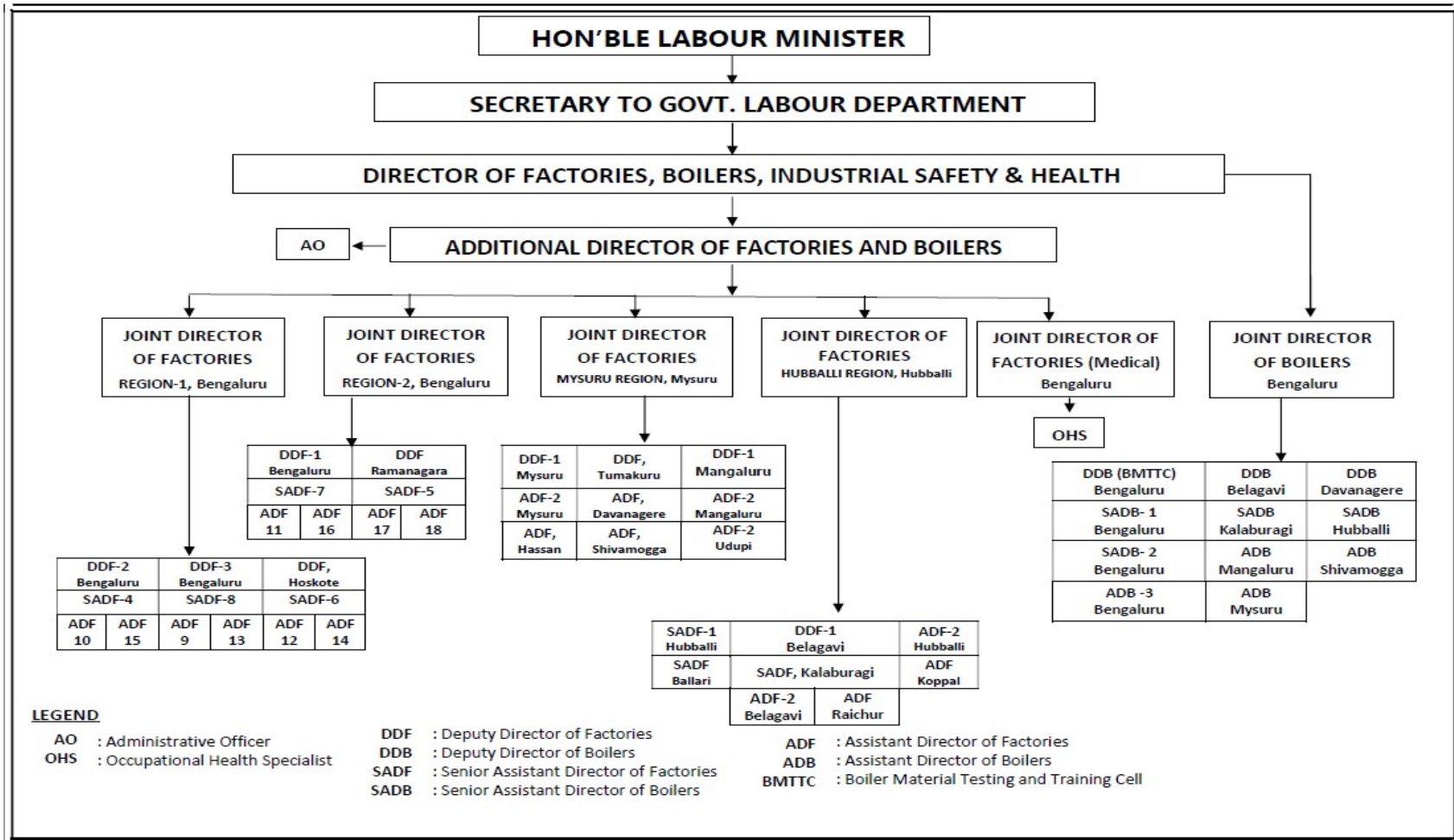
(Rs in Lakhs)

| Expenditure | (upto 31-12-2022) | |
|---------------------------|-------------------|----------------|
| | Allotment | Expenditure |
| 2230-01-102-0-01 Non-plan | 1616.25 | 1573.15 |
| Total | 1616.25 | 1573.15 |

Increase in expenditure is because of the increase in the salary of the officers and staffs in the 6th pay commission.

Address of the website: For further information and online services stake holders may visit departmental website: <https://esuraksha.karnataka.gov.in>

Director,
Department of Factories, Boilers,
Industrial Safety and Health, Bangalore.



STATISTICAL INFORMATION
(FROM 01-01-2022 TO 31-12-2022)

FACTORY WING

| Sl. No | Particulars Regarding Registered Factories | No's |
|---------------|--|-------------|
| 1. | No. of registered factories | 17,857 |
| 2 | No. of workers employed in registered factories | 17,53,327 |
| 3 | No. of factories de-registered during the year | 357 |
| 4 | No. of factories registered during the year 2021 | 890 |
| 5 | No. of hazardous factories | 1540 |
| 6 | No. of major accident hazard units | 85 |
| 7 | No. of on-site emergency plans approved | 85 |
| 8 | Off-site emergency plans prepared by district administration | 19 |

| Sl. No. | Inspections | No's |
|----------------|----------------------------------|-------------|
| 1 | No. of factories inspected | 7816 |
| 2 | No. of contraventions noticed | 546 |
| 3 | No. of Show Cause notices issued | 172 |

| Sl. No. | Prosecutions | No's |
|----------------|--|---------------|
| 1 | No. of prosecutions launched | 161 |
| 2 | No. of prosecutions ended in convictions | 79 |
| 3 | Amount of fine imposed (in rupees) | Rs. 28,47,100 |
| 4 | No. of cases withdrawn | 04 |

| Sl. No. | Exemptions | No's |
|----------------|---|-------------|
| 1 | No. of Exemption order issued under sec. 65(2) of Factories Act | 593 |
| 2 | No. of Exemptions rejected | 15 |

| Sl. No. | Complaints | No's |
|----------------|--------------------------------------|-------------|
| 1 | No. of complaints/petition received | 74 |
| 2 | No. of complaints/petitions disposed | 59 |

| Sl. No. | Accidents | No's |
|----------------|---|-------------|
| 1 | Total No. of accidents | 193 |
| 2 | No. of fatal accidents occurred during the year | 43 |
| 3 | No. of serious accidents occurred during the year | 16 |
| 4 | No. of fire accidents reported | 03 |

| Sl. No. | Detection of Unregistered Factories | No's |
|----------------|--|-------------|
| 1 | No. of new factories detected | 324 |

| Sl. No. | Public Grievance Statistics | No's |
|----------------|------------------------------------|-------------|
| 1 | No. of complaints received | 18 |
| 2 | No. of complaints disposed | 18 |
| 3 | No. of complaints pending | 00 |

| Sl. No. | Right to Information Act, 2005 | No's |
|----------------|---|-------------|
| 1 | No. of applications received seeking information | 165 |
| 2 | No. of applications disposed giving information | 161 |
| 3 | No. of applications pending | 04 |
| 4 | Fees collected (in rupees) | Rs. 2,172/- |
| 5 | No. of 1 st appeals (public authority) | 54 |
| 6 | No. of 2 nd appeals (State Information Commission) | - |

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STATISTICAL INFORMATION
(FROM 01-01-2022 TO 31-12-2022)

Boiler Wing:-

| Sl. No. | Boilers | No's |
|----------------|--|-------------|
| 1 | Total no. of Boilers registered in the State | 3211 |
| 2 | No. of Boilers Inspected | 3230 |
| 3 | Boilers Certified | 3230 |
| 4 | Boilers permitted for repair | 26 |
| 5 | No. of Boilers repaired | 16 |

| Sl. No. | Economisers | No's |
|----------------|--|-------------|
| 1 | Total no. of Economisers registered in the State | 54 |
| 2 | No. of Economisers inspected | 27 |
| 3 | Economisers certified | 27 |
| 4 | Economisers permitted for repair | 0 |
| 5 | Economisers repaired | 0 |

| Sl. No. | Steam Pipelines | No's |
|----------------|--|-------------|
| 1 | Total no. of Steam Pipelines registered in the State | 1313 |
| 2 | No. of steam pipelines inspected | 1313 |

| Sl. No. | Manufacturing Inspections | No's |
|----------------|---|-------------|
| 1 | Boiler and Boiler Components Manufacturing and Construction Phase Inspections | 1704 |

| Sl. No. | Repairers recognized under IBR | No's |
|----------------|--|-------------|
| 1 | Special Class Boiler Repairers | 7 |
| 2 | Class – I Boiler Repairers | 18 |
| 3 | Class – II Boiler Repairers | 11 |
| 4 | Class – III Boiler Repairers | 04 |
| 5 | Total approved boiler manufacturers in the state | 10 |
| 6 | Total approved boiler component manufacturers in the state | 15 |

| Sl. No. | Examinations | No's |
|----------------|--|-------------|
| 1 | No of candidates appeared for Boiler Operation Engineers Examination | 604 |
| 2 | No of candidates passed | 237 |
| 3 | No of candidates appeared for 1 st class Boiler Attendant Examination | - |
| 4 | No of candidates passed | - |
| 5 | No of candidates appeared for 2 nd class Boiler Attendant Examination | 741 |
| 6 | No of candidates passed | 325 |
| 7 | No of Welder Examination conducted | 11 |
| 8 | No of Welders passed | 11 |

| Sl. No. | Manufactured | No's |
|----------------|---------------------|-------------|
|----------------|---------------------|-------------|

| | | |
|----|---|-------|
| 1 | Package Boilers | 41 |
| 2 | Small Industrial Boilers | 110 |
| 3 | Water tube Boilers | 10 |
| 4 | Valves | 25597 |
| 5 | Castings | - |
| 6 | Forgings | - |
| 7 | Thermo well | 195 |
| 8 | Periodical inspection of Electrodes | - |
| 9 | Boiler Tubes | 730 |
| 10 | Super Heater Coils | 106 |
| 11 | Continuous Blow down / Intermittent blow down tanks | - |
| 12 | Pressure Reducing Stations | 19 |
| 13 | Economiser Coils | 559 |
| 14 | Bends | 1222 |
| 15 | Bed Coils | 526 |
| 16 | Headers | 8 |
| 17 | Pressure / Temperature Gauges | 22 |
| 18 | Reducers / T / Bank Tubes | - |
| 19 | Half Couplings | 1050 |
| 20 | Stubs | 105 |
| 21 | Nipple fittings | 556 |
| 22 | Miscellaneous | 430 |

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