



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

**Annual Report – 2021  
(From 01.01.2021 to 31.12.2021)**

**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  
2<sup>nd</sup> Floor, Vikasa Soudha  
Bangalore – 560 001.

### **Secretariat**

Dr. G. Kalpana, I.A.S  
Additional Chief Secretary to Government  
Labour Department, 4<sup>th</sup> Floor,  
Vikasa Soudha, Bangalore - 560 001.

### **Head of the Department**

Sri. K.Srinivasa  
Director  
Department of Factories, Boilers,  
Industrial Safety and Health  
2<sup>nd</sup> 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 - 2021 (From 01.01.2021 to 31.12.2021)**

**Chapter – I**

**1. VISION AND MISSION;**

To be a leading organization in providing value added services to ensure the safety, health & welfare of workers in factories through timely dissemination of knowledge & information to all the stakeholders. 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 ensuring 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 pertaining to occupational safety, health, disaster management, workers rights and responsibilities etc., To Print and distribute safety booklets so as to create awareness regarding occupational safety and health among workers and other stakeholders as 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 the 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 Additional Chief Secretary to the Government of Karnataka. The head office of the department is situated at 2<sup>nd</sup> 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 is the Secretary for the Karnataka State Safety Institute, The activities are carried out under the supervision of the Additional Director of Factories and Boilers / Joint Directors. The Director is a Public Authority under the Right to Information Act, 2005. The Director is assisted in his day to day work by 14 senior / junior officers. The officers are delegated with powers and made 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 subjects.
- Joint Director of Factories (Medical) and Occupational Health Specialist in the occupational health subject under the Factories Act, 1948.
- Joint Directors in the subjects 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 (BMTT Cell) in Boiler Material Testing laboratory.
- Gazetted Managers on Administrative and Statutory subjects.

#### 3.2 OFFICES:-

The head office of the department is situated at 2<sup>nd</sup> Floor, of the Kalyana-Suraksha Bhavana, Bannerughatta Road, Bangalore – 560 029. At present there are 48 divisional offices of the department spread over 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
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

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
	Senior Assistant Director of Boilers	01
	Assistant Director of Factories	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 total sanctioned strength of 273 posts, 143 posts are vacant as on 31.12.2021 (Group "A"- 02, Group 'B'- 17, Group 'C'- 86 and Group 'D'- 38) Out of these vacancies, 43 posts are identified as direct recruitment vacancies and are already notified to KPSC for filling up of the said posts. 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, 1963.

#### **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 give prior sanction for establishing the factories and extension of factories ensuring the safety and healthy environment, basic welfare facilities to 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 court.

- To investigate into accidents that take place in the factories, analyse the cause of re-occurrence of such accidents. Further to take legal action against the occupier / manager where negligence on the part of management were 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 the 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 17,284 factories registered under the Factories Act. There are about 16,87,541 workers working in such factories. The State also has 1,556 hazardous factories, out of which 82 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.

#### **1.1 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 2021 is enclosed as **Annexure “B”**.

#### **1.2 Ongoing Schemes for 2021:**

##### **“E-Surakshate-II”:-**

The scheme has been proposed to enhance performance of the online portal of the department so as to give faster and effective service, as well as to convert the department into a paperless office, through complete digitization of the departmental procedures and records. In this regard, action has

been taken to include all the services under Sakala Scheme to ensure timely delivery of services. Auto renewal of factory license has been initiated and is working well.

### **1.3 Hazardous Factories Monitor cell:-**

There are 17,284 registered factories in the State of Karnataka of which 82 are Major Accident Hazard Industries and 1556 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 the 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 of Bhopal that occurred on 3<sup>rd</sup> 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.

On December 4<sup>th</sup> 2020, on account of Chemical Disaster Prevention Day a WEBINAR programme was organized for all the hazardous industries. This year such programs could not be held owing to covid-19.

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.

#### **1.4 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.

#### **THE KARNATAKA STATE SAFETY INSTITUTE ®:**

**(ESTABLISHED IN THE YEAR 1985)**

##### **Aim of the Institute:-**

The safety in industrial activity has drawn utmost attention in maintaining 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 effective tools in rejuvenating the minds of working personnel. The objective is to propagate awareness on safety and health to inculcate the 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 according to 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 in different modules on need basis to shop floor, 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 desire of the factory management, the subjects are selected for the training programmes.

#### **50th National Safety Day Celebrations:-**

The 50th National Safety Day Celebration was organized through Karnataka State Safety Institute on 4th March 2021 at Rashtrakavi Kuvempu BEL Kalakshetra in Jalahalli, Bengaluru. The programme started with Safety Flag Hoisting and Administration of Safety Oath and State Level Safety Awards were conferred at the public function. Hon'ble Minister for Labour and Sugar Sri Arabail Shivaram Hebbar was the Chief guest for the public function and distributed safety awards to those who have involved themselves in controlling accidents by adopting good safety measures and also distributed safety awards to those Factories who have achieved good performance in Safety field and also in

maintenance of Boilers. Apart from this workers who have shown good performance in safety field and the winners of safety quiz were also given awards.

**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.

**Training programmes, Target and Achievements during 2021:**

SI No	Programmes	Annual Target	Achievements	Annual Proposed Beneficiaries	Beneficiaries
1	One day Training Programmes	150	11	4500	350

During the year 2019-20 a total no. of 150 one-day safety training programmes were being conducted for the workers working in factories through the Karnataka State Safety Institute. It was planned to conduct more than 160 training programmes in the year 2020 & 2021. But it was not possible to conduct training programmes in the wake of Covid-19 pandemic

**1.5 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. 23 Competent Persons, 28 Institutions and 05 Factories were recognized during the year 2021 and a sum of Rs. 6,24,000/- 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

### **1.6 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 80 inspections were carried out under this Act during the year 2021 and 03 prosecutions were launched.

### **1.7 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.

The officers and staffs of the department have actively involved in the work of distribution of cooked food to the migrant labour during the Covid-19 lockdown period. Further, the officers of the department have assisted the BBMP Officials in conducting Covid-19 screening test for the workers employed in the registered factories and also have advised and ensured compliance to the SOP issued by the department to prevent spread of the disease.

The industries were helped in setting throat SWAB tests for Covid-19 (RTPCR) to their workers within factory premises, awareness programmers regarding covid-19 hygiene, social distancing Immunity Boosting etc. Awareness for workers and factory management were also conducted during the second wave of Covid-19.

ESI & BBMP, Covid care centers were assisted in supply of Liquid Oxygen ensuring un interrupted supply.

Vaccination to workers through BBMP hospitals was also co-ordinated by the department officers.

## **1.8 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 31.12.2021 there are 17,284 registered factories in which 16,87,541 workers are working. Out of which only 50 cases of fatal accidents and 12 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 2021, the department has filed 135 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, 03 prosecutions were launched against the employers and contractors under Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and 13 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.

In the state as on 31-12-2021 there are about 5294 boilers, 114 economizers and 4410 Steam pipelines. 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 or causing hindrance to the production activities within the stipulated time frame

Targets are fixed for the regular inspections & training programmes. The department has fixed time limits for delivery of some of the services for the benefit of the citizens & applications are disposed accordingly.

## **2.1 BOILER MATERIAL TESTING TRAINING AND CENTRE:-**

**(ESTABLISHED IN THE YEAR 2017)**

### **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)

The health, safety and welfare of the workers of the factories registered under Factories Act 1948 are ensured by the periodical inspections of the factories, the payment of earned wages within the stipulated time and Maternity Benefits as per Payment of Wages Act, 1936 and Maternity Benefit Act, 1961 are also ensured. As per the Indian Boiler Act, 1923 and the rules made there under, the safe working of the boilers and the pressure parts are ensured by inspecting and certifying.

Working Condition and Safety Inspector of Factories	Target (01.01.2021 to 31.12.2021)		Achieved (01.01.2021 to 31.12.2021)	
	Physical (No of Inspections)	Financial (Rs in Lakhs)	Physical (No of Inspections)	Financial (Rs in Lakhs)
	10,500	1,603.00	11,010	1,467.37

### 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 51,361 letters are received and 36,603 letters are dispatched in Head Office out of which 31,736 are in Kannada.

The Divisional Offices have received 29,401 letters & dispatched 24,563 letters out of which 21,711 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 207 applications were received and 205 applications were disposed and an amount of Rs. 2,902/- 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. 15 applications were received during the year 2021 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.

### **4.5 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

#### 4.6 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 2021 the Department has received 7772 applications under SAKALA & has disposed 7354 applications and remaining applications will be disposed within the time frame stipulated.

#### 4.7 Labour Helpline:-

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.

#### 5. 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 2021

(Rs in Lakhs)

Revenue	Target	Achievement (upto 31-12-2021)
1. 2230-00-104-0-00 Fees realized under the Factories Act	2,730.00	2,871.27
2. 2230-00-103-0-00 Fees realized under inspection of Steam Boilers	468.00	503.50
<b>Total</b>	<b>3,198.00</b>	<b>3,374.77</b>

Following is the details of expenditure incurred for the year 2021 (Rs in Lakhs)

<b>Expenditure</b>	<b>(upto 31-12-2021)</b>	
	<b>Allotment</b>	<b>Expenditure</b>
2230-01-102-0-01 Non-plan	1,603.00	1,467.37
<b>Total</b>	1,603.00	1,467.37

Increase in expenditure is because of the increase in the salary of the officers and staffs in the 6<sup>th</sup> 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 01-01-2021 TO 31-12-2021)

**FACTORY WING**

Sl. No	Particulars Regarding Registered Factories	No's
1.	No. of registered factories	17,284
2	No. of workers employed in registered factories	16,87,541
3	No. of factories de-registered during the year	192
4	No. of factories registered during the year 2021	679
5	No. of hazardous factories	1,556
6	No. of major accident hazard units	82
7	No. of on-site emergency plans approved	82
8	Off-site emergency plans prepared by district administration	19

Sl. No.	Inspections	No's
1	No. of factories inspected	5,402
2	No. of contraventions noticed	523
3	No. of Show Cause notices issued	115

Sl. No.	Prosecutions	No's
1	No. of prosecutions launched	135
2	No. of prosecutions ended in convictions	68
3	Amount of fine imposed (in rupees)	23,79,000/-
4	No. of cases withdrawn	05

Sl. No.	Exemptions	No's
1	No. of Exemption order issued under sec. 65(2) of Factories Act	540
2	No. of Exemptions rejected	10

Sl. No.	Complaints	No's
1	No. of complaints/petition received	68
2	No. of complaints/petitions disposed	68

Sl. No.	Accidents	No's
1	Total No. of accidents	225
2	No. of fatal accidents occurred during the year	50
3	No. of serious accidents occurred during the year	12
4	No. of fire accidents reported	01

Sl. No.	Detection of Unregistered Factories	No's
1	No. of new factories detected	102

<b>Sl. No.</b>	<b>Public Grievance Statistics</b>	<b>No's</b>
1	No. of complaints received	15
2	No. of complaints disposed	15
3	No. of complaints pending	00

<b>Sl. No.</b>	<b>Right to Information Act, 2005</b>	<b>No's</b>
1	No. of applications received seeking information	207
2	No. of applications disposed giving information	205
3	No. of applications pending	02
4	Fees collected (in rupees)	Rs. 2,,902/-
5	No. of 1 <sup>st</sup> appeals (public authority)	63
6	No. of 2 <sup>nd</sup> appeals (State Information Commission)	-

Director,  
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**STATISTICAL INFORMATION**  
(FROM 01-01-2021 TO 31-12-2021)

**Boiler Wing:-**

Sl. No.	Boilers	No's
1	Total no. of Boilers registered in the State	5684
2	No. of Boilers Inspected	3806
3	Boilers Certified	2208
4	Boilers permitted for repair	74
5	No. of Boilers repaired	68

Sl. No.	Economisers	No's
1	Total no. of Economisers registered in the State	115
2	No. of Economisers inspected	18
3	Economisers certified	16
4	Economisers permitted for repair	00
5	Economisers repaired	00

Sl. No.	Steam Pipelines	No's
1	Total no. of Steam Pipelines registered in the State	4421
2	No. of steam pipelines inspected	1784

Sl. No.	Repairers recognized under IBR	No's
1	Special Class Boiler Repairers	05
2	Class – I Boiler Repairers	14
3	Class – II Boiler Repairers	04
4	Class – III Boiler Repairers	06

Sl. No.	Examinations	No's
1	No of candidates appeared for Boiler Operation Engineers Examination	-
2	No of candidates passed	
3	No of candidates appeared for 1 <sup>st</sup> class Boiler Attendant Examination	784
4	No of candidates passed	345
5	No of candidates appeared for 2 <sup>nd</sup> class Boiler Attendant Examination	-
6	No of candidates passed	-
7	No of Welder Examination conducted	12
8	No of Welders passed	12

Sl. No.	Manufactured	No's
1	Package Boilers	71
2	Small Industrial Boilers	118
3	Water tube Boilers	0
4	Valves	21701
5	Castings	0
6	Forgings	0
7	Thermo well	0
8	Periodical inspection of Electrodes	12
9	Boiler Tubes	58
10	Super Heater Coils	236

11	Continuous Blow down / Intermittent blow down tanks	0
12	Pressure Reducing Stations	6
13	Economiser Coils	11
14	Bends	50
15	Bed Coils	1168
16	Headers	17
17	Pressure / Temperature Gauges	0
18	Reducers / T / Bank Tubes	1100
19	Bed Super Heater Coils	120
20	Half Couplings	512
21	Stubs	160
22	Nipple fittings	600
23	Miscellaneous	150

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