



**GOVERNMENT OF KARNATAKA**

***KARNATAKA STATE FIRE & EMERGENCY SERVICES DEPARTMENT***

***ANNUAL REPORT FOR THE YEAR 2012  
(January to December)***



**KARNATAKA STATE FIRE & EMERGENCY  
SERVICES DEPARTMENT**

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## INTRODUCTION

Fire & Emergency Services in Karnataka was first established in the year 1942 in Bangalore South & North under the administrative control of the Police department. Later, during the reorganization of the state, a few more fire stations at Bellary, Hospet, Mangalore, Udupi & Raichur were added to the Karnataka State. This system of functioning of fire services under the administrative control of the police department was continued till the enactment of Karnataka State Fire Services Act in 1964. Under the provisions of this Act, a separate Directorate of Fire & Emergency Services was created on 05.11.1965. Since then the department is working under the administrative control of the Director General of Fire & Emergency Services. Normally this post is held by an officer of the rank of Director General of Police. The Director General of Police also functions as the Commandant General of Home Guards and Ex-officio Director of Civil Defence.

The Director General of Fire & Emergency Services is assisted by the following officers in the day to day functioning of the department both in administration and technical matters:

- |   |   |
|---|---|
| 1) Inspector General of Police & Ad. Director General | - On posting from Police.                       |
| 2) Deputy Inspector General of Fire Services.         | - On posting from Police.                       |
| 3) Director.  | - Department Officer.                           |
| 4) Deputy Director (Tech.)                            | - Department Officer.                           |
| 5) Deputy Director (Admn)                             | - Department Officer.                           |
| 6) Deputy Director (Insp)                             | - Department Officer.                           |
| 7) Administrative Officer                             | - Department Officer.                           |
| 8) Asst. Controller of Accounts                       | - On posting from State<br>Accounts Department. |

For the day to day functioning, the activities of the department are further grouped as follows: a) Operational b) Training c) Maintenance and d) Communication

### **a) Operational:**

This sub group is headed by 4 Chief Fire Officers based in Bangalore (2), Hubli (1) & Mangalore (1). Under each Chief Fire Officer 2 to 4 ranges function at Bangalore (4), Mysore, Davanagere, Mangalore, Shimoga, Hubli, Bellary & Gulbarga. Each range is under the supervision of a Regional Fire Officer, who has control over 3 to 4 districts.

Each district has a District Fire Officer, under whom there are 3 to 8 Fire Stations. Thus at present there are 180 Fire Stations and 4 Fire Protection Squads

in 152 taluks out of 176 taluks in 30 districts. In addition to this, another 32 Fire Stations, sanctioned by the Government, are yet to be opened. These 31 Fire Stations will cover all the remaining 27 taluks and additional requirement of Bangalore City. Out of functioning 180 Fire Stations, 12 Fire Stations are in Hoblies, away from Taluk Headquarters and a few major cities like Bangalore, Mysore, Mangalore, Udupi & Hubli have more than 1 fire station.

**Functioning of the Station:**

Except all the 12 Fire Stations in Bangalore City, which function on 3 shifts, the remaining 166 Fire Stations function in 2 shifts.

**Timing of 3 Shift systems:**

07.00 hrs to 14.00 hrs, 14.00 hrs to 21.00 hrs & 21.00 hrs to 07.00 hrs next day

**Timing of 2 Shift systems:**

08.00 hrs to 17.00 hrs & 17.00 hrs to next day 08.00 hrs

**b) Training:**

To train the newly recruited staff and in service personnel and also the employees of Industrial & Commercial establishments and other occupations, a well established training Academy (R.A. Mundkur Fire and Emergency Service Academy) is functioning on Bannerghatta Road, Bangalore since 02.11.1970. Facilities to accommodate and train about 180 to 200 personnel, at a time, are available in this Academy.

Apart from the conventional trainings, new areas of training like Fire Commando training and Breathing Apparatus Training using Breathing Apparatus Gallery are conceived in the Academy.

The following training program is conducted regularly in the training Academy:

1. 6 months basic training for newly inducted Fire Station Officers & Firemen
2. 7 months basic training for newly inducted Fireman Drivers and 4 months basic training for Driver Mechanics.
3. Regular Refresher courses for all the ranks of the department.
4. 30 days Job oriented course on Fire prevention & Fire Fighting to the general public.
5. 3 days training program for the employees of Cinema, Petroleum & Explosive storages etc.

6. Special training program ranging from 1 to 6 days for the employees and occupants of Banks, Hotels, Police and other agencies, are also arranged on request. From the outsiders a nominal amount is collected as fee for arranging training and issuing certificates.

**c) Maintenance:**

A well established workshop to repair vehicles and pumps of the department is available at Bannerghatta Road, Bangalore. Skilled mechanics, under the supervision of a Regional Fire Officer are available in the workshop to attend to day-to-day problems and maintenance of vehicles. Major repairs on transmission side, body etc, are got done outside through authorized Dealers/ Workshops. The staff of workshop is often detailed to the stations to attend to the repairs of pump and PTO.

**d) Communication:**

The Department has both line communication (Telephone) and Wireless Network. These communication systems are maintained under the supervision of an officer of the rank of Police Inspector, drafted from police wireless on deputation. The wireless communication is working on two bands i.e., 148.525 & 148.725 Mhz. frequencies. Repeaters with frequencies 167.3375 (RX), 173.3375 (TX), 167.4125 (RX) and 173.4125 (TX) are functioning in Bangalore, Mysore, Mangalore & Hubli Ranges. Plans are in place to extend these repeater facilities to other major cities. Additional sets are also required to replace a few existing defective sets to cover all the stations with new sets and also to cover the stations to be opened. Procurement process is in progress.

**Motto:**

We Serve to Save

**Value Statement:**

Karnataka State Fire and Emergency Services Department has and will continue to build capacities, professionalism, integrity, creativity, team work and challenges to achieve this through its training endeavors.

**Cardinals of Discipline:**

Be obedient, keep smiling – Be punctual and committed – Work hard without fuss – Make no excuses and be honest.

**Our Vision for – 2020:**

- 1) The department aims to provide modernized Fire Prevention, Fire Fighting and emergency Safe Evacuation measures to life and property in the jurisdiction defined in Fire and Emergency Services Act;
- 2) to reach the fire spot, within a minimum response time of 3 minutes, by zoning the area and coordinating with traffic regulators, based on fire risk;
- 3) to enhance number of Fire Stations, scientifically designing and locating the Fire Stations;
- 4) to acquire and position need based hi-tech vehicles and equipments in the fire stations;
- 5) to impart the state of the art advance training to personnel and officers;
- 6) to adopt fleet management and location finding gadgets to all emergency vehicles(GPS);
- 7) to set up state of the art static as well as mobile command and control systems;
- 8) to procure multirole and all-rounder vehicles and equipments;
- 9) to bring all the Fire Stations and other allied agencies under a computer network for disaster management and real time management of a situation;
- 10) to standardize the operational procedures and best practices;
- 11) to revamp the service by means of reforms in the department and
- 12) to live up to the expectation of the dictum “ We Serve to Save”, both during peace as well as war times.



### **OBJECTIVES OF THE DEPARTMENT**

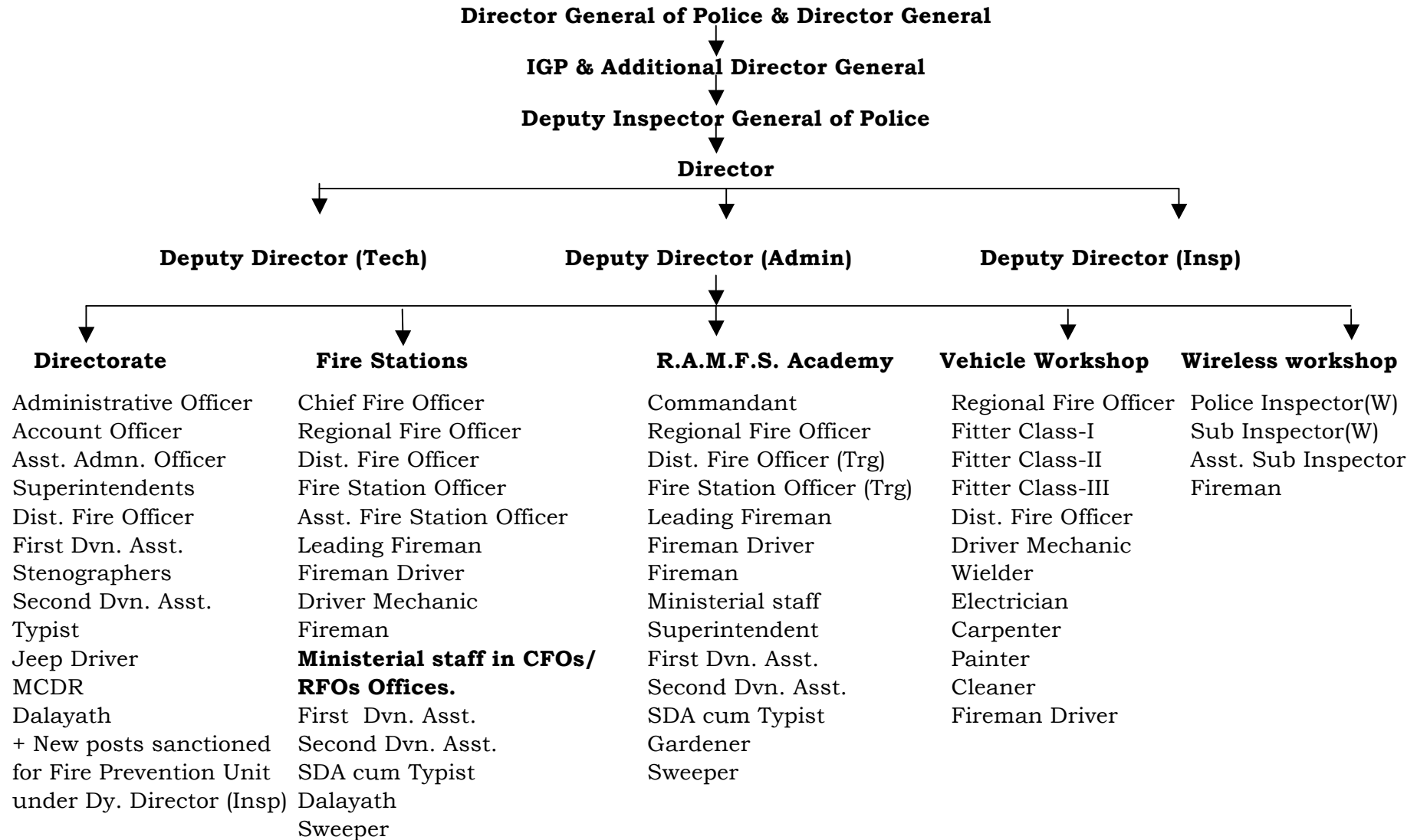
- To save life and property of people from fire & other emergencies
- To search and rescue from transport disasters, manmade and natural disasters.
- To render advice on fire protection, fire prevention, emergency evacuation, mock drills
- To enforce fire safety measures in all fire hazardous places like multi-storied buildings, public amusement areas/resorts, public Assembly places, hazardous industries, go downs, commercial complexes and other such places:
- To impart training in basic fire prevention, fire fighting, rescue operations, evacuation drills etc
- To provide standby fire fighting arrangements at large public Amusement areas, gatherings and important public meetings;
- To create public awareness on fire prevention through mock drills, evacuation drills, fire fighting demonstrations, lecture classes, seminars, exhibitions etc and
- Addressing the issues of fire, rescue and emergency responses at gross root level through program SAFE – Students Association for Fire Education, designed keeping in mind younger generation and student community.

### **Quality parameters we strive to achieve:**

- 1) The department desires Prompt response to fire and other emergencies. The response between the call receipt and fire fighting vehicle leaving Fire Station bay shall be maximum one minute.
- 2) To issue No Objection Certificate for various premises falling under the category of Public Amusement Act, Petroleum Act, Explosive Act, National Building code etc, within the stipulated period.
- 3) Imparting training in basic Fire fighting to security personnel, industrial employees, software personnel, general public, in-house personnel etc at R.A. Mundkur, Fire & Emergency Services Academy, to enhance awareness in the society.

- 4) Standby fire fighting arrangements for temporary structures, public gatherings, political rallies etc
- 5) Intensifying public awareness programs, on fire prevention for various sections of society viz. Children, housewives, security personnel, industrial workers and others.
- 6) Providing technical assistance and advice on conducting Fire Drills, evacuation drills, mock drills etc.
- 7) Under SAFE, awareness program is an ongoing continuous program.

### Structure of the Department: Organization Chart



### **Acts, Rules and Notifications of the Department**

**1) Standing Orders:**

It is a directive published by Head of the Department and it is binding upon all personnel under the command of the Head of the Department. The department has released 152 Standing Orders, which has simplified the routine office transactions as well as transactions with general public. They range from 1970 till to date. With respect to present changes, the entire bunch of Standing Orders is under review.

**2) Department Circulars:**

These are the written statement of government policy/Department policy towards smooth functioning of the department. It helps in simplifying the routine transactions, both internally and externally. A proper compilation and indexing is in progress.

**3) Standard Operating Procedures:**

An SOP of this department is a written document or instruction detailing all steps and activities of a process or procedure to be followed in different emergencies. This department is being an emergency service department; has to responding to varieties of calls ranging from fire, rescue, building collapse, chemical leakage, radio-active material release, flood rescue etc. The standard operating procedure helps the personnel and officers in handling the situation in a systematic and correct way, avoiding confusion and delay. In the wake of increasing manmade and natural threats, the existing SOP's are under revision.

**4) Fire Services Manual:**

The existing department manual came in to existence in the year 1979. The manual is quite exhaustive in dealing with different guidelines about conditions of service & duties, training, responsibilities of personnel and officers, conduct rules, discipline, Departmental Enquiry proceedings, inspection of public premises, usage of Fire Service appliances, procedure responding to fire calls, dress and equipment, maintenance of records, awards & rewards, monthly statements, ambulance service etc. With the advent of new changes in the administration, uniform, technologies, new procedures, changes in procedures etc the manual needs a revision. It is in the process.

5) **Fire Services Act:**

The existing department Act came in to effect in the year 1964. It deals about the maintenance of this department and several other allied procedures. A new Fire and Emergency Services Act is drafted and it is in the process of approval. The draft Act is more interactive and exhaustive in its nature.

6) **Fire Services Rules:**

The existing department Rules, under the Act came into existence in the year 1971. They deal with duties, responsibilities, standby arrangement of vehicles for public and government use, rewards etc. With the present context, these Rules need to be changed and they are under redrafting. In the draft focus has been given to general interactions with public, private and government parameters.

7) **Fire Service Notification:**

The existing notification, with respect to Fire Precautionary Measures in Industrial and Commercial Premises came in to existence in the year 1971. It is exhaustive and generally covers different types of premises. Keeping in view the present scenario of bulk storages and usage of chemical materials, gases, corrosive materials, increase in high raise buildings, increase in transport go-downs etc, this notification needs revision and it is in draft stage.

8) **Cadre & Recruitment Rules:**

Government in **Notification** No.HT 259 SFB 2005, dated: 25.03.2006 has issued a comprehensive notification revising the entire C & R Rules of the department. In the revised rules, separate committees have been constituted for the recruitment of direct posts like Fire Station Officer, Driver Mechanic, Fireman Driver and Fireman. Further, the educational qualification has been enhanced from **7<sup>th</sup> Std to 10<sup>th</sup> Std Pass** in respect of Firemen and from **3<sup>rd</sup> Std to 10<sup>th</sup> Std** in respect of Driver Mechanics and Fireman Drivers. The qualifying age in respect of Fireman, Fireman Driver and Driver Mechanic is reduced from **38 & 33 year to 26 & 24 years** for reservation and general categories. In respect of Fire Station Officers, the minimum age is 21 years & maximum 26 years for reservation and minimum 21 years & maximum 24 years for general categories. The process of recruitment of personnel and officers is done on merit basis. The entire process of recruitment is computerized and video graphed to maintain highest level of transparency.

## **CHAPTER 2**

### **1. Performance : Activities and achievements of the department for the past two years:**

- During this period 03 new fire stations have been opened at different locations in the State
- 30 New Fire Station Buildings and 283 New Staff Quarters have been constructed
- Out of grant of Rs. 2427.83 Lakhs, construction of 08 nos. of Fire Station buildings and 118 Staff Quarters have been taken up.
- Out of Rs. 36,79,96,690/- grants, 33 water tenders, 3 Advance Rescue Vans, 7 Water Bouzers, 3 Medium Rescue vans, one Aerial Ladder Platform of 32 m working height, 6 nos. of TATA Mobile chassis, 18 Medium Water Tenders, 27 Portable Pumps, 7 nos. of Backpack water mist technology equipments, 10 nos. of Breathing Air Compressors, 50 generators, 100 Aska Lights, 15 boats, 2000 life jackets, 2000 Life Boys, 889 Wireless Sets, 50 kit tools, 50 rechargeable torches, 800 drag hooks, 1000 m hose pipe, 45000 liters of foam compound and 8 nos. of small rescue vehicles have been purchased.
- In the year 2012-13 using Rs. 13,54,79,000/- proposal for the procurement of 2 Advance Rescue Vans, 10 Water Bouzers, 1 Breathing Apparatus Van, Suction Hoses, Delivery Hoses, Foam Compound, 21 Quick Response vehicles, 30 High Pressure Pumps, 20 nos. of Combi-tools, Urban Search and Rescue equipments and Medical First Responder equipments has been finalized.
- 362 nos. of mock drills, 1493 nos. of fire fighting and rescue technique demonstrations have been arranged.
- Attended 18,464 nos. of fire calls and 1436 nos. of special service calls, thereby saving 615 lives. In these fire calls Rs. 13, 39, 85, 80,612/- was involved and Rs. 11, 35, 25, 99,150/- was lost.
- During Independence day, the Hon. President of India awarded 4 Meritorious medals to fire service personnel
- During Republic day, the Hon. President of India awarded 01 Distinguished and 06 Meritorious medals to fire service personnel
- Hon. Chief Minister of Karnataka, after recognizing the selfless service of fire service personnel has awarded 46 chief ministers gold medals.

- The department, out of the available 3857 posts, 3500 officers and personnel opted the membership of Arogya Bhagya Scheme. Under this scheme, at present, 168 hospitals have enrolled. So far 413 officers/personnel have availed the benefits under this scheme at an expense of Rs. 61,67,444/-

## **2. Project: K SAFE 2010:**

To achieve the overall development of the department, in a set targeted period, the department has started a project called K-SAFE 2010. K-SAFE-2010 stands for **Karnataka State Accelerated Fire and Emergency Services Improvement Project**, with a target period of year 2010, but extended for a further period of 2 more years. The project has been sanctioned by GOK on 12.08.2005 at a cost of Rs. 323.30 crores.

The project has aimed at preparing a perspective plan for Accelerated Development, resulting in Expansion, Augmentation, Modernization, legal/regulatory reforms, scientific way of locating Fire Stations etc. Importance has been given to open Fire Stations in un-served taluks of the State. Thus the project aims to cover entire State and all the taluks of the state.

Basically the project aimed at improving the service conditions and services to general public. This project has the following mandate:

- a) Fire Station in each taluk.
- b) Up-gradation and Modernization.
- c) Disaster management/preparedness.
- d) Search and Rescue Operations (SAR).

## **3. Project: Current Fire Hazard Response and Mitigation plan for Bangalore:**

### **1. Introduction:**

1. The State Fire Services was initiated in 1965 under the Karnataka Fire Force Act, 1964. Since 1942, the Department was initially a part of the Police Department but 1965 onwards, it started functioning independently. The department, mainly a service oriented department, has now been reorganized as a Multi-hazard Response Department (Karnataka State Fire & Emergency Services Department - KSFES) and the first of the responders in all emergencies like fire, building collapses, aviation & major road accidents, floods and other calamities. The overall control of the Department lies with the Home Department of State Government. The KSFES currently manages 169 fire stations in the entire state. In Bangalore, KSFES has established 13

fire stations, 4 Fire Protection Squads, a Training Academy and a State level workshop. 7 more fire stations are already sanctioned for Bangalore city and are in a process of opening. Karnataka State Fire and Emergency Services, has the dual mandate of fire fighting (including fire prevention and fire safety) and Disaster Management.

2. Bangalore, the administrative capital of Karnataka State has been substantially affected by globalization and rapid urbanization over the last decade. It is the fifth largest metropolis and is one of the fastest growing cities in Asia. The total area of Bruhat Bengaluru Mahanagara Palike's (BBMP) jurisdiction has also grown considerably from 512 sq. km in 2001 to presently at 709.34 sq. km. The population of Bangalore has rapidly grown from 1.7 million in 1971 to 6.5 million in 2005, and is expected to be around 10 million by 2021. As a result, the City witness considerable horizontal and vertical growth.
3. Bangalore is expected to experience significant growth and development in future, which will instigate high-density development and in turn, correspondingly increases risk of fire/anthropogenic disasters. Considering an average of 5 years data (2006-10), KSFES receives about 1,200 fire calls and 185 rescue calls annually. Department has succeeded in saving on an average of about 80 percent of the total properties involved in the fire incidences per annum and also saved many lives. The 13th Finance Commission Report for 2010-2015 recommend that grants provided to urban local bodies can be utilized to revamp the fire services within the jurisdiction.
4. To achieve the objective of revamping the fire services, these local bodies could provide financial support to the State Fire Services Department. As a result, KSFES was longing for the preparation of Fire Hazard Response and Mitigation Plan for Bangalore City to revamp and modernize the fire services in Bangalore. The Project preparation involved (i) review of existing situation analysis; (ii) rapid risk assessment; (iii) infrastructure needs assessment; (iv) review of modernization requirements of fire services; (v) institutional assessment; (vi) assessment of training and capacity building needs; and (vii) capital investment plan.

## **E-2. Rapid Risk Assessment**

5. The risk identification and hazard mapping exercise forms the basis for planning or decision-making, such as ways to prevent the hazard (the cause), or minimize or mitigate the resultant harm (the effect). Given the scope of work and time frame, a rapid fire risk assessment has been



undertake for Bangalore city considering various factors such as population density, concentration of commercial, public assembly, industrial areas, high rise building and Major Accident Hazard (MAH) units, etc. Base unit for the analysis was the Planning District as defined by Revised Master Plan 2020, Bangalore.

6. Total study area falls in 38 of the total 47 planning districts approximately. Some of the wards which are very partially falling in the outer planning districts are considered as part of the nearest planning districts to simplify the analysis. Of the 38, seven are classified under “Very High Risk (Petta, Richmond Town, Malleshwaram, Baiyyappanahalli, Peenya, CV Raman Nagar, Byatarayanapura), 12 as “High Risk”, 10 “Medium” and remaining 9 as “Low Risk” zones. Overall 14 percent of total area is classified as Very High Risk and this houses 19 percent of total population.

### **E-3. Needs Assessment**

#### **1. Present Scenario**

7. **Table 1** indicates the present scenario of 13 existing & 7 sanctioned fire stations to combat

the fire hazards in Bangalore City covering 198 BBMP wards in an area of 709.34 sq. km area.

**Table 1: Present Scenario**

<b>Vehicles / Equipments</b>	<b>Actual Requirement</b>	<b>Available</b>	<b>Shortfall</b>	<b>Total Cost</b>
	<b>Nos.</b>	<b>Nos.</b>	<b>Nos.</b>	<b>Rs. in Lakhs</b>
Hazmat Van	2	Nil	2	1,000.00
Advanced Rescue Vans	4	2	2	200.00
Water Tender	44	28	16	480.00
Water Lorry	10	10	--	-----
Water Bouzer	<b>10</b>	<b>07</b>	<b>03</b>	<b>90</b>
Foam Tender	<b>02</b>	<b>02</b>	---	-----
Water Mist on Motorbike (Agni)	<b>20</b>	<b>03</b>	<b>17</b>	<b>170.00</b>
Water Mist on Jeep (Varuna)	<b>10</b>	<b>03</b>	<b>07</b>	<b>105.00</b>

<b>Vehicles / Equipments</b>	<b>Actual Requirement</b>	<b>Available</b>	<b>Shortfall</b>	<b>Total Cost</b>
	<b>Nos.</b>	<b>Nos.</b>	<b>Nos.</b>	<b>Rs. in Lakhs</b>
High Pressure Pumps	<b>20</b>	<b>02</b>	<b>18</b>	<b>90.00</b>
Portable Pumps	<b>44</b>	<b>27</b>	<b>17</b>	<b>51.00</b>
Aerial Ladder Platform	<b>5</b>	<b>02</b>	<b>03</b>	<b>1500.00</b>
Turn Table Ladder	<b>03</b>	<b>01</b>	<b>02</b>	<b>1000.00</b>
Control Post Van (Incident Control Vehicle)	<b>02</b>	<b>01</b>	<b>01</b>	<b>30.00</b>
Jeep	<b>20</b>	<b>16</b>	<b>04</b>	<b>28.00</b>
Light Tower-Inflatable Light Mast	<b>27</b>	<b>09</b>	<b>18</b>	<b>54.00</b>
Generator	<b>29</b>	<b>12</b>	<b>17</b>	<b>10.20</b>
Motor Cycle	<b>28</b>	<b>08</b>	<b>20</b>	<b>10.00</b>
<b>Total</b>	<b>280</b>	<b>133</b>	<b>147</b>	<b>4,818.20</b>

## **2. Future Plan**

8. All though at present the department is in a position to handle the emergencies in Bangalore city, the department is in a constant endeavor to improve infrastructure and vehicles/equipments. Based on the Standing Fire Advisory Committee (SFAC) recommendations, one fire station should cover 10 sq. km of geographical area; accordingly 71 additional fire stations are required. SFAC also recommends that the requirement of fire station should also be worked out based on the risk involved and response time. A response time of a maximum of 3 minutes should be aimed at in high hazards areas, and in other areas the response time should not exceed 5 minutes. Based on average speeds in various zones and the response time, the area coverage, the total number of fire stations required has been worked out as 79, of which 20 are available, and the remaining 59 needs to be developed.

**E-4. Capital Investment Plan (CIP)**

11. The total cost of proposed infrastructure under Fire Hazard Response and Mitigation Plan is estimated at Rs. 39,007 lakhs (Rs. 390.07 crores). The break-up of cost estimation is given in the following **Table 4**.

**Table 4:** Estimated Capital Investment

<b>Sl. No.</b>	<b>Project Component</b>	<b>Numbers</b>	<b>Total Cost in lakhs</b>
<b>I.</b>	<b>Existing Fire Stations 20 nos.</b>		
<b>01</b>	Hazmat Van	2	1,000.00
<b>02</b>	Advanced Rescue Vans	2	200.00
<b>03</b>	Water Tender	16	480.00
<b>04</b>	Water Lorry	--	-----
<b>05</b>	Water Bouzer	<b>03</b>	<b>90</b>
<b>06</b>	Foam Tender	---	-----
<b>07</b>	Water Mist on Motorbike (Agni)	<b>17</b>	<b>170.00</b>
<b>08</b>	Water Mist on Jeep (Varuna)	<b>07</b>	<b>105.00</b>
<b>09</b>	High Pressure Pumps	<b>18</b>	<b>90.00</b>
<b>10</b>	Portable Pumps	<b>17</b>	<b>51.00</b>
<b>11</b>	Aerial Ladder Platform	<b>03</b>	<b>1500.00</b>
<b>12</b>	Turn Table Ladder	<b>02</b>	<b>1000.00</b>
<b>13</b>	Control Post Van (Incident Control Vehicle)	<b>01</b>	<b>30.00</b>
<b>14</b>	Jeep	<b>04</b>	<b>28.00</b>
<b>15</b>	Light Tower-Inflatable Light Mast	<b>18</b>	<b>54.00</b>
<b>16</b>	Generator	<b>17</b>	<b>10.20</b>
<b>17</b>	Motor Cycle	<b>20</b>	<b>10.00</b>
<b>II.</b>	<b>Proposed Fire Stations 59 nos.</b>		
<b>01</b>	Water Tender	<b>118</b>	<b>3,540.00</b>
<b>02</b>	Rescue Van	<b>05</b>	<b>500.00</b>
<b>03</b>	Water Bouzer	<b>10</b>	<b>300.00</b>
<b>04</b>	Portable Pump	<b>118</b>	<b>354.00</b>

<b>Sl. No.</b>	<b>Project Component</b>	<b>Numbers</b>	<b>Total Cost in lakhs</b>
<b>05</b>	Motor Cycle	<b>59</b>	<b>29.50</b>
<b>06</b>	Procurement of Personal Protective Equipment	<b>89</b>	<b>445.00</b>
<b>07</b>	Turn Table Ladder	<b>4</b>	<b>2,000.00</b>
<b>08</b>	Foam Tender	<b>4</b>	<b>120.00</b>
<b>09</b>	Procurement of vehicles*	<b>60</b>	<b>750.00</b>
<b>10</b>	Modernization of Fire Stations (GIS/GPS, Wireless etc)		<b>2,000.00</b>
<b>11</b>	Capacity Building (Training needs including Disaster Management Academy)		<b>2,500.00</b>
<b>12</b>	Aerial Ladder Platforms	<b>2</b>	<b>1,000.00</b>
<b>13</b>	For New Fire Station Buildings at 59 Locations & 826 Staff Quarters (14 Quarters at each Fire Station)		<b>20,650.00</b>
	Total		<b>39,006.70</b>

**Note: \*Vehicles like (a) 30 nos. of Bike (Agni) with mist technology equipments (b) 20 nos. of Jeep (Varuna) with mist technology equipments & (c) 10 nos. of Mini water tenders working on mist technology.**

#### **E-5. Institutional Arrangement**

12. KSFES works under the administrative control of the Director General of Police and Director General Fire & Emergency Services. Normally the post is held by an officer of the rank of Director General of Police. The Director General of Police also functions as the Commandant General of Home Guards and Ex-officio Director of Civil Defence. KSFES is a closely knit Department with clear-cut reporting guidelines. Self-discipline and alertness is promoted in the Department at all levels and are generally strictly dealt with, in view of the State's perspective that public safety cannot be compromised at any cost. Generally, IPS Officers are policy decision making and sanctioning authority.
13. From the operational point of view, the Bangalore City has been given under the control of two Chief Fire Officers: 1. Chief Fire Officer, Bangalore East and 2. Chief Fire Officer Bangalore West. Bangalore City is further divided in to 4 Regions:

1. Bangalore-East Range, 2. Bangalore-West Range, 3. Bangalore-North Range and 4. Bangalore-South Range. Under each Regional Fire Officer, 2-3 District Fire Officers function. These district Fire Officers are drawing and disbursing officers of respective district. They are also supervisory officers of the fire stations, falling under their jurisdiction. Under each District Fire Officer, 3-4 Fire Station Officers work. Fire Station Officers are the unit officers, directly looking after a Fire Station. They are assisted by Assistant Fire Station Officers. Each Fire Station has Leading Firemen, Driver Mechanics, Fireman Drivers and Firemen.

**14. Some of the needs to be focused are:**

- (i) Infrastructure improvements/developments.
- (ii) Provision of physical fitness equipments.
- (iii) Provision of live simulation exercises.
- (iv) Knowledge Park - A well equipped library with the latest fire & rescue related publications.
- (v) Qualified and competent faculty.
- (vi) Latest teaching aids - Computer based trainings.
- (vii) New syllabus - Interactive and feedback based system along with practical oriented trainings.
- (viii) Establishment of Proposed Karnataka Disaster Management Academy in Bangalore
- (ix) Building a Search and Rescue Training Facility.

**4. Budget Heads: Plan & Non-plan for the financial years 2009-10, 2010-11 and 2011-12.**

**2009-10**

<b>Sl. No.</b>	<b>Head of Account</b>	<b>Sub Head</b>	<b>Proposal Sent: In Lakhs</b>	<b>Allocations: In Lakhs</b>
01	2070-00-108-1-01	002	51.28	52.99
		003	5308.79	3057.35
		011	1223.54	1181.93
		014	608.46	283.87
		015	50.00	21.63

<b>Sl. No.</b>	<b>Head of Account</b>	<b>Sub Head</b>	<b>Proposal Sent: In Lakhs</b>	<b>Allocations: In Lakhs</b>
		041	60.00	22.71
		051	120.00	89.99
		071	85.00	61.82
		195	1000.00	531.96
		180 (Non-Plan)	2310.00	256.71
		221	80.00	32.74
		147	276.00	116.81
		104	05.00	05.00
		180 (Plan)	600.00	400.00
02	6003-00-104-02-0	GIC loan	34.00	51.00
		GIC interest	21.00	30.00
<b>2010-11</b>				
01	2070-00-108-1-01	002	60.95	52.28
		003	5384.57	3760.14
		011	2066.72	1909.71
		014	1937.29	1040.40
		015	45.00	22.49
		041	50.00	23.61
		051	120.00	93.58
		071	85.00	64.29
		195	1000.00	501.56
		180 (Non-Plan)	2310.00	267.00
		221	150.00	34.04
		147	1230.00	121.48
		104	10.00	05.00
		180 (Plan)	600.00	600.00
02	6003-00-104-02-0	GIC loan	34.00	24.00
		GIC interest	18.00	40.00
01	2070-00-108-1-01	002	62.76	61.44
		003	5938.33	4205.95

<b>Sl. No.</b>	<b>Head of Account</b>	<b>Sub Head</b>	<b>Proposal Sent: In Lakhs</b>	<b>Allocations: In Lakhs</b>
		011	3374.69	2987.17
		014	1523.47	451.72
		015	45.00	23.38
		020	-----	23.00
		021	-----	77.00
		041	50.00	30.00
		051	120.00	97.32
		071	85.00	66.86
		101	30.00	26.00
		104	10.00	05.20
		147	6540.00	126.33
		180 (Plan)	700.00	600.00
		180 (Non-Plan)	2420.00	277.68
		195	1000.00	644.55
02	6003-00-104-02-0	221	100.00	50.00

**CHAPTER - 3**

**Not applicable to this Department**



## **CHAPTER 4**

### **PART - I: Amendments to legislation:**

This department has an Act called as **Karnataka Fire Force, 1964**. It extends to the whole on the State of Karnataka. It shall come into force in any area on such date as the State Government may, by notification in the official Gazette appoint, and different dates may be appointed for different areas. Provided that when the Fire & Emergency Services is sent to any place outside any such area Act shall be deemed to be in force in such place for all purposes connected with service therein.

The Act has remained un-amended from 1964. A revised draft Act has been sent to Govt. for approval and awaited for approval.

### **PART-II: Explanation about new legislation:**

In the draft Act, the following amendments are proposed:

- a. Section-2 : Definition
- b. Section-5 : Superintendence and control of the Fire & Emergency Services:
- c. Section-7 : Issue of certificates/Identity Cards to Members of Fire Service
- d. Section-8 : Auxiliary Fire and Emergency Service
- e. Section-9 : Power of the State Government, The Director General of Police and Director General and members of the Service.
- f. Section-10 : Powers of members of services on the occasions of fire/rescue/  
any other emergency involving life and property
- g. Section-13 : Fire Preventive Measures
- h. Section-17 : Fees

### **PART- III: Evaluation studies of subordinate offices:**

A systematic evaluation study process is available in the department. The details are as below:

1. With respect to inspection of subordinate units for evaluation process a Standing Order NO. 148 dated: 13.05.2008 has been issued by the department.

2. The department has supervisory officers like District Fire Officer, Regional Fire Officer and Chief Fire Officer, to inspect the Fire Stations and evaluate the performance.
3. The District Fire Officer (DFO) being the First Level Supervisory Officer shall inspect all Fire Stations falling under his jurisdiction twice a year. These inspections are done in two stages: First Half yearly completed before 30<sup>th</sup> June of every year and Second Half yearly, completed by the 31<sup>st</sup> December of the year.
4. The next level of supervisory officer, Regional Fire Officer shall inspect all Fire Stations under his jurisdiction once in a year, including DFO offices.
5. The Chief Fire Officer (CFO) will inspect one third of Fire Stations falling under his jurisdiction once in a year. He will inspect 50 % of DFO and all offices of RFO in his jurisdiction, once in a year.
6. Deputy Director (Technical) will inspect the workshop once in a year and review its functioning in detail.
7. Deputy Director (Administration) will inspect the Fire Service Academy located at Bangalore and all the CFO offices every year.
8. The Director Fire Services will inspect 50 % of the offices of CFO, Fire Service Academy and Workshop every year.
9. DIG Fire Services and IGP and Additional DG will undertake frequent visits to various field units and examine their functioning from close quarters. They also, once in a year inspect one fire station in each CFO jurisdiction in the state, inspect 25 % of the offices of RFO and 25 % of offices of CFO every year.
10. Every office maintain Chicket Books, officer wise and paste all the inspection notes and compliance reports of the concerned officer chronologically in it. These will be made available to the supervisory officers at the time of inspection or visit for perusal.
11. Based on the guidelines issued in the Standing Order, the supervisory officers are inspecting the offices and reporting the findings with respect to discipline in personnel, vehicle conditions, infrastructure condition, equipment condition/usage/requirement, administrative issues etc.

**PART -IV: Reports/publications, brought out by the department**

1. K – SAFE 2010 (**Karnataka State Accelerated Fire and Emergency Services Improvement Project**) Project Report aiming the overall

development of the department, in a set targeted period, with a target period of year 2010, but extended for a further period of 2 more years. The project has been sanctioned by GOK on 12.08.2005 at a cost of Rs. 323.30 crores.

2. Current Fire Hazard Response and Mitigation plan for Bangalore City.  
This project report aims at risk assessment and mitigation of hazards in Bangalore city.
3. For the use of general public, periodically small booklets and hand outs on fire prevention are regularly printed and distributed.
4. For the use of school children, cartoon book “Uncle Dash and Baby Palm” has been printed and distributed.
5. To create awareness among residents of high rise building occupants, a booklet, in collaboration with Barton Centre, has been printed and distributed.
6. A booklet on school Fire Safety, both in Kannada and English has been printed and distributed to different schools in the state. Printing of few more similar materials is in the piping

## **CHAPTER 5**

### **1. Achievements in Human Resource Management & Achievements in Administrative Activities:**

- a. The code of conduct of this department are the document designed to influence the behavior of employees They set out the procedures to be used in specific ethical situations, emergencies, day to day activities, administrative duties, executive duties etc. The effectiveness of these codes of ethics depends on the extent to which management supports them with sanctions and rewards.
- b. In this direction this department has taken several measures and also has issued guidelines for the smooth functioning of the department, in delivering services to public, in responding to emergencies, either to save life or property or to attend a standby duty etc. Any violation of these directions leads to invoking of disciplinary measures as per the disciplinary rules of this department.
- c. By virtue of the nature of job, it demands appropriate rewards, commendations, medals, appreciation, recognition etc. The practice of sanctioning of cash rewards, good service entry, commendation etc are already in practice in this department. Cash rewards are sanctioned to officers and personnel for discharging exemplary duty in responding to emergencies. Similarly good service entries are recorded in the Service Register of an officer or personnel for performing exemplary service, in emergencies. For the dedicated employees, commendation certificates are issued. Apart from this, Chief Ministers Gold Medal, Presidents medal for meritorious service and president's medal for distinguished services are awarded to officers and personnel of this department.
- d. The Karnataka State Fire and Emergency Services Department has adopted the following measures, in different areas, to simplify the administration and also to bring reforms in the administration:**

#### **1) Delegation of financial powers:**

Government in Order No. FD 2 TFP 2010, Bangalore, dated: 30.04.2010 has enhanced the delegation of financial powers to various levels, resulting in speedy sanctioning.

#### **2) Drawing and disbursing power:**

In the year 2008 there were more than 119 drawing and disbursing officers in the department. With the increase of targeted 209 Fire Stations, the

number of drawing and disbursing officers of the department would have increased to more than 250. With this huge number of drawing and disbursing officers, distribution, tracking and compiling of budget would have been a cumbersome process. Accountability and fixing responsibility for improper use of budget would have been very difficult.

With an intention to simplify the whole process, the department approached the government and streamlined the process of drawing and disbursing by reducing the number of drawing officers to less than 50.

Further, adoption of HRMS system, depositing payment directly to respective bank accounts, depending on e-mails for data transfer has eased the transaction level of drawing and disbursing officers.

### 3) **Inspection powers:**

This department is vested with the powers of inspecting different premises falling under Public Amusement Act, Petroleum Act, Explosive Act, Cinematography Act, Video Act, National Building Code etc and for issuing no-objection certificates. The DGP and DG has decentralized the inspection powers and has delegated the powers to inspect and issue no-objection certificates ranging from the unit officer i.e. Fire Station Officer to head of the department i.e. DGP and DG.

Standing Order No. 139 and its amendments clearly spell about the inspection powers vested to individual officer at different levels.

### 4) **Maintenance of Service Registers and leave records:**

As a part of decentralization of powers and to ease administration, the power to maintain service registers, sanction periodical increments, regularization of leave of personnel, up to 90 days, has been delegated to Regional Fire Officers. Rest of the service registers, belonging to officers, are maintained at head office.

### 5) **Training:**

To train the newly recruited staff and in service personnel and also the employees of Industrial & Commercial establishments and other occupations, a well established training Academy (R.A. Mundkur Fire and Emergency Service Academy) is functioning on Bannerghatta Road, Bangalore, since 02-11-1970. Facilities to accommodate and train about 180 to 200 personnel, at a time, are available in this Academy.

Apart from the conventional training programs, the department has geared up for new types of trainings like Fire Commando Training, Breathing Apparatus Gallery with simulators, live fire fighting training etc.

6) **SAFE (Students Association of Fire Education):**

It is a dedicated fire prevention awareness program conducted at schools, addressing the awareness program at grass root level. For this purpose middle and high schools are adopted and school fire brigades are created. At present Officers from R.A. Mundkur Fire and Emergency Services Training Academy are looking after this responsibility.

7) **Awareness Programs:**

The department has created a cartoon book “Uncle Dash and Baby Pom” for the benefit of students. It is an awareness literature on various aspects of Fire Prevention. Apart from this, several other printed materials on awareness, fire prevention and evacuation methodology is being regularly printed and distributed by this department, for the awareness of general public. Throughout the state, during the month of April, Fire Service Week is celebrated between 14<sup>th</sup> April to 20<sup>th</sup> April, comprising awareness programs.

8) **Mock Drills and Evacuation drills:**

This department is regularly conducting mock drills and evacuation drills in various government and private premises. This program is a part of awareness program and also to get acquaint with risks associated with various kinds of premises.

9) **Computerization of the department:**

The head quarters is fully computerized with LAN and broad band internet facility. Entire pay package of the department is running on HRMS of e-governance department. For each of the drawing officer and up to district level offices, computers, printers, UPS and broad band facility has been provided. This facility has been extended to few fire stations.

A dedicated e-mail system has been introduced for daily and routine transactions. It has reduced the time to collect information, statistics and details.

A good number of personnel and officers have been trained in system administration, networking administration etc, both at head quarters and at Fire Station level.

The process of computerization up to the unit level is in progress. This is being planned to be achieved through e-governance department, as a part of implementation of KSWAN project.

10) **Website:**

All the details of this department are uploaded in the website **karunadu.gov.in/ksfes**. The new version of website is in the final stages of refining with e-governance department and it will be made available to general public shortly.

11) **Blog and Media Watch:**

The department has maintained a blog, **blog.ksfes.gov.in**, and **mediawatch.ksfes.gov.in**, having a purpose of sharing information with media, general public and other departments. It is also designed to interact with the general public and get feedback from them.

The media watch blog, updates all the events, happenings and news items of this department.

12) **Fire Service Workshop:**

A well established workshop to repair vehicles and pumps of the department is available at Bannerghatta Road, Bangalore. Skilled mechanics, under the supervision of a Regional Fire Officer are available in the workshop to attend to day-to-day problems and maintenance of vehicles.

Major repairs on transmission side, body etc, are got done outside through authorized Dealers/ Workshops. The staff of workshop is often detailed to the stations to attend to the repairs of pump and PTO.

13) **Fire Service Wireless Workshop:**

The Department has both line communication (Telephone) and Wireless Network. These communication systems are maintained under the supervision of an officer of the rank of Police Inspector, drafted from police wireless on deputation. The wireless communication is working on two bands i.e., 148.525 & 148.725 Mhz. frequencies. Repeaters with frequencies 167.3375(RX), 173.3375(TX), 167.4125(RX) and 173.4125(TX) are functioning in Bangalore, Mysore, Mangalore & Hubli Ranges. Plans are in place to extend these repeater facilities to other major cities.

- 14) **Central Fire Control Room:** A re-modeled, Central Fire Control Room is functioning from the premises of High Grounds Fire Station, located on Sheshadri Road, Bangalore. Each Fire Station has a smaller control rooms known as watch rooms.

The existing Central Fire Control Room is not designed to cater the multi-hazard response and control system and Multi-tasking. But, it is in a process of up-gradation as 'Command and Control System' including 'mobile incident control system', for enables real time monitoring of a multi-hazard situation through GIS/GPS integrated technologies, proper fleet management, fleet monitoring, need based response etc.

A toll free 101 Telephone facilities are provided to general public, across the State, to summon the services of this department. The general public can contact the department even from coin telephone booths, without putting a coin.

- 15) **Stand by duties:**

Standby of fire service vehicles during VIP / VVIP visits and for law and order situations is also arranged. As a precautionary measures, public are availing this service on payment basis, as per Govt. Orders.

- 16) **e-Services:** The department is in a process of developing e-services with the help of e-governance department under KSWAN program. This project is about implementing electronic forms through State Portal and Service Delivery Gateway. Two unique services of this department have been identified for public use, under SAKALA. They are:

- 1) Issue of no-objection Certificates to various agencies and
- 2) Issue of different types of reports to public and private agencies.
- 3) Responding to both manmade and natural disasters

These services will be integrated with e-governance portal, KSWAN project and department website. General public can interact with the department to get various services, either free of cost or on payment basis, depending on the relevant Govt. orders.

Introduction of self-appraisal formats, for applying for no-objection certificates through this facility is one of the major services that the department wants to take to applicants premises.



17) Software for High Rise Building NOC processing: System requirement study is completed. Trial implementation starts shortly. It will be linked to department website.

18) **Right To Information details - 2011 and 2012:**

**RTI Statistic for the years 2011 and 2012**

<b>Month</b>	<b>Representations Received</b>	<b>Representations disposed</b>	<b>Amount of Govt. fees collected for issue of documents</b>
January-2011	14	14	5236/-
February-2011	12	12	486/-
March -2011	14	14	255/-
April -2011	09	09	1017/-
May-20011	08	08	68/-
June-2011	08	08	5464/-
July-2011	08	08	90/-
August-2011	03	03	30/-
September-2011	09	09	370/-
October-2011	09	09	130/-
November-2011	09	06	130/-
December-2009	03	06	174/-
<b>Total</b>	<b>106</b>	<b>106</b>	<b>13450/-</b>
January-2012	08	08	2150/-
February-2012	13	13	144/-
March -2012	07	07	2100/-
April -2012	04	04	690/-
May-2012	08	08	190/-
June-2012	07	07	452/-

<b>Month</b>	<b>Representations Received</b>	<b>Representations disposed</b>	<b>Amount of Govt. fees collected for issue of documents</b>
July-2012	04	04	30/-
August-2012	04	04	95/-
September-2012	04	04	269/-
October-2012	07	07	5082/-
November-2012	07	07	314/-
December-2012	07	07	192/-
<b>Total</b>	<b>80</b>	<b>80</b>	<b>11,708/-</b>

#### **19. Facilities provided to the staff:**

1. 30 days salary is paid in lieu of Gazetted holidays on 1<sup>st</sup> June of every year, as per order No. OE 114 KFS dated 20-5-1997 (Earlier this was 15 days with effect from 1982).
2. 100/- is paid in lieu of weekly off as per Govt. order No. OE 122 KFS 2010 dated 19-08-2010.
3. Feeding Charges at the rate of Rs. 40/- in Bangalore and Rs. 30/- outside Bangalore is paid to the employees if they perform more than 6 hours of duty within the municipal limits.
4. Washing allowance at the rate of Rs. 100/- per month is paid as per Govt. Order No. FD 12 SRP 2012(III) dated 14.06.2012, to all the cadres from Firemen to Fire Station Officer. Above this rank, Rs. 100/- per month as washing allowance and Rs. 1500/- per annum as uniform allowance is sanctioned.
5. As per Govt. Order No. FD12 SRP 2012(IX) dated: 14.06.2012, Rs. 135/- is paid per month to Chief Fire Officer /Commandant Academy and Rs. 100/- is paid to F/M, L/F, AFSO, FSO, DFO and RFO as special allowance.
6. Group Insurance Scheme was introduced during 1991, as per Govt. Order No. HD 200 SFB 90 dated 30-11-91. As per this scheme Rs. 1,00,000/- is paid in case of death while on duty, or loss of 2 limbs, or loss of sight of 2 eyes or in case of total disablement. 50% is paid for the loss of one limb or sight of one eye.

7. Ex-gratia payment is made ranging from Rs. 2000/- to Rs. 5,00,000/- for the injuries sustained while on duty, as per Govt. Order No. OE 45 KFS 2005 dated 20-04-2005.
8. Financial Aid is also given from Benevolent Fund for medical expenses, education of children and other welfare activities. The present rules were revised recently in Order No. HD 35 SFB 2004 dated 01-05-2005.
9. Government, vide order No. OE 87 KFS 2001 dated 25/7/02 sanctioned Rs. 4.5 Lakh to provide bus pass to the employees. As per this scheme Rs. 600/- will be paid by the Government and Rs. 650/- by the personnel for every 6 months. This is benefiting about 500 staff. This facility is in existence from 10/2002 onwards.
10. Govt. in order No. OE 90 KFS 2007 dated 30-07-2007 have accepted the proposal of the department to issue free ration to the personnel and officers up to the rank of Fire Station Officers. In the current year a sum of Rs. 97.19 lakhs has been sanctioned as additionally.
11. Govt. in order No. OE 100 KFS 2008 dated 16.09.2008, under Arogya Bhagya Scheme, free medical facilities are provided to the member, his wife and children below 21 years of age.

**20. Total number of the officials (Group A, B, C & D) & Male/Female officers: 2012**

Sl. No	Office/ District	Sanctioned Strength					Actual Strength									
							Men					Women				
		A	B	C	D	Total	A	B	C	D	Total	A	B	C	D	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Head Office	8	3	45	5	61	5	-	12	2	19	-	1	13	2	16
2.	Bagal kote	-	-	149	-	149	-	-	107	-	107	-	-	-	-	-
3.	Bangalore-Urban	3	9	1210	6	1228	3	9	679	2	679	-	-	3	-	3
4.	Bangalore-Rural	-	-	123	-	123	-	-	52	-	52	-	-	-	-	-
5.	Belgaum	-	-	347	-	347	-	-	264	-	264	-	-	-	-	-
6.	Bellary	-	1	264	-	265	-	1	170	-	170	-	-	1	-	1
7.	Bidar	-	-	154	1	155	-	-	106	-	106	-	-	-	1	1
8.	Bijapur	-	-	158	-	158	-	-	126	-	126	-	-	-	-	-

Sl. No	Office/ District	Sanctioned Strength					Actual Strength									
							Men					Women				
		A	B	C	D	Total	A	B	C	D	Total	A	B	C	D	Total
9.	Chamraj nagar	-	-	132	-	132	-	-	45	-	45	-	-	-	-	-
10.	Chikkaballapura	-	-	160	2	162	-	-	48	-	48	-	-	-	-	-
11.	Chikka—magalur	-	-	190	-	190	-	-	104	-	104	-	-	-	-	-
12.	Chitradurga	-	-	173	-	173	-	-	109	-	109	-	-	-	-	-
13.	Dakshina Kannada	1	1	226	-	228	1	1	119	-	119	-	-	1	-	1
14.	Davanagere	-	1	171	-	172	-	1	112	-	112	-	-	-	-	1
15.	Dharwad	1	1	178	-	180	1	1	110	-	110	-	-	1	-	1
16.	Gadag	-	-	156	-	156	-	-	106	-	106	-	-	1	-	-
17.	Gulbarga	-	1	193	-	194	-	1	145	-	145	-	-	-	-	-
18.	Hassan	-	-	191	-	191	-	-	116	-	116	-	-	-	-	-
19.	Haveri	-	-	181	-	181	-	-	129	-	129	-	-	-	-	-
20.	Kodagu	-	-	115	-	115	-	-	53	-	53	-	-	-	-	-
21.	Kolar	-	-	160	-	160	-	-	54	-	54	-	-	-	-	-
22.	Koppal	-	-	160	-	160	-	-	97	-	97	-	-	-	-	-
23.	Mandya	-	-	191	-	191	-	-	105	-	105	-	-	-	-	-
24.	Mysore	-	1	293	-	294	-	1	163	-	163	-	-	-	-	-
25.	Raichur	-	-	158	-	158	-	-	110	-	110	-	-	-	-	-
26.	Ramnagara	-	-	114	2	116	-	-	47	-	47	-	-	-	-	-
27.	Shimoga	-	1	189	-	190	-	1	113	-	113	-	-	1	-	1
28.	Tumkur	-	-	279	-	279	-	-	138	-	138	-	-	-	-	-
29.	Udupi	-	-	108	-	108	-	-	71	-	71	-	-	-	-	-
30.	Uttara Kannada	-	-	279	-	279	-	-	137	-	137	-	-	-	-	-
31.	Yadgir	-	-	94	-	94	-	-	58	-	58	-	-	-		
	<b>Total</b>	<b>13</b>	<b>19</b>	<b>6541</b>	<b>16</b>	<b>6589</b>	<b>10</b>	<b>16</b>	<b>3805</b>	<b>4</b>	<b>3835</b>	<b>-</b>	<b>1</b>	<b>21</b>	<b>3</b>	<b>25</b>

**21.Total number of the officials (Group A, B, C & D) belonging to SC/ST:  
2012**

Sl. No.	District	Sanctioned Strength					Actual Strength									
							Scheduled Castes					Scheduled Tribes				
		J	©	'	r	MIÄÖ	J	©	'	r	MIÄÖ	J	©	'	r	MIÄÖ
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
1	Head Office	5	1	25	4	35			7		7					
2	Bagalkote			107		107			25		25			3		3
3	Bangalore Urban	3	9	682	2	696			114		114			30	1	31
4	Bangalore Rural			52		52			6		6			3		3
5	Belgaum			264		264			41		41			9		9
6	Bellary		1	171		172			33		33			13		13
7	Bidar			106	1	107			25		25			2		2
8	Bijapur			126		126			27		27			3		3
9	Chamrajnagar			45		45			14		14			3		3
10	Chikkaballapura			48		48			9		9			4		4
11	Chikka—magaluru			104		104			23		23					
12	Chitradurga			109		109			17		17			10		10
13	Dakshina Kannada	1	1	120		122			17		17			3		3
14	Davanagere		1	113		114		1	26		27			9		9
15	Dharwad	1	1	111		113			25		25		1	3		4
16	Gadag			106		106			24		24			10		10
17	Gulbarga		1	145		146			35		35			7		7
18	Hassan			116		116			11		11			1		1
19	Haveri			129		129			21		21			5		5
20	Kodagu			53		53			6		6					
21	Kolar			54		54			13		13			3		3
22	Koppal			97		97			30		30			6		6

Sl. No.	District	Sanctioned Strength					Actual Strength									
							Scheduled Castes					Scheduled Tribes				
		J	©	'	r	MIÄÖ	J	©	'	r	MIÄÖ	J	©	'	r	MIÄÖ
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
23	Mandya			105		105			25		25			1		1
24	Mysore		1	163		164			35		35			7		7
25	Raichur			110		110			33		33			10		10
26	Ramnagara			47		47			10		10					
27	Shimoga		1	114		115			22		22			9		9
28	Tumkur			138		138			18		18			11		11
29	Udupi			71		71			7		7			1		1
30	Uttara Kannada			137		137			6		6			5		5
31	Yadgir			58		58			7		7			2		2
	Total	10	17	3826	7	3860	0	1	712	0	713	0	1	173	1	175

## 22.Total number of the officials: SC/ST/Other Groups: 2012

Sl. No.	Name of the Caste	Number of Employees	Sl. No.	Name of the Caste	Number of Employees
1	Adiyan		26	Koya, Bhine Koya,Rajkoya	1
2	Barda		27	Kudiya, Melakudi	
3	Bavacha, Bamcha		28	Kuruba (in Coorg District)	
4	Bhil, Bhil Garasia, Dholi Bhil, Dungri Bhil, Dungri Garasia, Mewasi Bhil, Rawal Bhil, Tadv Bhil, Bhagalia, Bhilala, Pawra, Vasasva, Vasave		29	Kurumans	
5	Chenchu, Chenchwar		30	Maha Malasar	
6	Chodhara		31	Malaikudi	
7	Dubla, Talavia, Halpati		32	Malasar	
8	Gamit, Gamta, Gaviti, Mavchi, Padvi, Valvi		33	Malayekandi	
9	Gond, Naikpod, Rajgond	5	34	Maleru	1

<b>Sl. No.</b>	<b>Name of the Caste</b>	<b>Number of Employees</b>	<b>Sl. No.</b>	<b>Name of the Caste</b>	<b>Number of Employees</b>
10	Gowdalu		35	Maratha (in Coorg District)	
11	Hakkipikki		36	Marati (in South Canara District)	2
12	Hasalaru		37	Meda, Medari, Gauriga, burud (2003)	20
13	Irular		38	Naikda, Nayaka, Cholival, Nayaka, Kapadia Nayaka, Mota Nayaka, Nana Nayaka, Naik, Nayak, Beda, Bedar and Valmiki	140
14	Iruliga		39	Palliyan	
15	Jenu kuruba		40	Paniyan	
16	Kadu kuruba	5	41	Pardhi, Advichincher, Phanse Pardhi, HARANSHIKARI (2003)	
17	Kammara (in South Canara District and Kollegal Taluk of Mysore District)		42	Patelia	
18	Kaniyan, Kanya (in Kollegal Taluk of Mysore District)	1	43	Rathawa	
19	Kathodi, Katkari, Dhor Kathodi, Dhor Katkari, Son Kathodi, Son Katkari		44	Sholaga	
20	Kattunayakan		45	Soligaru	
21	Kokna, Kokni, Kukna		46	Toda	
22	Koli Dhor, Tokre Koli, Kolcha, Kolgha	1	47	Varli	
23	Konda Kapus		48	Vitolia, Kotwalia, Barodia	
24	Koraga		49	Yerava	
25	Kota		50	Siddi (in North Canara District) (2003)	

**H. Total number of the officials: SC/ST/Other Groups:**

<b>Sl. No.</b>	<b>Name of the Caste</b>	<b>No. of Employees</b>	<b>Sl No.</b>	<b>Name of the Caste</b>	<b>No. of Employes</b>	<b>Sl No.</b>	<b>Name of the Caste</b>	<b>No. of Employees</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>	<b>(7)</b>	<b>(8)</b>	<b>(9)</b>
1	Adi Andhra	5	24	Bindla		47	Jambuvulu	
2	Adi Dravida	47	25	Byagara	1	48	Kadaiyan	
3	Adi Karnataka	183	26	Chikiliyan		49	Kalladi	
4	Adiya (in Coorg District)		27	Chalavadi Chalvadi, Channayya	20	50	Kepmaris	
5	Ager		28	Chendala		51	Kolupu vandlu	
6	Ajila		29	Chenna Dasar, Holaya Dasar	2	52	Koosa	
7	Anamuk		30	Dakkal, Dokkalwar		53	Koracha and Synonym castes are Korachar	1
8	Aray Mala		31	Dakkaliga		54	Korama and Synomum castes are Korava, Koravar	26
9	Arunthathiyar		32	Dhor, Kakkayya, Kankayya	2	55	Kotegar, Metri	
10	Arwa Mala		33	Dom, Dombara, Paidi, Pano	1	56	Kudumban	
11	Baira	3	34	Ellamalwar, Yellammal awandlu		57	Kuravan	
12	Bakad		35	Ganti Chores		58	Lingader	



Sl. No.	Name of the Caste	No. of Employees	Sl No.	Name of the Caste	No. of Employes	Sl No.	Name of the Caste	No. of Employees
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
13	Bant (in Belgaum, Bijapur, Dharwad and North Canara District)		36	Garoda, Garo		59	Machala	
14	Bakuda	2	37	Godda	1	60	Madari	1
15	Balagai		38	Gosangi		61	Madiga	27
16	Bandi		39	Haleer		62	Mahar, Taral, Dhegu Megu	1
17	Banjara, Lambani & Synonym castes are Lambada, Lamank, Sugali, Sukali	149	40	Halsar, Haslar, Hulasvar, Halasvar		63	Mahyavans hi, Dhed, Vankar, Maru Vankar	
18	Bathada		41	Handi jogis		64	Maila	
19	Beda Jangam, Budga, Jangam		42	Hasla		65	Mala	2
20	Bellara		43	Holar, Valhar		66	Mala Dasari	1
21	Bhangi, Mehtar, Olgana, Rakhi, Malkana, Halakhor, Lalbegi, Bamiki, Korar, Zadrnalli		44	Holaya, Holer, Holeya	92	67	Mala Hannai	
22	Bhambi, Bhambhi, Asadau, Asodi, Chammad ia,	68	45	Holeya Dasari		68	Mala Jangam	

Sl. No.	Name of the Caste	No. of Employees	Sl No.	Name of the Caste	No. of Employes	Sl No.	Name of the Caste	No. of Employees
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Chamar, Chambhar Chamgar , Haralayya Harali, Khalpa, Machigor, Mochigar, Madar, Madig, Mochi, Muchi, Telugu Mochi, Kamati Mochi, Renigar, Rohidas, Rohit, Samagar							
23	Bhovi and Synonym castes are Od, Odde, Vaddar, Waddar, Voddar, woddar,	58	46	Joggali		60	Mala Meen	
70	Mala Sale, Netkani		80	Mundala	8	90	Pariyan, Paraya	1
71	Mala Sonyasi		81	Nadia, Hadi		91	Paravan	
72	Mang, Matang, Minimadig		82	Nalkanday a		92	Raneyar	
73	Mang Garudi, Mang Garodi		83	Nalakeyava		93	Samagara	6
74	Manne		84	Nayadi		94	Samban	
75	Masthi		85	Pale		95	Sapari	
76	Mavilan		86	Pallan		96	Sillekyatha s	2
77	Meghval,		87	Pambada		97	Sindhollu,	

Sl. No.	Name of the Caste	No. of Employees	Sl No.	Name of the Caste	No. of Employees	Sl No.	Name of the Caste	No. of Employees
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Menghvar						Chindhollu	
78	Moger	3	88	Panchama		98	Sudugadu Siddha	1
79	Mukri		89	Panniandi		99	Thoti	
						100	Tirgar, Tirbanda	
						101	Valluvan	

a. **Vacancy position- 2012/ Shortage-2012/ Retirements due during the year 2012:**

1. The Department is headed by the Director General of Police and Director General of Fire & Emergency Services. The sanctioned strength, actual strength and vacancies of the Karnataka Fire & Emergency Services Department from 01-01-2012 to 31-12-2012 (both executive and ministerial staff), are as follows:

**Office of the Director General of Police and Director General- 2012:**

Sl. No	Post	Sanctioned	Actual	Vacancy	Shortfall %
1.	Inspector General of Police and Additional Director General	01	01	--	
2.	Deputy Inspector General	01	01	--	
3.	Director	01	01	--	
4.	Deputy Director (Adm)	01	01	--	
5.	Deputy Director (Tech)	01	01	--	
6.	Deputy Director (Insp)	01	--	01	
7.	Regional Fire Officer (Insp)	02	--	02	
8.	Administrative Officer	01	--	01	
9.	Assistant Controller of Accounts	01	--	01	
10.	Assistant Administrative Officer	01	01	--	

<b>Sl. No</b>	<b>Post</b>	<b>Sanctioned</b>	<b>Actual</b>	<b>Vacancy</b>	<b>Shortfall %</b>
11.	Superintendent	07	05	02	
12.	District Fire Officer (Stores)	01	01	--	
13.	First Division Assistant	08	05	03	
14.	Second Division Assistant	10	07	03	
15.	Typist	03	03	--	
16.	Stenographer	03	01	02	
17.	Driver	11	03	08	
18.	Motor Cycle Rider	02	--	02	
19.	Dalayath	05	04	01	
	<b>Total Staff Strength details of 180 Fire Stations and units – 2012</b>				
01	Chief Fire Officer	04	04	--	
02	Regional Fire Officer	11	11	--	
03	District Fire Officer	45	29	16	
04	Fire Station Officer	184	132	52	
05	Assistant Fire Station officer	195	162	33	
06	Leading Firemen	812	670	142	
07	Driver Mechanic	148	39	109	
08	Firemen Driver	928	644	284	
09	Firemen	3274	2058	1216	
10	Superintendent	02	--	02	
11	First Division Assistant	05	04	01	
12	Second Division Assistant	10	06	04	
13	Typist	02	01	01	
15	Dalayath	03	--	03	
16	Sweeper	02	01	01	
	<b>Staff sanctioned for the 32 Fire stations- yet to be opened.</b>				
01	District Fire Officer	08	--	08	

<b>Sl. No</b>	<b>Post</b>	<b>Sanctioned</b>	<b>Actual</b>	<b>Vacancy</b>	<b>Shortfall %</b>
02	Fire Station Officer	30	--	30	
03	Assistant Fire Station officer	31	--	31	
04	Leading Firemen	130	--	130	
05	Driver Mechanic	29	--	29	
06	Firemen Driver	162	--	162	
07	Firemen	386	--	386	
08	Second Division Assistant	02	--	02	
09	Dalayath	01	--	01	
10	Sweeper	01	--	01	
	<b>R.A.Mundkur Fire &amp; Emergency Service Academy, Bangalore.</b>				
01	Commandant	01	01	--	
02	Regional Fire Officer (Trg)	01	01	--	
03	District Fire Officer (Trg)	07	06	01	
04	Fire Station Officer (Trg)	06	06	--	
05	Superintendent	01	01	--	
06	Leading Firemen	05	05	--	
07	Firemen Driver	02	01	01	
08	Firemen	15	07	08	
09	First Division Assistant	02	02	--	
10	Second Division Assistant	01	01	--	
11	Gardener	02	02	--	
12	Sweeper	02	--	02	
	<b>Emergency Para Medical Services (EPMS) (R.A.Mundkur Fire &amp; Emergency Services Academy)</b>				
1	Regional Fire Officer	01	01	--	
2	District Fire Officer	02	--	02	
3	Fire Station Officer	02	02	--	
4	Leading Firemen	02	02	--	
5	Firemen Driver	02	--	02	

Sl. No	Post	Sanctioned	Actual	Vacancy	Shortfall %
6	Firemen	08	--	08	
	<b>Search And Rescue (SAR) (R.A.Mundkur Fire &amp; Emergency Services Academy)</b>				
1	Regional Fire Officer	01	01	--	
2	District Fire Officer	02	01	01	
3	Fire Station Officer	02	02	--	
4	Leading Firemen	06	06	--	
5	Firemen Driver	02	--	02	
6	Firemen	15	--	15	
	<b>Wireless Workshop</b>				
1	Police Inspector –Wireless	01	--	01	
2	Sub-Inspector – Wireless	02	--	02	
3	Asst. Sub-Inspector – Wireless	06	--	06	
4	Firemen	02	02	--	
	<b>Fire Service Workshop, Bangalore</b>				
1	Regional Fire Officer	01	01	--	
2	District Fire Officer (Mech)	01	01	--	
3	Fitter Class-I	01	--	01	
4	Fitter Class-II	01	--	01	
5	Fitter Class-III	01	01	--	
6	Driver Mechanic	11	08	03	
7	Fireman Driver	01	01	--	
8	Welder	01	--	01	
9	Painter	01	01	--	
10	Electrician	01	--	01	
11	Carpenter	01	01	--	
12	Cleaner	01	--	01	
	<b>Total</b>	<b>6589</b>	<b>3860</b>	<b>2729</b>	

2. **Details about retiring personnel:** In total, 37 personnel retired in the year 2012 and 39 personnel are listed for retirement in the year 2013.

**b. Number of outsourced staff:**

Except for the temporary appointment of one sweeper per Fire Station, for a period of 11 months, no other cadres are outsourced in this department.

**c. Number of officers who attended training program and nominated officers name for training:**

**Within the State**

<b>Year</b>	<b>Place &amp; Nature of Training</b>	<b>Designation of trainee officers</b>	<b>Period of training</b>
2010	Training in Disaster Management at ATI, Mysore	CFO – Mangalore RFO- Training RFO- Bangalore East DFO – Mahadevapura DFO - Kolar DFO – Tumkur DFO – Haveri DFO – Davanagere DFO – Bellary DFO – Chamrajnagar DFO –Belgaum DFO –Hassan DFO –Hebbal FSTO- North F/S FSTO- Rescue Unit	04.01.2010 to 08.01.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 26.04.2010 to 30.04.2010 05.07.2010 to 09.07.2010 05.07.2010 to 09.07.2010 05.07.2010 to 09.07.2010 05.07.2010 to 09.07.2010 05.07.2010 to 09.07.2010

<b>Year</b>	<b>Place &amp; Nature of Training</b>	<b>Designation of trainee officers</b>	<b>Period of training</b>
2011	Training in Disaster Management at ATI, Mysore	RFO - Academy RFO – EPMS RFO – SAR RFO – Bangalore East RFO – Mysore	17.01.2011 to 18.01.2011
	Management of Industrial & Chemical Disasters	DFO – Academy DFO – Belgaum DFO – Bangalore North DFO – Chitradurga DFO – Udupi	13.06.2011 to 17.06.2011
	Flood & Earth quake Management	CFO – Hubli FSTO – Gulbarga DFO – Gulbarga	20.06.2011 to 24.06.2011
	T.O.T Training	Commandant, Academy RFO – Academy	01.07.2011 to 02.07.2011
	Risk Mitigation Training	CFO – Bangalore East RFO – Shimoga DFO – Hassan	25.07.2011 to 29.07.2011
	Management of Industrial & Chemical Disasters	DFO – Mysore DFO – Bangalore South DFO – Bellary DFO – Kolar	25.07.2011 to 29.07.2011
2012	Training in Disaster Management at ATI, Mysore	FSTO – Pandeshwara FSTO – Karkala FSTO – Kundapura FSTO – Bhadravathi FSTO – Karwar FSTO – Shikaripura	23.07.2012 to 27.07.2012



<b>Year</b>	<b>Place &amp; Nature of Training</b>	<b>Designation of trainee officers</b>	<b>Period of training</b>
	Training in Urban Disaster Risk Mitigation & Management at ATI, Mysore	DFO – Bangalore North DFO – Hebbal DFO – Bagalkot FSTO – Hebbal FSTO – Chitradurga FSTO – Shira FSTO – Bijapur FSTO – Hubli	21.08.2012 to 25.08.2012
	Training in Urban Disaster Risk Mitigation & Management at ATI, Mysore	DFO – Academy	21.08.2012 to 25.08.2012
	Training in Industrial & Chemical Disaster at ATI, Mysore	Commandant – Academy RFO – Academy RFO – Bellary RFO - Davanagere RFO – Bangalore South RFO – Shimoga	27.08.2012 to 31.08.2012

#### **Out Side Karnataka State**

<b>Year</b>	<b>Place &amp; Nature of Training</b>	<b>Designation of trainee officers</b>	<b>Period of training</b>
2010	Training Program on Road Accidents, at New Delhi	DFO – Mahadevapura DFO - North	25.08.2010 to 27.08.2010
	Marching Towards Fire Safe India, Conference at Chennai	RFO – EPMS Academy	17.08.2010
	Disaster Database Management, New Delhi	CFO - Mangalore RFO – Bangalore North	10.05.2010 to 14.05.2010

<b>Year</b>	<b>Place &amp; Nature of Training</b>	<b>Designation of trainee officers</b>	<b>Period of training</b>
	Training of Trainers, at Vishkhapattanam Tamil Nadu	RFO – Training (Trg) Academy	08.02.2010 to 20.03.2010
2011	Basic Disaster Management Training, NIDM, New Delhi	RFO – Academy RFO – Mysore DFO – Mahadevapura	21.02.2011 to 25.02.2011
	Indian International Security Expo-2011, New Delhi	Director, Karnataka Fire & Emergency Services, Bangalore	14.10.2011 to 15.10.2011
2012	Forensic Aspects of Fire & Arson Investigation Training, New Delhi	CFO – Bangalore East RFO – Bangalore South	15.10.2012 to 19.10.2012
	Forensic Aspects of Fire & Arson Investigation Training, New Delhi	CFO – Mangalore CFO – Bangalore West RFO – Bangalore West RFO - Mysore	23.07.2012 to 27.07.2012

#### **Out Side India**

<b>Year</b>	<b>Place &amp; Nature of Training</b>	<b>Designation of trainee officers</b>	<b>Period of training</b>
2008	HAZMAT specialization course, at Singapore	CFO- Bangalore East	10.03.2008 to 28.03.2008
	Disaster Management Workshop, at Subic Bay, Phillipines	CFO - Mangalore	14.04.2008 to 17.04.2008
2009	SCPTA-Emergency Management Workshop, at Singapore	Deputy Director (Tech) CFO – Bangalore West	19.08.2009 to 25.08.2009
2010	Fire Service College, United Kingdom, T.O.T, U.S.A.R Training & M.F.R training	Sri T.N Shivashankar RFO, R.A Mundkur Academy, Bangalore Sri C.Gurulingaiah RFO, Shimoga Range Sri Eshwar Naik DFO, Academy	28.02.2011 to 25.03.2011

d. **Exemplary achievements:**

- a. Karnataka State Fire and Emergency Services have a dual mandate of fire prevention and safety, fire fighting/suppression, as well as disaster preparedness and management.
- b. Fire and Emergency Department is responding to **multi-hazards** and hence the department is a '**Multi-hazard Response Department**' and each Fire Station is a '**Multi-hazard Response Unit**'.
- c. The department is geared up to respond to '**Natural disasters**' like flood, drought, earthquakes, heat waves, cold waves, avalanches, forest fires, cyclones, landslides, volcano etc. and '**Man made Disasters**' like industrial and chemical disasters, building collapses, road accidents, rail mishaps, maritime disasters, oil spills, space disasters, atomic disasters, stampede, oil platform & oil well disasters, bomb blasts, electrical disasters, poisonous gas leakages, acts of war etc.
- d. By virtue of the nature of job, it demands appropriate rewards, commendations, medals, appreciation, recognition etc.
- e. In the year 2012, the department, in the entire State, has attended a total of 18,464 Fire Calls involving property worth Rs. 13,39,85,80,612/- out of which Rs. 11,35,25,99,150/- has been saved. In total 1436 rescue calls have been attended and in these rescue calls 1249 human lives were involved. Out of these involved human lives, 634 died and 615 have been saved.
- f. To recognize the exemplary service of the personnel, Chief Ministers Gold Medal, Presidents medal for meritorious service and president's medal for distinguished services are awarded to officers and personnel of this department. The list of medals awarded is as below:

Sl. No.	Year of Award	Type of Medal	Number of recipients
03	2010	a. Presidents Distinguished Service Medals b. Presidents Meritorious Service Medals c. Chief Ministers Gold Medals	a. 02 nos. b. 17 nos. c. 48 nos.

<b>Sl. No.</b>	<b>Year of Award</b>	<b>Type of Medal</b>	<b>Number of recipients</b>
04	2011	a. Presidents Distinguished Service Medals b. Presidents Meritorious Service Medals c. Chief Ministers Gold Medals	a. ---- b. 05 nos. c. 46 nos.
05	2012	a. Presidents Distinguished Service Medals b. Presidents Meritorious Service Medals c. Presidents Meritorious Service Medal during Independence day d. Chief Ministers Gold Medals	a. 01 no. b. 06 nos. c. 04 nos. d. 46 nos.

**g. Number of administrative inspections and findings:**

Around 78 administrative inspection reports have been analyzed to list the findings. Some of the important findings are listed below:

- The unit officers, especially newly inducted officers have to learn more about Station maintenance and Vehicle maintenance.
- Fire Station buildings and staff quarters, which are under construction, have to be supervised by the unit officers.
- The office staff of all the Drawing and Disbursing Officers needs further training in handling accounts matter, maintaining office records etc.
- Refresher and advance courses for capacity building are needed to personnel at different levels
- Training the personnel in handling special equipments is needed

## CHAPTER 6

### 1. Workload and performance related to audit observations:

- a. The nature of work performed by this department can be assessed based on the designation of this department from 1964 onwards. It was Karnataka Fire Force in the year 1964, having scope of dealing with fires. The department was re-designated as Karnataka Fire Services in the year 1989, widening the scope by including rescue operations along with fire fighting. Government of India, in the year 2004 delegated additional responsibility of responding to “Multi-hazard response and First Responders for all emergencies” and changing the designation of the department as, Karnataka State Fire and Emergency Services. Thus the department responds to all emergencies involving life and property, all disasters etc.
- b. In the year 2010, the department, in the entire State, has attended a total of 12,866 Fire Calls involving property worth Rs. 835,61,89,738/- out of which Rs. 719,07,28,024/- has been saved. In total 1228 rescue calls have been attended and in these rescue calls 1447 human lives were involved. Out of these involved human lives, 681 died and 863 have been saved. This indicates the volume of task performed by the department.
- c. The Audit Department is conducting Performance Audit of this department, covering the period 2006-07 to 2010-11. The Audit has commenced during February 2011 and there was an entry conference with the Secretary, Home Department on 18.04.2011.
- d. The completion of performance Audit is expected by the end of July and a summary of details of observations made by the Audit will be available. The department is awaiting the final report for complying and implementing the Audit observations.

### 2. Litigations:

The litigation details are as below:

KAT cases	High Court Cases	Civil Court Cases		D.C Court
		MVC Cases	O.S Cases	
21	11	04	11	01

## 3. Number of legislative questions received and answered- 2010 to 2012:

<b>Year</b>	<b>No. of questions received</b>	<b>No. of questions answered</b>
2010	22	22
2011	16	16
2012	27	27

**ANNEXURE****1. VEHICLES & EQUIPMENTS:**

<b>Sl. No.</b>	<b>Type of vehicle</b>	<b>Available</b>	<b>Under Fabrication</b>	<b>Tendered</b>
01	Water Tenders with water tank of 4500 liters.	362	18	22
02	Water Lorries with water tank of 9000 liters.	40	-	-
03	Water Bouzers with water tank of 16,000 liters.	25	-	-
04	Foam Tenders	02	-	-
05	Towing Tenders	55	-	-
06	Advance Rescue Van	12	-	-
07	Medium Rescue Van	11	-	-
08	Ambulance	09	-	-
09	TTL 37 m working height	01	-	01
10	Hydraulic Platform 30 m, 32 m and 52 m working height	03	-	-
11	Portable Pumps	328	-	-
12	High Pressure Pumps	30	-	30
13	Varuna- Water Mist Technology mounted on Jeep	06	-	21
14	Agni -Water Mist Technology mounted on Motor Cycle	04	-	07
15	Utility Vehicles	194	-	-
16	Generators	84	-	-
17	Inflatable lights	128	-	-

**2. FIRE STATION BUILDINGS:**

	<b>Permanent Fire Station Buildings</b>	<b>Temporary Fire Station Buildings</b>	<b>Rented Buildings</b>	<b>Fire Station Building under construction</b>
<b>Details of Fire Station Buildings</b>	136	49	09	40

**3. STATION QUARTERS:**

	<b>Total quarters available for 180 Fire Stations</b>	<b>Quarters under construction by PWD at 09 places</b>	<b>Quarters under construction by KSPHC at 57 places</b>	<b>Quarters under construction by KUIDFC at 06 places</b>	<b>Percentage of Available Quarters</b>
<b>Details of Staff quarters</b>	1597	06	903	92	37.97%

**4. Details of Fire calls attended during past 3 years (2010/2011/2012) in the State:**

<b>Year</b>	<b>Total Number of Calls attended</b>	<b>Property Involved (In Lakhs)</b>	<b>Property Saved (In Lakhs)</b>	<b>Human Lives Saved</b>
2010	12,866	83562.00	71907.00	865
2011	19,220	165970.00	87351.00	977
2012	18,464	133985.80	113525.99	615

**5. Vacancy Statement, as on 31.12.2012:**

<b>Sl. No.</b>	<b>Office</b>	<b>Sanctioned</b>	<b>Actual</b>	<b>Vacancy</b>
01	Head Office	61	35	26
02	Academy	45	33	12
03	Fire Service Workshop	22	14	08

<b>Sl. No.</b>	<b>Office</b>	<b>Sanctioned</b>	<b>Actual</b>	<b>Vacancy</b>
04	Wireless Workshop	11	02	09
05	Fire Stations	5625	3761	1864
06	New Fire Stations – Including 4 Clerical Staff (Proposed)	780	-	780
07	Search and Rescue Unit	28	10	18
08	Emergency Paramedical Services	17	5	12
	<b>Total</b>	<b>6589</b>	<b>3860</b>	<b>2729</b>

### **Glossary of Technical Terms: Abbreviations**

#### **Abbreviations**

#### **Expansions**

ADB	Asian Development Bank
APMC	Agricultural Produce Market Committee
BMTPC	Building Material and Technology Promotion Council
BPCL	Bharat Petroleum Company Ltd.
BWSSB	Bangalore Water Supply and Sewerage Board
CAGR	Compounded Annual Growth Rate
CCA	City Compensatory Allowance
CFO	Chief Fire Officer
DA	Dearness Allowance
DBMS	Data Base Management System
DFO	District Fire Officer
DFS	Delhi Fire Service
DG/ DGP	Director General / Director General of Police
DIG	Deputy Inspector General
DMO	Direct Mode Operation



**Abbreviations****Expansions**

ECHO	European Commission Humanitarian Aid Office
EMS	Emergency Medical Services
FM	Fireman
FS	Fire Station
FSO	Fire Station Officer
GIS	Geographic Information System
GOI	Government of India
GOK	Government of Karnataka
GPS	Global Positioning System
HPCL	Hindustan Petroleum Corporation Ltd.
HQ	Head Quarters
HRA	Housing Rent Allowance
IG	Inspector General of Police/ Director General of Police
IMD	Indian Meteorological Department (IMD)
IOCL	Indian Oil Company Ltd.
IPS	Indian Police Service
ISHA	Indian Society of Health Administrators
JD	Joint Director
KEB	Karnataka Electricity Board
KFFA-1964	The Karnataka Fire Force Act - 1964
K-SAFE 2010	Karnataka State Fire and Emergency Services Improvement Project -2010
KSFES	Karnataka State Fire and Emergency Services
KSRTC	Karnataka State Road Transport Corporation
KUIDFC	Karnataka Urban Infrastructure Development and

**Abbreviations****Expansions**

	Finance Corporation
LFM	Leading Fire Man
LPM	Liters Per Minute
MIS	Management Information System
NCT	National Capital Territory
NGO	Non-Government Organization
NKUIDP	North Karnataka Urban Infrastructure Development Project
NOC	No Objection Certificate
O and M	Operation and Management
PRO	Public Relation Office
PWD	Public Works Department
RDBMS	Relational Data Base Management System
RFO	Range/ Regional Fire Officer
SFAC	Standing Fire Advisory Committee
SOS	Secretary of the State
SRS	Software Requirement Specification
TAM	Talk Around Mode
TISCO	Tata Iron and Steel Company Ltd.
ULB	Urban Local Bodies

BBMP : Bruhat Bengaluru Mahanagara Palike

BDA : Bangalore Development Authority

BEML : Bharat Earth Movers Limited

BHEL : Bharat Heavy Electricals Limited

BLR : Bangalore

BT : Biotechnology

CFO : Chief Fire Officer

CIP : Capital Investment Plan  
CMC : City Municipal Council  
CUG : Closed User Group  
DBMS : Data Base Management System  
DFO : District Fire Officer  
DMO : District Mode Operation  
FHR : Fire Hazard Response  
FM : Firemen  
FS : Fire Station  
FSO : Fire Station Officer  
GE : General Electric  
GIS : Geographic Information System  
GPS : Global Positioning System  
HAL : Hindustan Aeronautics Limited  
INTR : Interim Report  
IPS : Indian Police Service  
IR : Inception Report  
ISRO : Indian Space Research Organization  
IT : Information Technology  
ITES : Information Technology Enabled Services  
ITPB : International Technology Park Bangalore  
HQ : Headquarter  
JNNURM : Jawaharlal Nehru National Urban Renewal Mission  
KMPH : Kilometer Per Hour  
KSFES : Karnataka State Fire and Emergency Services  
KSFS : Karnataka State Fire Service  
KSRTC : Karnataka State Road Transport Corporation  
LFM : Leading Fireman  
MAH : Major Accident Hazard  
MIS : Management Information System  
MP : Mitigation Plan  
NAL : National Aerospace Laboratories  
NOC : No Objection Certificate

O&M : Operation & Maintenance

PE : Private Equity

RFO : Regional Fire Officer

RV : Rescue Van

SFAC : Standing Fire Advisory Committee

Sq. km : Square Kilometer

SRS : Software Requirement Specification

STPI : Software Technology Parks of India

TMC : Town Municipal Council

TTL : Turn Table Ladder

VIP : Very Important Person

