



**GOVERNMENT OF KARNATAKA**

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

***ANNUAL REPORT (01-01-2013 to 31-12-2013)***  
***(January to December)***



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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 (Fire Prevention)                  | - Department Officer.                        |
| 7) Administrative Officer                             | - Department Officer.                        |
| 8) Asst. Controller of Accounts                       | - On posting from State 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. A Commandant of the rank of Chief Fire Officer is looking after R.A. Mundkur Academy, located at Bangalore. 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 185 Fire Stations and 5 Fire Protection Squads (Vidhana Soudha, MS Building, VV tower and High Court & Raj Bhavan) in 155 taluks out of 176 taluks in 30 districts. In addition to this, another 27 Fire Stations, sanctioned by the Government, are yet

to be opened. These 27 Fire Stations will cover all the remaining 21 taluks and additional requirement of Bangalore City. Out of functioning 185 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 12 nos. of Fire Stations in Bangalore City, which function on 3 shifts, the remaining 173 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 at 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, Power take off and pumps of the department vehicles 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. The process of procurement of wireless sets and wireless batteries for the Finance Year 2013-14 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:**

- ✓ 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;
- ✓ to reach the fire spot, within a minimum response time of 10 minutes, by zoning the area and coordinating with traffic regulators, based on fire risk;
- ✓ to enhance the number of Fire Stations, scientifically designing and locating the Fire Stations;
- ✓ to acquire and position need based hi-tech vehicles and equipments in the fire stations;
- ✓ to impart the state of the art advanced training to personnel and officers;
- ✓ to adopt fleet management and location finding gadgets to all emergency vehicles(GPS);
- ✓ to set up state of the art static as well as mobile command and control systems;
- ✓ to procure multirole and all-rounder vehicles and equipments;
- ✓ to bring all the Fire Stations and other allied agencies under a computer network for disaster management and real time management of a situation;
- ✓ to standardize the operational procedures and best practices;
- ✓ to revamp the service by means of reforms in the department and
- ✓ to live up to the expectation of the dictum “ We Serve to Save”, both during peace as well as war times.



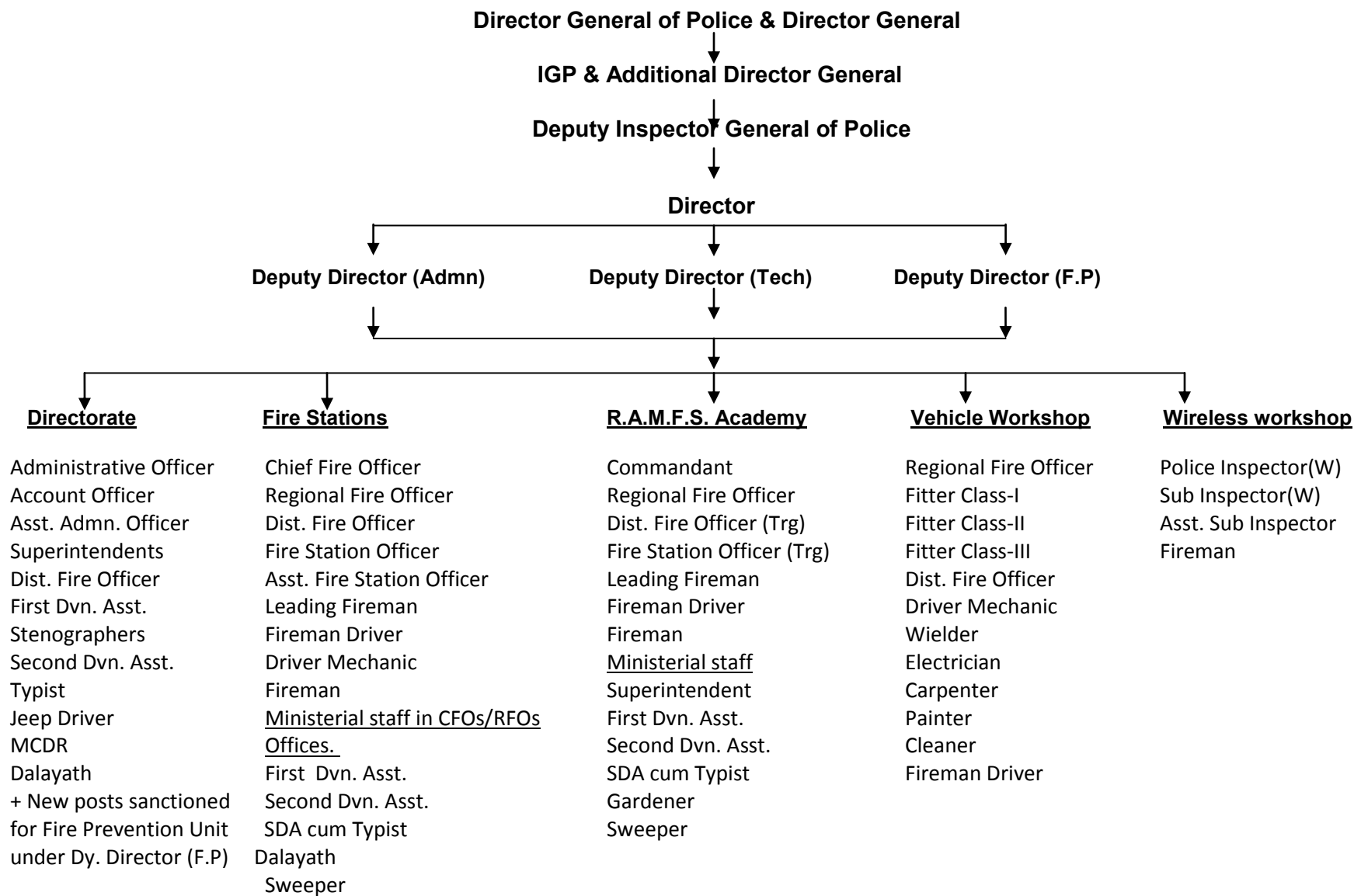
## **OBJECTIVES OF THE DEPARTMENT**

- To save life and property of people from fire & other emergencies
- To search and rescue from 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, warehouse / Godowns, 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 grass 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 workers, 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:

Under the command of the Head of the Department, this 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, it has been decided to review and revise the standing order by appointing a review committee. It is a directive issued by Head of the Department and it is binding upon all personnel.

### 2) Departmental 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. Through Circulars, regular directions are given to subordinate offices, for the smooth functioning of the department. 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 being an emergency service department; has to respond 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 constant revision, depending on the field requirements.

### 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 godowns etc. This notification needs revision and it is in draft stage.

8) **Cadre & Recruitment Rules:**

Government in **Notification** No. HD 146 SFB 2008 dated: 10.09.2013 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 to **10<sup>th</sup> Standard Pass** in respect of Firemen Driver Mechanics and Fireman Drivers.

The qualifying age in respect of Fireman, Fireman Driver and Driver Mechanic is reduced from **38 & 33 year to 28 & 26 years** for reservation and general categories. In respect of Fire Station Officers, the minimum age in 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 05 new fire stations at Raibagh, Mundagodu, Bangarapete, Srinivasapura and Dharwad have been opened.
- 16 New Fire Station Buildings and 336 New Staff Quarters have been constructed
- Out of grant of Rs. 2370.05 Lakhs, out of 38 places, construction of 06 nos. of Fire Station buildings at Chitguppa, Raichur, Kukanoor, Ankola, Gudibande & Sulya and 98 Staff Quarters at Gundlupete, Sulya, Chitguppa, Mundargi, Gudibande, Srirangapatna & R.A. Mundkur Fire Service Academy have been taken up.
- Out of Rs. 36,83,79,000/- grants, procurement of 23 water tender chassis, 21 Quick Response Vehicles, Uniforms for Fire Service Personnel, Combi tools, 60 TVS Motor Bikes, 07 USAR Equipments, 36 High Pressure Pumps, 24,000 ltrs. of Foam Compound, 2,300 Delivery Hose Pipes, 80 Aska Lights, 270 Suction Hose Pipes, 30 Mist Technology Backpack units and 02 Advance Rescue Vehicles, Fabrication of 01 Breathing Apparatus Van, 13 Water Bouzers, 10 Water Tenders and 15 re-fabrication of Water Tenders is in progress.
- In the year 2013-14 using Rs. 23,44,00,000/- re-fabrication of 15 nos. of Water Tenders, 23 nos. of new Water Tenders, fabrication 02 nos. of Advanced Rescue Vans, fabrication of 10 nos. of Water Bouzers and fabrication of 01 Breathing Apparatus Van are in different stages.
- In the year 2012-13, process to procure 25 nos. of Trussed Type Ladders, 28 nos. of Breathing Sets, 02 nos. of 120 KVA Generators, 12 nos. of Handy cams, 01no. of Victim Location Camera, 02 nos. of Multi Gas Detectors, 02 nos. of (14 inch) Multi Driven Cutter, 86 nos. of Solar Lighting, 86 nos. of Water Purifiers, 86 nos. of Air Purifiers, 03 nos. of (Agni) Motor Bikes, Wireless Batteries, Spiral Binding Machine, 20 nos. of Still Cameras, 20 nos. of Mega Phones, 12 nos. of Proximity Suits, 04 nos. of Tough Glass Cutters, Tyre and Batteries, Rain Coats, Audio System (Training), Lamination Machine, Grass Cutter, Television, Water Purifier (Station), Hi-Tech Printer, Computers, Laptops, 17 nos. of Sets Mist Tech Backpacks, 22 nos. of Trolley Type Mist Technology is in different stages.
- In the year 2013, 44 nos. of mock drills, 1388 nos. of fire fighting and rescue technique demonstrations have been arranged.
- In the year 2013 this department has attended 15,925 nos. of fire calls and 299 nos. of special service calls, thereby saving 673 lives. In these fire calls property worth Rs. 797,43,73,272/- was involved and Rs. 576,37,96,492/- was lost.
- In the year 2013 during Independence day, the Hon. President of India awarded 05 Meritorious medals to fire service personnel and during Republic day, the Hon. President of India awarded 03 Distinguished and 04 Meritorious medals to fire service personnel
- In the year 2013, Hon'ble 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 3791 posts, 3600 officers and personnel opted the membership of Arogya Bhagya Scheme. Under this scheme, at present, 170 hospitals have been enrolled. So far 610 officers/personnel have availed the benefits under this scheme at an expense of Rs. 81,75,533/-

## 2. Project: K SAFE 2010:

1. 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 10.08.2005 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 taluks.
- b) Up-gradation and Modernization.
- c) Disaster management/preparedness.
- d) Search and Rescue Operations (SAR).

2. Under SDP (Special Development Project) Rs. 20 crore has been sanctioned during 2010, Rs. 15 crores sanctioned during 2011, Rs. 20 crores sanctioned in the year 2012 and out of 15 crores, Rs. 3 crore has been sanctioned in the year 2013.
3. Under Modernization Scheme of Govt. Of India Rs. 16.50 lakhs has been sanctioned.

## 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 185 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 (2009-13), KSFES receives about 11,500 fire calls and 1521 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 riskassessment 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 ( 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	-	2	1,000.00
Advanced Rescue Vans	4	2	2	200.00
Water Tender	44	27	17	510.00
Water Lorry	10	10	-	-
Water Bouzer	10	07	03	90
Foam Tender	02	02	-	-
Water Mist on Motorbike (Agni)	20	04	16	160.00
Water Mist on Jeep (Varuna)	10	04	06	90.00
High Pressure Pumps	20	04	16	80.00
Portable Pumps	44	43	01	03.00
Aerial Ladder Platform	05	02	03	1000.00
Turn Table Ladder	03	01	02	1000.00
Control Post Van (Incident Control Vehicle)	02	01	01	30.00
Jeep	20	07	13	91.00
Light Tower-Inflatable Light Mast	27	11	16	48.00
Generator	29	13	16	09.60
Motor Cycle	28	13	15	07.50
<b>Total</b>	<b>280</b>	<b>151</b>	<b>129</b>	<b>4,319.10</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**

Sl. No.	Project Component	Numbers	Total Cost in lakhs
<b>I.</b>	<b>Existing Fire Stations 20 nos.</b>		
01	Hazmat Van	2	1,000.00
02	Advanced Rescue Vans	2	200.00
03	Water Tender	16	480.00
04	Water Lorry	--	-----
05	Water Bouzer	03	90
06	Foam Tender	---	-----
07	Water Mist on Motorbike (Agni)	17	170.00
08	Water Mist on Jeep (Varuna)	07	105.00
09	High Pressure Pumps	18	90.00
10	Portable Pumps	17	51.00
11	Aerial Ladder Platform	03	1500.00
12	Turn Table Ladder	02	1000.00
13	Control Post Van (Incident Control Vehicle)	01	30.00
14	Jeep	04	28.00
15	Light Tower-Inflatable Light Mast	18	54.00
16	Generator	17	10.20
17	Motor Cycle	20	10.00
<b>II.</b>	<b>Proposed Fire Stations 59 nos.</b>		
01	Water Tender	118	3,540.00
02	Rescue Van	05	500.00
03	Water Bouzer	10	300.00
04	Portable Pump	118	354.00
05	Motor Cycle	59	29.50
06	Procurement of Personal Protective Equipment	89	445.00
07	Turn Table Ladder	4	2,000.00
08	Foam Tender	4	120.00
09	Procurement of vehicles*	60	750.00
10	Modernization of Fire Stations (GIS/GPS, Wireless e		2,000.00
11	Capacity Building (Training needs including Disaster Management Academy)		2,500.00
12	Aerial Ladder Platforms	2	1,000.00
13	For New Fire Station Buildings at 59 Locations & 82 Staff Quarters (14 Quarters at each Fire Station)		20,650.00
	Total		39,006.70

**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 2009-2010, 2010-11, 2011-2012 and 2012-13.**

**2009-10**

Sl. No.	Head of Account	Sub Head	Proposal Sent: In Lakhs	Allocations: In Lakhs
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
		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

**2010-11**

Sl. No.	Head of Account	Sub Head	Proposal Sent: In Lakhs	Allocations: In Lakhs
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

<u>2011-12</u>				
Sl. No.	Head of Account	Sub Head	Proposal Sent: In Lakhs	Allocations: In Lakhs
01	2070-00-108-1-01	002	62.76	61.44
		003	5938.33	4205.95
		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

<b>2012-13</b>				
Sl. No	Head of Account	Sub Head	Proposal Sent: In Lakhs	Allocations: In Lakhs
01	2070-00-108-1-01	002	65.75	61.17
		003	5656.62	4369.34
		004	--	664.58
		011	3974.95	3721.64
		014	860.55	71443
		015	55.00	23.92
		041	60.00	31.20
		051	130.00	101.21
		071	95.00	69.53
		101	30.00	27.04
		104	10.00	540
		147	250.00	131.38
		180NP	2000.00	288.79
		180P	1420.00	600.00
		195	1000.00	808.63
		221	100.00	52.00

*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 is under scrutiny and has to be sent to Govt. 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 10.08.2005 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. A fresh draft proposal to delegate additional powers to Chief Fire Officers and Regional Fire Officers is in the final stages of approval.
  - 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 02-04-1970. 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.

From 15.8.2013 a State Fire Control Room has been established in the premises of Central Fire Control Room and collects every day data on major fires occurred in the state and re-transmits to all the senior officers of the department.

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 & 2013**

Month	Representations Received	Representations disposed	Amount of Govt. fees collected for issue of documents
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/-
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>
January-2013	11	11	1867
February-2013	5	5	6576
March -2013	9	9	271
April -2013	4	4	2046
May-2013	2	2	274
June-2013	2	2	60
July-2013	7	7	70
August-2013	5	5	110
September-2013	4	4	950
October-2013	6	6	300
November-2013			
December-2013	3	3	98
<b>Total</b>	<b>58</b>	<b>58</b>	<b>12622/-</b>

**18. Facilities provided to the staff:**

1. 30 days salary is paid in lieu of Gazzetted 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 `40/- in Bangalore and `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, `100/- per month as washing allowance and `1500/- per annum as uniform allowance is sanctioned.
5. As per Govt. Order No. FD12 SRP 2012(IX) dated: 14.06.2012, `135/- is paid per month to Chief Fire Officer /Commandant Academy and `100/- is paid to F/M, L/F, AFSSO, 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.

**e. Total number of the officials (Group A, B, C & D) & Male/Female officers: 2013**

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	3	2	16	3	24	-	1	11	2	14
2.	Bagalkote	-	-	149	-	149	-	-	105	-	105	-	-	-	-	-
3.	Bangalore-Urban	3	9	1211	6	1229	3	9	681	2	695	-	-	4	-	4
4.	Bangalore-Rural	-	-	123	-	123	-	-	52	-	52	-	-	-	-	-
5.	Belgaum	-	-	347	-	347	-	-	282	-	282	-	-	-	-	-
6.	Bellary	-	1	263	-	264	-	1	147	-	148	-	-	1	-	1
7.	Bidar	-	-	154	1	155	-	-	119	-	119	-	-	-	1	1
8.	Bijapur	-	-	158	-	158	-	-	127	-	127	-	-	-	-	-
9.	Chamrajnagar	-	-	108	-	108	-	-	46	-	46	-	-	-	-	-
10.	Chikkaballapura	-	-	160	2	162	-	-	40	-	40	-	-	-	-	-
11.	Chikka—magaluru	-	-	190	-	190	-	-	111	-	111	-	-	-	-	-
12.	Chitradurga	-	-	173	-	173	-	-	94	-	94	-	-	-	-	-
13.	Dakshina Kannada	1	1	226	-	228	1	1	113	-	115	-	-	1	-	1

14.	Davanagere	-	1	171	-	172	-	1	101	-	102	-	-	-	-	1
15.	Dharwad	1	1	177	-	179	1	1	133	-	135	-	-	1	-	1
16.	Gadag	-	-	156	-	156	-	-	103	-	103	-	-	1	-	-
17.	Gulbarga	-	1	193	-	194	-	1	134	-	135	-	-	-	-	-
18.	Hassan	-	-	191	-	191	-	-	123	-	123	-	-	-	-	-
19.	Haveri	-	-	181	-	181	-	-	105	-	105	-	-	-	-	-
20.	Kodagu	-	-	115	-	115	-	-	49	-	49	-	-	-	-	-
21.	Kolar	-	-	160	-	160	-	-	59	-	59	-	-	-	-	-
22.	Koppal	-	-	160	-	160	-	-	93	-	93	-	-	-	-	-
23.	Mandya	-	-	191	-	191	-	-	102	-	102	-	-	-	-	-
24.	Mysore	-	1	294	-	295	-	1	150	-	151	-	-	-	-	-
25.	Raichur	-	-	182	-	182	-	-	103	-	103	-	-	-	-	-
26.	Ramnagara	-	-	112	2	114	-	-	46	-	46	-	-	-	-	-
27.	Shimoga	-	1	191	-	192	-	1	111	-	112	-	-	2	-	2
28.	Tumkur	-	-	279	-	279	-	-	134	-	134	-	-	-	-	-
29.	Udupi	-	-	108	-	108	-	-	70	-	70	-	-	-	-	-
30.	Uttara Kannada	-	-	279	-	279	-	-	132	-	132	-	-	-	-	-
31.	Yadgir	-	-	94	-	94	-	-	54	-	54	-	-	-	-	-
	<b>Total</b>	<b>13</b>	<b>19</b>	<b>6541</b>	<b>16</b>	<b>6589</b>	<b>08</b>	<b>18</b>	<b>3735</b>	<b>5</b>	<b>3766</b>	<b>0</b>	<b>1</b>	<b>21</b>	<b>3</b>	<b>25</b>

**Total number of the officials (Group A, B, C & D) belonging to SC/ST: 2013**

Sl. No.	District	Sanctioned Strength					Actual Strength										
							Scheduled Castes					Scheduled Tribes					
		J	©	1	r	MIÄÖ	J	©	1	r	MIÄÖ	J	©	1	r	MIÄÖ	
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	
1	Head Office	3	3	27	5	38			8		8						
2	Bagalkote			105		105			25		25			3			3
3	Bangalore Urban	3	9	685	2	699			114		114			28	1		29
4	Bangalore Rural			52		52			6		6			3			3
5	Belgaum			282		282			48		48			8			8
6	Bellary		1	148		149			22		22			12			12
7	Bidar			119	1	120			28		28			3			3
8	Bijapur			127		127			34		34			3			3
9	Chamrajnagar			46		46			14		14			3			3
10	Chikkaballapura			40		40			9		9			4			4
11	Chikka— magaluru			111		111			24		24						
12	Chitradurga			94		94			19		19			10			10
13	Dakshina Kannada	1	1	114		116			17		17			3			3



14	Davanagere		1	102		103		1	28		28			8		8
15	Dharwad	1	1	134		136			26		26		1	5		6
16	Gadag			103		103			18		18			8		8
17	Gulbarga		1	134		135			56		56			7		7
18	Hassan			123		123			14		14			1		1
19	Haveri			105		105			19		19			5		5
20	Kodagu			49		49			5		5					
21	Kolar			59		59			13		13			6		6
22	Koppal			93		93			29		29			6		6
23	Mandya			102		102			22		22			1		1
24	Mysore		1	150		151			34		35			7		7
25	Raichur			103		103			28		28			10		10
26	Ramnagara			46		46			11		11			1		1
27	Shimoga		1	113		114			23		23			9		9
28	Tumkur			134		134			18		18			11		11
29	Udupi			70		70			6		6			1		1
30	Uttara Kannada			132		132			6		6			6		6
31	Yadgir			54		54			8		8			2		2
	Total	<b>08</b>	<b>19</b>	<b>3756</b>	<b>8</b>	<b>3791</b>	<b>0</b>	<b>1</b>	<b>732</b>	<b>0</b>	<b>733</b>	<b>0</b>	<b>1</b>	<b>174</b>	<b>1</b>	<b>176</b>

**f. Total number of the officials: SC :**

**g.**

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)
1	Adi Andhra	5	24	Bindla		47	Jambuvulu	
2	Adi Dravida	45	25	Byagara		48	Kadaiyan	
3	Adi Karnataka	184	26	Chikiliyan		49	Kalladi	
4	Adiya (in Coorg District)		27	Chalavadi Chalvadi, Channayya	23	50	Kepmaris	
5	Ager		28	Chendala		51	Kolupuvandlu	
6	Ajila		29	Chenna Dasar, Holaya Dasar	2	52	Koosa	
7	Anamuk		30	Dakkal, Dokkalwar	4	53	Koracha and Synonym castes are Korachar	2
8	Aray Mala		31	Dakkaliga		54	Korama and Synomum castes are Korava,	24

							Koravar	
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, Yellammalawan dlu		57	Kuravan	
12	Bakad		35	Ganti Chores		58	Lingader	
13	Bant (in Belgaum, Bijapur, Dharwad and North Canara District)		36	Garoda, Garo		59	Machala	
14	Bakuda	2	37	Godda	1	60	Madari	8
15	Balagai		38	Gosangi		61	Madiga	40
16	Bandi		39	Haleer		62	Mahar, Taral, Dhegu Megu	2
17	Banjara, Lambani & Synonym castes are Lambada, Lamank, Sugali, Sukali	149	40	Halsar, Haslar, Hulasvar, Halasvar		63	Mahyavanshi, Dhed, Vankar, Maru Vankar	
18	Bathada		41	Handi jogis		64	Maila	
19	Beda Jangam, Budga, Jangam	1	42	Hasla		65	Mala	
20	Bellara		43	Holar, Valhar		66	Mala Dasari	1
21	Bhangi, Mehtar, Olgana, Rakhi, Malkana, Halakhor, Lalbegi, Bamiki, Korar, Zadrnalli	6	44	Holaya, Holer, Holeya	93	67	Mala Hannai	
22	Bhambi, Bhambhi, Asadau, Asodi, Chammadia, Chamar, Chambhar, Chamgar, Haralayya, Harali, Khalpa, Machigor, Mochigar, Madar, Madig, Mochi, Muchi, Telegu Mochi, Kamati Mochi,	56	45	Holeya Dasari		68	Mala Jangam	

	Renigar, Rohidas, Rohit, Samagar							
23	Bhovi and Synonym castes are Od, Odde, Vaddar, Waddar, Voddar, woddar,	55	46	Joggali		60	Mala Meen	
70	Mala Sale, Netkani		80	Mundala	7	90	Pariyan, Paraya	1
71	Mala Sonyasi		81	Nadia, Hadi		91	Paravan	
72	Mang, Matang, Minimadig		82	Nalkandaya		92	Raneyar	
73	Mang Garudi, Mang Garodi		83	Nalakeyava		93	Samagara	11
74	Manne		84	Nayadi		94	Samban	
75	Masthi		85	Pale		95	Sapari	
76	Mavilan		86	Pallan		96	Sillekyathas	1
77	Meghval, Menghvar		87	Pambada		97	Sindhollu, Chindhollu	
78	Moger		88	Panchama		98	Sudugadu Siddha	1
79	Mukri	3	89	Panniandi		99	Thoti	
						100	Tirgar, Tirbanda	
						101	Valluvan	

#### **h. Total number of the officials: ST : 2013**

<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>
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, Tadvil 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, Gavit, Mavchi, Padvi, Valvi		33	Malayekandi	
9	Gond, Naikpod, Rajgond	2	34	Maleru	1
10	Gowdalu		35	Maratha (in Coorg District)	
11	Hakkipikki		36	Marati (in South Canara District)	2

12	Hasalaru		37	Meda, Medari, Gauriga, burud (2003)	16
13	Irular		38	Naikda, Nayaka, Cholival, Nayaka, Kapadia Nayaka, Mota Nayaka, Nana Nayaka, Naik, Nayak, Beda, Bedar and Valmiki	149
14	Iruliga		39	Palliyan	
15	Jenu kuruba		40	Paniyan	
16	Kadu kuruba	3	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	1	44	Sholaga	
20	Kattunayakan		45	Soligaru	
21	Kokna, Kokni, Kukna		46	Toda	
22	Koli Dhor, Tokre Koli, Kolcha, Kolgha		47	Varli	
23	Konda Kapus		48	Vitolia, Kotwalia, Barodia	
24	Koraga		49	Yerava	
25	Kota		50	Siddi (in North Canara District) (2003)	

**a. Vacancy position- 2013/ Shortage-2013/ Retirements due during the year 2013:**

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 01-01-2013 to 31-12-2013 (both executive and ministerial staff), are as follows:

**Office of the Director General of Police and Director General- 2013:**

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 (F.P)	01	--	01		
7.	Regional Fire Officer (F.P)	02	02	--		
8.	Administrative Officer	01	--	01		
9.	Assistant Controller of Accounts	01	--	01		
10.	Assistant Administrative Officer	01	01	--		
11.	Superintendent	07	06	01		
12.	District Fire Officer (Stores)	01	01	--		
13.	First Division Assistant	08	07	01		
14.	Second Division Assistant	10	07	03		
15.	Typist	03	02	01		
16.	Stenographer	03	01	02		
17.	Driver	11	03	08		
18.	Motor Cycle Rider	02	--	02		
19.	Dalayath	05	05	--		
	<b>Total Staff Strength details of 185 Fire Stations and units</b>					
01	Chief Fire Officer	04	04	--		
02	Regional Fire Officer	11	11	--		
03	District Fire Officer	46	44	02		
04	Fire Station Officer	189	102	87		
05	Assistant Fire Station officer	200	135	65		
06	Leading Firemen	833	654	179		
07	Driver Mechanic	153	37	116		
08	Firemen Driver	954	640	314		
09	Firemen	3334	2045	1289		
10	Superintendent	02	--	02		
11	First Division Assistant	05	03	02		
12	Second Division Assistant	10	06	04		
13	Typist	02	02	--		
15	Dalayath	03	--	03		
16	Sweeper	02	01	01		
	<b>Staff sanctioned for the 27 Fire stations- yet to be opened.</b>					
01	District Fire Officer	07	--	07		
02	Fire Station Officer	25	--	25		
03	Assistant Fire Station officer	26	--	26		
04	Leading Firemen	109	--	109		
05	Driver Mechanic	24	--	24		
06	Firemen Driver	136	--	136		
07	Firemen	326	--	326		
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	02	--		
08	Firemen	15	10	05		
09	First Division Assistant	01	01	--		
10	Second Division Assistant	02	02	--		
11	Gardener	02	02	--		
12	Sweeper	02	--	02		
	<b>Emergency Para Medical Services (EPMS)</b> <b>(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	01	01		
4	Leading Firemen	02	02	--		
5	Firemen Driver	02	--	02		
6	Firemen	08	--	08		
	<b>Search And Rescue (SAR)</b> <b>(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	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>3791</b>	<b>2798</b>	

2. **Details about retiring personnel:** In total, 36 personnel retired in the year 2013 and 53 personnel are listed for retirement in the year 2014.

b. **Number of outsourced staff:**

1. 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.
2. One Inspector of Police (wireless) has been deputed from Police wireless wing to Fire Service Wireless Workshop.
3. One Assistant Fire Station Officer and one Fireman has been deputed to Public Utility Building belonging to BBMP.

c. **Number of officers who attended different training programs: (Within the State)**

Year	Place & Nature of Training	Designation of trainee officers	Period of training
2010	Training in Disaster Management at ATI, Mysore	CFO – Mangalore	04.01.2010 to 08.01.2010
		RFO- Training	26.04.2010 to 30.04.2010
		RFO- Bangalore East	26.04.2010 to 30.04.2010
		DFO – Mahadevapura	26.04.2010 to 30.04.2010
		DFO - Kolar	26.04.2010 to 30.04.2010
		DFO – Tumkur	26.04.2010 to 30.04.2010
		DFO – Haveri	26.04.2010 to 30.04.2010
		DFO – Davanagere	26.04.2010 to 30.04.2010
		DFO – Bellary	26.04.2010 to 30.04.2010
		DFO – Chamrajnagar	05.07.2010 to 09.07.2010
		DFO –Belgaum	05.07.2010 to 09.07.2010
		DFO –Hassan	05.07.2010 to 09.07.2010
		DFO –Hebbal	05.07.2010 to 09.07.2010
		FSO- North F/S	05.07.2010 to 09.07.2010
		FSO- Rescue Unit	05.07.2010 to 09.07.2010
2011	Training in Disaster Management at ATI, Mysore	RFO - Academy	17.01.2011 to 18.01.2011
		RFO – EPMS	
		RFO – SAR	
		RFO – Bangalore East RFO – Mysore	
	Management of Industrial & Chemical Disasters	DFO – Academy DFO – Belgaum	13.06.2011 to 17.06.2011

		DFO – Bangalore North DFO – Chitradurga DFO – Udupi	
	Flood & Earth quake Management	CFO – Hubli FSO – 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	FSO – Pandeshwara FSO – Karkala FSO – Kundapura FSO – Bhadravathi FSO – Karwar FSO – Shikaripura	23.07.2012 to 27.07.2012
	Training in Urban Disaster Risk Mitigation & Management at ATI, Mysore	DFO – Bangalore North DFO – Hebbal DFO – Bagalkot FSO – Hebbal FSO – Chitradurga FSO – Shira FSO – Bijapur FSO – 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
2013	Training in Disaster Management at ATI, Mysore	DFO- Karwar RFO-Bellary DFO- Shivmoga DFO- Raichur DFO-Tumkur DFO-Mysore	25-03-2013 to 27-03-2013



Out Side Karnataka State

Year	Place & Nature of Training	Designation of trainee officers	Period of training
2013	Application of Information Technology in Disaster Management	RFO- SAR Unit RFO- Mysore RFO- (Trg) Academy RFO –EPMS DFO-Chitradurga	02.01.2013 to 03.01.2013
	Disaster Management	DFO- Academy DFO- Academy DFO- Academy DFO- Academy DFO- Academy DFO-Karwar DFO-Shivmoga DFO-Raichur DFO- Tumkur DFO-Mysore	25-03-2013 to 27-03-2013
	Disaster Management	Officer Commanding, Fire Fighting Civil Defence RFO-(Trg)	21.08.2013 2:30 to 5:30
	Workshop on mainstreaming of Disaster risk reduction in Development	DFO- Bagalkot DFO-Mangalore	05.09.2013 to 06.09.2013
	International Workshop	DGP & DG CFO-West CFO- Mangalore RFO- East RFO-Mysore	
	Hi raise Building Inspection Training Program	3 RFO's 15 DFO's	14.05.2013 to 16.05.2013
	68 <sup>th</sup> Station Officers/Instructors Course (Nagpur)	6 FSO's	01.07.2013 to 20.12.2013

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 2013, the department, in the entire State, has attended a total of 15,925 Fire Calls involving property worth ` .797,43,73,272/- out of which ` .576,37,96,492/- has been saved. In total 1521 rescue calls have been attended and in these rescue calls 746 human lives were involved. Out of these involved human lives, 291 died and 673 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 recipient
01	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.
01	2011	a. Presidents Distinguished Service Medals b. Presidents Meritorious Service Medals c. Chief Ministers Gold Medals	a. ---- b. 05 nos. c. 46 nos.
02	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.
03	2013	a. Presidents Distinguished Service Medals b. Presidents Meritorious Service Medals c. Presidents Meritorious Service Medal during Independence day d. Chief Ministers Gold Medals	a. 05 nos. b. 04 nos. c. 03 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 2013, the department, in the entire State, has attended a total of 15,925 Fire Calls involving property worth `797,43,73,272/- out of which `576,37,96,492/- has been saved. In total 1521 rescue calls have been attended and in these rescue calls 746 human lives were involved. Out of these involved human lives, 291 died and 673 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 has end by July 2011 and a summary of details of observations made by the Audit is available and a detailed parawise reply has been furnished.

## 2. Litigations:

The litigation details are as below:

KAT cases	High Court Cases	Civil Court Cases		D.C Court
		MVC Cases	O.S Cases	
22	10	05	06	01

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

Year	No. of questions received	No. of questions answered
2011	16	16
2012	27	27
2013	34	34

## ANNEXURE

### 1. VEHICLES & EQUIPMENTS:

Sl. No.	Type of vehicle	Available	Under Fabrication	Tendered
01	Water Tenders with water tank of 4500 liters.	391	24	Fabrication of 23 nos. of water tenders & re-fabrication of 15 nos. of water tenders.
02	Water Lorries with water tank of 9000 liters.	40	-	-
03	Water Bouzers with water tank of 16,000 liters.	25	10	-
04	Foam Tenders	02	-	-
05	Towing Tenders	55	-	-
06	Advance Rescue Van	12	02	-
07	Medium Rescue Van	11	-	-
08	Ambulance	09	-	-
09	TTL 37 m working height	01	-	-
10	Hydraulic Platform 30 m, 32 m and 52 m working height	05	-	-
11	Portable Pumps	328	-	-
12	High Pressure Pumps	60	-	-
13	Varuna- Water Mist Technology mounted on Jeep	12	-	-

14	Agni -Water Mist Technology mounted on Motor Cycle	11	30	-
15	Utility Vehicles	241	-	-
16	Generators	162	-	-
17	Inflatable lights	236	-	-
18	Quick Response Vehcles	21	-	-
19	Inflatable Boats (with OBM)	15	-	-
20	Breathing Apparatus Van	--	--	01

## **2. FIRE STATION BUILDINGS:**

	Permanent Fire Station Buildings	Temporary Fire Station Buildings	Rented Buildings	Fire Station Building under construction
<b>Details of Fire Station Buildings</b>	137	48	08	30

## **3. STATION QUARTERS:**

	Total quarters available for 180 Fire Stations	Quarters under construction by PWD at 09 places	Quarters under construction by KSPHC at 57 places	Quarters under construction by KUIDFC at 06 places	Percentage of Available Quarters
<b>Details of Staff quarters</b>	1742	06	891	56	48%

## **4. Details of Fire calls attended during past 3 years (2010/2011/2012/2013) 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	12866	83562.00	71907.00	865
2011	19,220	165970.00	87351.00	977
2012	18,464	133985.80	113525.99	615
2013	15,925	797437.34	576379.65	673

**5. Vacancy Statement, as on 31.12.2013:**

<b>Sl. No.</b>	<b>Office</b>	<b>Sanctioned</b>	<b>Actual</b>	<b>Vacancy</b>
01	Head Office	61	38	23
02	Academy	45	37	08
03	Fire Service Workshop	22	12	10
04	Wireless Workshop	11	03	08
05	Fire Stations	5748	3684	2064
06	New Fire Stations – Including 4 Clerical Staff (Proposed)	657	-	657
07	Search and Rescue Unit	28	11	17
08	Emergency Paramedical Services	17	6	11
	<b>Total</b>	<b>6589</b>	<b>3791</b>	<b>2798</b>

## Glossary of Technical Terms: Abbreviations

<b>Abbreviations</b>	<b>Expansions</b>
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
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 Finance Corporati

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