A STUDY ON FREQUENCY OF FIRE INCIDENTS AND FIRE FIGHTING CAPACITY IN DIFFERENT LAND USE CATEGORIES OF DHAKA METROPOLITAN AREA

By

Tanjiba Rahman Tishi

MASTER OF URBAN AND REGIONAL PLANNING

DEPARTMENT OF URBAN AND REGIONAL PLANNING

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)

DHAKA, BANGLADESH

December, 2015

The thesis titled "**A STUDY ON FREQUENCY OF FIRE INCIDENTS AND FIRE FIGHTING CAPACITY IN DIFFERENT LAND USE CATEGORIES OF DHAKA METROPOLITAN AREA**" submitted by Tanjiba Rahman Tishi, Student No: 1009152026F, Session **October 2009**, has been accepted as satisfactory in partial fulfillment of the requirement for the degree of MASTER OF URBAN AND REGIONAL PLANNING by courses and thesis on December 30, 2015.

BOARD OF EXAMINERS

1. _____ Chairman (Supervisor)
Dr. Ishrat Islam
Professor and Head
Department of URP, BUET, Dhaka.

2. _____ Member (Ex-Officio)
Dr. Ishrat Islam
Professor and Head
Department of URP, BUET, Dhaka.

3. _____ Member
Dr. Mohammad Shakil Akther
Professor
Department of URP, BUET, Dhaka.

4. _____ Member
Dr. Afsana Haque
Associate Professor
Department of URP, BUET, Dhaka.

5. _____ Member (External)
Dr. Akhtar Mahmud
Professor
Department of URP, Jahangir Nagar University, Savar

Candidate's Declaration

It is hereby declared that, this thesis or any part of it has not been submitted elsewhere for the award of any degree or diploma.

Tanjiba Rahman

Tanjiba Rahman Tishi

ACKNOWLEDGEMENT

First of all, thanks to Almighty Allah for giving me the opportunity to accomplish this research and prepare the report.

I am very much grateful to my supervisor, Dr. Ishrat Islam, Head and Professor, Department of Urban and Regional Planning, BUET for her responsible guidance and support throughout the research.

I would like to express special thanks to Md. Anayet Hossain, Officer in Charge, Central control room, Fire Service and Civil Defence, Head quarter, for his cooperation in the process of data collection on fire incidents and giving important information on different aspects of fire stations and fire-fighting capacity.

I would also thank Mohammad Belal Ahmed, Station officer of Sadarghat Fire Station; Md. Nuruzzaman, Station officer of Tejgaon Fire Station and Md. Abdulllah-Al-Arafin, Senior Station officer of Mirpur Fire Station, for their cordial cooperation in the process of collecting station specific information and sharing their views about the improvement sectors of the fire stations.

I would like to express my gratitude to Major AKM Shakil Newaz, Director (Operation and Maintenance), Fire Service and Civil Defence, for his kind assistance and thoughtful suggestions regarding ensuring fire safety.

In the process of collecting data and information on different aspects of fire stations and fire-fighting capacity, I have received indisputable cooperation from all the related staffs and officials of the fire stations. I would like to express special thanks to all of them.

Finally, I am grateful to my family and friends for their continuous support now and always.

ABSTRACT

Fire, with its sudden appearance and destructive character, causes property losses and sometimes death and injury within a short time. High density of population and structures make the urban areas more vulnerable to fire hazard. In this context, fire incidents are very common in Dhaka city, especially in relatively densely populated areas. And the city is experiencing huge economic loss due to the increasing trend of fire incidents. To fight against these incidents properly the capacity of fire stations should be ensured according to the area specific land use features and population demand. The first objective of this research is to study the distribution pattern of the fire incidences in different land use categories of Dhaka Metropolitan Area (DMA). The study also identified the areas where frequency of fire incidents is higher. To study the land use characteristics and the fire-fighting capacity of the fire stations serving the areas with frequent fire incidences is another objective of this research. Data of fire incidents have been collected from the record book of fire stations during the year 2011-2013. Distribution of fire incidents has been analyzed according to different land use categories and structure types. The hot spots have been identified on the basis of density of fire occurrences using Kernel Density tool. Then three *thana*s have been selected from three broad land use categories like commercial and mixed use, industrial use and residential use having higher density value of fire incidents. Land use features like land use categories, type and height of the structures, access road width and availability of water body of three selected *thana*s have been revealed. Then detail fire-fighting capacity of the fire stations, serving these three selected areas, has been assessed comparing with some national and international standard with respect to coverage area, size of serving population, standard service area, capacity of manpower and vehicle capacity. Analysis has been done on the basis of population demand and respective land use characteristics. The basic problems associated with fire-fighting activities, identified by the fire officials is firstly the absence of fixed water source to extinguish fire. Narrow access road of a large number of buildings is another challenging issue for the fire staffs. Moreover, to serve the huge urban population manpower capacity of the stations is insufficient. The findings of the research may help the respective authority to take necessary steps to improve fire-fighting facility to ensure better fire safety.

TABLE OF CONTENTS

ACKNOWLEDGEMENT	i
ABSTRACT	ii
TABLE OF CONTENT	iii
LIST OF TABLES	vii
LIST OF FIGURES	viii
LIST OF MAPS	ix
LIST OF PHOTOGRAPHS	x
CHAPTER 01: INTRODUCTION	**1-6**
1.1 BACKGROUND OF THE STUDY	1
1.2 OBJECTIVES OF THE STUDY	4
1.3 RATIONALE OF THE STUDY	4
1.4 SCOPE AND LIMITATION OF THE STUDY	5
1.5 ORGANIZATION OF THE RESEARCH	6
CHAPTER 02: LITERATURE REVIEW	**7-16**
2.1 INTRODUCTION	7
2.2 CONCEPTUAL FRAMEWORK	7
2.2.1 Fire Incident	7
2.2.2 Fire service/Fire station	7
2.2.3 Fire-Fighting Capacity	7
2.2.4 Response Time	7
2.2.5 Service Area	9
2.2.6 Landuse Features	9
2.3 BANGLADESH FIRE SERVICE AND CIVIL DEFENSE (BFSCD)	9
2.3.1 History of BFSCD	9
2.3.2 Activities of BFSCD	10
2.4 RULES, REGULATION AND CODE RELATED TO FIRE SERVICE IN BANGLADESH	10
2.5 STANDARDS AND CODES OF FIRE SERVICE	12

2.6 DIFFERENT RESEARCHES ON FIRE 13
2.6.1 Researches on fire 13
2.6.2 Research works on fire in Bangladesh 15
2.7 SUMMARY FINDINGS 16

CHAPTER 03: METHODOLOGY 17-21
3.1 INTRODUCTION 17
3.2 TOPIC SELECTION 17
3.3 OBJECTIVE FIXATION 17
3.4 LITERATURE REVIEW 17
3.5 STUDY AREA SELECTION 17
3.6 DATA COLLECTION 18
3.7 DATA ANALYSIS 19
3.6 FINAL REPORT 21

CHAPTER 04: STUDY AREA PROFILE 22-27
4.1 INTRODUCTION 22
4.2 DHAKA METROPOLITAN AREA 22
4.3 FIRE STATIONS IN DHAKA METROPOLITAN AREA 22
4.4 DESCRIPTION OF SELECTED THREE *THANA* 25
4.6.1 Kotwali *Thana* 25
4.6.2 Tejgaon Industrial Area *Thana* 25
4.6.3 Pallabi *Thana* 25
4.5 SUMMARY FINDINGS 27

CHAPTER 05: DISTRIBUTION OF FIRE INCIDENTS IN DHAKA METROPOLITAN AREA 28-39
5.1 INTRODUCTION 28
5.2 LOCATION AND DISTRIBUTION OF FIRE INCIDENTS 28
5.2.1 Distribution Pattern of Places of Fire Incidents 30
5.2.2 Type of Structure at the Location of Fire Incidents 32
5.3 IDENTIFICATION OF DENSELY FIRE OCCURING AREAS 34
5.4 SELECTION OF STUDY AREAS FOR DETAIL ANALYSIS 37
5.5 SUMMARY FINDINGS 39

CHAPTER 06: LAND USE CHARACTERISTICS OF STUDY AREAS **40-57**
6.1 INTRODUCTION 40
6.2 LAND USE CHARACTERISTICS OF SELECTED *THANA* 40
6.2.1 Kotwali *Thana* 40
6.2.2 Tejgaon Industrial Area *Thana* 45
6.2.3 Pallabi *Thana* 50
6.3 DISTRIBUTION OF FIRE INCIDENTS IN SELECTED *THANA*S 53
6.3.1. Distribution of Fire Incidents according to Land use Type 53
6.3.2. Distribution of Fire Incidents according to Use of Structure 57
6.4 SUMMARY FINDINGS 57

CHAPTER 07: FIRE FIGHTING CAPACITY OF SELECTED FIRE STATIONS **58-80**
7.1 INTRODUCTION 58
7.2 CAPACITY OF FIRE STATIONS OF DMA 58
7.2.1 Coverage Area and Population Served 58
7.2.2 Standard Service Area 61
7.2.3 Capacity of Manpower 64
7.2.3.1 Volunteer service 66
7.2.4 Capacity of Fire-fighting vehicle 67
7.3 CAPACITY OF THREE SELECTED FIRE STATIONS 70
7.3.1 Coverage Area and Population served 70
7.3.2 Standard Service Area 72
7.3.3 Capacity of manpower 74
7.3.3.1 Volunteer service 75
7.3.4 Capacity of Fire-fighting vehicles 75
7.3.4.1 Sadarghat fire station: 75
7.3.3.2 Tejgaon fire station: 77
7.3.3.3 Mirpur fire station: 78
7.4 SUMMARY FINDINGS 79

CHAPTER 08: MAJOR FINDINGS AND RECOMMENDATION **81-86**
8.1 INTRODUCTION 81
8.2 MAJOR FINDINGS 81
8.3 RECOMMENDATION 83

CHAPTER 09: CONCLUSION **87**

REFERENCE **88-92**
APPENDIX-A **93-125**
APPENDIX-B **126**
APPENDIX-C **127**
APPENDIX-D **128**

LIST OF TABLES

Table 1.1: Economic loss due to fire incidents in greater Dhaka districts 3
Table 4.1: Type and construction year of fire stations in Dhaka Metropolitan Area 24
Table 5.1: Yearly frequency of fire incidents 28
Table 5.2: Distribution of sources of fire according to structure type 33
Table 6.1: Land use categories of Kotwali *Thana* 41
Table 6.2: Storied of the buildings of Kotwali *Thana* 42
Table 6.3: Land use categories of Tejgaon Industrial Area *Thana* 45
Table 6.4: Storied of the buildings of Tejgaon Industrial Area *Thana* 47
Table 6.5: Land use categories of Pallabi *Thana* 50
Table 6.6: Storied of the buildings of Pallabi *Thana* 50
Table 6.7: Distribution of fire incidents according to land use categories of three thanas 54
Table 6.8: Distribution of fire incidents according to use of structures of three thana 57
Table 7.1: Coverage area and serving population per station of different cities 61
Table 7.2: Response time of fire station in times of fire incidents 62
Table 7.3: Populaton Staff ratio in different cities 65
Table 7.4: Authorized number of vehicles in different types of fire stations 69
Table 7.5: Coverage area and serving population of selected stations 70
Table 7.6: Number of manpower in selected fire Stations 74
Table 7.7: Number of volunteer attached to three selected stations 75
Table 7.8: List of existing fire-fighting vehicles of Sadarghat fire station 76
Table 7.9: List of existing fire-fighting vehicles Tejgaon fire station 77
Table 7.10: List of existing fire-fighting vehicles of Mirpur fire station 78
Table 7.11: A comparative scenario of capacity of fire stations for different parameters 80

LIST OF FIGURES

Figure 1.1: Yearly trend of fire incidents of Bangladesh 2
Figure 2.1: Fire propagation curve 8
Figure 5.1: Distribution of fire incidents at different land use categories 30
Figure 5.2: Average loss of properties according to different land use categories 31
Figure 5.3: Frequency of fire incidents according to different use of structures 32
Figure 6.1: Type of the structures of Kotwali *Thana* 42
Figure 6.2: Road width of Kotwali *Thana* 43
Figure 6.3: Type of the structures of Tejgaon Industrial Area *Thana* 46
Figure 6.4: Road width of Tejgaon Industrial Area *Thana* 47
Figure 6.5: Type of the structures of Pallabi *Thana* 51
Figure 6.6: Road width of Pallabi *Thana* 51

LIST OF MAPS

Map 4.1: Map of *thana*s of Dhaka Metropolitan Area with 12 fire stations 23
Map 4.2: Map of Dhaka Metropolitan Area with selected *thanas* 26

Map 5.1: Yearly distribution of fire incidents at different *thana*s of DMA 29
Map 5.2: Map of *Thana*s containing the hot spots 35
Map 5.3: Map of densely fire occurring areas with selected *Thana* and selected Fire station 38
Map 6.1: Map of (a) Type of structure and (b) Storey of structure with access road width of Kotwali *Thana* 44
Map 6.2: Map of (a) Type of structure and (b) Storey of structure with access road width of Tejgaon IA *Thana* 48
Map 6.3: Map of (a) Type of structure and (b) Storey of structure with access road width of Pallabi *Thana* 52
Map 6.4: Fire incidents of Kotwali *Thana* at different land use category 54
Map 6.5: Fire incidents of Tejgaon Industrial Area *Thana* at different land use category 55
Map 6.6: Fire incidents of Pallabi *Thana* at different land use category 56
Map 7.1: Map of fire stations of DMA with three kilometer buffer distance 60
Map 7.2: Service areas of 12 fire stations of DMA using standard response time 64
Map 7.3: Map of coverage area of selected fire stations 71
Map 7.4: Map of coverage area of selected fire stations with 10 minutes travel area 73

LIST OF PHOTOGRAPHS

Photograph 6.1: Abuilding with mixed use (residential and market) 41
Photograph 6.2: A high rise building with narrow access road 43
Photograph 7.1: Water Tender 68
Photograph 7.2: Special Water Tender 68
Photograph 7.3: Turn-table Ladder (up to 300m) 68
Photograph 7.4: Turn-table Ladder (up to 400m) 68
Photograph 7.5: Foam Tender 69
Photograph 7.6: Water Mist 69

CHAPTER 01
INTRODUCTION

1.1 BACKGROUND OF THE STUDY

Fire, as a disastrous event, can have its origin either in natural or in human activities. It can occur almost anywhere where inflammable materials are present and can cause huge loss of human lives and properties if it is not controlled in due time [1].

The trend of urban fire is closely related to the level of urbanization of an area [2] and globally this urbanization is taking place rapidly. In 2007, for the first time in history over half of the world‟s population, 3.3 billion people were living in urban areas [3]. And now 54 percent of the world‟s population lives in urban areas which is expected to increase to 66 percent by 2050 [4]. Day by day, it is increasingly being difficult to manage this urban growth in a sustainable way. In addition, urban areas become vulnerable to different types of natural and man-made hazards [3]. Generally, the process of urbanization and industrialization leads to changes in fuel amounts, composition, and its configuration. In addition to the change of land use features and management activities, cities become a highly-possible location for fire occurrence [5]. In China, at the early time of 1950‟s, the total fire occurrence and direct property damage were comparatively low, because China was still at the initial stage of industrialization; the urbanization level was only 10.6%. In the 1950‟s, the annual average direct property damage from fire was about 60 million RMB. With the development of industrialization and urbanization, fire occurrence increased accordingly; the annual average direct property damage due to fire was 140 million RMB in the 1960‟s; 240 million RMB in 1970‟s; 320 million RMB in 1980‟s. Along with the increase of the social wealth and the factors resulting in fire, direct property damage sharply rose since the 1990‟s. The annual average property lose was about 1.06 billion RMB in the 1990‟s; in the first five years of 21st century, the property damage climbed to 1.55 billion RMB [6].

Urbanization is also taking place in Bangladesh very rapidly. Especially in Dhaka, the urbanization rate is very high. The urban population growth rate of last decade was 3.73%. [7]. Worldwide, this increased population has been linked with more frequent urban conflagrations. Likewise, there is an increasing trend of occurring fire incidents in Bangladesh with higher frequency in Greater Dhaka district (Dhaka, Gajipur, Munshigonj, Manikgonj, Narayangonj and Narsingdi) (Figure 1.1) [8].

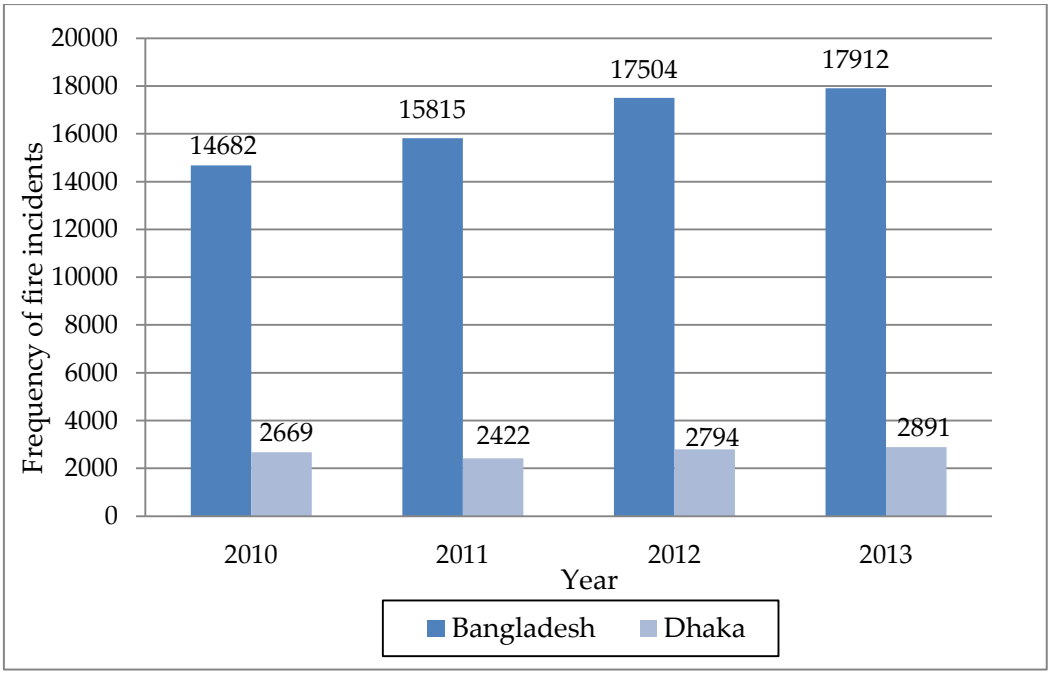


Figure 1.1: Yearly trend of fire incidents of Bangladesh and Greater Dhaka district
Source: BFSCD, 2014

As per UN data, approximately 25 percent of Bangladesh‟s current population lives in urban areas. With a huge population density, Dhaka is the capital and largest city in Bangladesh. It is also the 11th largest city in the world. Holding the prospects for better income opportunities than most parts of Bangladesh, rapid migration is causing Dhaka‟s population to grow much faster than the rest of the country. This fast urbanization is putting pressure on the city‟s limited land, an already fragile environment and weak urban services [9]. The rapid urban growth greatly increases the vulnerability of urban population and economic centers. Fire incidents are very common in Dhaka city, especially in relatively densely populated areas [10]. Among the total reported fire incidences in Bangladesh, 18,17%, 15.36%, 15.96%, and 16.14% incidents were occurred in greater Dhaka district (Dhaka, Gajipur, Munshigonj, Manikgonj, Narayangonj and Narsingdi) in the year of 2010, 2011, 2012 and 2013 respectively [8]. For being the hub of all commercial and economic activities, Dhaka also faces huge economic losses due to these incidents (Table 1.1)

Table 1.1: Economic loss due to fire incidents in Greater Dhaka districts

Year	No. of incidents	Loss (in crore)
2010	2669	147
2011	2422	96
2012	2794	240
2013	2891	407

Source: BFSCD, 2014

These fire incidents are spread in different land use categories [1]. So, different land use characteristics of a specific area should get special focus to ensure better fire safety of that area. The areas with higher population and structures are more susceptible to fire hazard. Besides, the older structures, constructed in very close proximity to one another, face increased risk of rapid fire spread from one structure to another. Moreover, the old structures may prone to faulty electrical, heating and other utility systems due to age and lack of proper maintenance. Commercial, industrial and multi-family fires present their own unique hazards. The improper storage and use of hazardous materials not only increases the risk of fire, but also pose a significant threat to fire fighters and the community [11]. In old Dhaka, the fire at Nimtoli, killed as many as 123 people spreading through inflammable chemicals stored on the ground floor of a residential building [12].

Worldwide, fire station, an important land use element, plays the vital role in ensuring fire safety [13]. In Bangladesh, the governing authority of Fire Stations – Fire Service and Civil Defence (FSCD) Directorate is the first respondent in all natural and manmade calamities and remains alert round the clock to fight fire and surface rescue operations. At present, in Dhaka, Bangladesh Fire Service and Civil Defence (BFSCD) has 12 fire stations with approximate 400 fire-fighters and rescuers who have to cover 16 million people living in the city. Besides, the number of operational and rescue vehicles and equipment are not sufficient with the increasing demand and most of them are old dated. Setting up of new planned service stations are also being delayed due to limited resource [8].

But, the fire-fighting capacity of fire stations, which is the utmost issue for ensuring fire safety, should conform to the national and international standards**.** To improve the fire-fighting capacity, it is necessary to consider the land use characteristics of the service area such as, use of land or structure, road width, nature of built structure, availability of open space and water etc. [14]. The number and type of emergency vehicles and equipment should conform to the specific land use characteristics. For example, in congested areas special vehicles are required to access the narrow roads. At the same time, the location and the service area of the fire stations, which is served by a station within a standard response time period, are important issues to reduce fire risk. Along with the spatial requirements, a number of non-spatial issues, such as staff, equipment, vehicle, function, organization and technology etc. are also related with efficient fire services [13].

Optimum level of staff in accordance with the population demand is very much important in order to effectively and safely perform fire extinguishing activities [15].

1.2 OBJECTIVES OF THE STUDY

It is important to have a clear understanding regarding the location of fire incidences and the land use characteristics of the area. This research focuses on exploring the distribution pattern of the fire occurrences in different land use categories in Dhaka Metropolitan Area from the year 2011 to 2013. In addition, the location and the capacity of the fire stations have been assessed in terms of their specific area coverage, number of staffs and presence of emergency fire-fighting vehicles considering the area specific population demand with different types of land use characteristics.

The specific objectives for this study are as follows:

1. To study the distribution pattern of the fire incidences in different land use categories of Dhaka Metropolitan Area (DMA)
2. To study the land use characteristics and the fire-fighting capacity of the fire stations serving the areas with frequent fire incidences.

1.3 RATIONALE OF THE STUDY

A number of research works have been carried out for Dhaka city on fire hazard modeling [1], fire hazard categorization and risk assessment [16], vulnerability assessment of fire hazard [10], identification of fire risk index [17] and so on. But no research has yet been done on the fire-fighting capacity of fire stations with respect to the area specific land use characteristics.

From this research, a clear picture of frequency of fire occurrences in different land use categories in DMA will be depicted. And the fire-fighting capacity of selected fire stations of different land use categories will be explored. The result of the study will help the policy maker to formulate policies on the location of construction or relocation of fire stations. From the detail analysis of the capacity of existing fire stations with respect to land use characteristics, the policy maker will be able to be well accountant about the basic problems associated with the stations which will help them to take necessary steps in future to overcome the limitations of fire-fighting system and to ensure fire safety more efficiently.

1.4 SCOPE AND LIMITATION OF THE STUDY

Data of fire incidents, from the year 2011 to 2013, have been used to get a clear picture of frequency of fire occurrences in different land use categories in DMA. Then the land use categories have been identified where the number of fire incidents is higher and three *thana*s of different land use categories have been selected for detail analysis. Fire-fighting capacity of fire stations serving areas of selected different land use categories have been explored with respect to area coverage, population demand, number of fire fighters, availability of fire-fighting vehicles conforming to specific land use characteristics. At the end, some policies have been formulated which will help to ensure further fire safety. Based on this study further study may be conducted on appropriate location identification for fire station, land use design which include design of water bodies for efficient fire-fighting etc.

There are some limitations in performing the research work due to unavailability of updated secondary source. Firstly, point location of fire incidents has been plotted in the map using the structure map of Detail Area Plan (DAP) where the address of the structures was not fully updated. As a result, only 23% location of fire incidents has been plotted accurately according to the collected address of incident spot. In case of 46% point location, reference roads or lanes have been identified. In case of any housing, colony and slum point has been plotted within the compound which is 7% of total points and rest 23% location have been plotted within the locality. As the main objective was to identify the area of experiencing most fire incidents rather than point location of incidents, field survey has not been done.

Besides, in case of service area demarcation simple road network have been used with simple parameters. In the process of service area demarcation, a network dataset is created from the shape file of road. For network dataset creation, along with the travel time of vehicle, turning direction, driving direction and the elevation of roads can be considered. But in this research, due to unavailability of other information, the road network dataset has been created from the road shape file having the attribute of road length, average speed and travel time. Moreover, the speeds of the vehicles of Dhaka city at different roads vary from one another due to different road width and traffic volume. But, this variable speed of different roads could not be found from any secondary source. As a result, the average speed of vehicle of Dhaka city (15kph) has been used in travel time calculation for fire-fighting vehicles.

Considering the limited time and volume of work, only three types of land use categories have been selected for detail analysis of fire-fighting capacity.

1.5 ORGANIZATION OF THE RESEARCH

The present study has been divided into nine chapters. Chapter One presents the background of the study, rationale of the study, objectives, scopes and limitations. The literature review has been included in Chapter Two where conceptual framework has been elaborated; related laws and acts of fire service have been discussed briefly and the related studies have been illustrated concisely. Chapter Three describes the methodology where the procedure of carrying out the research has been discussed step by step. The different methods, used in the analysis, have been focused here. Description of the study area has been enclosed in Chapter Four. In Chapter Five, Six and Seven detail analysis have been done. In Chapter Five, spatial distribution pattern of location of fire incidents, distribution pattern of fire incidents with respect to different land use categories and structure types have been identified. Then a map showing the densely fire occurring areas has been created from where three study area have been selected from three different land use categories. Detail land use characteristics which include land use type, structure type, road width, availability of water body of the study area has been discussed in Chapter Six. Chapter Seven illustrates the fire-fighting capacity of three stations evaluating different parameters like, coverage area, serving population, standard service area, number of manpower, number and capacity of fire-fighting vehicles according to specific land use characteristics and population demand. In Chapter Eight, major findings have been highlighted and some recommendations have been given to improve the fire fighting capacity. Finally, Chapter Nine draws a conclusion of the research.

CHAPTER 02
LITERATURE REVIEW

2.1 INTRODUCTION

An extensive literarure review has been done to understand the fire hazard, importance and role of fire services in time of emergency. To know the existing scenario of Bangladesh Fire Service and Civil Defence (BFSCD) related paper and acts have been reviewed. Also some standards practised by different countriies of abroad have been reviewed.

2.2 CONCEPTUAL FRAMEWORK

2.2.1 Fire Incident

Fire incident, as a disastrous event, can have its origin either in nature or in human activities. Whatever the case, it is a phenomenon that usually involves a process of occurrence, spreading, human countermeasures and then disappearance [1]. Fire usually occurs due to improper use of utilites or unaware human behaviour. It can spread in any direction depending on the presence of inflammable materials and sustain itself for any period varying from a few minutes to days or weeks depending on the fire load and effective countermeasures [18]. And the loss of human life and property is proportionate with the severity of the incidents.

2.2.2 Fire service/Fire station

Worldwide, fire services play the most important role in case of any type of emergency. The mission of the fire service is to protect life, property and natural resources from fire and other emergencies with the help of their existing vehicles and equipment and manpower skill [19].

2.2.3 Fire-Fighting Capacity

Fire-fighting capacity includes a range of spatial issues like number and location of fire stations, their coverage area, standard service area etc. along with some multi-dimentional non-spatial issues like staff, vehicle and equipment, function, organization etc.[20].

2.2.4 Response Time

Response time is key to fire fighting [21]. It is one of the most common performance measures used by the fire service because it is understood by citizens, easy to compute, and useful in the evaluation of end results. It is the way most citizens evaluate the level of

service provided as it does reflect the timeliness of the service. Response time can be divided in four components [22]:

Call Processing and Dispatch – This time begins when the call taker/dispatcher answers the call and ends when the first unit is dispatched.

Turnout – This is the time elapsed from dispatch to departure from the station (or other location); it comprises activities such as donning protective gear and boarding the apparatus.

Travel – This period begins with departure from the station and ends when the unit arrives at the scene. It does not include the time to actually reach the fire after arrival at the street location of the incident.

Vertical – This is the amount of time from arrival at the scene to arrival at the side of the patient or the site of the fire. It may include going up a high-rise (and hence the term vertical response) or traveling within a hospital, golf course, factory, or other expansive site to get to the site of a fire.

So, response time is the time duration which starts when the call is received and ends when the fire fighter reaches at the fire incident point. While the speed of response is not directly indicative of outcome or quality, response times do affect the number of lives saved and the extent of property losses averted when an emergency occurs. Fire spreads quickly after ignition and the faster it is found and extinguished, the better the results. More people can be helped or the fire can be put out before the entire spot is consumed when emergency personnel arrive in 5 minutes rather than 10 or 20 minutes.

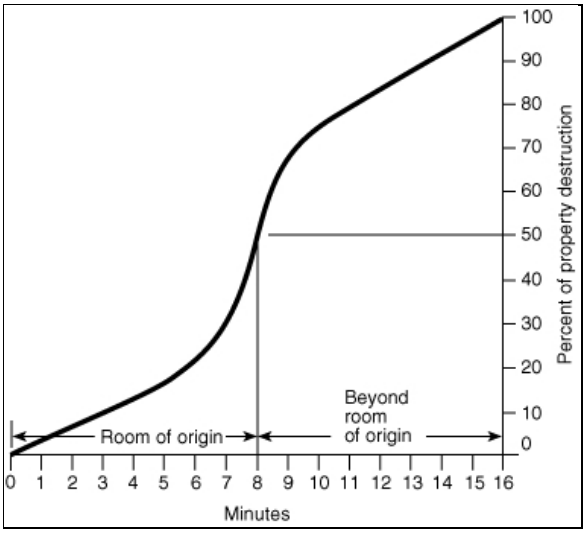


Figure 2.1: Fire propagation curve [22]

The Figure 2.1 depicts the fire propagation curve, which shows the effect of time and temperature rise of a free-burning fire on the destruction of property. According to

multiple studies, extension of the fire beyond the room of origin begins approximately 6 to 8 minutes after ignition, and flashover of the room of origin occurs within 10 minutes of ignition. (Flashover is the simultaneous ignition of all flammable material in an enclosed area).

While demand for services and individual unit workloads dictate how many stations and apparatus are needed in a community, response times dictate where specific resources should be placed. However, there is no single set of nationally accepted response time standards [22]. But, according to National Fire Protection Association (NFPA) standard, the first fire fighting vehicle is supposed to arrive at a fire incident within 4 (four) minutes or less and/or the full assignment team is required to arrive within 8 (eight) minutes or less [23]. But, BFSCD has set their minimum response time as 10 minutes considering the existing road network system [8].

2.2.5 Service Area

Service area includes the area within which the fire fighting vehicle is supposed to arrive at a place of fire incident within the standard response time. Designated coverage area of a station should not be larger than the standard service area of that station.

2.2.6 Landuse Features

For the development of any sites, landuse features like road width, availibility of water etc. should be designed to facilitate fire service [14]. Every fire station should update their fire fighting capacity considering the landuse feataures like land use category, structure type and height, road width, availability of water or water hydrant of respective areas. For example, the requirement of fire fighting vehicles for residential area differ from the vehicles of industrial area. At the same time, to get access to the narrow roads and high rise buildings special type of vehicles are needed.

2.3 BANGLADESH FIRE SERVICE AND CIVIL DEFENCE (BFSCD)

In Bangladesh, Fire Service and Civil Defence (FSCD) Directorate is the first respondent in all natural and manmade calamities and remains alert round the clock to fight fire and surface rescue operations.

2.3.1 History of BFSCD

Bangladesh inherited the fire service and civil defence organization from the then East Pakistan. The president of Pakistan promulgated an ordinance titled “The East Pakistan Fire Services Ordinance, 1959”. The aim of the ordinance was to run fire brigade,

licensing of warehouse and related organizations and materials. A rule was framed titled "The East Pakistan Fire Service Rules, 1961" under the provision of same ordinance. The ordinance was amended in 1970. After emergence of Bangladesh it owned "The East Pakistan Fire Services Ordinance, 1959" and "The East Pakistan fire service rules, 1961". Again, the ordinance of 1959 was amended in 1974 and the rule of 1961 was amended twice; once in the year 1999 and then in 2000. Finally, the Government of Bangladesh framed a law with a view to fire prevention, extinguishing and rescue operation of fire in 2003, titled " Fire Protection and Extinguising Act, 2003". But any rule is yet to frame under it [8].

2.3.2 Activities of BFSCD

Fire fighting and disaster management is the most important part of national protection. Bangladesh Fire Service and Civil Defence (BFSCD) is the only authorised department to become the first responder and to conduct the operational activities during any disaster. To perform their duties efficiently they arrange different tranning courses for the departmental personnel at home and abroad. At the same time, trainning courses are arranged to train community volunteers and also for other nation building organizations, schools and colleges.

2.4 RULES, REGULATION AND CODE RELATED TO FIRE SERVICE IN BANGLADESH

As mentioned earlier, the basic law for performing fire extinguishing activities and giving the power to Bangladesh Fire Service and Civil Defence on related issues is "Fire Protection and Extinguishing Act, 2003". Through this act the BFSCD is empowered to use water from any source to extinguish fire.

This act give the power to Bangladesh Fire Service and Civil Defence Authority (BFSCDA) to provide license for warehouse or workshop where the combustile ingredients are stored, sorted and bought and sold. Through this act, in case of design approval of new highrises and commercial establishments, consent from this authority is mandatory after checking the required fire prevention and extinguising facilities provided in the structure. For the highrise and commercial buildings, contructed before the enactment of the act, required facilities have to be provided in those structures by the owners. Otherwise, the srtuctures may be declared as „not suitable for use" by the authority.

Beside this act, in Bangladesh National Building Code, 2014, some development rules for building construction and road lay out design have been set. The final draft of the code is prepared and is planed to convert it into a law for ensuring public safety including fire safety [24]. In this code, some standards have been recommended to facilitate fire service as well as to make ease the fire-fighting activities of the fire fighters. According to this rule (section 1.7):

a) The access facilities of building shall meet the requirements of fire service vehicles and engines movement for rescue and fire extinguishment operation.

b) For fire apparatus, access roads shall have an unobstructed width of 4.8m and the minimum vertical clearance of 5m. The width and vertical clearance for the access of fire apparatus may be increased according to the opinion of the fire extinguishing authority.

c) For large Assembly Occupancy of I1 (large scale assembly with fixed seat of 1000), I3 (large scale assembly without fixed seat of more than 300 people) and I5 (assembly for watching sports), width of the approach road shall not be less than 15 m.

d) Access roads longer than 30 m having a dead end shall be provided with appropriate provisions for turning around of the fire apparatus at the dead end.

At the same time, chapter four of this code deals with more detail specification of installation of fire extinguishing equipments in times of building construction according to the occupancy classiffication. Occupancy classification have been done alphabetically on the basis of use of the buildings which include; (A) Residential, (B) Educational facilities, (C) Institution for care, (D) Healthcare facilities, (E) Business, (F) Mercantile, (G) Industrial buildings, (H) Storege buildings, (I) Assembly, (J) Hazardous building, (K) Garage (L) Utility and (M) Miscellaneous. In times of mixed occupencies or separate occupancies fire barrier with requied fire resistant rate has to be maintained according to the code.

Besides, considering the fire hazard, the occupancy classes have been classified in Light hazard- I & II and Ordinary hazard- I, II, & III. In all types of buildings, the water supply system has to be designed to facilitate fire fighting activities. The required flow rate and duration of water for sprinkler or stand pipe system use within the building shall be in accordance with their hazard classification. To ensure required water flow water sources should be directly connected to water main, roof gravity tank or storage tank designed with required specification according to the code.

All the construction elements of the building like, wall, slab or column have to be maintained the standard fire resistance rate according to the code. In every type of

occupancy, different type of fire-fighting systems also has to be provided in accordande with the code. Provision of fire detection and fire alarm system, portable fire extinguisher or wate hydrant should be maintained at different level for different occupancy type. Fire exit, fire lifts have to be designed properly where required. If necessary, foam installation, vaporizing liquid installation, dry powder installation, gaseous installation has to be done according to the use of the structures maintaining the standards.

In the present scenario of Bangladesh, it is experienced that the standards and codes are not implemented properly. To ensure proper use of the structures according to the occupancy type the related authority like RAJUK, BFSCD have to be active not only at design and construction phase of a building but also after the completion of the structure.

2.5 STANDARDS AND CODES OF FIRE SERVICE

Fire station is an important land use feature and in many countries there are practicing standard of different issues related to fire station and fire-fighting capacity. Though in Bangladesh, there is no written standards on the location, number of fire stations according to population demand and land use characteristics, in different countries there are some practising standard for efficient fire service.

National Fire Protection Association (NFPA), a global, nonprofit organization devoted to eliminating death, injury, property and economic loss due to fire, electrical and related hazards, founded in 1896. NFPA is the world's leading advocate of fire prevention and an authoritative source on public safety. The mission of this international non-profit organization is to reduce the worldwide burden of fire and other hazards on the quality of life by providing and advocating scientifically-based consensus codes and standards, research, training and education [25]. All NFPA safety codes and standards are developed through a process accredited by the American National Standards Institute (ANSI). The 200 technical committees responsible for developing and updating all 300 codes and standards [26]. NFPA‟s membership includes more than 70,000 individuals from nearly 100 nations [25].

NFPA specially has developed standards on response time in case of any fire incidents. There is also standards on number of fire fighter according to population demand and number of fire fighters to operate fire fighting equipments and vehicles. Besides, they have daveloped a wide range of standards on different sectors to fire protection and prevention activities [27].

In recent years, India is giving emphasis on fire protection. Hyderabad Metropolitan Development Authority has published an Abridged Manual on Environmental Building Guidelines where standard coverage area and size of population served by each fire station has been set [28]. Besides, in National Disaster Management Guidelines - Scaling, Type of Equipment and Training of Fire Services, published by National Disaster Management Authority of India, different standard have been set on type and capacity of different fire fighting vehicles of different areas [29].

Moreover, there are different types of practicing stadard on coverage area, serving population, staff level etc. in different cities in the world considering their respective population demand.

In Bangladesh, there is no standard on coverage area, serving population size and staff level in accordance with population demand. Moreover, no guidelines has yet been formulated on area specific vehicle types and capacity.

2.6 DIFFERENT RESEARCHES ON FIRE

Fire station, as a land use element, gets the most importance in planning of different cities. Fire stations play the most valuable role in case of any emergency and any inadequacy in the capacity of this service results in immense loss of property and human life. Numerous research works deal with the distribution of fire incidents, location and design of fire station and fire fighting capacity of fire service.

2.6.1 Researches on fire

Analyzing the historical pattern of fire incidents is important to take necessary precaution against any fire incidents in respective areas. Wing and Long (2015) examined spatial and temporal trends in large fire incidents (>400 ha) in Oregon and Washington. The fire database containing over 1000 fire incidents over a 25-year time period (1984 – 2008) was compared to climate variables like average monthly maximum temperature, average monthly minimum temperate, average monthly dew point, and average monthly precipitation and the results showed an increasing trend in fire frequency, extent, magnitude and fire season duration. Geospatial analytical techniques such as Nearest Neighbor analysis, quartic Kernel Density estimation, and Quadrat analysis identified spatial patterning and hot spots of fire occurrence and size in the study area [30]. Parajuli et. al. (2015) assessed forest fire magnitude, distribution, seasonality and risk zone in

diverse geographical area of Nepal. They identified hotspot regions of fire in diverse regions of Nepal using Kernel Density model [31].

On the other hand, a good number of researches have been carried out to assess different aspect of fire stations. A research by Hacioğlu (2010) is based on the spatial deficiencies of fire stations in urban areas which are important reasons of the fire losses. As case study the fire department of Ankara Metropolitan Municipality had been chosen. Site selection and design criteria of fire stations of Ankara were evaluated with the available information from three perspective: macro, meso and micro level, having different criteria at different level like, coverage area, urban characteristic regarding fire risk, location of fire services in urban macroform, distance between fire stations (macro level), accessibility, compatibility with adjacent land use and urban thresholds (meso level) and size, accessibility, future needs and extension, compatibility with adjacent land use (micro level). Fire service of the stations had also been evaluated from legislative perspective. In conclusion, spatial deficiencies in urban scale were found at different fire stations of Ankara city [13].

Mahmud and Indriasarin (2009), in their research present and discuss a new developed model to maximize total service area of a fixed number of facilities like fire station, ambulance etc. Two Greedy Algorithms, Greedy Adding (ADD) and Greedy Adding with Substitution (GAS), were applied to solve the optimization problem of the Maximal Service Area Problem (MSAP). The objective of the study was to develop a facility location model in continuous demand region, with road accessibility considerations. This was performed by integrating travel time zone generated through road network analysis in GIS [20].

Liu et. al. (2006), in their research, deal with the effectiveness of the fire stations of Singapore in covering the transportation routes of hazardous materials (HAZMATs). The research presented an approach to suitably situating new fire stations, considering multiple objectives, using Geographic Information Systems (GIS) and an Ant algorithm (ANT). The efficiency of the current fire station locations in covering HAZMAT transport routes was studied using GIS. The ANT algorithm was implemented within a GIS environment to locate the additional fire stations so as to reduce the response time to an accident occurring on HAZMAT transport routes from 8 to 5 minites. Other considerations include incorporating proper distance among fire stations and maximizing the area that can be served by these fire stations in 6 minutes [32].

2.6.2 Research works on fire in Bangladesh

In Bangladesh, there are some researches on fire hazard. Alam and Baroi (2004), in their research, analysed the distribution pattern, causal pattern and temporal pattern of fire incidents of Dhaka city on the basis of data of fire incidents occurred in 2001. Then the process of identifying fire risk had been developed following the framework of „Fire Risk Assessment Method for Engineering" which had been found to be the most comprehensive, transparent and practical calculation method for fire risks in buildings and localities [16].

Islam and Adri (2008) tried to explore the fire hazard vulnerability of Dhaka City in their study. The study focused on yearly distribution and causes of fire incidents. It also revealed fire hazard management scenario of Dhaka City from the point of institutional capacity of Bangladesh Fire Service and Civil Defence (BFSCD) and public perception of the city dwellers from a questionaire survey. Furthermore, the study explored the legal aspects regarding fire safety in Bangladesh [33].

Haque (2001), explored fire hazard in the service area of Mohammadpur fire station through fire hazard modeling [1]. It identified the distribution pattern of fire incidents and the hazad proneness of the area by different broad land use categories like, planned residential area, mixed residential area, commercial area, institutional area, slum area and industrial area based on previous pattern of fire incidents. And finally a hazard map was prepared. A research work had been carried out for Dhaka city on vulnerability assessment of fire hazard [10]. Firstly, a vulnerability map was created for case study area, ward 72, considering different parameters like, building accessibility, existence of transformer and power line, floor area ration, building material type and availability of fire source using AHP method. Then, fire vulnerability of critical facilities such as educational institute, religious center, health facility, bank, police station and other Government and Non-Government organization of that area had been assessed. Also the vulnerability was assessed for different gender group and age group. Besides, economic vulnerability of different shops in the locality had been evaluated. Jahan, Islam and Hossain (2012) carried out a research on old Dhaka where the fire risk index was identified for chemical shops and warehouses and then the shops and warehouses was classified according to the index [17].

2.7 SUMMARY FINDINGS

The literature shows that lots of research has been done on distribution of fire incidents, location of fire station and evaluation of fire service at different countries. In Bangladesh study has been done basically on distribution and causes of fire incidents, fire hazard identification, vulnerability assessment of fire hazard and fire risk identification at different part of Dhaka city. No such study was found which identify spatial distribution of fire incidents and explore the land use of the areas with frequent fire incidents. Moreover, the spatial and non-spatial capacity of the fire stations comparing with national and international standards with respect to area specific land use characteristics and population demand have not been elaborated in any research. So, there is a further scope of research on these issues.

CHAPTER 03
METHODOLOGY

3.1 INTRODUCTION

Every research is followed by a methodology which is structured by a number of steps. These steps are designed in a chronological basis where the previous step helps the next step to complete the research. In this chapter, the steps of the methodology of the research is discussed which has been elaborated below.

3.2 TOPIC SELECTION

In recent years, worldwide urban disaster is getting the most importance in research field. Among the urban disasters fire incident is an important one, as it causes huge loss of property and human life in case of insufficient and inefficient counter measures. Besides, in Dhaka city the number of fire incidents is higher than the other part of the country. This research has been carried out to identify the distribution pattern of these fire incidents and capacity of fire stations against the incidents.

3.3 OBJECTIVE FIXATION

Considering the background scenario two objectives of the research have been fixed out. First objective is to study the distribution pattern of the fire incidences in different land use categories of Dhaka Metropolitan Area (DMA). Another one is to assess the land use characteristics and the fire-fighting capacity of the fire stations serving the areas with frequent fire incidents.

3.4 LITERATURE REVIEW

Information have been collected from literature on the number of fire incidents, location of fire stations, manpower capacity, existence of different types of vehicles and equipment in the existing fire stations etc. Some standards, codes and laws related to fire service of Bangladesh have been revealed to understand the present scenario. Also some other standards practicing in different cities of the world have been reviewed through some books, journals and articles, rules and regulations etc. to make the service efficient.

3.5 STUDY AREA SELECTION

DMA has been selected as study area to assess the distribution pattern of fire incidents, as the number of fire incidents is the highest in this area compared with other city [8]. It is comprised of 41 *thana*s and covers approximately 342 sq. km. with 8.9 million people

living in this area [7]. For detail analysis of land use characteristics three *thana*s have been selected considering the density of fire incidents and the broad land use category of that *thana*. In this process, Kotwali *Thana* of commercial and mixed use, Tejgaon Industrial Area *Thana* of industrial use, and Pallabi *Thana* of residential use have been selected. Then to evaluate the fire-fighting capacity of fire stations three stations have been selected serving the above *thana*s like Sadarghat Fire Station serving Kotwali *Thana*, Tejgaon Fire Station serving Tejgaon Industrial Area *Thana* and Mirpur Fire Station serving Pallabi *Thana*.

3.6 DATA COLLECTION

Data has been collected both from secondary and primary sources.

Secondary data: Data on location of fire incidents for the year of 2011, 2012 and 2013 have been collected from fire station record books. Incident data have been collected under different parameters like date, response time, location, cause of incident, name of serving station and amount of loss due to incident (Appendix A). *Thana* boundary and population data have been collected from Population and Housing Census 2011, Community Report: Dhaka, BBS. Land use data have been obtained from Detailed Area Plan (DAP). National and international fire-fighting standards have been collected from different documents, thesis and journals, rules and regulations of home and abroad.

Primary data: A check list (Appendix B) has been prepared on the basis of literature to evaluate the capacity of fire station. Information has been collected on coverage area of respective fire station, its manpower, vehicle type and capacity from every selected station through filling up the check list. Information has also been collected on detail fire-fighting procedure, lacking in fire-fighting facility, available water source, problems faced in extinguishing fire from respective fire stations. Finally, key person interview has been conducted for three in charge officer of three selected station to know the station specific fire-fighting capacity and the requiring measures to improve the facility. And the director of Operation and Maintenance, Bangladesh Fire Service and Civil Defence, has been interviewed to formulate guidelines for improving the overall fire-fighting system to ensure better safety (list of key person has been given in Appendix C).

3.7 DATA ANALYSIS

The locations of the fire incidents of three years, 2011-2013, have been plotted on DMA map as point feature in GIS using Arc GIS 10.1. From the point features of fire incidents, hot spot of having frequent fire incidents have been identified using Kernel Density tool. The density of facilities or incidents per unit area can be calculated using either simple or kernel calculations. In GIS environment there are threee types of tools to identify the density:

- Line density tool
- Point density tool
- Kernel density tool

In first two tools of density calculation, simple density calculation is done. Points or lines that fall within the search area are summed, then divided by the search area size to get each cell's density value.The difference between the Point density and Line density tool is that the first is applied to point features and the second to linear features.

The Kernel density tool calculates a magnitude per unit area from point or polyline features using a kernel function to fit a smoothly tapered surface to each point or polyline. Conceptually, a smoothly curved surface is fitted over each point. The surface value is highest at the location of the point and diminishes with increasing distance from the point, reaching zero at the search radius distance from the point. It can be calculated for both point and line features which may include finding density of houses, crime reports, points of any occurance, roads or utility lines influencing a town and so on. By running the tool, a smoothly tapered surface is created in raster data set over the study area. Wing and Long (2015) performed a quartic Kernel Density estimation to create a continuous surface representing the density of large scale fire observations in Oregon and Washington [30]. In the research of Parajuli et.al. (2015), Kernel Density model were used to find out the high, medium and low fire risk zone considering the forest fires in Nepal [31]. Besides, a road accident hotspot map of London, U.K. was created through Kernel Density estimation [34]. Wing and Joanne (2006) identified hot spots of crime incidents on USDA Forest Service lands using Kernel Density estimation [35]. Lin et.al (2015) identified multiple soil pollution hotspots from a set of observed occurrences of hazards using Kernel Density estimation (KDE) technique [36]. So, the Kernel Density tool is widely applied to identify the hot spots of any occurances which may not be distributed in a regular pattern.

From the created hot-spots three study areas from three different land use categories like, Kotwali *Thana* of commercial and mixed use, Tejgaon Industrial Area *Thana* of industrial use, and Pallabi *Thana* of residential use have been selected for detail study. Detail land use characteristics of the *thana*s (land use category, structure type and height, road width, water source) have been highlighted. Then three fire stations, like Sadarghat Fire Station, Tejgaon Fire Station and Mirpur Fire Station serving these three *thana*s respectively, have been selected. Overall capacity of fire stations of DMA has been explored and compared with different international standard considering the parameters: average coverage area per station, average population served per stations, total population staff ratio. Besides, travel time zones of the fire stations have been generated using Network Analyst tool in Arc GIS 10.1 showing the area that can be reached by the stations within the standard response time.

In the process of service area demarcation, a fire station layer and a street layer is used. In the street layer each street line segment contains attribute information such as road type, distance, and travel speeds (miles or kilometers per hour). Through the identification of a station location and specification of travel time, network analysis can be run. The result is displayed by an irregular polygon around the station that illustrates where the fire apparatus could travel in any direction for the specified time. This type of analysis can be performed on a single station or simultaneously on all stations to analyze gaps in coverage, establish run orders, and more [19]. Mahmud and Indriasarin (2009) generated travel time zones through network analysis in GIS for fire stations [20].

In this research, the simple road network data has been used with limited information like speed limit, travel time. The average speed of the vehicle of Dhaka city has been used in travel time calculation for fire-fighting vehicles. The Dhaka Transport Coordination Board (DTCB) had found the average vehicle speed of Dhaka city of 15kph [37] which has been set as standard speed of fire-fighting vehicle. In the process of service area demarcation, a network dataset has been created from the road network dataset having the attribute of road length, average speed and travel time. Then from this network data set the standard service area has been developed for 12 fire stations of DMA for 4 minutes, 8 minutes and 10 minutes travel time.

Then detail fire-fighting capacity of the selected stations has been explored with respect to designated coverage area and serving population size along with their standard service area. The capacity of manpower of three stations has been illustrated. The type and

capacity of fire-fighting vehicles with respect to respective land use characteristics (land use category, structure type and height, road width, water source) has been revealed.

3.8 FINAL REPORT

Finally, the report has been prepared compiling all the information have been collected and the results of the analysis with some recommendations for improving the fire-fighting system.

CHAPTER 04

STUDY AREA PROFILE

4.1 INTRODUCTION

Considering the urban characteristics and fire hazard proneness, Dhaka Metropolitan Area (DMA) has been selected as study area to identify the distribution pattern of fire incidents. And to assess the fire-fighting capacity three *thana*s have been selected for detail analysis. In the following part of this chapter, brief description of the study areas has been given.

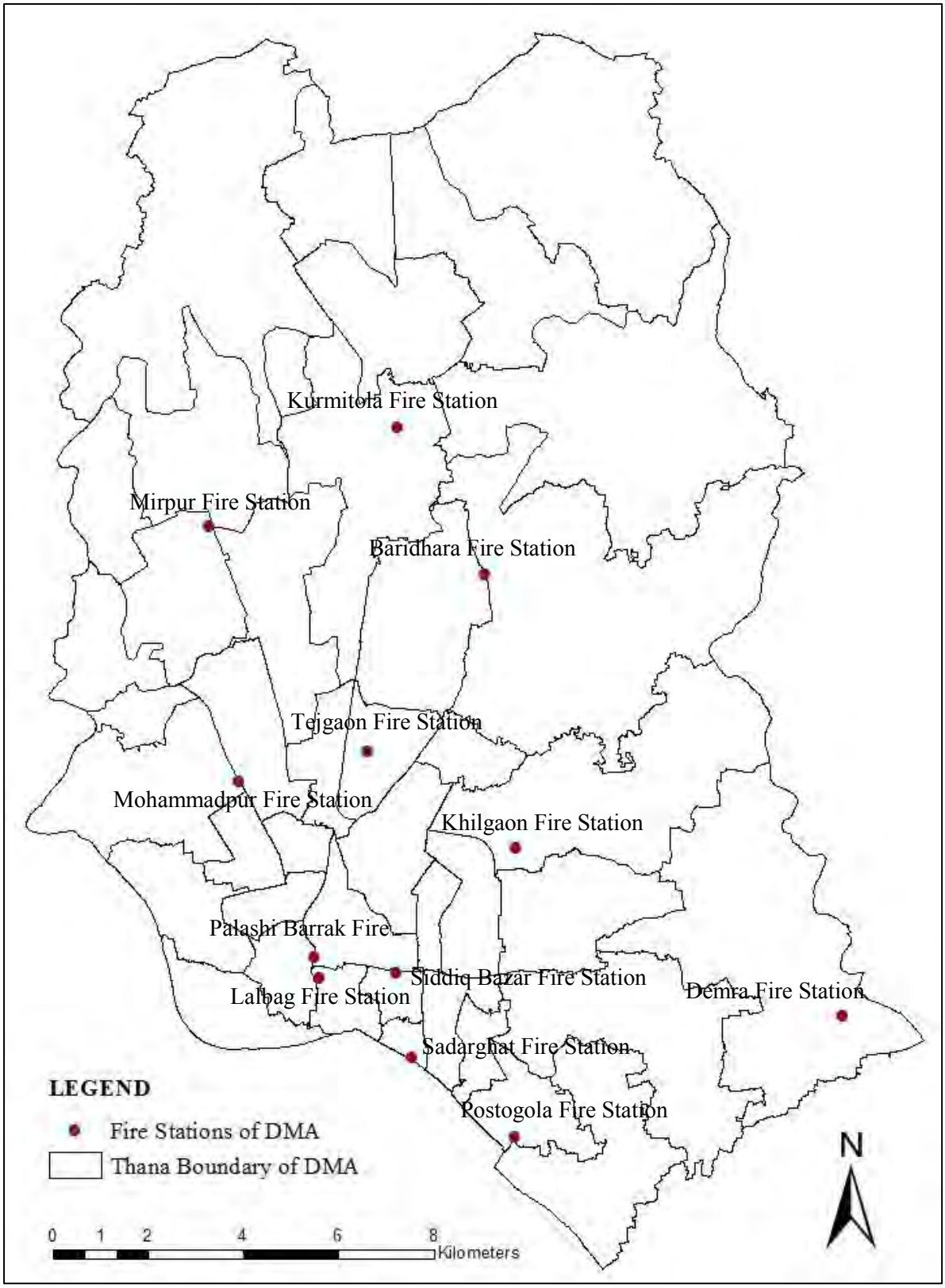
4.2 DHAKA METROPOLITAN AREA

Dhaka is the capital of Bangladesh located on the Bank of Buriganga River. Dhaka is situated between latitudes 23°42' and 23°54'N and longitudes 90°20' and 90°28'E. The city is bounded by the rivers Buriganga to the south, Turag to the west, Balu to the east and Tongi Khal to the north [38]. It is bounded by the districts of Gazipur, Tangail, Munshiganj, Rajbari, Narayanganj, Manikganj. According to the census of 2011, around 8.9 million people are living in Dhaka Metropolitan Area (DMA) which is composed of 41 *thana*s (Figure 4.1) covering an area of approximately 342 sq. km. The population growth rate in last decade was 3.73% which is very alarming for a city [7]. The growth of population in this city is mostly accounted for the migration from the rural to urban area.

In the process of this urbanization, Dhaka city has increased its population, different structures, transport services, industries etc. And these entire situations have pushed the city in the vicinity of disaster. Along with the natural disasters like, flood, heat generation, earthquake etc. some manmade hazards have made the city life more vulnerable like, traffic congestion, fire incidence, environmental pollution etc. Among these man-made urban disaster, fire incident is the most crucial one, as it directly causes loss of human life and property.

4.3 FIRE STATIONS IN DHAKA METROPOLITAN AREA

There are 12 fire stations within DMA (Figure 4.1) to serve the huge population. And out of these stations, Tongi Fire Station is responsible to serve the area: Turag Thana, Uttara *Thana*, Uttor Khan *Thana* and Dakkhin Khan *Thana* which is situated within DMA; but the station is situated outside DMA.



Map 4.1: Map of *thana*s of Dhaka Metropolitan Area with 12 fire stations
Source: BBS, 2011

Throughout the country, the fire stations are classified according to the characteristics of the serving area. Considering the frequency of fire incidents and urban structure characteristics, stations are classified in three types:

- 1st class (A): having high frequency of fire incident and high density of population and structure.
- 2nd class (B): having moderate frequency of fire incident and moderate density of population and structure.
- 3rd class (C): having low frequency of fire incident and low density of population and structure.

In case of setting up a new fire station in new location, the BFSCD authority fix the type of that station reviewing the urban characteristics and fire incidents pattern of that area. In the Table 4.1, 12 fire stations of DMA along with their type and construction year have been enlisted:

Table 4.1: Type and construction year of fire stations in Dhaka Metropolitan Area

Name	**Class**	**Construction Year**
Mirpur Fire Station	A	1967
Mohammadpur Fire Station	A	1963
Baridhara Fire Station	B	2004
Lalbag Fire Station	A	1847 (newly in 2001)
Postogola Fire Station	A	1963
Palashi Barrak Fire Station	A	1974
Kurmitola Fire Station	A	1980
Sadarghat Fire Station	A	1952
Siddiq Bazar Fire Station	A	1977
Khilgaon Fire Station	A	1998
Tejgaon Fire Station	A	1965
Demra Fire Station	A	1983

Source: BFSCD,2014

In DMA, as the hazard proneness to fire is high almost all stations, except Baridhara Fire Station, are class-A station. However, which is needed to be noted that, among the above 12 stations, six stations were constructed before liberation. And another four stations were constructed within 1991. After that period, though huge population has been added to the city population only two stations has been constructed.

4.4 DESCRIPTION OF SELECTED THREE *THANA*

To assess the fire-fighting capacity of fire station three *thana* (Map 4.2) considering three different broad land use categories like, commercial and mixed use area, industrial area and residential area having high frequency value of fire incidents have been selected (discussed in detail in section 5.4). The name of the selected *thana* are Kotwali *Thana*, Tejgaon Industrial Area *Thana* and Pallabi *Thana*. So, the selected fire stations for detail analysis are Sadarghat Fire Station, Tejgaon Fire Station and Mirpur Fire Station serving the above *thana*s respectively.

4.4.1 Kotwali *Thana*

Kotwali, a metropolitan *thana* within Dhaka City Corporation, came into existence in 1931. The *thana* was reconstituted in 1976 and again in 2008 for administrative convenience. The *thana* occupies an area of 0.69 sq. km. It is located between 23°41‟ and 23°42‟ north latitudes and between 90°24‟ and 90°25‟ east longitudes. The *thana* consist of two full and two part of wards and 42 *mahallah*s having population of 62,087. In the *thana* 93.1% general households live in *pucca* house, 6.6% in semi-*pucca* house, 0.1% in *kutcha* house and the remaining 0.2% live in *jhupri* [7].

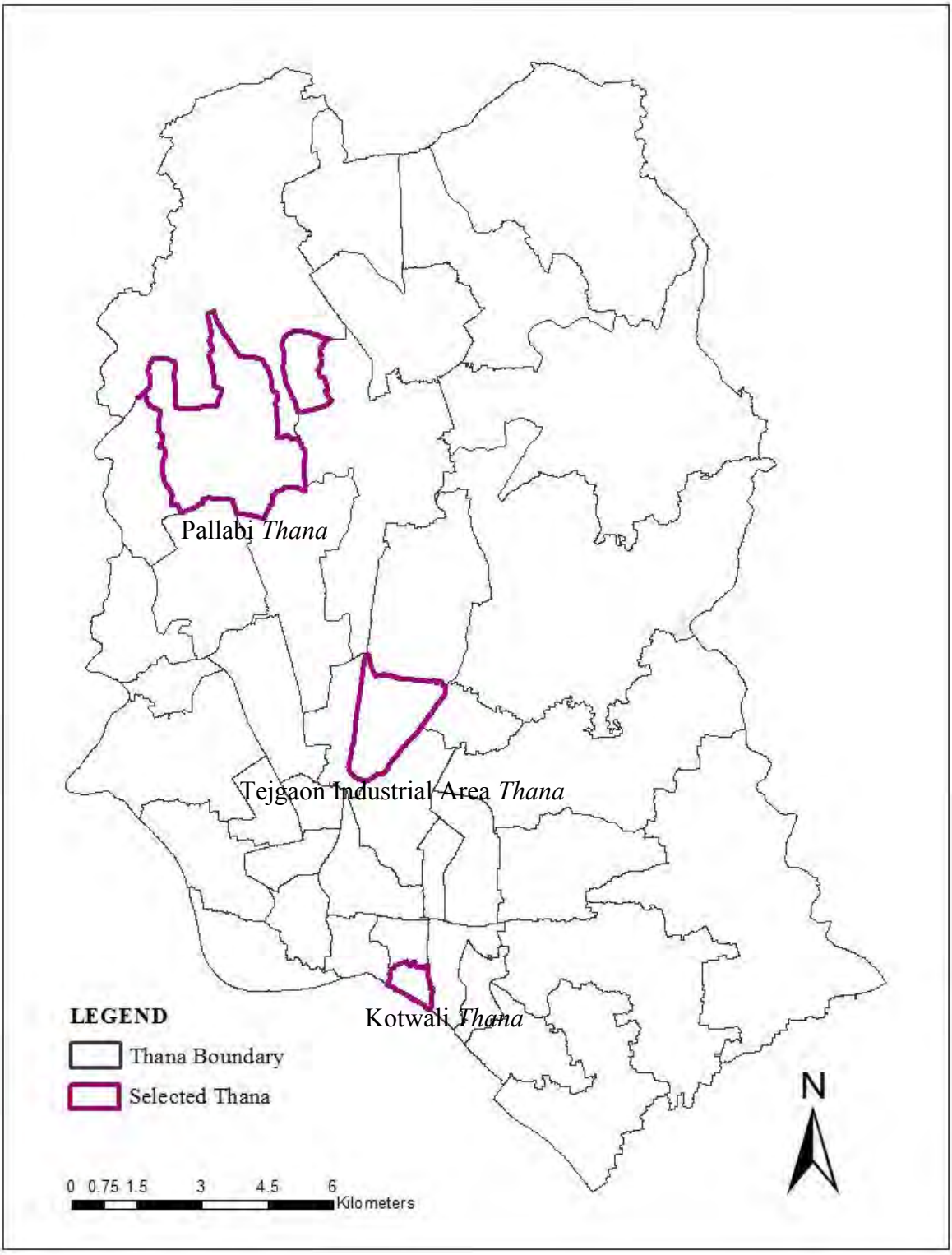
4.4.2 Tejgaon Industrial Area *Thana*

Tejgaon Industrial Area (IA), a metropolitan *thana* within Dhaka City Corporation, came into existence in 2006, comprising some parts of Tejgaon and Gulshan *Thana*. The *thana* occupies an area of 4.77 sq.km. It is located between 23°45‟ and 23°46‟ north latitudes and between 90°23‟ and 90°25‟ east longitudes. The *thana* consists of one full and two parts of city wards and nine city *mahalla*s. Population size of this *thana* is 146,732. In the *thana* 45.0% general households live in *pucca* house, 25.1% in semi-*pucca* house, 22.4% in *kutcha* house and the remaining 7.5% live in *jhupri* [7].

4.4.3 Pallabi *Thana*:

Pallabi, a metropolitan *thana* within Dhaka City Corporation, came into existence in 1993, comprising some parts of Mirpur *Thana*. The *thana* was reconstituted in 2012 for effective control and administrative convenience. The *thana* occupies an area of 9.97 sq.km. It is located between 23°48‟ and 23°52‟ north latitudes and between 90°20‟ and 90°23‟ east longitudes. The *thana* consists of four full and two part of city ward and 48 city *mahalla*s having 596,835 population. In the *thana* 47.2% general households live in

pucca house, 39.7% in semi-*pucca* house, 7.7% in *kutcha* house and the remaining 5.4% live in *jhupri* [7]



Map 4.2: Map of Dhaka Metropolitan Area with selected *thanas* (Source: BBS, 2011)

4.5 SUMMARY FINDINGS

DMA has been selected to assess the distribution patter of fire incidents. Three *thana*s have been selected on the basis of density of fire incidents from three different broad land use categories to explore their land use characteristics and assess the fire-fighting capacity with respect to their specific land use features.

CHAPTER 05

DISTRIBUTION OF FIRE INCIDENTS IN DHAKA METROPOLITAN AREA

5.1 INTRODUCTION

Data of fire incidents are always listed in the record book of fire stations under the parameters of incident date, response time, location, cause of incident, name of serving station and amount of loss and recovery due to incident. The data on fire incidents for the year of 2011 to 2013 have been collected from that record book of fire stations and detail analysis has been done. In this chapter the distribution of fire incidents at different land use categories and structure types has been focused. Then the hotspots, having high density of fire incidents, have been identified. Considering the identified hotspots, three different land use areas have been selected for detail study and analysis.

5.2 DISTRIBUTION OF FIRE INCIDENTS

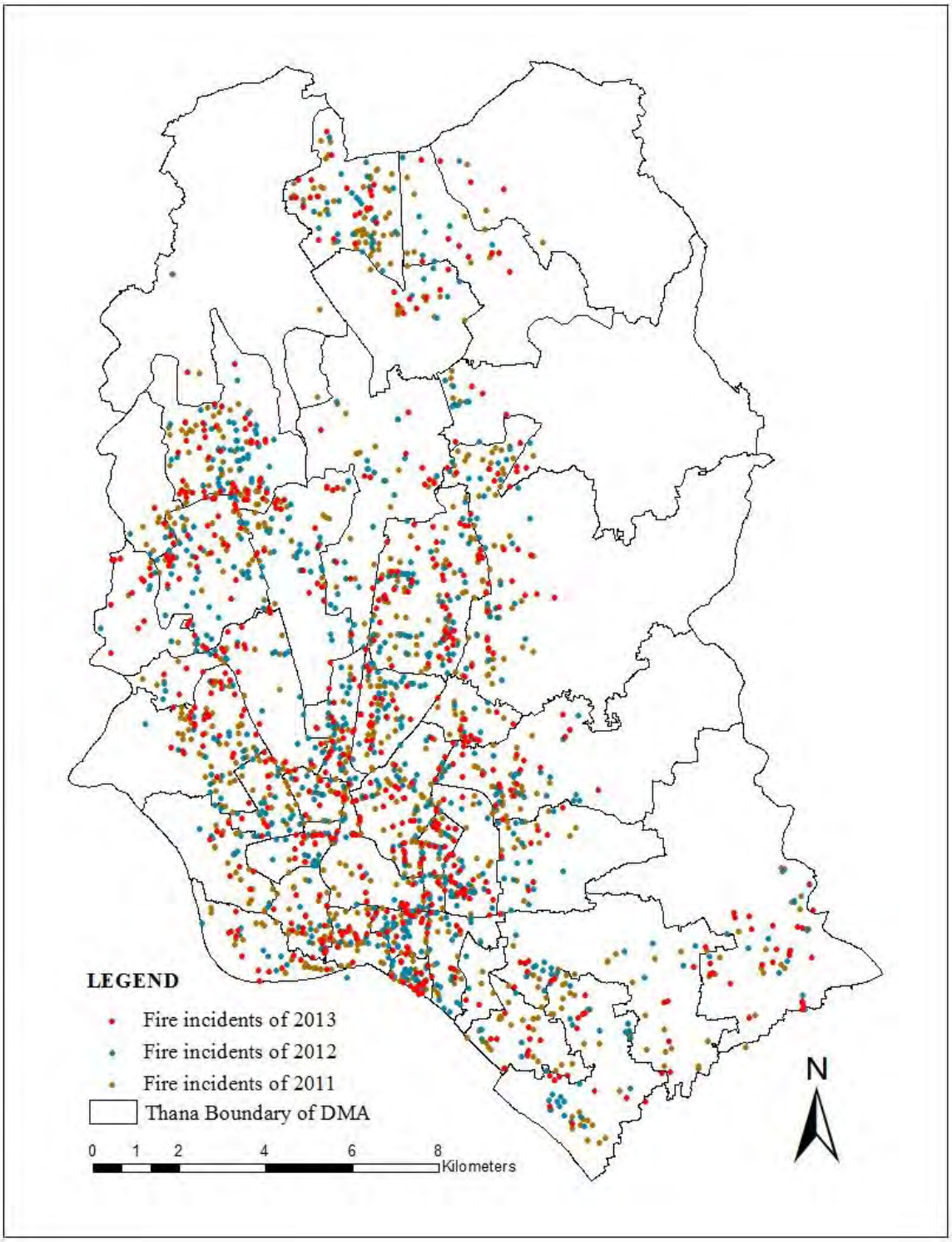
The fire incidents, occurred from the year 2011 to 2013, within a structure or land use are considered for this research. This data set did not include the fire incidents occurred in vehicles. As a whole, 2,389 locations have been identified (Map 5.1) and the incidents have been classified according to the year of occurrence which has been shown in Table 5.1:

Table 5.1: Yearly frequency of fire incidents

Year	**Frequency of fire incidents**
2011	941
2012	785
2013	663
Total	**2389**

Source: BFSCD, 2014

In the Table 5.1, negative trend of fire occurrence has been observed. According to Major AKM Shakil Newaz, Director (Operation & Maintenance), Fire Service and Civil Defence, awareness about the source of fire incidents and its devastating nature among the general people is increasing in recent days.



Map 5.1: Yearly distribution of fire incidents at different *thana*s of DMA
Source: BFSCD, 2014

5.2.1 Distribution of Fire Incidents According to Land Use Type

To ensure fire safety, at first, the most vulnerable land use type is required to be identified where the incidents mostly take place. The places of fire incidents are spread through different land use categories and the frequency of incidents also varies in these categories [1]. In the log book of fire incidents, the land use category of the structure is not directly recorded, only the use of the structure is recorded. From the collected data on the uses of the structures land use type of the structure has been classified according to the land use type of the Detail Area Plan (DAP). The incidents have been classified in the following land use categories:

- Residential use
- Commercial use
- Industrial use
- Mixed use
- Public facilities (include school, college, hospital, mosque, madrasa, temple, public institutions etc.)
- Road (include utility line like gas line, electric line, manhole)
- Open space
- Building of under construction

From the analysis, it is evident that, the number of fire incidents is highest in residential land use category; next higher occurrence is found in commercial land use, and then in industrial land use (Figure 5.1).

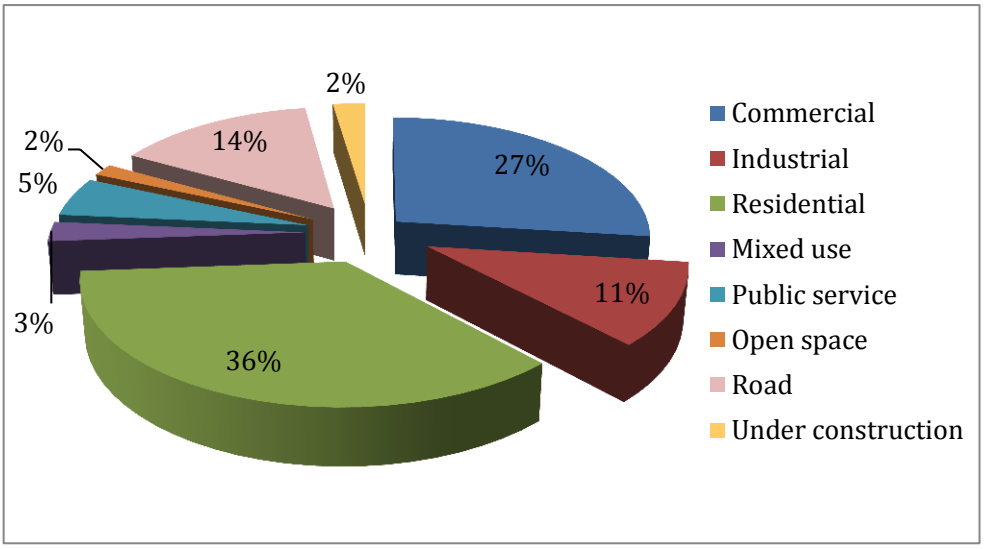


Figure 5.1: Distribution of fire incidents at different land use categories (2011-2013)
Source: BFSCD, 2014

Alam and Baroi (2004), in their research work also found the fire incidents at market places, residential buildings and road ways (electricity and gas installations) with 17%, 15% and 14% of total incidents respectively. The research was carried out for Dhaka and based on the reported fire incidents occurring in seven years, from 1995 to 2001 [16].

In addition to frequency of incidents, it is important to identify the loss of property due to fire incidents in different categories of land uses. Figure 5.2 shows the average loss of fire incidents at different land use categories.

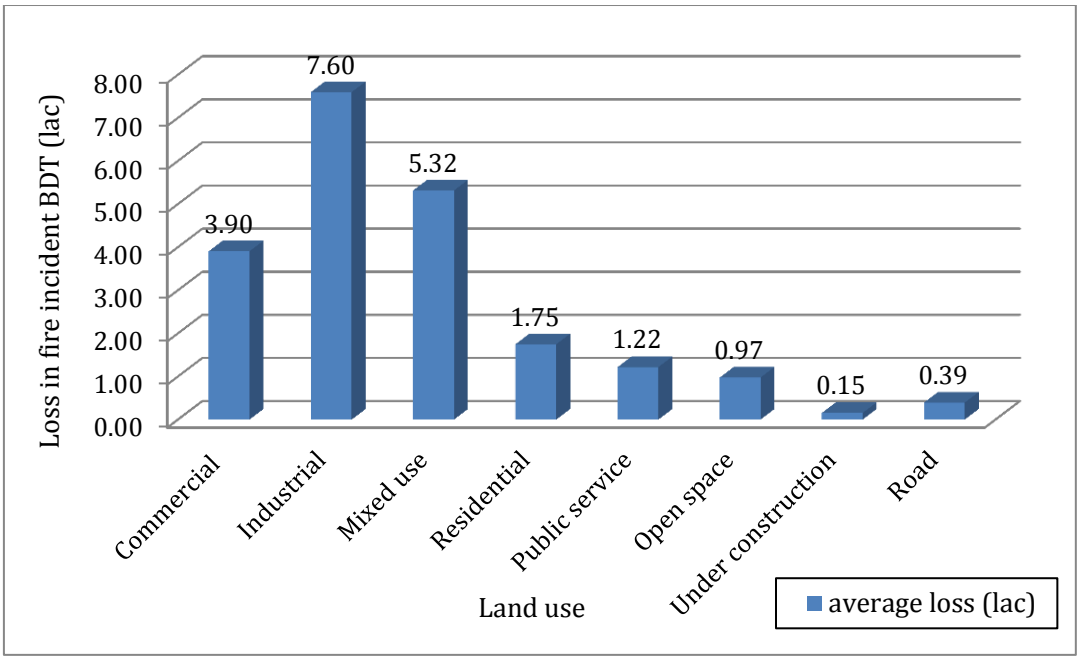


Figure 5.2: Average loss of properties according to different land use categories (2011-2013)
Source: BFSCD, 2014

From the Figure 5.2, it is clear that, industrial land use faces more economic loss due to fire incidents, as it experienced highest average loss of BDT 7.60 lac among all the land use categories. The figure shows, in case of all residential uses (including non-slum and slum areas) the average loss of property is BDT 1.75 lac. But, only in slum areas the observed average loss is BDT 12.79 lac which is greater than the loss experienced in industrial land use. So, slum areas are most vulnerable to fire incidents among all types of land uses.

Though the frequency of fire incidents is highest in residential land uses, the industrial land uses as well as the slum areas face more economic losses. In the industries, expensive machineries are used to produce goods. Beside, in some cases of industrial land uses, fire spread so rapidly due to explosive materials. So, the fire causes huge economic loss within a short time in industrial land uses. On the other hand, in slum areas the

density of dwelling structures are significantly high and the building material are so susceptible to fire that the fire spread very rapidly within the site. And sometimes result in a destruction of the whole area with a huge economic loss and often serious injuries and life loss of the inhabitants.

5.2.2 Type of Structure at the Location of Fire Incidents

Along with the land use types, another important aspect is the type of structures those are caught in fire. All types of structures are subjected to fire incidents for different reasons. If the incidents are classified according to the type of structure at the location of fire incidents the following trend can be depicted (Figure 5.3):

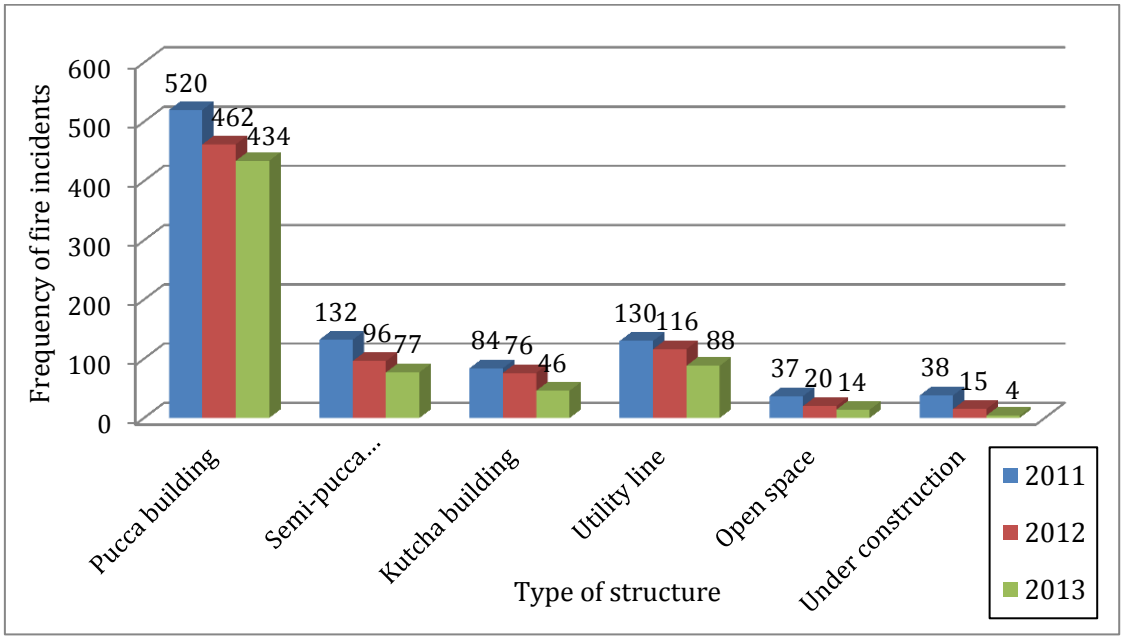


Figure 5.3: Frequency of fire incidents according to different use of structures (2011-2013)
Source: BFSCD, 2014

The Figure 5.3 shows a negative trend of fire incidents in all types of structures. In the aforementioned part of the report (section 5.2), a negative trend has also been observed for all incidents occurring within DMA for the period of 2011 to 2013. And this negative trend reflects the increasing awareness among the general people about fire hazard.

From the Figure 5.3, it is evident that, most of the incidents took place in *pucca* structures and then in utility lines. With the development of any urban area, generally the number of *pucca* structures increases. In DMA, most of the structures are *pucca* (34%). These *pucca* structures are used for different purposes. So, the number and utility of *pucca* structure is higher than any other type. And this type of structure is experiencing most fire incidents from the year 2011 to 2013.

Short circuit in road side electric transmitter and electric wire is very common for Dhaka city. Though in most of the cases the fire originated from road side electric installation is put off before spreading, sometimes it may cause significant damage for the adjacent buildings. The leakage from the road side gas riser or gas line is another significant source of fire. And the fire originated from the gas source has to be handled in proper way to get rid of severe destruction. Alam and Baroi (2004), in their research, also found the fire incident at electricity and gas installations with a notable percentage (14%) of total incidents [16].

Table 5.2 shows a number of fire sources which have been identified from recorded data and these sources are distributed according to the type of structures it affected.

Table 5.2: Distribution of sources of fire according to structure type

Source of fire	***Pucca* structure**		**Semi *pucca* structure**		***Kutcha* structure**	
	Number	**%**	**Number**	**%**	**Number**	**%**
Electric line	1045	74.32	216	72.00	121	60.50
Gas line	138	9.82	11	3.67	6	3.00
Cigarette	104	7.40	30	10.00	30	15.00
Coil/ Candle	16	1.14	15	5.00	9	4.50
Stove	53	3.77	9	3.00	31	15.50
Chemical reaction	7	0.50	1	0.33	-	0.00
Machine/Wielding	43	3.06	18	6.00	3	1.50
Total	1406	100.00	300	100.00	200	100.00

Source: BFSCD,2014

From the Table 5.2, it is clear that most of the incidents of every structure type are created from electric sources which include short circuits in electric line as well as in different electronic appliances like television, air condition and so on. Alam and Baroi (2004) found faulty electrical lines as the major cause of fire incidents. 34% of the total fire incidences of Dhaka city occurred from electrical short circuit during the year 1995 to 2001 [16]. Islam and Adri (2008) also found electric short circuit as the main cause of fire accidents in Dhaka city for every year of collected data (from 2001 to 2007). Electric short circuit results mainly from the loose connections, substandard wiring and overloading of the system and unconcious use of electrical appliances [33].

In *pucca* structure, main two sources of fire are electric line and gas line, whereas in case of *kutcha* structure, in addition to electric short circuit 30% fire is originated from cigar and stove. In *pucca* structure, electric short circuits are mostly evident from different type of electrical appliances like, air conditioned, television etc. Besides, in *pucca* structure, sometimes fire is originated from gas stove or gas cylinder. In slum areas, it is a common practice to have illegal electric lines installed with substandard wiring. Moreover, in slum areas, the stoves or burners are not set with proper precaution at appropriate location. The materials of *kutcha* structures are more susceptible to fire. So, in *kutcha* structures, the fire spreads very rapidly and cause huge loss of property in a very short time. It is also evident from the aforementioned part (section 5.3), which states that, in slum areas the average loss due to fire incidents is highest. So, very special care is needed for *kutcha* structures specially in slum areas.

5.3 IDENTIFICATION OF DENSELY FIRE OCCURING AREAS

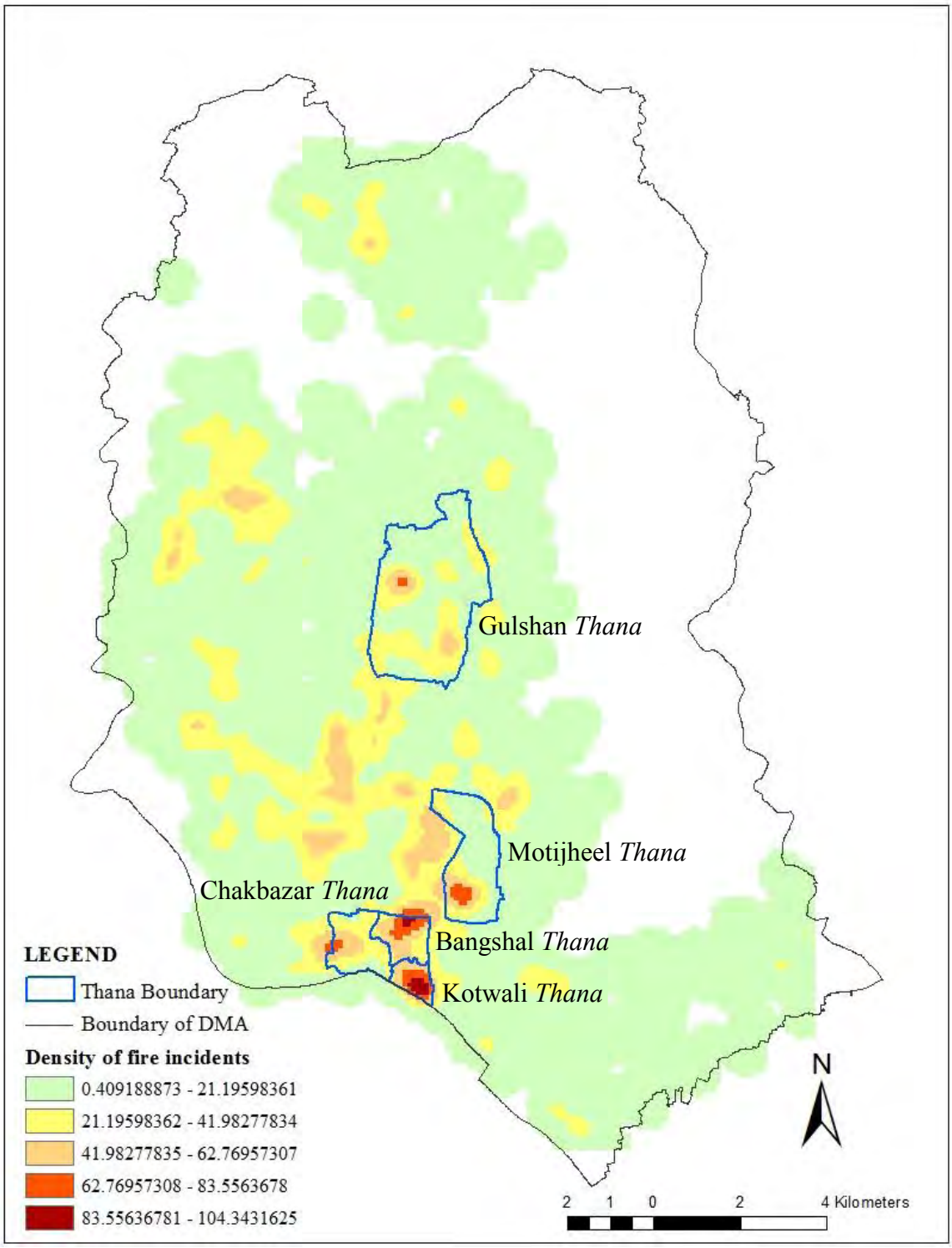
The location within a city having higher fire incidents should get the prime attention to adopt fire prevention and protection measures. In this part of the research, densely fire occurring areas have been identified using Kernel Density tool. In the Map 5.1, these areas have been shown.

As mentioned earlier (section 2.7.2), the Kernel Density tool calculates a magnitude per unit area from point features using a Kernel function to fit a smoothly tapered surface to each point. The surface value is highest at the location of the point and diminishes with increasing distance from the point, reaching zero at the search radius distance from the point. It can be calculated for different point features like finding density of houses, crime reports, points of any occurance like road accident, fire incident and so on. This tool is used basically to identify the hotspots in different cases. Wing and Long (2015) identified hot spots of fire occurrence in the study area using this tool [30].

In this research, using the Kernel Density tool a map has been created having the raster cell size 100m X 100m to identify the density value of fire incidents per 0.01 sq.km. Based on this density value of fire incidents, the areas of having fire incidents have been classified in 5 categories, through equal interval process which can be termed as:

1. Extremely high fire incidental zone
2. High fire incidental zone
3. Moderate fire incidental zone

4. Low fire incidental zone
5. Extremely low fire incidental zone



Map 5.2: Map of *thana*s containing the hot spots

From the Map 5.2, the coverage area of these five types of zones has been calculated. Then detail land use categories of these areas have been revealed (Appendix D).

The areas of having the density value from 83 to 104 are classified as "Extremely high fire incidental zone" which covers an area of 0.2 sq.km. And the hotspots are situated at Kotwali *Thana* and Bangshal *Thana* (Map 5.2). The area is mostly occupied with commercial (38.45%) and mixed (25.67%) land uses. On the other hand, in this zone, coverage of residential area is very low (4.85%). Some important public services cover a big portion (20.55%) of this area. Among the public facilities there are Jagannath University, other schools and colleges, health facilities and some other government offices which can be considered as critical facilities and needed to take special care.

The area having the density value of fire incidents from 62 to 83 are classified as "High fire incidental zone" which covers an area of 0.92 sq.km. These hotspots are located in Kotwali *Thana*, Bangshal *Thana*, Chakbazar *Thana*, Motijheel *Thana* and a small portion in Gulshan *Thana* (Map 5.2). In this category, the area is mostly covered by mixed use (24.75%) and then by commercial use (20.17%). Public services also cover a big portion (21.34%) of High fire incidental area. These facilities include schools, health facilities, mosques, banks, police stations and other government offices. So, public facilities should be given more attention to take prevention measures from fire incidents.

In "Moderate fire incidental zone" the density value of fire incidents ranges from 41 to 62 and its coverage area is 6.21 sq.km. In this zone, besides the mixed use (16.18%) and commercial use (12.67%), residential uses occupy a notable portion of land (33.83%). The residential areas of this zone mostly located in Mirpur-10, west Dhanmondi, west Tejturi bazar, Tejkoni para, Malibag and Shantinagar. The public facilities like schools, colleges, hospitals, and other government public offices occupy 10.30% land of this zone.

In the "Low fire incidental zone" and "Extremely low fire incidental zone" the density of fire incidents ranges from 21 to 41 and 0.1 to 21 respectively. In these zones, residential use has been increased occupying 48.68% and 53.28% of respective zones, whereas the occupancy of other types of use has been decreased.

The most notable findings from the detail land use categories of the above five fire incidental zones are that, in the "Extremely high fire incidental zone" 38.45% land is used for commercial purpose and 25.67% land is used for mixed purpose, whereas only 4.84% land is used for residential purpose. On the other hand, in "Extremely low fire incidental

zone" 53.28% land is used for residential purpose whereas 2.50% and 1.75% land is occupied with commercial purpose and mixed purpose respectively. So, areas of commercial and mixed use are most hazardous areas. And in residential area, though the frequency of incidents is highest but mostly residential areas are found in Low and Extremely low fire incidental zones.

5.4 SELECTION OF STUDY AREAS FOR DETAIL ANALYSIS

For detail analysis, three *thana*s have been selected considering two criteria:

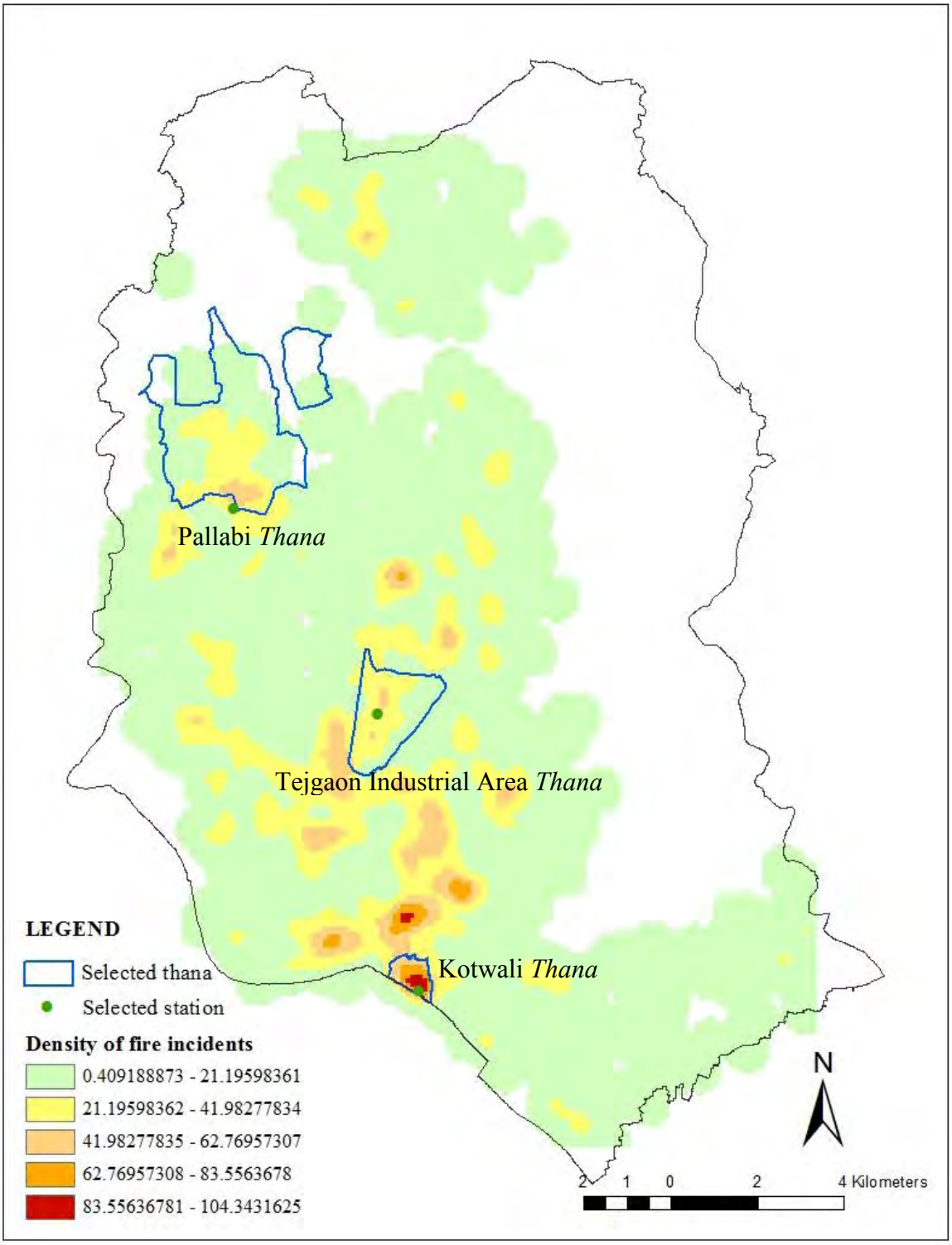
- Density of fire occurrence
- Broad land use category

In the *thana*s where the density of fire occurrence is higher has been selected for detail analysis from three different broad land use categories: (1) commercial and mixed use, (2) industrial use and (3) residential use. As discussed earlier (section 5.3), the hotspots are located in Kotwali *Thana*, Bangshal *Thana,* Chakbazar *Thana*, Motijheel *Thana* and a small portion in Gulshan *Thana* which has been considered as "Extremely high fire incidental zone" or "High fire incidental zone". These areas are mostly covered by commercial use and mixed use. Among these *thana*s*,* one *thana* has been selected which is Kotwali *Thana*, as this *thana* is experiencing highest density of fire incidents.

As in industrial area loss of property due to fire incidents is very high, next study area has been selected from industrial land use category. Tejgaon Industrial Area (IA) *Thana* is the most important industrial place in Dhaka whose different locations are inside the Moderate to Extremely low fire incidental zone and it has been selected for detail analysis.

In residential areas the frequency of fire incidents is highest. One *thana* has been selected from this land use category. Considering the residential area, two hotspots of Moderate fire incidental zones are located in Uttara *Thana* and Pallabi *Thana*. Due to unavailability of land use and structure information of Uttara *Thana*, Pallabi *Thana* has been selected as third study area.

And, for the assessment of fire-fighting capacity with respect to land use characteristics three fire station serving the above *thana*s like Sadarghat Fire Station serving Kotwali *Thana*, Tejgaon Fire Station serving Tejgaon Industrial Area *Thana* and Mirpur Fire Station serving Pallabi *Thana*, have been selected (Map 5.3).



Map 5.3: Map of densely fire occurring areas with selected *Thana* and selected Fire station

5.5 SUMMARY FINDINGS

It is evident that, fire incidents of DMA are distributed in a relatively cluster pattern. Most of the incidents (60%) took place in *pucca* structures and in residential land uses (36%). But, higher economic loss was experienced in slum areas and industrial land uses. Though the frequency of fire incidents is highest in residential use, in "Extremely high fire incidental zone" and "High fire incidental zone" most of the land is occupied by commercial use and mixed use. Three *thana* of three different land use categories like Kotwali *Thana* of commercial and mixed use, Tejgaon Industrial Area (IA) *Thana* of industrial use and Pallabi *Thana* of residential use have been selected for detail analysis of fire-fighting capacity which is discussed in the following chapter.

CHAPTER 06

LAND USE CHARACTERISTICS OF STUDY AREAS

6.1 INTRODUCTION

For detail investigation three study areas were selected on the basis of higher density of fire occurrences from three different land use categories. These areas are Kotwali *Thana*, Tejgaon Industrial Area *Thana* and Pallabi *Thana*. Detail landuse characteristics of these *thana*s, which include land use categories, structure type of building, building height and road width of the areas, has been studied. The distribution of fire incidentes of these *thana*s has been revealed according to different land use categories and type of structures.

6.2 LAND USE CHARACTERISTICS OF SELECTED *THANA*

Detail landuse characteristics of specific areas are important issue to take necessary precaution againt fire incidents. For example, in industrial area, fire station needs special fire fighting vehichles which may differ from the vehicles of fire stations in residential areas. Besides, in areas of highrise buildings, vehicles or equipments are needed to reach the highest building height in times of emergency. In the following part, detail landuse characteristics of three *thana*: Kotwali *Thana*, Tejgaon Industrial Area *Thana* and Pallabi *Thana* have been discussed.

6.2.1.KOTWALI *THANA*

Kotwali *Thana* is the area of having highest density value of fire incidents. This *thana* is located in the older part of Dhaka. It is bounded by Bangshal *Thana* on the north, Keraniganj *upazila* on the south, Surtapur *Thana* on the east, Chawkbazar model *Thana* on the west.

Land use categories: If the major land uses of Kotwali *Thana* is classified in detail, the following figures are depicted in Table 6.1:

Table 6.1: Land use categories of Kotwali *Thana*

Land use	**Area (sq. km.)**	**Percent**
Commercial Area	0.211	30.84
Residential Area	0.070	10.19
Industrial Area	0.000	0.07
Mixed Use area	0.224	32.72
Public Facilities	0.082	12.04
Open Space	0.002	0.27
Water bodies	0.011	1.64

Source: Detail Area Plan, 2010

From the Table 6.1, it is clear that, most of the areas of the *thana* is used for commercial (30.84%) and mixed use (32.72%) purpose, whereas residential use is very low (10.19%). Public facilities also cover a large portion (12.04%) of the *thana* which include school, university, mosque and madrasa, temple and other government and non-government professional services.

In the mixed use structures of Kotwali *Thana*, mostly the residentail use is accompanied with office, factory, market, bank, and other retails. The other mixed uses include the combination of uses of office and market; office and other retails; market and restaurant; bank and office; school and market; at different level of the structures. There is also three types of use in a structure like market, bank and office; office, bank and other retails and so on. In the commercial land use maximum buildings are used as market place.

Photograph 6.1: A building with mixed use (residential and market)

The south side of the *thana* is bounded by Buriganga river and there is a fixed water body named “Gol Talab” within the area.

Structure type: In Kotwali *Thana*, maximum buildings are old and building density is very high. Approximately, 20% buildings were constructed before 1980 and 40% buildings were constructed from 1981 to 1990. There are around 3,620 structures in every

square kilometer of Kotwali *Thana*. If the buildings are classified according to their material type (Figure 6.1), most of the structures of the *thana* are found as *pucca* structure.

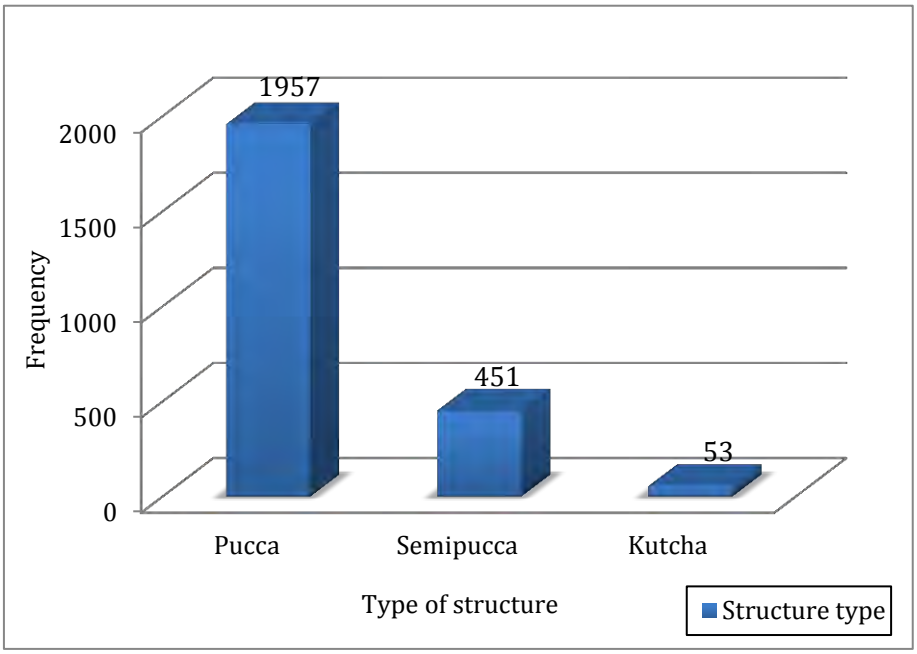


Figure 6.1: Type of the structures of Kotwali *thana*
Source: Detail Area Plan, 2010

Height of building: In Kotwali *Thana*, though most of the buildings are within the height of four storied building, there are some buildings of nine to fourteen storied. So, fire stations must be prepared to address fire incidents in those highrise buildings (Table 6.2).

Table 6.2: Storied of the buildings of Kotwali *Thana*

Building Storied	**Frequency**	**Percentage**
1 to 4	1983	80.58
5 to 8	463	18.81
9 to 14	15	0.61
Total	**2461**	**100**

Source: Detail Area Plan, 2010

Road width: As a part of old Dhaka, road width of Kotwali *Thana* is very low (Figure 6.2).

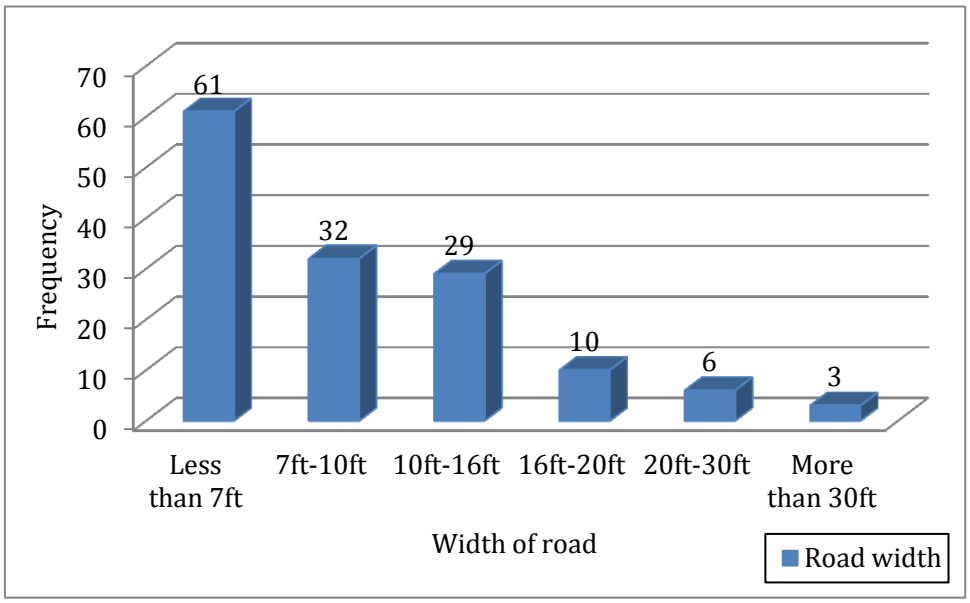


Figure 6.2: Road width of Kotwali *Thana*
Source: Detail Area Plan, 2010

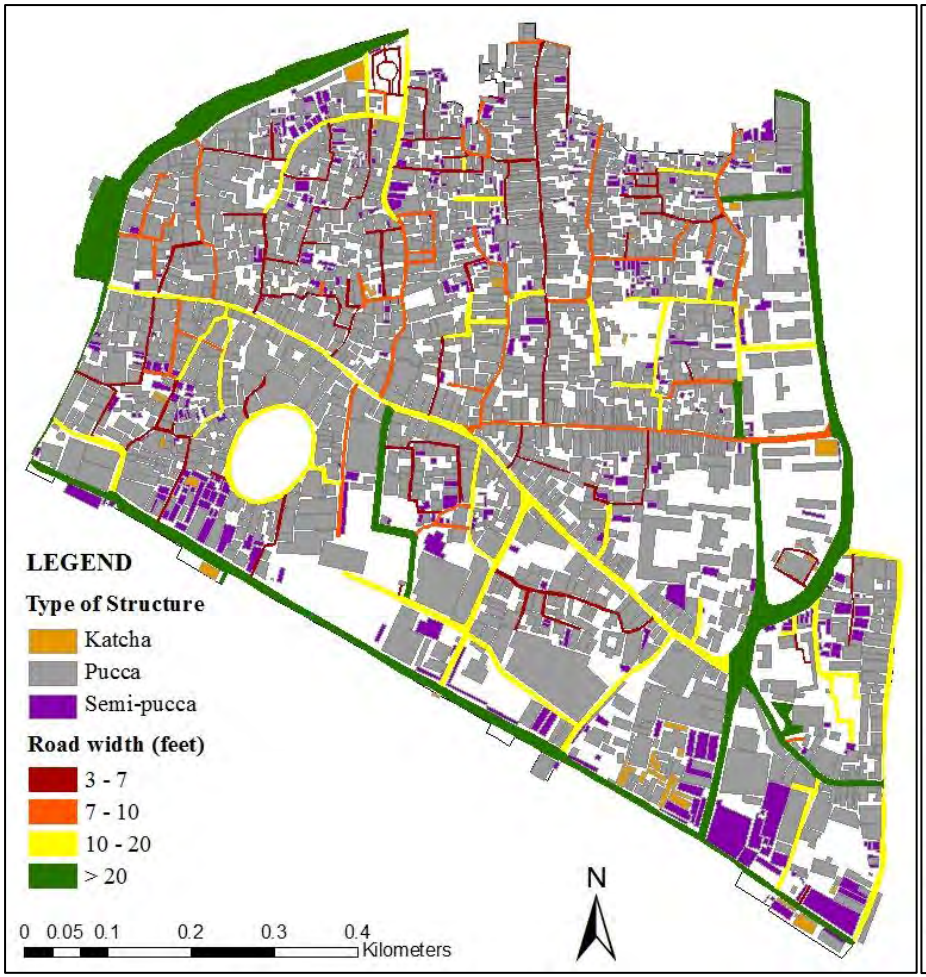
From Figure 6.2, about 43.2% of the roads are within 7ft width and 22.6% of the roads are of 7ft to 10ft wide. About 20.5% roads are of 10ft to 16ft wide and 7% roads are of 16ft to 20ft wide. And only 6.3% roads are more than 20ft wide.

Key findings from Kotwali Thana

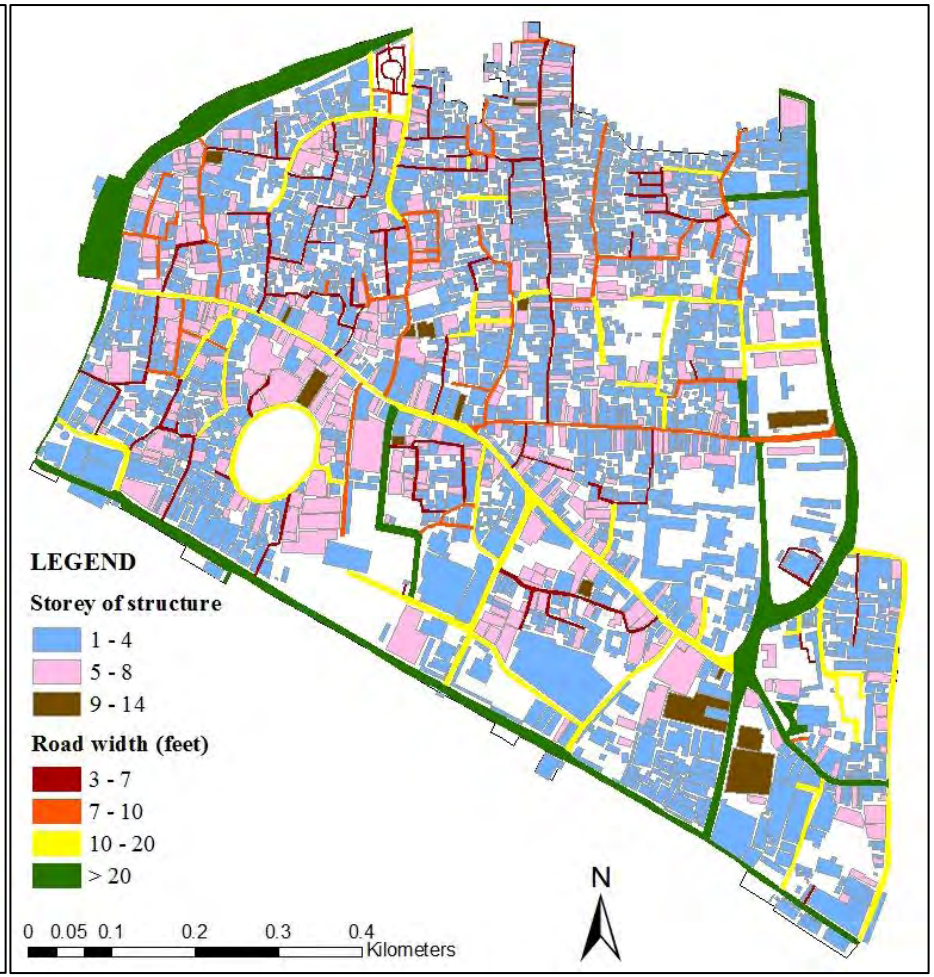
In Kotwali *Thana* maximum roads are very much narrow. Map 6.2 has been created by overlapping the roads with the structures of the *thana*. It is found earlier that, most of the structures of the *thana* is *pucca*. These *pucca* structures are mostly bounded by road from 3ft to 20ft wide (Map 6.2 (a)). The semi *pucca* and *kutcha* structures are mostly located in the southern part of the *thana* and most of the cases they get access from a wider road (more than 20ft).

Photograph 6.2: A high rise building with narrow access road

Most of the building (80.58%) of Kotwali *Thana* are within four storey, mostly having the access with road of 3ft to 10ft width. In some cases this width varies from 10ft to 30ft. The building of 5 to 8 storied are mostly



(a)



(b)

Map 6.1: Map of (a) Type of structure and (b) Storey of structure with access road width of Kotwali *Thana* Source: Detail Area Plan, 2010

getting access from road of more than 10ft wide. In some cases the road width falls to 7ft wide. There are 15 buildings from 9 storey to 14 storey which are mostly used as market place; sometimes with the combination with residential house or office place. Among these buildings, two buildings are getting access through a road of less than 7ft wide. These two buildings are being used as residential purpose and mixed use purpose having residential use with market. The other four high rise buildings are getting access from a road of 7ft to 10ft wide which are being used for mixed purpose; residential use with market or other retails. The other buildings of 9 storey to 14 storey are getting access from more than 10ft wide road and are being used as market, office or the combination of both.

6.2.2 TEJGAON INDUSTRIAL AREA *THANA*

Tejgaon Industrial Area *Thana* was formed in 2006, seperating basically the industrial part of Tejgaon *Thana* and some part of Gulshan *Thana*.. Historically, Tejgaon *Thana* had been a centre of industrial activity in the city. Numerous plants and factories were developed in Tejgaon. And now, Tejgaon Industrial Area *Thana* has become the prime location of industries of Dhaka. The *thana* is bounded by Gulshan *Thana* on the north, Ramna *Thana* on the south, Rampura *Thana* on the east and Tejgaon *Thana* on the west.

Land use categories: Tejgaon Industrial Area *Thana* is basically occupied by industrial uses. Besides the industries, residental houses as well as public facitities have been established. Detail land use categories of the *thana* has been given in Table 6.3:

Table 6.3: Land use categories of Tejgaon Industrial Area *Thana*

Landuse	**Area (sq. km.)**	**Percent**
Commercial Area	0.349	10.36
Residential Area	0.492	14.59
Industrial Area	0.857	25.41
Mixed Use area	0.070	2.07
Public Facilities	0.597	17.69
Recreational Area	0.013	0.38
Agricultural Area	0.008	0.23
Water bodies	0.359	10.65

Source: Detail Area Plan, 2010

As the area was developed based on industries, a large portion of land (25.41%) is used for industrial purpose. The industries include, textile & garments industry, readymade garments, pharmaceuticals industry, chemical industry, metal industry, dyeing industry, factory of bakery product, paper product, plastic recycling, wire & cables, plastic factory, saw mill and other industries. In this *thana*, public facilities also cover significant area (17.69%). Along with school, college, mosque and hospital. Public services mostly include the offices of professional services like newspaper publication, BRTA, BSTI and some other government offices and institutions. In residential area (14.59%), there are some government quarters of respective offices.

Structure type: In Tejgaon Industrial Area *Thana*, buildings were constructed mostly after 1970. About 25% buildings were constructed from 1970 to 1980 and 45% buildings were constructed from 1980 to 1990. In this *thana*, building density is 1,347. Material type of the buildings is given below (Figure 6.3):

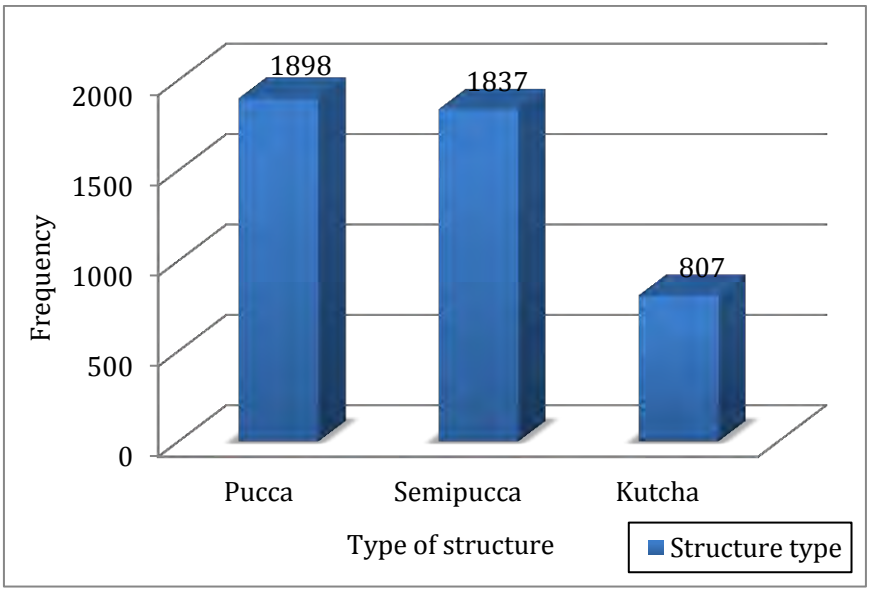


Figure 6.3: Type of the structures of Tejgaon Industrial Area *Thana*
Source: Detail Area Plan, 2010

From the aforementioned figure, it is seen that in Tejgaon Industrial Area *Thana*, number of *pucca* and semi-*pucca* structures is predominant.

Height of building: In the Table 6.4, storied of the buildings of Tejgaon Industrial Area have been given.

Table 6.4: Storied of the buildings of Tejgaon Industrial Area *Thana*

Building Storied	**Frequency**	**Percentage**
1 to 4	4191	92.27
5 to 8	324	7.13
9 to 15	24	0.53
16 to 23	3	0.06
Total	**4542**	**100**

Source: Detail Area Plan, 2010

In Tejgaon Industrial Area *Thana* most of the buildings (93%) are within four storied. But there is a building of maximum 23 storied.

Road width: In this *thana*, the industries were developed with the reference of a wide road to facilitate the transport system of loading and unloading goods. Detail road width of the *thana* is explored in Figure 6.4.

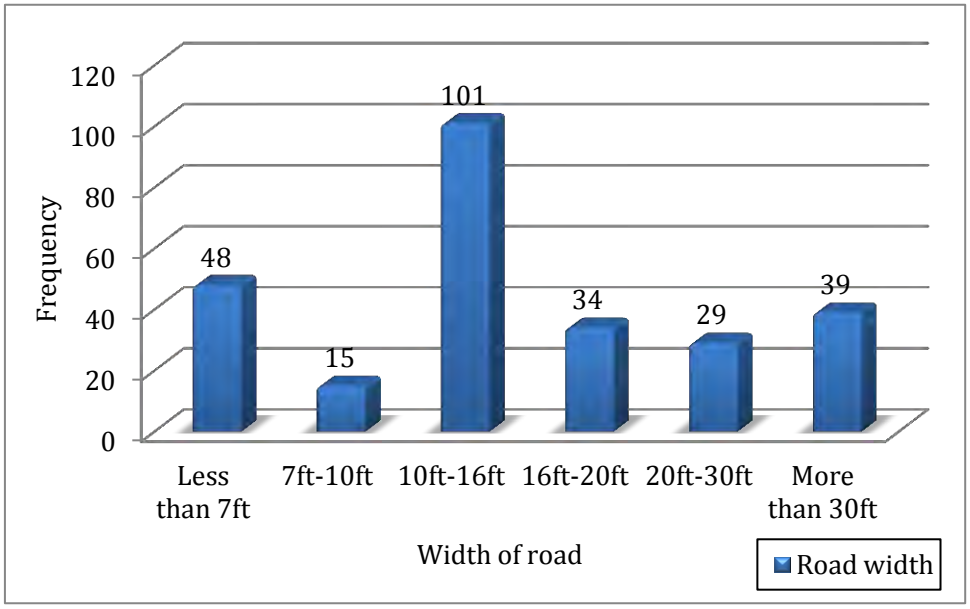
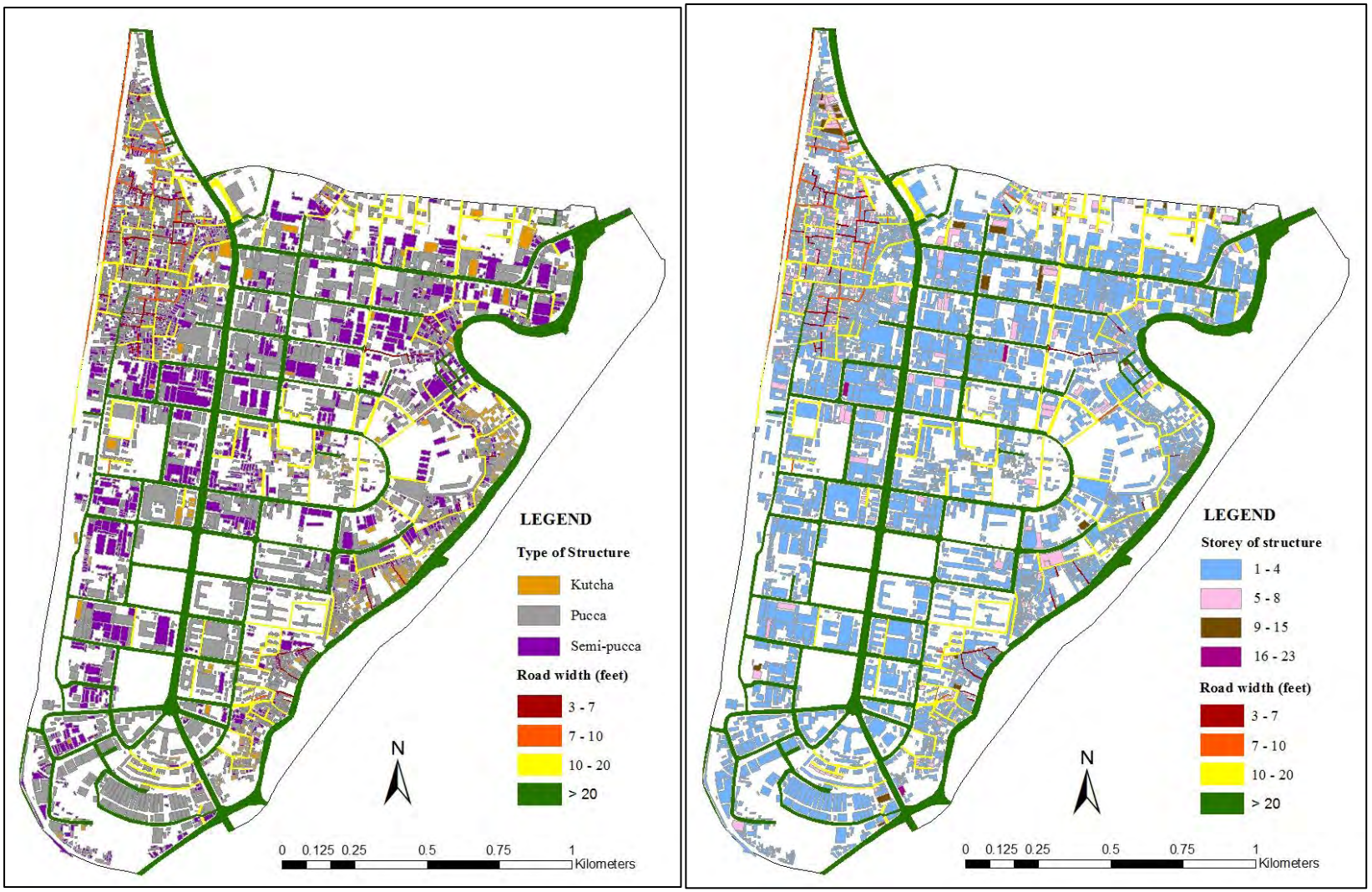


Figure 6.4: Road width of Tejgaon Industrial Area *Thana*
Source: Detail Area Plan, 2010

In this *thana*, 18% road is within 7ft wide. For 5.6% road, width varies from 7ft to 10ft. The width of a large portioan of road (38%) varies from 10ft to 16ft. 12.7% roads are 16ft to 20ft wide and 11% roads are 20ft to 30ft wide. The other 14.6% roads are more than 30ft wide.



(a) (b)

Map 6.2: Map of (a) Type of structure and (b) Storey of structure with access road width of Tejgaon IA *Thana* Source: Detail Area Plan, 2010

Key findings from Tejgaon Industrial Area Thana

From the Map 6.2, Tejgaon Industrial Area (IA) *Thana*, have been emerged on the two side of a wide road of 86.7ft width. This *thana* was developed basically in a planned manner. But some haphazard development have been carried out in north-west corner and eastern part of the *thana*. In this *thana*, most of the structures are *pucca* and semi-*pucca* and most of these structures are getting access through wider road (more than 10ft). Most of the *kutcha* sructures are located at the unplanned residential areas and these are getting access through narrow roads (3ft to 10ft). The access road width of the *pucca* and semi*pucca* structures located in the unplanned area is also getting access through the road from 3ft to10ft wide.

As mentioned earlier, most of the structures (92.27%) of this *thana* are within the height of 4 storey building. And almost all of these buildings are getting access through a road of more than 10ft wide except the buildings which are located north-west corner and eastern side of the *thana*. In the same manner, the buildings range from 5 storied to 8 storied are also having their access by a road of more than 10ft wide except the buildings which are located in the congested areas. There are 24 buildings of having height of 9 storied to 15 storied among which for three buildings the access roads are within 10ft wide which are located at the north-west corner of the *thana*. These buildings are being used for residential purpose and garments industries. There are two buildings of 11 storied and 14 storied, located at eastern side of the *thana* whose access road width is around 13ft and the building are being used for residential purpose. For the other buildings of 9 storied to 15 storied the access road width is more than 20ft. And there are three buildings of 18 storey, 19 storey and 23 storey having the access road of 60ft wide, 23ft wide and 38ft wide respectively which are being used for public service, mixed and commercial purpose respectively.

6.2.3 PALLABI *THANA*

Pallabi *Thana* is comparetively a newly developed *thana*. Its north and east side is still under developed. It is bounded by Turag *Thana* on the north, Mirpur and Kafrul *Thana* on the south, Cantonment *Thana* on the east and Shah-ali *Thana* on the west.

Land use categories: Basically, Pallabi *Thana* is a residential area. With the emergence of residential area some industries like germents industries, mixed uses and public facilities have been established. Detail land use categories of the *thana* has been given in Table 6.5:

Table 6.5: Land use categories of Pallabi *Thana*

Land use	**Area (sq. km.)**	**Percent**
Residential area	6.496	60.91
Commercial area	0.161	1.51
Industrial area	0.491	4.60
Mixed Use area	0.223	2.09
Public facilities	0.320	3.00
Recreational area	0.037	0.34
Agricultural land	0.616	5.78
Water bodies	1.215	11.395

Source: Detail Area Plan, 2010

Height of building: Maximum building (92.69%) of this *thana* are withinn four storied. And maximum storey of the buildings is 21 (Table 6.6).

Table 6.6: Storied of the buildings of Pallabi *Thana*

Building Storied	**Frequency**	**Percentage**
1 to 4	25034	92.69
5 to 8	1929	7.14
9 to 21	45	0.17
Total	**27008**	**100**

Source: Detail Area Plan, 2010

Structure type: Pallabi *Thana* is still in the process of development. The structure information of the newly developed part of the area (north part and east part) was not available. So the analysis has been done based on available data. As Pallabi *Thana* is a newly developed area, only 10% buildings were constructed upto 1980 and around 70%

buildings were constructed after 1990. Building density of every square kilometer of Pallabi *Thana* is around 2,530. Types of the structures of the *thana* is given in Figure 6.5:

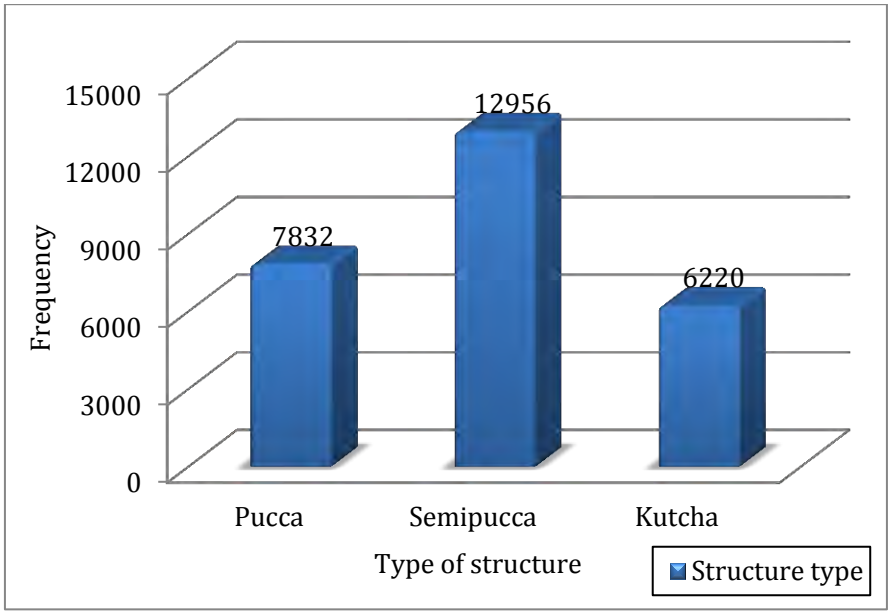


Figure 6.5: Type of the structures of Pallabi *Thana*
Source: Detail Area Plan, 2010

Road width: As Pallabi *Thana* is basically a residential area, most of the roads are access road. The width of the road have been identified in Figure 6.6.

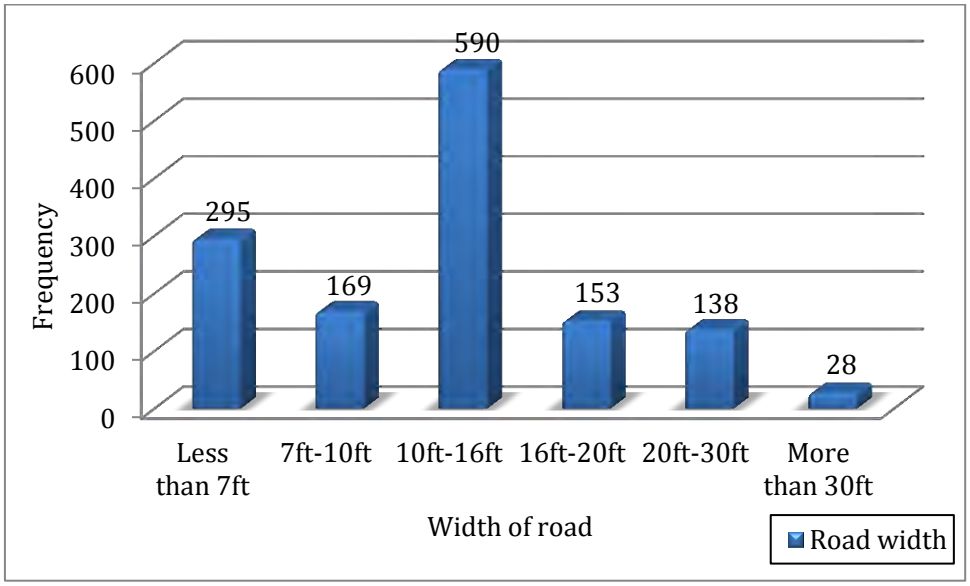
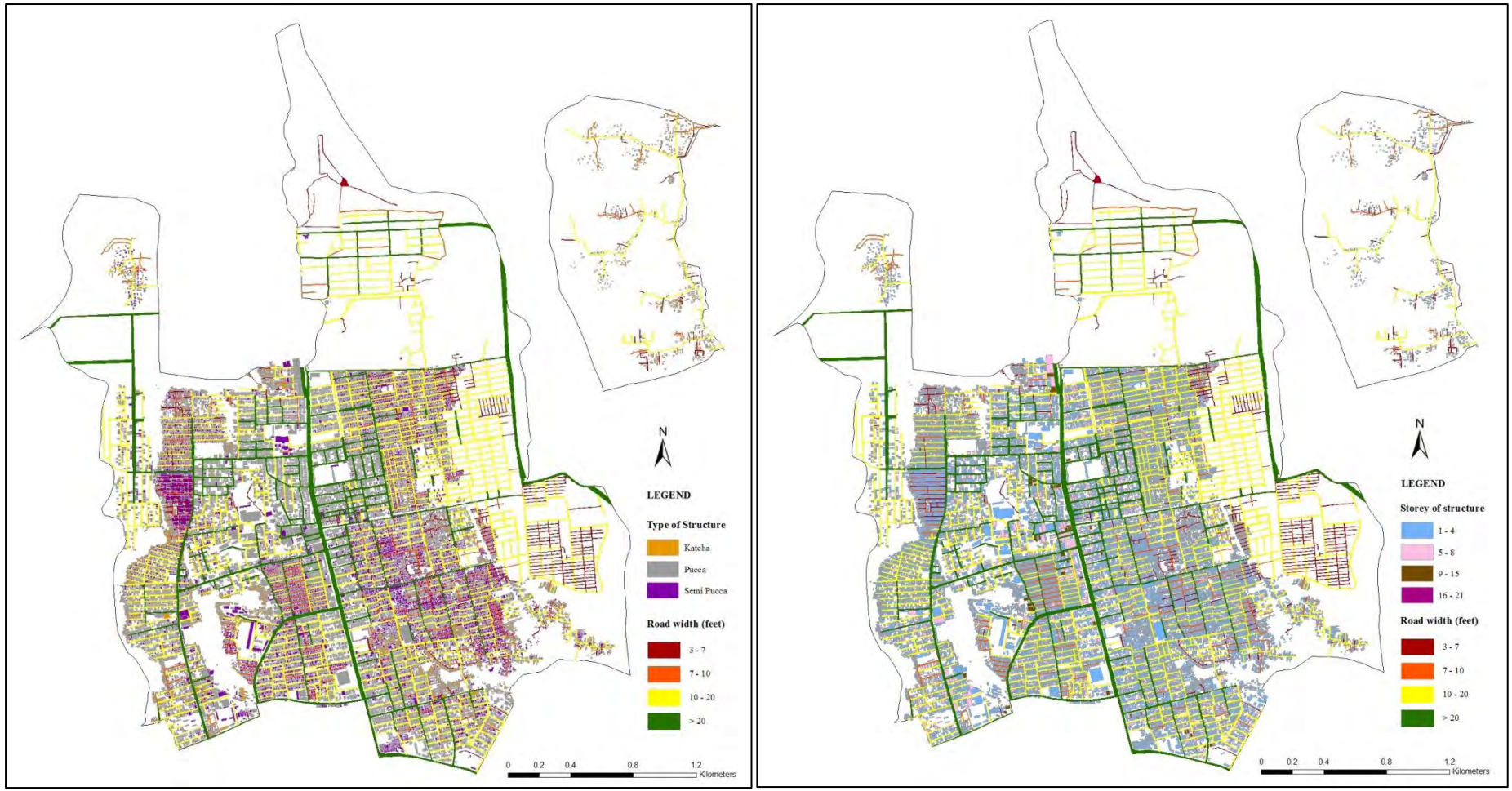


Figure 6.6: Road width of Pallabi *Thana*
Source: Detail Area Plan, 2010

In Pallabi *Thana*, 33.79% roads are within 10ft width. The width of around 43% roads range from 10ft to 16ft. 21.19% roads are of 16ft to 30ft width and only 2% roads are more than 30ft wide.



(a) (b)

Map 6.3: Map of (a) Type of structure and (b) Storey of structure with access road width of Pallabi *Thana* Source: Detail Area Plan, 2010

Key findings from Pallabi Thana

In Pallabi *Thana*, most of the land is occupied by residential use and most of the buildings (92.69%) of this *thana* are within the height of 4 storey building (Map 6.3 (a)). Among these buildings the number of semi-*pucca* structures is predominant. In most of the cases of *pucca* structures, the access road width of the buildings is more than 10ft wide. But, where the number of semi-*pucca* structures is predominant the road width become lower ranging from 3ft to 10ft. The *kutcha* structures are mostly located at slum areas or „bihari camp" and generally bounded by a road less than 10ft wide.

There are some buildings range from 5 storied to 8 storied and mostly their access road is more than 10ft wide. There is a good number of building of 9 to 15 storey buildings of residential use and germents industry which are getting access through a road of more than 20 ft wide. And there is a buildings of 21 storey having the access road of 25ft wide.

6.3 DISTRIBUTION OF FIRE INCIDENTS IN SELECTED *THANA*S

As mentioned earlier, three *thana* of three major landuse categories have been selected on the basis of having high density of fire incidents. Among the selected *thana*s, Kotwali *Thana* is experiencing highest fire incidents in the year from 2011 to 2013 and then Tejgaon IA *Thana* and then Pallabi *Thana*. These incidents are spread out through different land uses and structure types. In the following section, distribution of fire incidents of selected three *thana* according to different land use categories and structure types has been described.

6.3.1. Distribution of Fire Incidents according to Land use Type

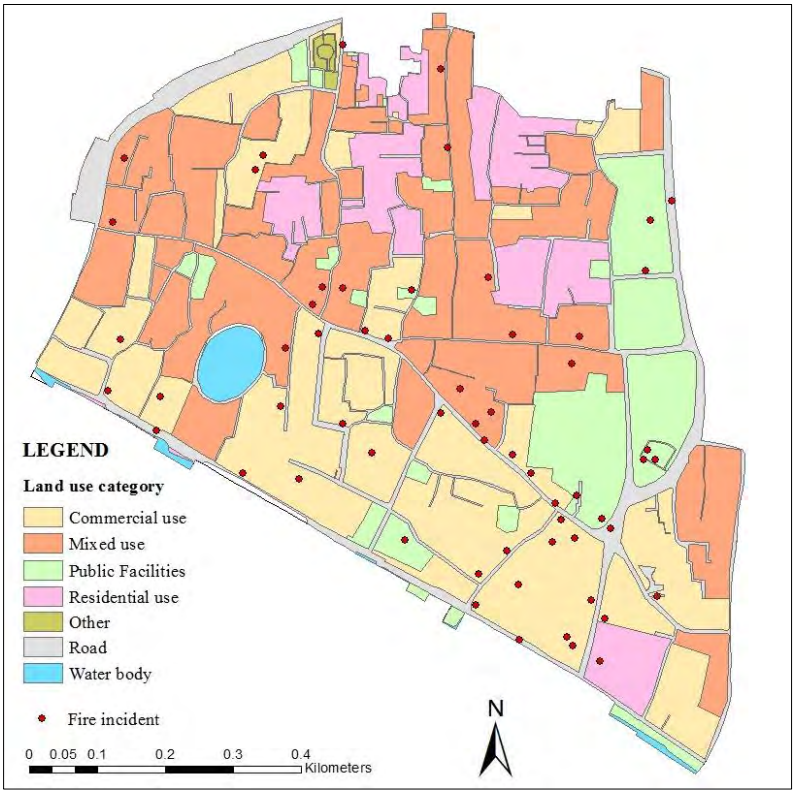
The land use of the places of fire incidents is not directly recorded in the record book of fire station; only the use of the structure is recorded. So, from this information the land use of the places of fire incidents of three selected *thana*s have been classified according to the land use categories of Detail Area Plan (DAP). Consequently, there remains some discrepancy among the original use of the building and the manipulated use of the building. For example, in the record book, only the use of that floor is written where the incident occurred. But, on the other floor it can be used for another purpose which makes the structure as mixed use building. Thus, a mixed use structure can be classified as a single use structure. In the Table 6.7, the fire incidents of three selected *thana*s have been classified according to land use type.

Table 6.7: Distribution of fire incidents according to land use categories of three *thana*s

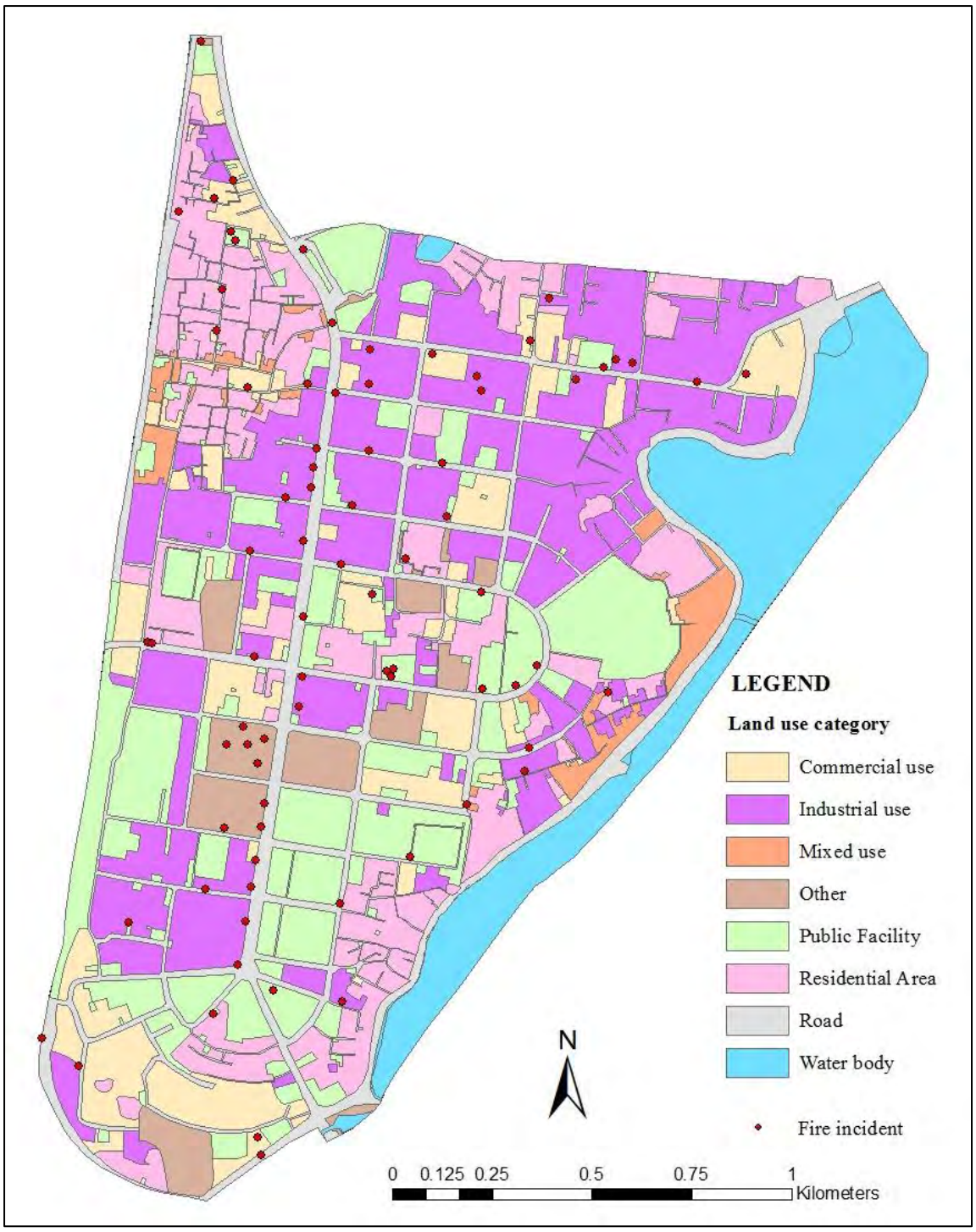
Land use categories	**Kotwali *Thana***		**Tejgaon IA *Thana***		**Pallabi *Thana***	
	Frequency	**%**	**Frequency**	**%**	**Frequency**	**%**
Residential use	11	18.33	17	21.25	64	46.04
Commercial use	32	53.33	21	26.25	25	17.99
Industrial use	6	10.00	26	32.5	13	9.35
Mixed use	1	1.67	-	-	7	5.04
Public facility*	3	5.00	3	3.75	5	3.60
Road	5	8.33	12	15	19	13.67
Open space	1	1.67	1	1.25	-	-
Under construction	1	1.67	-	-	6	4.32
Total	**60**	**100**	**80**	**100**	**139**	**100**

*Public facility = school, college, hospital, mosque, public institutions etc.
Source: BFSCD, 2014

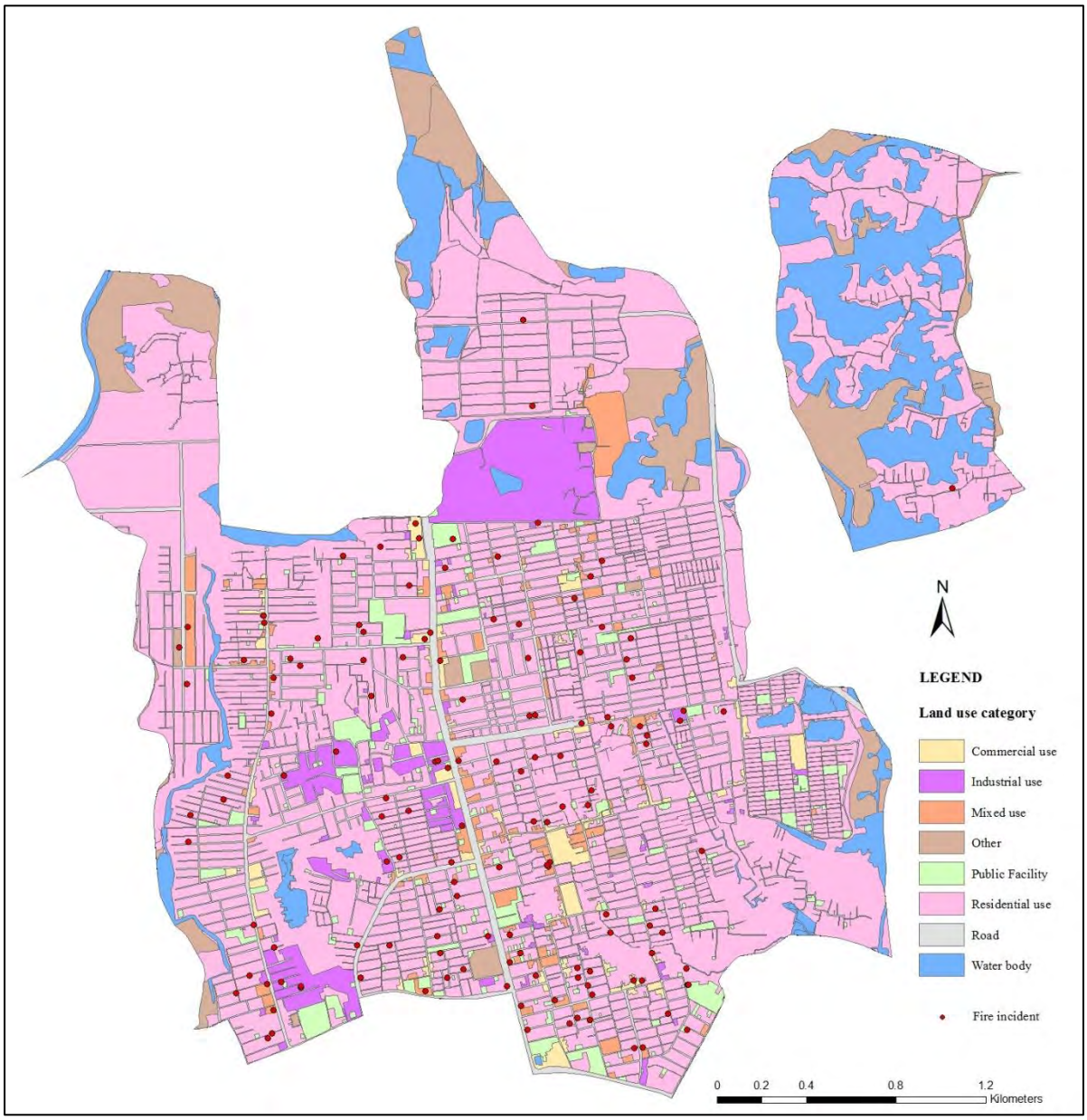
In Kotwali *Thana* major land use is mixed use and commercial use and most of the fire incidents (53.33%) have taken place in commercial places (Map 6.4). In Tejgaon IA *Thana* fire incidents have been occurred in industrial use (32.5%) and commercial use (26.25%) (Map 6.5) and in Pallabi *Thana m*ost of the fire incidents (46.04%) have been occurred in residential use (Map 6.6).



Map 6.4: Fire incidents of Kotwali *Thana* at different land use category; Source: BFSCD, 2014



Map 6.5: Fire incidents of Tejgaon Industrial Area *Thana* at different land use category; Source: BFSCD, 2014



Map 6.6: Fire incidents of Pallabi *thana* at different land use category
Source: Detail Area Plan, 2010

6.3.2. Distribution of Fire Incidents according to Use of Structure

In three *thana*s, major built structures are *pucca*. Beside *pucca* structures, fire incidents have taken place mainly in semi-*pucca* structures and utility lines. Distribution of fire incidents at different structures of three *thana*s has been identified in Table 6.8:

Table 6.8: Distribution of fire incidents according to use of structures of three *thana*s

Structure type of place of fire incident	**Kotwali *Thana***		**Tejgaon IA *Thana***		**Pallabi *Thana***	
	Frequency	**%**	**Frequency**	**%**	**Frequency**	**%**
Pucca structure	39	65.00	46	57.50	76	54.68
Semi-*pucca* structure	13	21.67	10	12.50	21	15.11
Kutcha structure	1	1.67	10	12.50	16	11.51
Utility line	5	8.33	14	17.50	17	12.23
Open space	1	1.67	-	-	3	2.16
Under construction	1	1.67	-	-	6	4.32
Total	**60**	**100**	**80**	**100**	**139**	**100**

Source: BFSCD, 2014

6.4 SUMMARY FINDINGS

In brief, Kotwali *Thana* is a mixed and commercial use based *thana*, Tejgaon IA *Thana* is an industrial use based *thana* and Pallabi *Thana* is residential use based *thana*. In Kotwali *Thana*, in some cases road width is very low (less than 7ft.). Even in front of four high rise building the access road is less than 10ft. In Tejgaon IA *Thana*, the road width is comparatively higher except in the area of unplanned development. And in Pallabi *Thana*, the road width is comparetively higher in front of *pucca* structures. And in case of semi-*pucca* and *kutcha* structures the access road width become lower.

In Kotwali *Thana*, most of the fire incidents (53.33%) have taken place in commercial places. In the same manner, in Tejgaon IA *Thana* most fire incidents (32.5%) have been occurred in industrial use and in Pallabi *Thana* most fire incidents have been occurred in residential use (46.04%). In three *thana*s, beside *pucca* structures, fire incidents have taken place mainly in semi-*pucca* structures and utility lines.

CHAPTER 07

FIRE FIGHTING CAPACITY OF SELECTED FIRE STATIONS

7.1 INTRODUCTION

Standard fire-fighting capacity should be ensured for every station to face fire incidents efficiently. In this chapter, the overall fire-fighting capacity of 12 fire stations of DMA have been assessed. The detailed capacity of three fire stations - Sadarghat Fire Station, Tejgaon Fire Station and Mirpur Fire Station; serving Kotwali *Thana*, Tejgaon IA *Thana* and Pallabi *Thana* respectively, have been explored according to respective land use charecteristics.

7.2 CAPACITY OF FIRE STATIONS OF DMA

Fire-fighting capacity means the ability to fight against any fire incident. This capacity can be assessed using two parameters like spatial parameters and non-spatial parameters. Spatial parameters is basically related with the location of fire stations which include coverage area and population served, standard service area. On the other hand, non-spatial parameters include capacity of manpower and fire-fighting vehicles. In the following parts, firstly the overall capacity of 12 fire stations have been revealed. Then detail capacity of three selected stations have been stated. These three fire stations serves the three study areas selcted for detail investigation in relation to land use characteristics.

7.2.1 Coverage Area and Population Served

According to BFSCD rules, there is a designated area for every fire station and the station is responsible to respond first in times of any fire incident within that area. This area is termed as coverage area of respective fire station. When the first station fail to put off the fire then the other neighboring stations add their support in fire-fighting activity. In DMA, overall 12 fire stations are responsible to serve around 340 sq.km. area and approximately 9 million people of Dhaka. On an average, the coverage area per station is 25.17 sq.km. and the population size served per station is 7,42,170. In Bangladesh, there is no rules or standard of coverage area and size of served population. So, the coverage area and the size of serving population of these 12 stations differ in a large range from each other which will be clear from detail capacity revealed from three selected fire stations (Table 7.5).

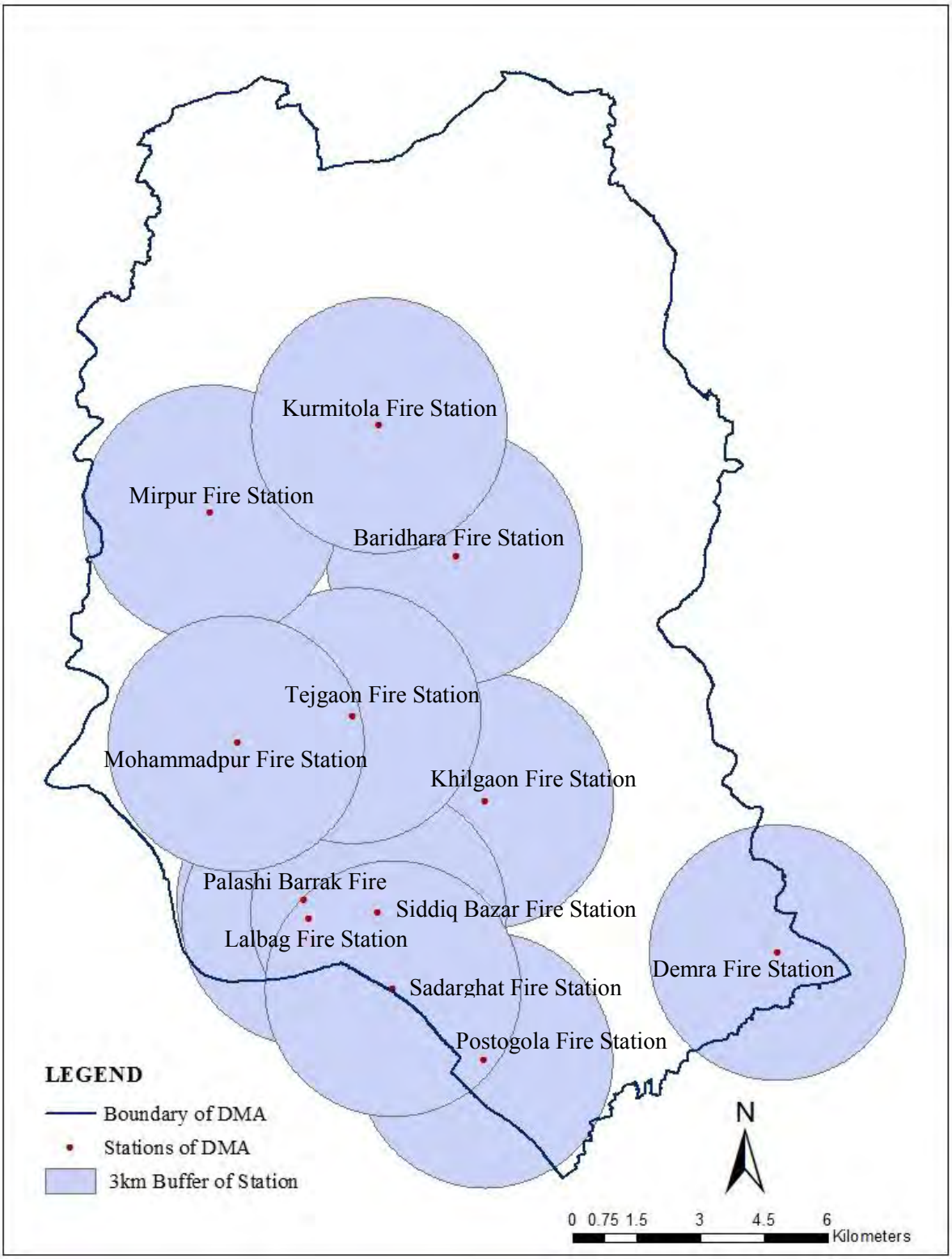
Comparison with different standard

There are different practicing standard on coverage area and size of serving population at different cities of the world. In this research, the Environmental Building Guidelines for Hyderabad Metropolitan Development Authority has been considered as the standard. Being part of the same sub-continent, the socio-economic condition of Bangladesh resembles greatly with India having deep historical linkage. As a consequence, there is a similarity between the type of urban structures and inherited hazards of Dhaka and the prime cities of India. So, this guideline has been considered as the standard of Dhaka city.

According to the Environmental Building Guidelines for Hyderabad Metropolitan Development Authority, there should be at least one fire station or a sub-fire station for a population of 2,00,000 people, within 1 to 3 kilometer [28]. Map 7.1 has been prepared with three kilometer buffer around 12 fire stations of Dhaka. Three kilometer has been considered as buffer distance because this is the higher range mentioned in Environmental Building Guidelines for Hyderabad Metropolitan Development Authority.

The Map 7.1 shows that, it covers almost whole area of DMA except northern part and some of easterm part of the DMA. And most of the buffers overlap with one another. From the location of 12 fire stations (as pointed on Map 7.1), it is clear that, the fire stations of DMA are not distributed in regular manner. In the southern part, the stations are more concentrated. Here, in case of Sadarghat Fire Station, more four stations are situated within three kilometer distance of that station. And for Siddiq Bazar Fire Station, Lalbag Fire Station and Palashi Barrak Fire Station, more three stations are situated within three kilometer distance of those stations. And, for Postogola Fire Station, Mohammadpur Fire Station and Tejgaon Fire Station, one more fire station is situated within three kilometer distance of those stations.

In last decade, Dhaka has been emerged greatly from south part to north part and east part. But, as mentioned earlier (section 4.3), only two fire stations have been constructed after 1991. For this reason, the newly developed part of the city, specially north part and east part is out of this service.



Map 7.1: Map of fire stations of DMA with three kilometer buffer distance

But, the response time or distance traveled within standard time is a crucial parameter to measure the standard coverage of fire stations. This travel distance is identified considering the road network system travelling from the station to outwards. Thus, the travelling distance of the stations is more applicable than buffer distance to set standard

service area [20]. In the later part of the research (section 7.2.2), that travel distance of the stations have been focused.

In terms of size of population serving by a station, there is also no standard in Bangladesh. Aaccording to the Environmental Building Guidelines for Hyderabad Metropolitan Development Authority, there should be at least one fire station or a sub-fire station for a population of 2,00,000 people. In DMA, the average population size serving by each station is 7,42,170. Moreover, the serving population size of each station also differs in a long range from each another, which wll be clear from section 7.3.1.

Comparative scenario of different cities

In different cities of the world there are different practicing standard of coverage area and serving population. In cities of Europe and USA the standard is high whereas in cities of Asia this standard is lower.

Table 7.1: Coverage area and serving population per station of different cities

Name of the City	**Average area coverage (sq.km)/station**	**Average population /station**
Oklahoma city [22]	44.81	14,952
Delhi [39]	36.19	33,600
Bangkok [40]	44.82	16,290
Dhaka [7]	25.17	7,42,170

In Dhaka city, average area coverage per station is relatively lower than the others. But as the density of population is very high in this city, average population servered by per station is very high which is around 22 times larger than average population served by per station of Delhi, 45 times larger than that of Bangkok and 49 times larger than that of Oklahoma city.

7.2.2 Standard Service Area:

In fire-fighting activities, response time is the most crucial issue, as the loss due to fire incidents increases with increased response time. Standard service area is the designated area within which the fire-fighting team can reach in standard response time. In this part of research, standard service area has been identified using the standard response time.

Response time

Response time is the most vital issue in times of fire incidents. According to National Fire Protection Association (NFPA) standard, the first fire fighting vehicle is supposed to arrive at a fire incident within 4 (four) minutes or less and the full assignment team is required to arrive within 8 (eight) minutes or less [23]. But, BFSCD has set their minimum response time as 10 minute considering the existing road network system. This 10 minute standard is also practicing in some other city of the world like Singapore. If the response time of fire station in times of fire incidents of selected period (2011-2013) is analyzed Table 7.2 is revealed:

Table 7.2: Response time of fire station in times of fire incidents

Response time (minute)	**Frequency**	**Percentage**	**Cumulative percentage**
Less than or equal to 4	329	13.91	13.91
5 to 8	811	34.28	48.19
9 to 10	423	17.88	66.07
11 to 15	457	19.32	85.39
15 to 20	207	8.75	94.14
Greater than 20	139	5.87	100

Source: BFSCD, 2014

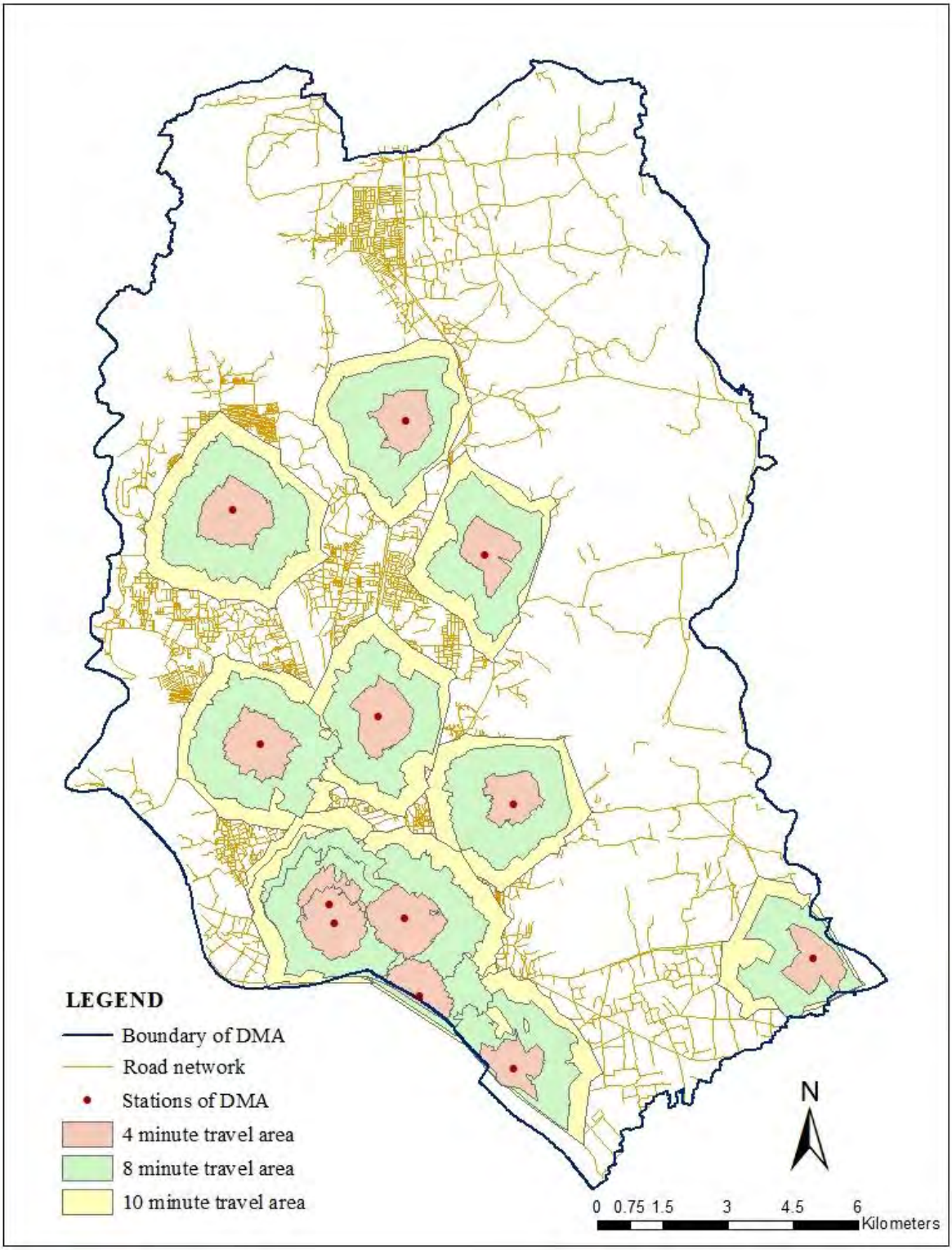
In times of fire incidents, though the turn-out time of the fire-fighters is only 30 seconds, the team cannot reach in the incident spot in due time basically because of huge traffic congestion on their way to destination. And this traffic congestion has been identified as the major obstacles to efficient fire-fighting by the fire officials of the stations. Only in around 50% cases they could reach to the incident spot within 8 minute, which is an international standard. In some cases the community people put off the fire before the arrival of fire-fighting team. In 40% cases of observed incidents the community people was able to put off the fire before the arrival of fire-fighters.

Standard service area demarcation

Standard service area of the fire stations of DMA have been demarked using the network analyst tool. In this process of service area demarcation, polygons are generated based on the network through a network analysis in a vector GIS environment. Network analysis in GIS takes into account network attributes such as road width, speed limit, barriers, turn restriction and one way restriction.

In this research, the simple road network data has been used with limited information like speed limit, travel time. The speeds of the vehicles of Dhaka city at different roads vary from one another due to different road width and traffic volume. But, this variable speed of different roads could not be found from secondary source. So, the average speed of vehicles of Dhaka city has been used in travel time calculation for fire-fighting vehicles. The Dhaka Transport Coordination Board (DTCB) had found the average vehicle speed of Dhaka city of 15kph [37] which has been set as standard speed of fire-fighting vehicle. In the process of service area demarcation, a network dataset has been created from the road network dataset having the attribute of road length, average speed and travel time. Then from this network data set the standard service area has been developed for 12 fire stations of DMA for standard response time. As mentioned earlier, NFPA recommended standard response time of fire-fighting team as 4 minutes and 8 minutes. And BFSCD has set their standard response time of 10 minutes. So, service areas of 12 fire stations of DMA have been created for 4 minutes and 8 minutes and 10 minutes travel time (Map 7.2).

From the Map 7.2, it is depicted that, in case of four minutes travel area there is no overlapping and within this time frame only 18.47 sq.km. area is covered by the staions. In case of eight minute travel area, there is no overlapping in north and east part. But in southern part, the situation is complicated. Here the eight minutes travel area of five station overlap with each other. Within eight minute time duration the stations cover additional 51.62 sq.km. As a whole, within 10 minutes travel time the stations cover approximately 100 sq.km. area of DMA. Thus, about two-third area of DMA (242 sq.km.) is out of standard service area. And 41,35,257 population is living within the area. So, around half of DMA population is living out of the standard service area.



Map 7.2: Service areas of 12 fire stations of DMA using standard response time

7.2.3 Capacity of Manpower:

Manpower is the most important element of fire-fighting system. Efficient fire-fighting is only possible when the service is properly staffed. Manpower includes the officials and the staffs involved in fire fighting activity. Besides, the regular staffs, volunteers play an

important role in times of fire incidents all over the world. Except officials, in every fire stations of DMA there are five type of staffs which include:

a. Leader
b. Driver
c. Fireman
d. Cook
e. Cleaner

Except the cook and cleaner, all staffs are trainned for fire fighting. As a whole, there are 378 trainned firefighter which include officials and firefighting staff in 12 fire stations within DMA. All the firestaff get 24 hour gap after a duty of 48 hour. But the officials do not get any precribed gap within their duty time. If necessary, they have to take leave from their office duty.

Comparison with different standard

Different national and international organization has set different standards for fire fighters to mitigate the loss of fire incidents. The National Fire Protection Association (NFPA) and the International City Managers Association (ICMA) recommend an ideal service ratio of one on-duty fire fighter per 2,000 population served [41]. In DMA, the ratio of population per on-duty fire fighter is approximately 34,250.

Besides, according to NFPA 1710 standard, four on-duty personnel for fire companies whose primary functions are to pump and deliver water and perform basic firefighting at fires, including search and rescue [42]. In all fire stations, in every fire company there goes four on duty personnel in case of any fire incident.

Comparative scenario of different cities

In different cities, there is different population staff ratio.

Table 7.3: Populaton Staff ratio in different cities

City	**Population staff ratio**
Oklahoma city [22]	645
Delhi [39]	5,115
Bangkok [40]	3,801
Dhaka [7]	23,686

In DMA, population density is very high compared to other city. So, in Dhaka, the population staff ratio is very high which is approximately 6 times larger than Bangkok, 4 time larger than Delhi and 36 times larger than Oklahoma city.

7.2.3.1 Volunteer service

Worldwide, volunteer play very important role in times of fire incidents. Volunteer fire department works parallaly with the regular fire-fighters in different fire departments of different countries. In United States, 69 percent of firefighters are working as volunteer [43]. The volunteers perform the same duty as the full-time fire-fighter whereas they receive no compensation or nominal fees up to 20% of the compensation a full-time firefighter would receive in the same capacity. In Canada, Volunteer Fire Departments are mostly found in rural and remote areas, with 127,000 such fire-fighters across the country. Volunteer departments are necessary for the areas that cannot afford to staff a full-time department [44]. In Western Australia, a Volunteer Fire Services (VFS) Brigade was established to perform the activities like bushfire fire-fighting, defensive structural fire-fighting, structural fire fighting, road crash rescue, hazardous materials recovery and community safety liaison [45]. In New Zealand Fire Service, there is also a section of volunteer service. But, the duties of the volunteers are not prescribed in a regular basis. The volunteer can help the fire service in every possible way according to their skill, which may not include the directly exposure to emergency incidents [46]. Most interestingly, in Chile, all fire departments are 100% dependent on volunteers. This is the only country in the world that no firefighter gets paid, however they have the higher service standards in the region. Surprisingly, the Chilean firefighters do not want to get paid, as they state it as the only way of keeping a service in a level of full and real social commitment [47].

But, according to the trainning department of BFSCD, there is no facilities of regular tranning courses to make volunteer. There was a project of CDMP for the period of 2011-2015, which was funded by UKaid, European Union, Norwegian Embassy, Sida, Australian Aid and UNDP. The project aim was to build up 30,000 volunteer having knowledge on collapsed structure search, rescue, fire-fighting and first aid in times of earthquake which was implemented by Fire Service and Civil Defence Directorate. Through the implementation of the program, at the end of the project 30,000 volunteer have been trainned. Target area of the project was three city corporation: Dhaka City Corporation, Chittagong City Corporation and Sylhet City Corporation and seven other

districts: Dinajpur, Rangpur, Bagura, Rajshahi, Tangail, Mymensingh and Cox‟s bazar which was selected based on the level of earthquake vulnerability. Trainned number of volunteers in three city corporation is:

- Dhaka City Corporation - 18,000,
- Chittagong City Corporation - 7,000
- Sylhet City Corporation - 3,600

And for other seven districts, there are 200 volunteers in every district. The name and the contact detail of these volunteers are stored in respective fire station, from where the trainning has been given as well as in the head office. In times of any emergency, they are communicated from the sations and sometimes spontaneous response is received.

But, recently there is no more such type of programme to make efficient volunteer.

7.2.4 Capacity of Fire-fighting vehicle

Fire-fighting vehicle is one of the vital elements of fire-fighting. It is very much necessary to reserve essential vehicles for any type of emergency. The type and capacity of these emergency vehicles must conform to the specific requirement according to land use characteristics and pattern of fire incidents.

In India, according to National Disaster Management Guidelines of Fire Services, following vehicles are recommended as standard scale for each fire station [29]:

a. Water Tender

b. Extra Heavy Water Tender

c. Ambulance

Besides, in addition to the appliances mentioned above, more specialized appliances should be provided at selected fire stations according to local circumstances. Among which Turn Table Ladder, Hydraulic Platform, Extra Heavy Pumping appliance, Motor Cycle Mist and Foam Tender are important fire-fighting vehicle.

In our country, the emergency fire fighting vehicles mostly cover the above mentioned vehicles. Existing fire-fighting vehicles of BFSCD are enlisted here:

<u>Water Tender:</u> Typical fire fighting vehicle which mainly store water to put off the fire. It can be of having different capacity ranges from 4000 to 8000 liter.

Special Water Tender: One special type of water tender having higher capacity which ranges from 8000 to11000 liter of water. Basically used in severe fire incidents.

Photograph 7.1: Water Tender

Photograph 7.2: Special Water Tender

Toeing Vehicle: Actually a carrier vehicle which is used to carry different type of equipment including water pump, foam can etc.

Turn-table Ladder: Special type of vehicle giving access to high rise building of different ranges up to 400m.

Photograph 7.3: Turn-table Ladder (up to 300m)

Photograph 7.4: Turn-table Ladder (up to 400m)

Foam Tender, Foam Caman: Special type of vehicles which use foam to put off fire having the fire origin of oil.

Chemical Tender: Special type of vehicle having four type of fire extinguishing agent-water, foam, carbon-di-oxide, dry chemical powder, which is useful in any type of fire incidents.

Water Mist: Special type of motor cycle used in giving access to narrow roads having water and foam in its reserve chamber. According to the fire officials, for the water tender more than 10ft wide road is required to get access. Where the road width is lower, this

Water Mist can be used to extinguish fire which gets easy access to narrow roads. But, their capacity (40 liter) is very low to fight against severe fire.

Photograph 7.5: Foam Tender

Photograph 7.6: Water Mist

Cold-cut: Special type of equipment carried by toeing vehicle having high pressure hose. It is also used to cut iron sheet in times of fire incident and rescue event.

Ground Monitor: Useful in severe fire incidents to through large volume of water in longer distance.

Among these vehicles, according to BFSCD rules, there is standard number of vehicles designated for each type of fire station (Table 7.4):

Table 7.4: Authorized number of vehicles in different types of fire stations

Name of the vehicle	**Type to station**		
	1st class (A)	**2nd class (B)**	**3rd class (C)**
Water Tender	1	1	1
Toeing Vehicle	2	1	-
Portable Pump	3	2	1

Source: BFSCD, 2014

All other types of vehicles are supposed to have in the head office of BFSCD and in every divisional head office. In written document, the designated type and number of vehicle and equipment did not consider the specific land use characteristics. But, According to Major AKM Shakil Newaz, Director (Operation and Maintenance), Fire Service and Civil Defence, in practical scenario, recently the vehicles are distributed according to the local requirements.

In the three study areas, three types of land uses are viewed. In the later part of this chapter (section 7.3.4) the number and type of vehicles of the selected stations will be assessed considering different land use characteristics.

7.3 CAPACITY OF THREE SELECTED FIRE STATIONS

In the following part of the report, detail fire fighting capacity of three selected fire stations have been revealed with the context of coverage area, size of serving population, manpower capacity and capacity of fire-fighting vehicles according to land use characteristics.

7.3.1 Coverage Area and Population served

In general, the coverage area of any fire station is set by the BFSCD authority when it is contructed considering the pattern of fire incidents of its surroundings. If any more station is constructed near the beofre one, than the coverage area is recreated for every fire station. There is no rules on the size of coverage area. The entire area is just distributed among the nearby stations considering the distance. When there is few number of station the coverage area of the stations is higher. On the other hand, as the number of station of a area increases the coverage area of the station decreases. In the Table 7.5, the coverage area and the population of the area served by the selected three fire stations have been stated:

Table 7.5: Coverage area and serving population of selected stations

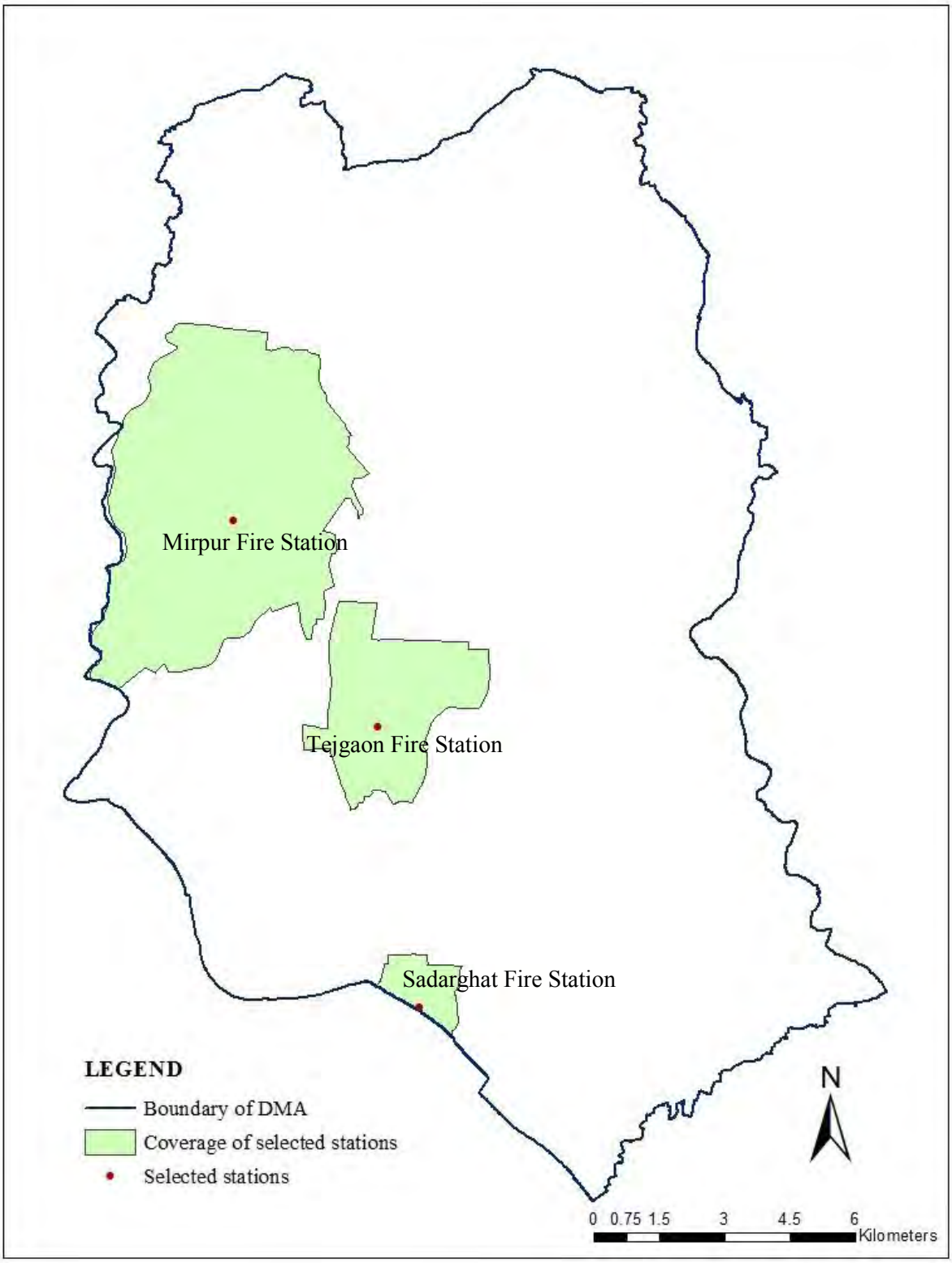
Station name	**Coverage Area (sq. km.)**	**Population served**
Sadarghat Fire Station[a]	2.14	2,19,133
Tejgaon Fire Station[b]	11.12	4,61,801
Mirpur Fire Station[c]	35.15	17,13,523

Source: a. Sadarghat Fire Station, b. Tejgaon Fire Station, c. Mirpur Fire Station; 2014

From the Table 7.5, an irrational picture is revealed. Coverage area and the number of served population differ in a long range from one station to another. As focused earlier (Map 7.1), the fire stations are more concentrated in the sourthern part of the city. As in southern part, the number of the station is higher, their coverage area and size of serving population is lower than that of a station of northern part. The coverage area of Sadarghat Fire Station is only 2.14 sq. km. whereas coverage area of Mirpur Fire Station is 35.15 sq.km. which is 17 times lager than that of Sadarghat Fire Station. As there is no more station to the north of the Mirpur Fire Station, the designated coverage area of this station is higher than any others.

Map 7.3 of coverage area of the three selected stations has been prepared based on the information collected from three selected fire stations. Then the population within these areas has been calculated from the population data of the *thana*s of 2011. The part of

thana which is included in the coverage area has been multiplied by the respective density of population to identify the total population of the coverage area. This serving population size should conform to standars for efficient fire services.



Map 7.3: Map of coverage area of selected fire stations

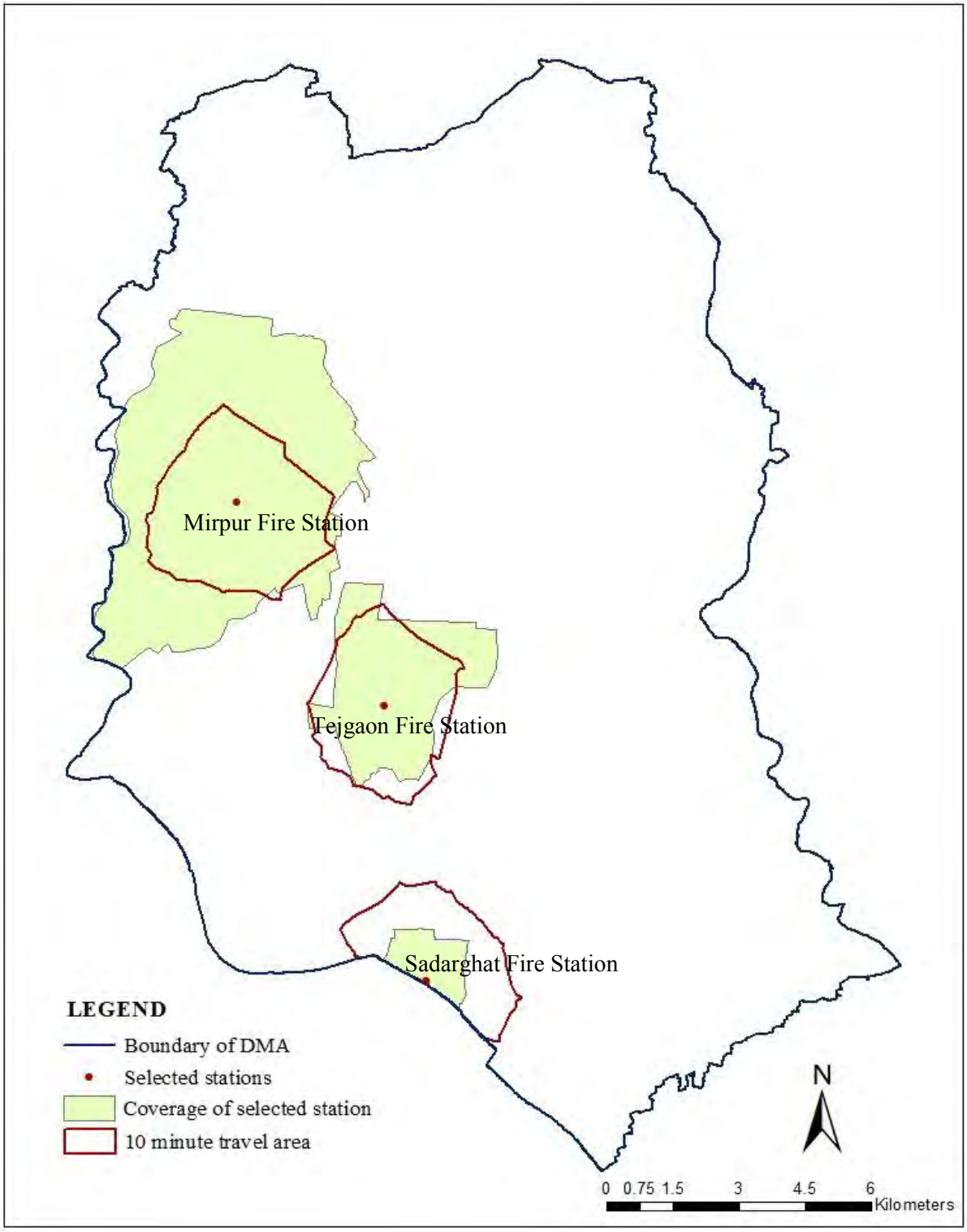
Source: Created based on information collected from Sadarghat fire station, Tejgaon fire station, Mirpur fire station

As stated earlier (section 7.2.1), according to the Environmental Building Guidelines for Hyderabad Metropolitan Development Authority, there should be at least one fire station or a sub-fire station for a population of 2,00,000 people. With respect to this standard, the size of served population (2,19,133) by Sadarghat Fire Station is good enough, because the coverage area of this station is lower. On the other hand, the serving population (17,13,523) of Mirpur Fire Station is about 8.5 times larger than the standard size of served population. And for Tejgaon Fire Station, serving population size (4,61,801) is about 2 times larger than the standard size of served population.

7.3.2 Standard Service Area

In the earlier section (section 7.2.2), standard service area has been identified for 12 fire stations of DMA using the Network Analyst tool. In that process, 4 minutes, 8 minutes and 10 minutes travel area have been determined. The coverage area of selected stations have been evaluated with the maximum standard service area. The 10 minutes travel area of three fire stations have been overlapped with their designated coverage area in the Map 7.4.

From the Map 7.4, it is seen that, the 10 minutes travel area of Sadarghat Fire Station exceed the designated coverage area of that station. But in case of Sadarghet Fire Station, the fire-fighting vehicles do not get easy access to the building due to narrow roads. For Tejgaon Fire Station, the designated coverage area of the station is almost same as its 10 minutes travel area. On the other hand, for Mirpur Fire Station the designated coverage area exceeds the 10 minutes travel area of that station. As there is no more station to the north of the Mirpur Fire Station, except Kurmitola Fire Station who serves basically the cantonment area, the designated coverage area of this station is higher than any others. But, the designated coverage area cannot always be traveled within 10 minutes by the fire vehicles.



Map 7.4: Map of coverage area of selected fire stations with 10 minutes travel area

7.3.3 Capacity of manpower:

In every selected fire stations, except officials, there are five type of staffs which include:

f. Leader
g. Driver
h. Fireman/Firefighter
i. Cook
j. Cleaner

Except the cook and cleaner, all persons are trainned as firefighter. In the following table, detail manpower capacity of three fire stations have been revealed:

Table 7.6: Number of manpower in selected fire Stations

Name of fire station	Officials	Leader	Driver	Fire-staff	Cook & Cleaner	Total
Sadarghat Fire Station[a]	2	3	5	15	3	28
Tejgaon Fire Station [b]	2	3	5	19	3	32
Mirpur Fire Station[c]	2	3	5	22	3	35

Source: a. Sadarghat Fire Station, b. Tejgaon Fire Station, c. Mirpur Fire Station; 2014

Total number of fire fighters of Sadarghat Fire Station, Tejgaon Fire Station and Mirpur Fire Station is respectively 25, 29 and 32. These stations are supposed to serve a population of about two lac, four lac and seventeen lac respectively (Table 7.5). So, with the different size of served population the number of fire-fighters does not vary notably.

As mentioned in section 7.2.3, according to the recommendation of NFPA and ICMA, an ideal service ratio of population per one on-duty fire fighter is 2,000. In practical scenario of three selected stations, this ratio is approximately 12,170 for Sadarghat Fire Station, 23,000 for Tejgaon Fire Station and 77,840 for Mirpur Fire Station. Thus, for all selected fire stations this ratio is larger than the standard ratio.

According to BFSCD rules, the associate number of fire-fighters is irrespective of serving area or population size. In every A class fire station, there should have 32 fire-fighter as a whole. But, in practical scenarion, this number of working staff in the station is lower than the writen document. Specially, in Sadarghat Fire Station staff number is very low and sometimes the firefighters do not get the prescribed 24 hour leave after 48 hour duty time.

7.3.3.1 Volunteer service

As mentioned earlier (section 7.2.3.1), after the completion of the project of CDMP, in Dhaka city there are 18,000 volunteer attached to differeent fire stations of the city. In the three selected stations there are also some volunteers as follows:

Table 7.7: Number of volunteer attached to three selected stations

Name of the Station	**Number of volunteer**
Sadarghat Fire Station[a]	1000
Tejgaon Fire Station[b]	1450
Mirpur Fire Station[c]	2605

Source: a. Sadarghat Fire Station, b. Tejgaon Fire Station, c. Mirpur Fire Station; 2014

Here, it is seen that, with the increase of coverage area or size of serving population of the stations the number of volunteer of the respective stations increases. These volunteers are enlisted in the record book of respective fire stations and also at the head office with their contact details. In times of emergency, sometimes they response spontaneously or else they are communicated by the fire officials if required.

7.3.4 Capacity of Fire-fighting vehicles

All the fire fighting vehicles are distributed to the specific fire staions from the head office according to the requirement. There is designated numbers of vehicles for every stations of BFSCD (table 7.4). But the numbers are altered according to the requirement. All of the selected stations are „A" type station. But the number of vehicles of these stations differ from each other, which is evident in the following part.

7.3.4.1 Sadarghat Fire Station:

Kotwali *Thana* is served by Sadarghat Fire Station. List of fire-fighting vehicles of this station is given in Table 7.8:

Table 7.8: List of existing fire-fighting vehicles of Sadarghat Fire Station

Name of fire fighting vehicle	Number	Capacity
Water Tender	1	4500 liter
Toeing Vehicle	1	-
Pump	3	500 Hz
Hose pipe	22	Dia: 2.5
		Length: 50-100 ft
Foam can	5	25liter
Water Mist	4	40 liter
Ambulance	1	

Source: Sadarghat Fire Station, 2014

Requirement of fire-fighting vehicles in relation to landuse characteristics:

As discussed in section 6.2.1 of the report, in Kotwali *Thana* major land use is commercial use and mixed use (Table 6.1). In this type of uses, probability of losses is higher than residential use in case of fire incidents. But there is only one Water Tender in this station. Maximum structures of this *thana* are *pucca* and within four storied (Table 6.2). But, the maximum storied of buildings is 14. So, fire vehicles should be ready to fight against fire up to 14 storied building. But, in Sadarghat Fire Station, there is no Turn-table Ladder. According to Mohammad Belal Ahmed, Station officer of Sadarghat Fire Station, for large scale fire having the fire origin of oil or chemical reaction in the mixed use buildings, the station have to depend on the vehicles stored at head office. At the same time, in times of fire incidents at more than fourth level of the buildings the head office give them support with Turn-table Ladder. In this area, most challenging issue is narrow roads. According to the fire officials, for the Water Tender more than 10ft width of the road is required to get access. But, in this *thana*, around 65% roads are within 10 ft width (Figure 6.2). There are four Water Mists in this station to give access to the narrow roads. But the number and capacity of Water Mist is too low to cover a serious incident. There is no water hydrant and no fixed source of water. In case of emergency the fighter has to join the hose pipes from the distant water source and carry it to the spot. But, this process is time consuming which results in greater loss.

Key problems of Sadarghat Fire Station:

Sadarghat Fire Station is situated in the older part of Dhaka, where the road layout is very complicated compared with other part of the city. According to Mohammad Belal

Ahmed, Station officer of Sadarghat Fire Station, the basic problem of fire-fighting in its coverage area is narrow access to many incident spots. Maximum roads are not that much wide so that the water tender can enter into the spot. Besides, absence of designated source of water is one of the main obstacles to efficient fire extinguishing activity. Generally, the fireman has to add the hose pipes from the water source to incident spot to get water which is time consuming. Moreover, the number of fireman is so insufficient in this station that, sometimes the fire staffs do not get the prescribed gap in between their working hour.

7.3.3.2 Tejgaon Fire Station:

Tejgaon Industrial Area *Thana* is served by Tejgaon Fire Station. List of fire-fighting vehicles of this station is given below:

Table 7.9: List of existing fire-fighting vehicles Tejgaon Fire Station

Name	Number	Capacity
Water Tender	3	4300 liter
		4300 liter
		1800 liter
Toeing Vehicle	1	-
Pump	3	500 Hz
Hose pipe	45	Dia: 2.5
		Length: 50-100 ft
Foam Trolly	1	400 liter
Cold-cut	1	-
Water Mist	4	30 liter (2)
		40 liter (2)
Ambulance	1	

Source: Tejgaon Fire Station, 2014

<u>Requirement of fire-fighting vehicles in relation to landuse characteristics:</u>

As discussed earlier, in section 6.2.2, Tejgaon Industrial Area *Thana* is mainly an industrial area (Table 6.3). For industrial area Foam Tender, Foam Caman and Chemical Tender are special fire fighting vehicle, as in such type of areas probability of being the fire sources of oil or chemical reaction is high. So, it is important to have these vehicles in this station. But, as mentioned in Table 7.9, there is a Foam Trolly, which supplies foam, whose capacity is not so high to act with big fire incidents. Besides, in Water Tender,

Water Mist and Cold-cut, there is provision of foam. According to, Md. Nuruzzaman, Station officer of Tejgaon Fire Station, maximum fire incidents can be controlled using the vehicles and instruments stored in the station as the incidents are not always severe. But, in case of severe fire incidents having the fire source as oil or chemical reaction, the station has to depend on Head quarter. In this *thana*, though 92.27% buildings are within four storied the maximum storied of buildings is 23. But, in Tejgaon Fire Station, there is no Turn-table Ladder to fight against the fire as upper level of the buildings. Though maximum roads (76.35%) of this area are more than 10ft wide, there are some roads of less than 7ft width (Figure 6.4). To get access to narrow roads there are four Water Mists to handle small size fire as their capacity is low.

Key problems of Tejgaon Fire Station:

Tejgaon Fire Station is situated in an industrial area, where the property loss due to fire incidents is very high. According to, Md. Nuruzzaman, Station officer of Tejgaon Fire Station, the basic problem of fire-fighting is traffic congestion and narrow access to many incident spots. Besides, absence of designated source of water is one of the main obstacles to efficient fire extinguishing activity. Generally, the fireman use the water from Water tender, filled from the water pump of WASA which is not available at all places. Besides, the number of fireman is insufficient covering a large area and population.

7.3.3.3 Mirpur Fire Station:

Pallabi *Thana* is served by Mirpur Fire Station. List of fire-fighting vehicles of this station is given below:

Table 7.10: List of existing fire-fighting vehicles of Mirpur Fire Station

Name	**Number**	**Capacity**
Water Tender	1	6,500 liter
Special Water Tender	1	11,000 liter
Toeing Vehicle	2	-
Pump	6	500 Hz
Hose pipe	60	Dia: 2.5; Length: 50-100 ft
Foam Trolly	1	300 liter
Snorkel	1	7-8 story
Water Mist	2	40 liter (2)
Ambulance	1	

Source: Mirpur Fire Station, 2014

Requirement of fire-fighting vehicles in relation to landuse characteristics:

As mentioned earlier, in section 6.2.3, in Pallabi *Thana* major land use is residential use (Table 6.5) and most of the structures are semi-*pucca* (Figure 6.5). In residential areas though average loss for fire is lower, number of fire incidents is highest. And the coverage area of this station is higher than the others (Table 7.5). So, there is one Water Tender and one Special Water Tender in this station to put off fire. There is also a Foam Trolly to extinguish the fire created from oil. In this *thana*, 92.69 % building are within four storied. In this station, though there is no vehicle to reach to 14 storied building, but there is a Snorkel to reach up to 8 storied building. Though, the width of the roads mostly (54.2%) range from 10ft to 30ft, there is 33.48% road of less than 10ft width (Figure 6.6). To get access to narrow roads there are two Water Mists whose capacity is very low.

Key problems of Mirpur Fire Station:

Mirpur Fire Station is little bit well equipped than the other two selected stations. According to Md. Abdulllah-Al-Arafin, Senior Station officer of Mirpur Fire Station, the basic problem of fire-fighting is absence of fixed source of water. Maximum time the fireman use the water of water reservoir of adjacent high rise building of the fire spot to extinguish fire. Besides, sometimes to reach to the incident spot they have to face traffic congestion. And in case of incidents in a building of having narrow access, it becomes difficult to extinguish fire.

7.4 SUMMARY FINDINGS

The capacity of 12 fire stations of DMA and three selected stations have been reviewed with respect to different standard. Station specific detail information has been collected only for three selected stations for detail analysis. So, for assessing the capacity of 12 fire stations the average value has been considered. At a glance, the capacity can be stated in Table 7.10.

From Table 7.10, among the three selected fire stations, the coverage area, size of serving population of Sadarghat Fire Station is near to the standard of that parameter. On the other hand, for Mirpur Fire Station, the coverage area is very high than the others. And the size of serving population of Mirpur Fire Station is about 8.5 times larger than the standard. The ratio of population per on-duty fire-fighter in all of the selected fire stations is larger than the standard.

Table 7.11: A comparative scenario of capacity of fire stations for different parameters

Parameters	**Standard**	**12 Fire stations of DMA****	**Sadarghat Fire Station**	**Tejgaon Fire Station**	**Mirpur Fire Station**
Coverage area	Maximum 3km buffer distance (28.26 km^2)*	25.17 sq.km.	2.14 sq.km.	11.12 sq.km.	35.15 sq.km.
Serving population/station	200,000	7,42,170	2,19,133	4,61,801	17,13,523
Population/On-duty fireman ratio	2,000	34,250	12,170	23,000	77,840

*calculated from the area of a circle having 3km diameter
**average value of 12 stations has been considered

From the detail analysis of manpower and vehicle capacity of three stations, it has been revealed that, there is shortage of manpower in every fire station compared with the serving population size. And for some specific type of fire incidents like, severe fire incidents of having its origin in oil or chemical reaction, incidents at more than fourth level of the building, the stations have to depend on the vehicle coming from head office which may be at a distant place from the incident spot. And the most remarkable problems, associated with fire-fighting activity, identified by the fire officials of every selected fire stations, are absence of designated source of water and narrow access road of a large number of buildings.

CHAPTER 08

MAJOR FINDINGS AND RECOMMENDATION

INTRODUCTION

In this part of the report important findings of the research has been highlighted. And, on the basis of the major findings some recommendations have been given to ensure better fire safety.

MAJOR FINDINGS

The major findings of the research have been briefly discussed in the following part.

Fire Incidents of DMA

Distribution pattern of fire incidents in DMA has been assessed using the data of fire incidents for the year of 2011, 2012 and 2013. Within this period, observed pattern of fire incidents is as follows:

- Frequency of fire incidents is highest in residential land use category (36%).
- About 60% of the observed incidents took place in *pucca* structures.
- The observed economic loss due to fire incidents is higher in slum areas (average loss is BDT 12.79 lac) and in industrial land use category (average loss is BDT 7.60 lac).
- Areas of having the highest density value of fire incidents (ranges from 83 to 104 incidents per 0.01 sq.km.) are mostly occupied with commercial use (38.46%) and mixed use (25.68%).

Fire Stations of DMA

At present, in Dhaka Metropolitan Area (DMA), Bangladesh Fire Service and Civil Defence (BFSCD) has 12 fire stations to serve around 8.9 million people living within the area covering approximately 342 sq. km. The capacity of these stations has been compared with some international standard.

- According to the Environmental Building Guidelines for Hyderabad Metropolitan Development Authority, there should be at least one fire station or a sub-fire station for a population of 2,00,000 people, within 1 to 3 kilometer. So, the maximum coverage area can be considered as 28.26 sq.km. (calculating area of circle having 3km diameter). The average coverage area of 12 fire stations of DMA is 25.17 sq.km. and average size of serving population per station is 7,42,170.

- 10 minutes service areas of 12 fire stations do not cover approximately two third area of DMA (about 242 sq.km.) with around half of DMA population (41,35,257) living within the area.
- According to the recommendation of NFPA and ICMA, an ideal service ratio of population per one on-duty fire fighter is 2,000. In DMA, this population per one on-duty fire-fighter ratio is about 34,250.

Land use Characteristics of Selected Thanas

Three *thana* has been selected from three different broad land use categories like Kotwali *Thana* from mixed use and commercial use, Tejgaon Industrial Area *Thana* from industrial use and Pallabi *Thana* from residential use. Basic land use characteristics of these *thana*s revealed from the research are given below:

- In Kotwali *Thana*, only 34% roads are more than 10ft width. So, in case of about 66% roads the water tender does not get access. In this *thana* 79.52% of the structures are *pucca* and 80.58% buildings are within 4 storey whereas maximum storey of the building is 14.
- In Tejgaon Industrial Area *Thana*, width of 76.31% road is more than 10ft. 41.78% structures are *pucca* and 40.44% structures are semi-*pucca*. 92.27% buildings are within 4 storey whereas maximum storey of the building is 23.
- In Pallabi *Thana*, the road width of around 66.2% road is more than 10ft. 48% structures are semi-*pucca* and 23% structures are *pucca*. 92.69% buildings are within 4 storey. Maximum storey of the building is 21.

Capacity of Three Selected Fire Stations

Three fire stations serve the above three *thana*s like of Sadarghat Fire Station serves Kotwali *Thana*, Tejgaon Fire Station serves Tejgaon Industrial Area *Thana* and Mirpur Fire Station serves Pallabi *Thana*. The capacity of these stations differs from each other.

- The coverage area of Sadarghat Fire Station is 2.14 sq. km; of Tejgaon Fire Station is 11.12 sq.km. and of Mirpur Fire Station is 35.15 sq. km.
- Size of serving population of Sadarghat Fire Station is 2,19,133; of Tejgaon Fire Station is 4,61,801 and of Mirpur Fire Station is 17,13,523.
- The ratio of population per on-duty fire fighter is approximately 12,170 for Sadarghat Fire Station, 23,000 for Tejgaon Fire Station and 77,840 for Mirpur Fire Station.

Major Problems Associated with Fire Fighting in Three Thanas

- In Kotwali *Thana*, the most challenging issue of fire-fighting activity is narrow access to a large number of buildings. In case of about 66% road the Water Tender does not get access to the roads. To extinguish the fire having narrow access roads, Two Wheeler Water Mist is used whose capacity is only 40 liter. Moreover, there is two Water Mists in Sadarghat Fire Station. So, the number and capacity of Water Mist is low to fight against large fire. Moreover, there is no turn table ladder to fight against fire at more than fourth level of the building.
- In Tejgaon Industrial Area *Thana*, most of the land is occupied by industrial uses. But, in case of severe fire incidents having the fire source as oil or chemical reaction, the station have to depend on the vehicles coming from Head quarter. There is no Turn-table Ladder to fight against fire at more than fourth level of the building.
- In Mirpur Fire Station, there is no Turn-table Ladder to fight against fire at more than seventh level of the building.
- And the most remarkable problems associated with fire-fighting activity, identified by the fire officials of every selected fire stations, are absence of designated source of water and narrow access to a large number of buildings.

RECOMMENDATION

Based upon the findings of the research, some recommendations have been given to facilitate the fire-fighting system to ensure better safety.

Proper land use zonning:

- For fire prevention, land use zonning is very much important. Occupancy class of any building in a particular zone should always be maiatained. According to Bangladesh National Buildig Code, 2014, without prior permission from the authorities having jurisdiction no change shall be made in the type of occupancy or use of any building that would place it in a different occupancy group or in a different subdivision of the same occupancy group. From the research, it is found that, the areas of having the highest density value of fire incidents is mostly occupied by commercial use and mixed use. In this context, in case of giving permission for mixed occupancy hazard proneneess of fire incidents should be considered. Hazardous occupancy (J) shall not be allowed as mixed or separated occupancy with any other occupancy classification as per provisions of the code.

Ensuring water source

- In most of the cases water is the vital element to extinguish fire. But, according to fire fighting officials in times of most of the incidents, scarcity of water is the main problem to extinguish fire in time. Firstly, they use the reserved water of water tender and search for anothet source. In most cases, they use water from water reservior of the adjacent building or nearby water pump of WASA. If sufficient water flow can be ensured from the construction of a building, this task become easier. According to Bangladesh National Buildig Code, 2014 (section 4.2), roof gravity tank or storage tank have to be constructed with required specification according to code for different occupancy classes and fire-fighting system should be directly connected to tank to ensure required water flow rate. So, proper implementation of the code must be ensured by the respective authority to provide required water tank at every building. It will also be very effective to extinguish fire in the buildings whose access is narrow for the traditional fire fighting vehicle.

Provision of Required Fire Fighting Vehicle

- From the research, it has been found that, in every *thana*, there are a good number of buildings whose access are narrow. Specially in Kotwali *Thana*, only 34% roads are more than 10ft width through which the general Water Tender can get access. In the existing scenario, to get access to these narrow roads, there are Two Wheeler Water Mist (has been described at section 7.2.4) at every fire station. But their capacity is low. So, the vehicle with higher capacity can be imported. Besides, the provided number of the vehicle should conform to the requirement. For example, in Kotwali *Thana,* about 66% roads are within 10ft width. On the other hand, in Tejgaon Industrial Area *Thana* around 23% roads are within 10ft. So, in Sadarghat Fire Station more Two Wheeler Water Mist should be provided than Tejgaon Fire Station.
- In recent years, a good number of fire-fighting vehicles have been imported. But, to face some specific type of incidents like, severe fire incidents of having its origin in oil or chemical reaction, incidents at more than seventh level of the building, the stations have to depend on the vehicle coming from head quarter which may be at a distant place from the incident spot. So, the stationes are needed to be more well equipped independently considering the specific land use features.

Ensuring sufficient manpower

- In DMA, the population per one on-duty fire-fighter ratio is about 34,250 whereas the ideal service ratio of population per one on-duty fire fighter should be 2,000. So, for covering the large population of DMA more manpower should be recruited according to the requirement and the recruitment process should be more efficient. In this context, volunteer trainning should be arranged to reduce the pressure of regular fire-fighters.

Setting up of new fire station

- It is seen from the reaserch that the stations are more concentrated in the southern part of the city not covering some part of northern and eastern side. Besides, the 10 minutes service areas of 12 fire stations does not cover approximately two third area of DMA (about 242 sq.km.) serving approximately half of DMA population. According to standard, there should be at least one fire station or a sub-fire station for a population of 2,00,000 people whereas the average size of serving population per station of DMA is 7,42,170. So, more carefull planning is needed for setting up new fire stations at appropriate location.

Public awareness generation:

- Community is the first sufferer in any type of incidents and they can be the first respondent if proper initiatives are taken. From the research, it is found that, in 40% cases of observed fire incidents the community people was able to put off the fire before the arrival of fire-fighters. If the community become more alert about the sources of fire, handling of hazardous or explosive material and the uses of electrical appliances, probability of fire occurance will reduce automatically. According to Major AKM Shakil Newaz, Director (Operation and Maintenance), Fire Service and Civil Defence, with the improvement of the capacity of fire stations, the community have to be made well accountant about this disaster and be prepared to face the incident efficiently. People should be taught about the fire disaster at every level of eduction, starting from the school to gratuation.
- According to the Bangladesh National Buildig Code, 2014, fire drill system should be provided by the authority in a recommended intervel according to the type of occupancy. For example, for residential group fire drill should be done yearly, whereas for healthcare facilities, educational facilities it should be done quarterly and monthly respectively. At the same time, for industrial building and hazardous building

fire drill should be done as per laws of the land. At present, this type of fire drill is done by Bangladesh Fire Service and Civil Defence authority at some Key Point Installation (KPI) of the city.

CHAPTER 09
CONCLUSION

As fire is the most devastating urban disaster may causing huge loss of life and property in a very short time, proper attention should be given to all possible section of development to facilitate the service. In recent years, awareness about the sources and loss of fire incidents among the community people is increasing. But, more initiatives should be taken to make people more aware about the use of electronic appliances, handling of hazardous or explosive materials, operating machineries properly and so on. Moreover, they have to be trained with the basic fire-fighting activity so that they can take instant initiatives in time of incidents. Beside, fire zoning, road layout design and building construction must be done according to standard to facilitate fire-fighting activities. Regular maintenance and inspection of these facilities have to be ensured by the respective authority.

In the existing scenario, absence of fixed source of water and narrow access to a large number of buildings are most challenging issues for fire-fighting. So, the building should be constructed maintaining the standard so that required water flow is ensured from the building of fire incident. Further researches can be carried out on the process of ensuring natural water source in the locality. Moreover, along with ensuring sufficient manpower and vehicles in the existing stations proper planning also has to be done to locate new fire station considering the demand of population and level of fire hazard.

1. Haque Q. M. F., *Fire hazard modeling in Dhaka city using GIS*, MURP thesis, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology, 2001.
2. Wang J. H., Sun J. H., Lo S. M., Gao L.J. and Yuen R.K.K., "Statistical Analysis on the Temporal-spatial Characteristics of Urban Fires under Typical Urbanization Features," Procedia Engineering, vol. 11, pp. 437- 444, December 2011.
3. FIG, "Rapid Urbanization and Mega Cities: The Need for Spatial Information Management," The International Federation of Surveyors (FIG), Copenhagen, Denmark, January 2010.
4. UNDESA, "World‟s Population Increasingly Urban with More Than Half Living in Urban Areas", United Nations Department of Economic and Social Affairs, New York, 10 July 2014.
5. Wang Z., Zhang X., and Xu B., "Spatio-Temporal Features of China‟s Urban Fires: An Investigation with Reference to Gross Domestic Product and Humidity", Sustainability, vol. 7, pp. 9734-9752, 2015.
6. Tie-Nan G., "Fire Situation and Development of Fire Safety Science and Technology in China", Fire Safety Science–Proceedings of the Eighth International Symposium, pp. 111-124, International Association For Fire Safety Science, 2005.
7. BBS. *Population and Housing Census 2011, Community Report: Dhaka.* Bangladesh Bureau of Statistics, Statistics and Informatics Division. Ministry of Planning, Government of Bangladesh, Dhaka, 2011.
8. FSCD Directorate, "Stakeholder‟s workshop on finalizing strategic management plan," Fire Service and Civil Defense Directorate, Ministry of home affairs, Bangladesh, 2013.
9. Zaman A.K.M.H.U., Khan M.T.A., & Islam M.J., "Urbanization in Bangladesh: Present Status and Policy Implications", *ASA University Review*, Vol. 4 No. 2, 2010.
10. Roy, D., Islam, M. S., & Islam M. S., *Analyzing vulnerability of a community of fire hazard:A case study of ward 72*, BURP thesis, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology, 2008.
11. Kent Washington City Center, "Urban Fire", 220 Fourth Avenue South, Kent Washington. Retrieved from kentwa.gov/WorkArea/DownloadAsset.aspx?id=8074 on November, 2015.

12. S. Mollah and T. Khan, "Nimtoli Fire Tragedy- No lessons learned", The Daily Star, 64-65, Kazi Nazrul Islam Avenue, Dhaka, June, 2013. Retrieved from http://archive.the dailystar.net/beta2/news/no-lessons-learned/ on December 2015.
13. Hacıoğlu Ç., *Spatial requirements of fire stations in urban areas: a case study of Ankara*, M.Sc. thesis in Urban Design, Department of City and Regional Planning, Middle East Technical University, Turkey, 2010.
14. *Mornington peninsula fire protection policy, 2014*. Retrieved from http://planning schemes.dpcd.vic.gov.au/schemes/morningtonpeninsula/ordinance/22_lpp11_morn.pd f on September 04, 2014.
15. Monday C. C., "Optimal staffing levels for firefighter effectiveness and mitigation of firefighter injuries," An applied research project submitted to the National Fire Academy, Martinsville Fire Department, Martinsville, Virginia, 2000.
16. Alam, M.J.B., and Baroi, G.N., "Fire hazard categorization and risk assessment for Dhaka city in GIS framework", *Journal of civil engineering (IEB),* vol. 32 (1), pp. 35-45, 2004.
17. Jahan, N., Islam, S., & Hossain md. I., *Developing fire risk index for chemical warehouse of old Dhaka*, BURP thesis, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology, 2012.
18. Moniruzzaman K.M., and Haque Q.M.F., "Fire Hazard in Dhaka City : A Case Study of the Service Area of Mohammadpur Fire Station", 2013. Retrived from www.bip.org.bd/SharingFiles/journal_book/20130718121437.pdf on March, 2014.
19. ESRI, "GIS for Fire Station Locations and Response Protocol", ESRI, 380, New York St., Redlands, USA, January 2007.
20. Mahmud A. R., and Indriasarin V., "Facility Location Models Development To Maximize Total Service Area", *Theoretical and Empirical Researches in Urban Management*, *Special Number 1S*, April, 2009.
21. Landré M., "GIS in Response Time Analysis" *GIM International, Volume 22, Issue 2*, February 2008. Retrived from www.routeware.dk/download/gim-international-routefinder.pdf on February 2013.
22. TriData, "Oklahoma City Fire Department Fire Station Location Study", TriData, A Division of System Planning Corporation, Arlington, 2006. Retrieved from http://www.okc.gov/fire/fire_report.pdf on April 23, 2014.
23. NFPA, *Fire Protection Handbook* (20th edition). Quincy, Massachusetts USA: NFPA, 2008. Retrieved from https://www.inkling.com/read/fire-protection-

handbook-2008-edition-volume-ii/chapter-13/responsetravel-time-standards on May 12, 2014.

24. Mahmud A. H., "Revised National Building Code to be Converted into Law", Dhaka tribune, Dhaka, 2014. Retrieved from http://www.dhakatribune.com/bangladesh/2014/aug/29/revised-national-building-code-be-converted-law on November 17, 2015.
25. NFPA, "About NFPA", Quincy, Massachusetts, USA, Retrived from http://www.nfpa. org/about-nfpa on June 20, 2014.
26. NFPA, "NFPA Overview", Quincy, Massachusetts, USA, Retrived from http://www.nfpa.org/about-nfpa/nfpa-overview on June 20, 2014.
27. NFPA, "Document information pages (list of NFPA codes & standards)", Quincy, Massachusetts, USA, Retrived from http://www.nfpa.org/codes-and-standards/document-information-pages on June 20, 2014.
28. HMDA, "An abridged manual on environmental building guidelines for Hyderabad Metropolitan Development Authority", New Delhi, India: TERI Press, 2009. Retrieved from http://www.hmda.gov.in/ebgh/the%20guidelines/calculators/HMDA-Abridged%20 Building%20Guidelines-english.pdf on April 22, 2014.
29. NDMA, "*National Disaster Management Guidelines—Scaling, Type of Equipment and Training of Fire Services*", National Disaster Management Authority, Government of India, New Delhi, April 2012.
30. Wing M. G. and Long J., "A 25-Year History of Spatial and Temporal Trends in Wildfire Activity in Oregon and Washington, U.S.A.", *Modern Applied Science*; 9(3), January, 2015. Retrieved from http://ccsenet.org/journal/index.php/mas/article/viewFile/44150/ 24047 on November, 2015.
31. Parajuli A., Chand D. B., Rayamajhi B., Khanal R., Baral S., Malla Y. and Poudel S., "Spatial And Temporal Distribution of Forest Fires in Nepal", XIV World Forestry Congress, Durban, South Africa, September 2015. Retrieved from www.forestrynepal.org/images/publications/wfc2015_forestfirenepal.pdf on November, 2015.
32. Liu N., Huang B., and Chandramouli M., "Optimal Siting of Fire Stations Using GIS and ANT Algorithm", *Journal of Computing in Civil Engineering*, *ASCE*, Vol. 20, No. 5, pp. 361-369, 2006.

33. Islam Md. M. and Adri N., "Fire Hazard Management of Dhaka City: Addressing Issues Relating to Institutional Capacity and Public Perception", *Jahangirnagar Planning Review*, Vol. 6, pp. 57-67, June 2008.
34. Anderson T., "Kernel density estimation and K-means clustering to profile road accident hotspots", *Accident; Analysis And Prevention*, vol. 41(3), pp. 359-64, June 2009.
35. Wing M. G. and Tynon J., "Crime Mapping and Spatial Analysis in National Forests", *Journal of Forestry*, vol. 104 (6), pp. 293-298, September 2006.
36. Lin Y. P., Chu H. J., Wu C. F., Chang T. K., and Chen C. Y., "Hotspot Analysis of Spatial Environmental Pollutants Using Kernel Density Estimation and Geostatistical Techniques", *Int J Environ Res Public Health,* 8(1), 75–88, January 2011. Retrived from http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3037061/ on June, 2015.
37. DTCB, "Preparatory Survey Report On Dhaka Urban Transport Network Development Study (DHUTS) in Bangladesh", Dhaka Transport Coordination Board, Ministry of Communications, Government of The People‟s Republic of Bangladesh, March, 2010.
38. Wikipedia, "Dhaka". Retrived from http://en.wikipedia.org/wiki/Dhaka#Geography_and_climate on 14 September, 2015
39. Delhi Citizen Handbook, Centre for Civil Society, New Delhi, 2006, Retrieved from ccs.in/sites/all/books/com_books/book_dch_2006.pdf on April 23, 2014.
40. Sripramai K., Oikawa Y., Kanai M., and Katada T. "The Relationship between Local Government and Residents in Disaster Prevention Activity", (n.d.), Retrieved from dsel.ce.gunma-u.ac.jp/doc/n200.pdf on 13 March, 2014.
41. Orcutt Community Plan EIR, Long Range Planning Division, Country of Santa Barbara, (n.d.). Retrieved from http://longrange.sbcountyplanning.org/planareas/orcutt/documents/OCP%20EIR/OCP%20EIR%20Volume%201/5.14%20Public%20Services.pdf on 17 May, 2014.
42. Wilson K. W., "Fire Department Staffing: A Need, Not a Want", Fire Engineering Magazine Editorial, PennWell Corporation, South Fair Lawn, USA, 2009. Retrieved from http://www.fireengineering.com/articles/print/volume-162/issue-8/features/fire-department-staffing-a-need-not-a-want.html on 17 May, 2014.
43. Haynes H. J. G. and Stein G. P., "US Fire Department Profile 2013", National Fire Protection Association, Fire Analysis and Research Division, Quincy, MA, November

2014. Retrieved from http://www.nfpa.org/~/media/files/research/nfpa%20reports/fire%20service%20statistics/osfdprofile.pdf on November, 2015.

44. Patton B., "Volunteer Vision: Obstacles in Maintaining a Volunteer Department", June 06, 2008. Retrieved from http://www.firefightingincanada.com/volunteers/volunteer-vision-obstacles-in-maintaining-a-volunteer-department-2136 on August, 2015.
45. DFES, "Volunteer Fire Services", Department of Fire and Emergency Services, Government of Western Australia, 2015. Retrieved from http://www.dfes.wa.gov.au /aboutus/operationalinformation/Pages/volunteerfireservice.aspx on November, 2015.
46. New Zealand Fire Service, "An Introduction to Volunteering", New Zealand Fire Service, New Zealand, 2015. Retrieved from http://www.fire.org.nz/Jobs/Volunteer-Firefighters/Pages/AnIntroductiontoVolunteering.html on October, 2015.
47. Wikipedia, "Volunteer Fire Department", Retrieved from https://en.wikipedia.org/wiki/Volunteer_fire_department on October, 2015.

APPENDIX - A

List of Fire Incidents - Dhaka Metropolitan Area (2011-2013)

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
1-Jan-11	15	eastern mollica, elephant road	electric line	pucca	commercial	Palashi	before	1	-
1-Jan-11	15	98, south bisil, road-4, mirpur-1	electric line	pucca	residential	Mirpur	before	0.05	0.15
1-Jan-11	10	mohammadi housing ltd.	electric line	pucca	mixed	Mohammadp	after	2	5
1-Jan-11	15	h-150, r-2, mohammadia housing	electric line	pucca	residential	Mohammadp	before	0.05	0.1
2-Jan-11	16	1894, rupnagar, moddho badda	electric line	semi-pucca	commercial	Baridhara	before	2	3
2-Jan-11	6	166 no. new palton, azimpur	electric line	pucca	industrial	Palashi	before	2	5
2-Jan-11	2	1984, rasul bag, zia saroni road, kadam toli	electric line	semi-pucca	commercial	Postogola	before	2	3
2-Jan-11	11	61/a, basabo, kadamtola	electric line	pucca	residential	Khilgaon	after	7	1
3-Jan-11	8	kha, 189/3, jomoj road, jowar sahara, badda	stove	pucca	commercial	Baridhara	before	0.15	-
3-Jan-11	8	kha, 66/5, kuril manob bondhon road	stove	semi-pucca	residential	Baridhara	before	0.01	-
3-Jan-11	2	56/2/1, purbo islam bag, cakbazar	cigarette	semi-pucca	residential	Lalbag	after	0.5	5
3-Jan-11	4	field of karim jute mill, sarulia, demra	cigarette	open space	industrial	Demra	after	0.5	5
3-Jan-11	3	4 no. simson road, sadarghat	electric line	pucca	commercial	Sadarghat	after	1	100
3-Jan-11	13	block-d, r-10, plot-34, banani	gas line	gas installatio	road	Tejgaon	after	0.02	-
4-Jan-11	7	motaleb plaza	cigarette	pucca	commercial	Palashi	before	0	-
4-Jan-11	6	r-21, plot-22, shyampur IA	gas line	pucca	residential	Postogola	after	0	-
4-Jan-11	17	tushar dhara', r-4, sector-3, kadamtoli	machine	semi-pucca	industrial	Postogola	after	1	5
5-Jan-11	15	gha-199/2, facilities tower, badda	electric line	pucca	commercial	Baridhara	before	0.005	-
5-Jan-11	4	173 no, siddiq bazar	electric line	pucca	commercial	Siddiq bazar	before	0.03	0.5
6-Jan-11	5	in front of american embassy, baridhara	cigarette	open space	open space	Baridhara	after	0	-
6-Jan-11	4	in front of american embassy, baridhara	electric line	electric installa	road	Baridhara	after	0.5	1
6-Jan-11	6	plot-6, r-8, block-ba, baridhara	electric line	pucca	commercial	Baridhara	before	1	3
6-Jan-11	6	block-a, section-10, mirpur	coel	pucca	residential	Mirpur	after	0.5	1.5
6-Jan-11	20	325/1, senpara parbota, mirpur	electric line	pucca	industrial	Mirpur	after	2.5	5
6-Jan-11	10	h-83, r-4, moh.pur housing society	stove	pucca	residential	Mohammadp	before	0.03	0.1
7-Jan-11	6	naz plastic, 12/e, islambag, lalbag	electric line	pucca	industrial	Lalbag	after	0.3	5
8-Jan-11	8	block-c, baridhara	electric line	pucca	residential	Baridhara	before	1	1.5
8-Jan-11	16	33/11, k.b sub station, jowar sahara, baridhara	electric line	pucca	public service	Baridhara	before	-	-
8-Jan-11	9	b/59, kamal ataturk avenue	electric line	pucca	residential	Baridhara	after	0.05	0.1
8-Jan-11	15	20/6, basa-bari lane, staff quarter, suiper collony	electric line	pucca	public service	Siddiq bazar	before	-	-
8-Jan-11	5	monwar tower, 7/8, nobabpur road	electric line	pucca	commercial	Sadarghat	after	0.1	30
8-Jan-11	10	217, rajarbag, basabo, in front of kali bari mondir		semi-pucca	industrial	Khilgaon	before	0.05	10
9-Jan-11	15	409, uttor goran, sobuj bag	coel	pucca	residential	Khilgaon	after	0.2	0.1
10-Jan-11	10	koshaibari railgate, sekandor market, dakkhin khan	electric line	pucca	commercial	Tongi	before	-	-
10-Jan-11	7	plot-36/8, ave.-1, block-a,section-10, jut potti, mirpur	cigarette	semi-pucca	commercial	Mirpur	after	1.5	6
10-Jan-11	10	r-4, h-155, mohammadia housing, moh.pur	electric line	pucca	residential	Mohammadp	before	0.5	2
11-Jan-11	10	subastu nojor vally, shahjadpur	electric line	pucca	commercial	Baridhara	after	40	100
11-Jan-11	10	shahid moinul road, 58 no. building, cant.		pucca	residential	Kurmitola	before	0.02	0.1
11-Jan-11	2	180/a, near bitdut office	unknown	pucca	industrial	Postogola	before	0.05	1
11-Jan-11	10	avenue-1, block-b, jut potti, mirpur-11		kutcha	commercial	Mirpur	after	1.5	2.5
12-Jan-11	11	khilkhet, bottola bazar	candle	kutcha	commercial	Kurmitola	before	0.5	1
12-Jan-11	20	512/2, tek para, dobadia, uttor khan	electric line	pucca	industrial	Tongi	after	12	15
13-Jan-11	25	161, khan and ?. Market, nobabpur	electric line	pucca	commercial	Siddiq bazar	after	0.1	5
13-Jan-11	13	r-8, in frontof h-105, mohammodia housing, moh. Pur	electric line	electric installa	road	Mohammadp	before	0.01	-
14-Jan-11	2	dogair, basherpul, demra	gas riser	pucca	mixed	Demra	after	0.2	0.5
14-Jan-11	1	sony pavillion, trade fair field	electric line	semi-pucca	commercial	Siddiq bazar	after	0.025	-
14-Jan-11	5	438/1, senpara porbata	cigarette	pucca	residential	Mirpur	before	0.02	0.3
14-Jan-11	8	1, g, north adabor ring road, shyamoli	electric line	pucca	industrial	Mohammadp	before	2	10
15-Jan-11	25	482, uttor dhonia, jatrabari	cigarette	semi-pucca	industrial	Postogola	before	1	10
16-Jan-11	10	plot-20, r-3	cigarette	semi-pucca	residential	Postogola	before	0.05	2
16-Jan-11	5	159/3, tejga IA	khola bati	pucca	residential	Tejgaon	after	0.35	1
17-Jan-11	21	poribag, dhaka mymensing road	stove	under construc	under construct	Siddiq bazar	before	0.01	0.1
17-Jan-11	3	plot-29, r-1, senpara parbata, mirpur-10	electric line	semi-pucca	commercial	Mirpur	after	0.03	1
18-Jan-11	13	r-7, block-c, boshudhara RA, baridhara	gas line	gas installatio	road	Baridhara	before	0.005	-
18-Jan-11	20	airport	cigarette	open space	public service	Kurmitola	after	0	-
18-Jan-11	7	28/1, gonok tuli lane	cigarette	pucca	mixed	Palashi	before	0.02	0.05
18-Jan-11		40/a, khondoker goli, shiddesshori	stove	pucca	residential	Siddiq bazar	before	0.05	5
18-Jan-11	11	pulpar bot tola bosti, rayer bazar, moh.pur	electric line	kutcha	slum	Mohammadp	after	40	300
19-Jan-11	5	25/26, purbopara, chil barir tek, 9 no ward, batara uni	stove	kutcha	residential	Baridhara	after	5	50
20-Jan-11	6	75, shahid tajuddin soroni, nabisco mor	electric line	electric installa	road	Tejgaon	after	0.01	0.2
20-Jan-11	25	1 no. rayer bazar, moh.pur	gas riser	pucca	residential	Mohammadp	before	0.3	-
21-Jan-11	25	rajar ghat, beri bandh, kamrangir car	cigarette	open space	road	Lalbag	after	0.005	-
21-Jan-11	12	airport, VVIP complex	cigarette	open space	public service	Kurmitola	before	0.005	-
21-Jan-11	15	74, vagolpur bosti, hazaribag	stove	kutcha	residential	Palashi	after	4	2
21-Jan-11	2	16/8 no building, palashi govt, collony	stove	pucca	residential	Palashi	before	0	-
21-Jan-11	10	postogola senanibash	cigarette	open space	open space	Postogola	after	0.1	1
21-Jan-11		546, peara bag, boro mogbazar	gas line	pucca	residential	Tejgaon	before	0.5	-
22-Jan-11	8	matuail, mridha bari	cigarette	semi-pucca	industrial	Demra	after	7	10
22-Jan-11	10	notun rasta, rail crossing, doya gonj	cigarette	kutcha	residential	Postogola	after	0.2	2

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
22-Jan-11	5	dhaka medical college	electric line	pucca	public service	Siddiq bazar	after	-	-
23-Jan-11	4	hazaribag bazar	electric line	semi-pucca	commercial	Palashi	after	0.5	1
23-Jan-11	21	1/h, mirbag, mogbazar	coel	pucca	residential	Tejgaon	before	3	3
23-Jan-11	16	316/ga, purbo goran, FS pakaging, khilgao		kutcha	industrial	Khilgaon	after	55	100
24-Jan-11	12	195,sena kallyan bhabon, motijheel	electric line	pucca	commercial	Siddiq bazar	before	0.02	20
24-Jan-11	12	10 no. backing street, wari	cigarette	pucca	residential	Siddiq bazar	before	0.15	10
24-Jan-11	13	487, noyatola, chairman goli, mogbazar	gas line	gas installatio	road	Tejgaon	after	0.1	-
24-Jan-11	9	plot-1/10, block-k, rupnagar, mirpur	electric line	pucca	industrial	Mirpur	after	2	25
25-Jan-11	6	house no.-39, sector-7,sonarga jonopod road		under construc	under construct	Tongi	before	0.01	-
25-Jan-11	5	98/d, IT road, malibag	electric line	pucca	commercial	Khilgaon	after	0.5	2
25-Jan-11	12	36 aram bag, block-d, section-07, pallabi	electric line	semi-pucca	commercial	Mirpur	after	0.3	2
25-Jan-11	5	359, senpara parbata, mirpur	electric line	pucca	residential	Mirpur	before	0.05	0.5
26-Jan-11	12	khil barir tek, purbo para, baridhara	electric line	kutcha	industrial	Baridhara	after	10	50
26-Jan-11	10	shahjalal airport	cigarette	open space	public service	Kurmitola	before	0.1	-
27-Jan-11	9	biswas builders bhabon, newmarket	candle	under construc	under construct	Palashi	after	0.2	0.2
27-Jan-11	4	80/2, siddiq bazar	electric line	pucca	industrial	Siddiq bazar	after	0.05	1
27-Jan-11	3	rasali bhabon,siddiq bazar, near fire station	electric line	electric installa	road	Siddiq bazar	after	0.03	-
27-Jan-11	9	r-7, h-13 & 15, gulshan-1	cigarette	pucca	residential	Tejgaon	after	0.2	-
28-Jan-11	15	134, purbo rayer bazar, moh.pur	electric line	pucca	mixed	Mohammadp	before	0.2	1.5
29-Jan-11	11	madrasa road, matuail, jatrabari	electric line	semi-pucca	commercial	Postogola	before	0.5	5
29-Jan-11	20	21, abul khayrat road, armanitola	candle	kutcha	residential	Sadarghat	before	0.07	-
29-Jan-11	20	327/2, senpara parbata, mirpur-10	gas line	gas installatio	residential	Mirpur	after	0.01	-
29-Jan-11	6	r-19, block-b, section-10,mirpur	electric line	kutcha	commercial	Mirpur	before	0.04	1.5
30-Jan-11		r-11, progoti soroni, merul badda	electric line	electric installa	road	Baridhara	before	-	-
30-Jan-11	8	50, kazi nazrul islam avenue	gas line	gas installatio	road	Tejgaon	after	0.05	-
30-Jan-11	2	joint of bijoy soroni and love road	electric line	electric installa	road	Tejgaon	after	0.2	1
31-Jan-11	5	somsher tower, ka/72/1-c, moddho badda	cigarette	pucca	commercial	Baridhara	before	0.005	-
31-Jan-11	19	dogaet, notun para, sarulia, demra	gas riser	pucca	residential	Demra	after	0.01	0.5
31-Jan-11	30	700, donia, shorai mosjid road	electric line	semi-pucca	commercial	Postogola	before	0.05	1
31-Jan-11	8	h-18, lane-4, block-a, section-10, mirpur	stove	pucca	road	Mirpur	before	0.01	0.5
1-Feb-11	7	139, link road, moddhobadda	electric line	pucca	residential	Baridhara	before	0.05	0.5
1-Feb-11	6	2 waise ghat, sadarghat	coel	semi-pucca	residential	Sadarghat	after	2	10
1-Feb-11	1	141, purbo tejturi para bazar, tejgao	electric line	pucca	mixed	Tejgaon	after	1.5	3
1-Feb-11	3	plot#14, avenue#1 r#1, mirpur-10	electric line	pucca	residential	Mirpur	before	0.1	2
1-Feb-11	20	h-116, sultan gonj road, rayer bazar	candle	semi-pucca	residential	Mohammadp	before	0.1	0.2
2-Feb-11	10	plot-10, block-d, section-11, pallabi, mirpur	weilding	under construc	under construct	Mirpur	before	0.01	0.05
3-Feb-11	9	plot-16, r-13, shyampur kadamtoli	machine	pucca	industrial	Postogola	after	0.5	200
3-Feb-11	16	jateo crira porishad, paltan	cigarette	open space	public service	Siddiq bazar	before	0	-
3-Feb-11	10	madona tower, 28, mohakhali, CA	electric line	pucca	commercial	Tejgaon	before	0.05	1
3-Feb-11	11	r-4, h-6, gulshan-1	coel	pucca	residential	Tejgaon	before	0.1	0.5
3-Feb-11	16	108/4, purbo basabo	electric line	pucca	residential	Khilgaon	before	2	3
3-Feb-11	5	r#4, b#a, s#11, mirpur	electric line	kutcha	commercial	Mirpur	before	0.5	
4-Feb-11	5	urdu road, lalbag	electric line	electric installa	road	Lalbag	after	0.1	-
4-Feb-11	9	6, siddhesshori, ramna	cigarette	under construc	under construct	Siddiq bazar	before	0.005	0.03
5-Feb-11	6	section mor, hazaribag	cigarette	open space	road	Palashi	after	0	-
5-Feb-11	10	390/e, rampura	electric line	pucca	residential	Khilgaon	after	10	15
5-Feb-11	6	kamlapur railway station	cigarette	pucca	public service	Khilgaon	after	0.5	20
6-Feb-11	9	ka/34/4, dakkhin badda	cigarette	semi-pucca	commercial	Baridhara	after	1	2
6-Feb-11	5	PG hospital	electric line	pucca	public service	Palashi	before	0.2	-
6-Feb-11	11	dhol pur, sayedabad,city corporation mechanical divis	gas line	pucca	commercial	Postogola	after	0.3	100
6-Feb-11	5	49, notun shyam pur, postogola	electric line	pucca	residential	Postogola	before	0.05	2
6-Feb-11	7	3 no. camely bag	cigarette	open space	open space	Siddiq bazar	before	0.001	-
6-Feb-11	20	146, purbo ulon road, rampura	coel	kutcha	commercial	Khilgaon	before	0.2	1
7-Feb-11	15	vasani road, bot tola, r-03, block-a, mirpur-11	electric line	kutcha	commercial	Mirpur	after	0.5	0.05
8-Feb-11	10	shetu bhabon, kalshi, in front of chairman bari	electric line	electric installa	residential	Tejgaon	before	-	-
8-Feb-11	10	319/2, rayer bazar, jafra bad, golaka bag	cigarette	open space	open space	Mohammadp	before	0	-
9-Feb-11	11	r-95, h-3, flat-2/b-2, baridhara	electric line	pucca	residential	Baridhara	after	5	10
9-Feb-11	5	87, west islambag, cakbazar	electric line	pucca	residential	Lalbag	after	3	10
9-Feb-11	5	beside salimullah hall, DU	electric line	electric installa	road	Palashi	after	0.005	2
9-Feb-11	7	13, mohakhali	cigarette	under construc	under construct	Tejgaon	before	0.05	0.5
9-Feb-11	11	somiti bazar, nakhal para, tejgao	electric line	kutcha	industrial	Tejgaon	after	0.2	3
9-Feb-11	2	h-2, r-4, block-1, section-10,mirpur	electric line	pucca	residential	Mirpur	after	1.5	10
9-Feb-11	10	545/a, senpara parbata, mirpur 10	gas line	gas installatio	road	Mirpur	after	-	-
9-Feb-11	5	fakir bari, r-19, block-b, mirpur-10	electric line	electric installa	road	Mirpur	after	0.3	-
10-Feb-11	20	h-48, sector-13, uttara	weilding	under construc	under construct	Kurmitola	before	0.02	1
10-Feb-11	10	150, dakkhin jatrabari	gas line	gas installatio	road	Postogola	after	0.005	10
10-Feb-11	3	h-500, hazi khorshed ali sarkar sorok, jurain	electric line	semi-pucca	residential	Postogola	before	1	10
10-Feb-11	10	15/2, topkhana road, press club	electric line	pucca	commercial	Siddiq bazar	after	3	10
10-Feb-11	5	236/c, 237/a, tejgao IA	cigarette	pucca	industrial	Tejgaon	after	10	90
10-Feb-11	5	dakkhin khan, gowaltek, 8 no. railway bosti, abdullahp	cigarette	kutcha	residential	Tongi	after	0.8	0.2
10-Feb-11	10	267 no. jafra bad, rayer bazar	electric line	pucca	residential	Mohammadp	before	0.15	0.5
11-Feb-11	5	d/18, mohakhali bazar	cigarette	pucca	commercial	Tejgaon	before	0.01	-
11-Feb-11	14	shahjalal airport	cigarette	open space	public service	Tongi	before	0.005	-

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
11-Feb-11	10	h-17, block-c, r-3, rampura	gas line	gas installatio	road	Khilgaon	before	0.05	-
11-Feb-11	6	al helal hospital pvt ltd, senpara parbata,mirpur 10 ,dh	electric line	pucca	public service	Mirpur	before	-	
12-Feb-11	11	r-13, sector-1, h-between 12 & 14, uttara	gas line	gas installatio	road	Tongi	after	0.02	-
12-Feb-11	8	1 no. wazuddin road, shekher tek, moh.pur	electric line	semi-pucca	industrial	Mohammadp	after	1.5	10
12-Feb-11	5	26/1/ka, block-f, juhuri moholla, babor road, moh.pur	electric line	pucca	industrial	Mohammadp	after	4	10
13-Feb-11	5	74, mati? bazar, cant.	electric line	semi-pucca	commercial	Kurmitola	before	0.1	2
13-Feb-11	39	41, shanti nagar, green pitch bhabon	cigarette	under construc	under construct	Siddiq bazar	before	0.02	-
13-Feb-11	11	purbo kuni para, CNG mor, tejgaoIA	electric line	semi-pucca	industrial	Tejgaon	before	0.1	2
13-Feb-11	5	h-8, block-c, r-8, section-10,mirpur	electric line	semi-pucca	commercial	Mirpur	after	0.5	2
14-Feb-11	11	h-49, r-17, nikunja-2, RA	electric line	pucca	residential	Kurmitola	after	0.3	2
14-Feb-11		BDBL bhabon, motijhil	electric line	pucca	commercial	Siddiq bazar	before	-	-
14-Feb-11	6	h-6, r-1, sector-3, uttara	gas line	gas installatio	road	Tongi	after	-	-
14-Feb-11	11	shah poran bosti, block-e, r-33, section-12,mirpur	electric line	kutcha	slum	Mirpur	before	1	2
14-Feb-11	6	plot-7/1, lane-6, block-b, mirpur-10	electric line	semi-pucca	commercial	Mirpur	after	3	5
14-Feb-11	3	mirpur-10, golcokkor police box	cigarette	pucca	residential	Mirpur	after	0.001	-
15-Feb-11	10	r-3, h-1, moddho badda, gudara ghat lakepar	gas riser	kutcha	residential	Baridhara	after	5	10
15-Feb-11	10	purbo rasulpur, 1 no. goli, kamrangir car	gas line	kutcha	residential	Lalbag	after	30	50
15-Feb-11	3	avenue-5, block-a, section-6, mirpur	weilding	pucca	commercial	Mirpur	after	0.5	1.5
15-Feb-11	3	21/22, babor road, block-b, moh.pur	gas riser	pucca	industrial	Mohammadp	after	0.5	10
16-Feb-11	3	100, azimpur	electric line	electric installa	road	Palashi	after	0.1	-
16-Feb-11	8	34, AGB collony, motijheel	stove	pucca	residential	Khilgaon	before	-	-
16-Feb-11	20	515, kazipara, mirpur	electric line	pucca	residential	Mirpur	after	0.1	1
16-Feb-11	8	82/83, zoo road, section-2, mirpur	cigarette	under construc	under construct	Mirpur	after	0.01	0.05
17-Feb-11	7	holding-69/70, imam bari caf? kabab, gulshan-1	stove	pucca	commercial	Baridhara	before	0.1	-
17-Feb-11	12	229, boddho para, mir hazari bag,	electric line	kutcha	residential	Postogola	after	25	100
18-Feb-11	6	16/20, nobo ray lane, tati bazar	coel	pucca	industrial	Sadarghat	before	0.005	4
18-Feb-11	5	10/21, iqbal road, block-a, moh. Pur	stove	pucca	residential	Mohammadp	before	0.5	3
19-Feb-11	5	2/1-a, uttor basabo bosti	stove	kutcha	slum	Khilgaon	after	3.5	100
20-Feb-11	3	31/5, hazi ballu road, rahmatgonj,cak bazar	electric line	pucca	residential	Lalbag	before	0.01	0.5
20-Feb-11	16	88, fokirapul	stove	pucca	residential	Siddiq bazar	before	0.005	1
20-Feb-11	5	12/9, taj mohol road, moh.pur	electric line	pucca	residential	Mohammadp	before	0.3	1
20-Feb-11	2	b/2, iqbal road, moh.pur	weilding	pucca	residential	Mohammadp	before	0.1	-
20-Feb-11	5	3/19, Iqbal road, Mohammadpur, dhaka	electric line	pucca	residential	Mohammadp	after	0.01	0.5
20-Feb-11	4	117, tajmohol road, mohammadpur, dhaka	gas line	pucca	residential	Mohammadp	before	0.02	0.5
21-Feb-11	5	h-6/8, nurjahan road, moh.pur	electric line	pucca	residential	Mohammadp	before	-	-
21-Feb-11	5	babor road, mohammadpur	gas line	gas installatio	road	Mohammadp	after	0.02	-
22-Feb-11	11	hazi samad sorok, jatrabari	cigarette	pucca	industrial	Postogola	after	-	-
22-Feb-11	15	154/19-2, west nakhalpara, babul bag	cigarette	semi-pucca	residential	Tejgaon	before	0.3	0.1
23-Feb-11	15	16/a, jhikatola tennary mor, sonaton gor, 'panir pump	electric line	semi-pucca	residential	Palashi	before	0.02	0.2
23-Feb-11	5	ghontighor bosti, doya gonj, gendaria	cigarette	kutcha	residential	Postogola	after	0.2	0.1
23-Feb-11	6	22/13 a, khilji road, shyamolly	electric line	pucca	residential	Mohammadp	after	0.2	0.4
24-Feb-11	5	28/1, RM das road, sutrapur	cigarette	pucca	commercial	Sadarghat	after	0.15	10
25-Feb-11	5	66, zoo road, mirpur	gas line	gas installatio	road	Mirpur	before	0.04	-
25-Feb-11	10	h-8/2, block-b, lalmatia	electric line	pucca	residential	Mohammadp	after	1	10
25-Feb-11	5	5/10, block-a, lalmatia	stove	pucca	mixed	Mohammadp	after	-	-
26-Feb-11	18	6/7 no, lalmatial, blobk d	electric line	pucca	residential	Mohammadp	before	0.05	1.5
27-Feb-11	7	ettefaq bhabon, 1, RK mission road	weilding	pucca	commercial	Siddiq bazar	after	4	35
27-Feb-11	10	85, majed sardar lane	electric line	electric installa	road	Siddiq bazar	before	0.03	5
28-Feb-11	2	126, soumipara, uttor badda	stove	kutcha	residential	Baridhara	after	20	50
28-Feb-11	5	abdul latif bawani jute mill, demra		semi-pucca	industrial	Demra	before	5	10
28-Feb-11	9	59, atish diponkor road	cigarette	pucca	public service	Khilgaon	before	1.5	100
28-Feb-11	2	block a, 6/2 no lalmatia, mohammadpur, dhaka	cigarette	kutcha	commercial	Mohammadp	after	0.5	2
1-Mar-11	8	h-ka/26, jogonnathpur, aziz sorok, boshundhara	cigarette	semi-pucca	residential	Baridhara	before	0.1	0.2
1-Mar-11	10	mridhabari, matuail, demra	cigarette	kutcha	industrial	Demra	after	2	10
1-Mar-11	5	borodanga, sarulia, demra	electric line	kutcha	commercial	Demra	after	10	20
1-Mar-11	3	11, kazi alauddin road		under construc	under construct	Siddiq bazar	after	0.02	0.1
1-Mar-11	5	west side of socibaloy	electric line	electric installa	road	Siddiq bazar	after	0.01	0.01
1-Mar-11	4	12/3, moddho begunbari, tejgao	electric line	kutcha	residential	Tejgaon	before	0.01	2
1-Mar-11	8	476/c, DIT road, malibag	cigarette	open space	open space	Khilgaon	after	0.2	5
2-Mar-11	4	imran furnitures, notun bazar	coel	semi-pucca	commercial	Baridhara	after	3	5
2-Mar-11	12	151, new eskaton road, eastern tower	stove	pucca	residential	Siddiq bazar	after	0.1	10
2-Mar-11	11	in front of farmgate balika ucco biddaloy	cigarette	open space	road	Tejgaon	before	0.015	-
2-Mar-11	3	24/1, r-8, tilpa para, khilgao	electric line	pucca	residential	Khilgaon	after	0.7	5
2-Mar-11	4	NHB-22, new collony, block-b, lalmatia	electric line	pucca	residential	Mohammadp	before	0.03	1
3-Mar-11	15	shahajad pur, jhilpar bosti	cigarette	kutcha	residential	Baridhara	before	0.05	0.1
3-Mar-11	5	shahdat pur, baridhara	weilding	under construc	under construct	Baridhara	before	0.03	0.1
3-Mar-11	6	50, toyenbi, circular road	electric line	pucca	industrial	Siddiq bazar	after	3	2
3-Mar-11	2	anondomoyi food, sony cinema hall market, section 2,	electric line	pucca	commercial	Mirpur	after	0.5	2
4-Mar-11	10	20, alam monjil, mill barrak, gendaria	cigarette	pucca	residential	Postogola	before	0	-
4-Mar-11	22	412/3/a, ulon road, west rampura	gas line	pucca	residential	Khilgaon	after	-	-
4-Mar-11	6	27, dewan menson, 10 no. golcakkar, mirpur	electric line	pucca	commercial	Mirpur	after	0.05	1
4-Mar-11	5	h-10, block-c, lalmatia	electric line	electric installa	road	Mohammadp	after	0.01	-
5-Mar-11	9	h-23, r-23, banani	electric line	pucca	residential	Baridhara	after	1	4

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
5-Mar-11	20	1160, purbo nurer cala, badda	electric line	pucca	residential	Baridhara	after	2	5
5-Mar-11	7	plot-5, lal mosjid road, shyampur, kadamtoli	electric line	pucca	industrial	Postogola	after	0.5	100
5-Mar-11	16	610, boro mogbazar	electric line	semi-pucca	commercial	Tejgaon	after	0.5	6
6-Mar-11	7	h-67, gulshan avenue, gulshan	electric line	pucca	commercial	Baridhara	before	0.01	-
6-Mar-11	2	11 no. loyal street, patuatuli, sadarghat	electric line	semi-pucca	industrial	Sadarghat	after	-	-
6-Mar-11	10	335/336, dilo road, mogbazar	cigarette	under construc	under construct	Tejgaon	after	0.2	1
6-Mar-11	20	h-1, r-4, dhanmondi	electric line	pucca	public service	Mohammadp	before	-	-
7-Mar-11	11	24, dhopkhola, gendaria	electric line	electric installa	road	Postogola	after	0.2	0.5
7-Mar-11	5	26/9, agasadek lane, bangladesh math		pucca	commercial	Siddiq bazar	after	0.3	0.7
7-Mar-11	15	fly-7.5, block-b-7, west hazibag		pucca	residential	Khilgaon	after	0.7	5
7-Mar-11	7	r-15-a, h-52,55, dhanmondi	electric line	electric installa	road	Mohammadp	after	0.05	0.5
8-Mar-11	20	shahabuddin medical college, plot-12, r-113/a, gulsha	electric line	pucca	public service	Baridhara	after	2	5
8-Mar-11	14	174, dakkhin jatrabari, nobinagar, jelepara	coel	kutcha	residential	Postogola	before	0.02	0.5
8-Mar-11	10	in front of ramna thana	electric line	electric installa	road	Siddiq bazar	after	0.1	0.1
8-Mar-11	10	e-102, mohakhali wireless gate, school road	cigarette	semi-pucca	mixed	Tejgaon	after	-	-
8-Mar-11	15	689/a, boro mogbazar		under construc	under construct	Tejgaon	before	0.005	0.05
8-Mar-11	18	h-31, r-28, dhanmondi	cigarette	pucca	residential	Mohammadp	before	0.05	
9-Mar-11	10	lijar bag, tara mosjjid, kamrangir car	cigarette	pucca	industrial	Lalbag	after	5	10
9-Mar-11	9	gausul ajom market, nilkhet	electric line	pucca	commercial	Palashi	after	3	5
10-Mar-11	9	h-36, r-13, block-d, banani	electric line	electric installa	road	Baridhara	before	0.05	0.1
10-Mar-11	20	lalbag keplor mor, gudara ghat, cakbazar	electric line	kutcha	residential	Lalbag	after	5	7
10-Mar-11	6	plot-14, r-8, lal mosjid road, kadamtoli, shyampr IA	electric line	pucca	industrial	Postogola	after	0.5	100
10-Mar-11	4	city plaza, fulbaria, gulistan	electric line	pucca	commercial	Siddiq bazar	before	-	-
10-Mar-11	20	67, dakkhin khan, uttara	electric line	pucca	residential	Tongi	after	1	5
11-Mar-11	8	198/282, nobabpur, nobab tower	electric line	pucca	commercial	Siddiq bazar	after	0.1	2
11-Mar-11	50	r-7,h-41,sector-3, uttara	gas line	pucca	residential	Tongi	before	0.15	0.3
11-Mar-11	2	plot-34, block-kha, 10 no. golcakkar, mirpur	electric line	pucca	mixed	Mirpur	after	5	50
12-Mar-11	10	h-392, r-6, baridhara DOHS	electric line	electric installa	road	Kurmitola	before	0.025	
12-Mar-11	10	1549, mazar goli, purbo jurain	cigarette	pucca	residential	Postogola	before	0.05	1
12-Mar-11	6	56 no. ward, in front of juboleage office	gas line	gas installatio	road	Siddiq bazar	before	0.01	-
12-Mar-11	3	56 no. haq market, sadarghat	electric line	pucca	commercial	Sadarghat	after	3	15
12-Mar-11	10	1 no. camely bag, shanti nagar	cigarette	under construc	under construct	Khilgaon	before	0.02	2
12-Mar-11	10	plot-25, block-ka,r-3, section-2,mirpur	weilding	under construc	under construct	Mirpur	after	0.2	
12-Mar-11	3	36, sukrabad, dhanmondi	electric line	electric installa	road	Mohammadp	after	0.05	-
13-Mar-11	6	merul, badda	electric line	kutcha	commercial	Baridhara	before	0.005	-
13-Mar-11	7	8/9, raza sreenath street, lalbag	cigarette	pucca	public service	Lalbag	after	0.005	-
13-Mar-11	15	koyla ghat, near beri bandh, kamrangir car	electric line	semi-pucca	residential	Lalbag	after	12	50
13-Mar-11	25	beside rony market, 3 no, ward, rasulpur, kamrangirca	electric line	pucca	residential	Lalbag	after	2	5
13-Mar-11	15	263 no. beside vasantek primary school	electric line	pucca	residential	Kurmitola	before	0.05	1
13-Mar-11	7	201/202, tejga IA, GMG road	cigarette	semi-pucca	commercial	Tejgaon	after	0.2	5
13-Mar-11	25	plot-68/1,block-k, section-2, rupnagar,mirpur	electric line	semi-pucca	industrial	Mirpur	after	8	30
14-Mar-11		north south university, boshundhara	cigarette	pucca	public service	Baridhara	before	0	-
14-Mar-11	4	4/1/2 hor Mohon steel, lalbag, dhaka	electric line	semi-pucca	residential	Lalbag	before	0.5	2
14-Mar-11		bardem hospital, shahbag	cigarette	pucca	public service	Palashi	before	-	-
14-Mar-11	10	h-12, r-3, block-c, section-12, pallabi	gas line	gas installatio	road	Mirpur	before	0.03	-
15-Mar-11	5	Abdullahpur, Uttara, Dhaka	electric line	semi-pucca	commercial	Tongi	after	2	5
16-Mar-11	9	Pilkhana, east side of 5 no gate	cigarette	open space	open space	Palashi	after	0.2	5
16-Mar-11	4	111/113/1, Motijhil, Ba/A, Dhaka	cigarette	open space	open space	Siddiq bazar	after	20	100
16-Mar-11	1	230, banga bazar complex	electric line	pucca	industrial	Siddiq bazar	before	0.1	
16-Mar-11	8	r#3/2, h#5, s#9, Uttara (Milestone school, primary sec	electric line	pucca	residential	Tongi	before	0.1	0.3
16-Mar-11	14	r#9, h#4, s#1, uttara	electric line	pucca	public service	Tongi	before	0.2	0.5
16-Mar-11	8	r#3, block a, h#15, banasri project, rampura	cigarette	pucca	residential	Khilgaon	before	0.5	
16-Mar-11	25	r-4, h-9, dhanmondi	electric line	pucca	residential	Mohammadp	before	0.3	5
17-Mar-11	7	airport road, west side of civil aviation	cigarette	open space	open space	Kurmitola	after	0	
17-Mar-11	3	buet auditoriam, buet, dhaka	cigarette	pucca	public service	Palashi	before	0	
17-Mar-11	9	447, noyapara, dhonia,shempur, dhaka	electric line	semi-pucca	commercial	Postogola	before	0.5	5
17-Mar-11	11	42, Stam housing, khondokar goli, shiddheswari	electric line	pucca	residential	Siddiq bazar	after	2	10
17-Mar-11	8	r#3, h#11, s#7, uttara	electric line	electric installa	road	Tongi	after	0.2	0.5
18-Mar-11	9	hosen market, north badda, dhaka	gas riser	pucca	commercial	Baridhara	before	0.35	0
18-Mar-11	14	ka/161, purbopara, mridhabari, kuril, dhaka	stove	kutcha	residential	Baridhara	after	3	5
18-Mar-11	11	5no folder street, wari,dhaka	electric line	pucca	residential	Siddiq bazar	after	0.1	5
19-Mar-11	13	345/B, taltola, khilga	electric line	pucca	residential	Khilgaon	before	1.5	0.5
19-Mar-11	5	rain khola, section-1, h-42, block-c, r-20, mirpur	match	semi-pucca	residential	Mirpur	after	0.4	5
20-Mar-11	4	shodorghat ladies park, hawkers market, dhaka	candle	pucca	commercial	Sadarghat	before	0.002	0.1
20-Mar-11	4	khilga, taltola city corporation super market	electric line	pucca	commercial	Khilgaon	before	0.3	2
20-Mar-11	3	4/A, south banasri, madartek, dhaka	cigarette	open space	road	Khilgaon	after	0.3	0.5
21-Mar-11	4	amtoli, sharulia, demra, dhaka	electric line	semi-pucca	commercial	Demra	before	0.5	0.5
21-Mar-11	4	ajimpur government colony ,dhaka	stove	pucca	residential	Palashi	before	0.01	
21-Mar-11	6	345/1,free school street, hatirpul, dhaka	gas line	pucca	residential	Palashi	after	0.015	
22-Mar-11	1	bongobazar, dhaka	electric line	pucca	commercial	Siddiq bazar	before	-	-
22-Mar-11	7	115/116, tejgaon industrial area	electric line	pucca	industrial	Tejgaon	after	0.05	10
22-Mar-11	7	13,dit road, malibag, chowdry para, dhaka	electric line	pucca	industrial	Khilgaon	after	25	100
22-Mar-11	15	51/m, r-7/a, dhanmondi	weilding	under construc	under construct	Mohammadp	after	0.1	0.5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
23-Mar-11	1	255/A, elephant road katcha bazar, dhaka	electric line	pucca	commercial	Palashi	after	0.05	0.1
23-Mar-11	12	TNT, beltoli ershad nogor bosti, mohakhali, dhaka	stove	kutcha	residential	Tejgaon	after	2.27	3.15
23-Mar-11	4	244 no new circular road, malibag	electric line	electric installa	road	Khilgaon	after	0.1	0.5
24-Mar-11	4	nilmoy tire, 10 rokonpur, 3no goli, dholaikhal, dhaka	electric line	kutcha	commercial	Sadarghat	after	1	9
24-Mar-11	7	sat tola east bosti, mohakhali, dhaka	stove	kutcha	residential	Tejgaon	after	5.5	20
24-Mar-11		416/A, west rampura,mokik mosjid road, dhaka	stove	pucca	residential	Khilgaon	before	0.1	10
24-Mar-11	16	section-2, block-a, moshjid market, mirpur	electric line	pucca	commercial	Mirpur	before	0.5	1.5
24-Mar-11	3	h#26, r#27, dhanmondi, dhaka	machine	pucca	commercial	Mohammadp	before	0.7	2
25-Mar-11	3	141, university market, katabon, dhaka	electric line	pucca	commercial	Palashi	after	4	10
25-Mar-11	7	35/1, kazi nazrul islam avenue, kawran bazar, dhaka	electric line	pucca	commercial	Tejgaon	after	1	5
26-Mar-11	4	6no building, rokeya hall, dhaka university	electric line	pucca	public service	Palashi	before	0.5	2
26-Mar-11	9	55, c. r. dotto road (infront of My TV office)	electric line	electric installa	road	Siddiq bazar	after	0.02	
26-Mar-11	7	81, goalnogor lane, shodhorghat	candle	semi-pucca	residential	Sadarghat	after	6	10
26-Mar-11	13	r-21, h-53, rupnagar RA, pallabi, mirpur	electric line	pucca	residential	Mirpur	after	2.5	6
27-Mar-11	1	22/6, dhakesshori road, polashi	electric line	pucca	commercial	Palashi	after	2	2
27-Mar-11	6	167/2, 167/3, block-b, mirpur-12	cigarette	under construc	under construct	Mirpur	before	0.04	-
28-Mar-11	10	plot#115, lane#15, purbachal road, north badda, dhak	cigarette	semi-pucca	industrial	Baridhara	after	8	10
28-Mar-11	6	698/3 A, shipahibag, khilga, dhaka	electric line	electric installa	road	Khilgaon	after	3	5
29-Mar-11	5	islambag, amborighat, lalbag	cigarette	open space	road	Lalbag	after	0	
29-Mar-11	10	43/4, nobabgonj, dhaka	electric line	semi-pucca	residential	Lalbag	before	0.8	1
29-Mar-11	5	56, hazi a. mojid lane, bolta bazar, dhaka	electric line	semi-pucca	commercial	Sadarghat	after	0.3	0.4
29-Mar-11	3	7/1 B, FDC road, bot tola, dhaka	electric line	pucca	commercial	Tejgaon	after	0.05	2
29-Mar-11	8	r-7, h-47, dhanmondi	electric line	pucca	residential	Mohammadp	after	1.5	5
30-Mar-11	15	119, hajaribag, dhaka	machine	semi-pucca	industrial	Palashi	after	10	50
30-Mar-11	14	h-54, r-4/A, dhanmondi	electric line	pucca	commercial	Mohammadp	before	0.05	2
31-Mar-11	1	karim jute mill, demra, dhaka	electric line	pucca	industrial	Demra	after	0.05	0.5
31-Mar-11	9	114/15, nobabpur, bcc road, dhaka	electric line	pucca	commercial	Siddiq bazar	after	5	100
31-Mar-11	5	12 no goli, moddho begunbari, tejga, dhaka	cigarette	pucca	residential	Tejgaon	after	0.01	2
31-Mar-11	5	sector 3, plot 5, uttara, dhaka	electric line	semi-pucca	commercial	Tongi	after	1	5
1-Apr-11	5	mahbub traders, konapara, dogair, jatrabari, dhaka	electric line	semi-pucca	industrial	Demra	after	0.5	10
1-Apr-11	6	6, motijhil, ab mention. Near ncc bank	electric line	electric installa	road	Siddiq bazar	after	0.05	50
1-Apr-11	10	r-9/a, h-107, dhanmondi	electric line	pucca	commercial	Mohammadp	before	0.6	2
2-Apr-11	5	86/A, DIT plot, balur math, jurain, postogola, dhaka	machine	pucca	industrial	Postogola	after	0.05	50
2-Apr-11	3	shikkha bhaban, abdul gani road, 2 no bulding	electric line	pucca	commercial	Siddiq bazar	after	0.05	20
2-Apr-11	14	plot 68, road 11, block h, banani, dhaka	electric line	pucca	commercial	Tejgaon	before	0.05	10
2-Apr-11	6	136/18, mohakhali commercial area, dhaka	gas riser	pucca	residential	Tejgaon	after	0.5	20
2-Apr-11	4	section 9, road 7/C, house 44, uttara	gas line	pucca	residential	Tongi	after	2	3
2-Apr-11	5	B - 24/A, malibag, choudhury para, rampura	electric line	pucca	industrial	Khilgaon	after	0.5	0.7
3-Apr-11	9	road 6, blobk A, house 169, bashundhara residential a	electric line	pucca	residential	Baridhara	before	0.1	0.2
3-Apr-11	5	sompara, demra, dhaka	electric line	kutcha	commercial	Demra	after	2	20
3-Apr-11	9	house 467, lane 8, baridhara DOHS, dhaka	electric line	pucca	residential	Kurmitola	before	0.3	5
3-Apr-11	5	Dhaka university CARS building	electric line	pucca	public service	Palashi	before	5	50
3-Apr-11	9	mohakhali pera medical hostel	electric line	pucca	residential	Tejgaon	after	0.05	
3-Apr-11	2	12 B/1/1 pallabi, mirpur 12, dhaka	cigarette	pucca	residential	Mirpur	before	0.3	
3-Apr-11	9	house 261/262, road 3, block co(?), section 2, mirpur,	electric line	semi-pucca	residential	Mirpur	before	-	
4-Apr-11	12	ashkona, hazi camp, biman bondor, dhaka	cigarette	kutcha	residential	Kurmitola	after	0.2	0.3
5-Apr-11	10	rajuk trade center, airport road, khilkhet, nikunjo - 2, d	electric line	pucca	commercial	Kurmitola	before	3	5
5-Apr-11	1	farhana s collection, anondo complex, fulbaria, dhaka	electric line	pucca	mixed	Siddiq bazar	after	0.01	0.5
5-Apr-11	10	jiko battery and tire, 90/A, new eskaton road, dhaka	electric line	pucca	commercial	Tejgaon	after	3	50
6-Apr-11	2	johirul haque hall, Dhaka university	cigarette	open space	road	Siddiq bazar	after	0.02	0.1
7-Apr-11	8	Alir ghor, beri badh, islambag, lalbag	cigarette	open space	open space	Lalbag	after	0.3	0.1
8-Apr-11	13	kalunogor bosti, hajaribag, dhaka	electric line	kutcha	residential	Palashi	after	10	20
8-Apr-11	14	road 2, house 13, sector 6, uttara, dhaka	electric line	pucca	residential	Tongi	after	1.6	2
9-Apr-11	1	korimullahbag, iron market, postogola	gas cilinder	kutcha	commercial	Postogola	after	0.01	0.1
9-Apr-11	10	h-10, r-8, dhanmondi	electric line	pucca	residential	Mohammadp	before	0.002	0.05
10-Apr-11	2	house 5, 1 no park road, baridhara, dhaka	stove	pucca	residential	Baridhara	after	5	10
10-Apr-11	6	22/23, DIT shilpo plot, shempur, dhaka	electric line	pucca	public service	Postogola	after	5	200
10-Apr-11	4	13/3, ahsanullah shorok, motoali, dhaka	electric line	pucca	commercial	Sadarghat	after	0.1	5
11-Apr-11	1	etimkhana road,ajimpur, dhaka	electric line	pucca	commercial	Lalbag	before	-	-
11-Apr-11	2	rajabari, postogola, dhaka	electric line	electric installa	road	Postogola	after	0.4	-
11-Apr-11	7	house 1, road 11, block e, mirpur, dhaka	electric line	pucca	residential	Mirpur	before	0.5	5
11-Apr-11		r-28, h-22, dhanmondi	electric line	pucca	commercial	Mohammadp	before	0.02	1
12-Apr-11	5	59, rajnarayandhor road, kellar mor, lalbag, dhaka	machine	semi-pucca	industrial	Lalbag	before	0.2	12
12-Apr-11	5	69 - A, chondroshila shubastu tower, pantha path, dha	gas riser	pucca	commercial	Palashi	before	0.2	1
12-Apr-11	3	samad super market, jatrabari, dhaka	cigarette	pucca	commercial	Postogola	before	0.5	
12-Apr-11	5	s-10, r-12/a, h-51, uttara	electric line	semi-pucca	industrial	Tongi	after	22	25
12-Apr-11	5	plot-18/20, r-1, block-ka, duaripara, pallabi mirpur	electric line	semi-pucca	residential	Mirpur	before	0.35	0.8
12-Apr-11	24	f-14, h-2, dhanmondi	electric line	pucca	commercial	Mohammadp	after	1	10
13-Apr-11	8	kajla cargo press, jatrabari	cigarette	open space	industrial	Demra	before	0.005	
13-Apr-11	7	5, printers building, motijhil, dhaka	electric line	pucca	commercial	Siddiq bazar	before	0.01	8
13-Apr-11	14	156 no, shantinagar messrs islam garments, dhaka	electric line	pucca	industrial	Siddiq bazar	before	-	-
13-Apr-11	19	9 no, bashabari lane, noyabazar united commercial ba	electric line	pucca	commercial	Sadarghat	before	0.2	1
13-Apr-11	10	bangladesh medical research center, mohakhali, dhaka	electric line	pucca	public service	Tejgaon	before	1	10

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
13-Apr-11	15	malibag shahi mosjid bazar road, dhaka	gas riser	pucca	commercial	Khilgaon	after	0.2	1
13-Apr-11	20	block-e, r-19, eastern housing, pallabi, mirpur	candle	semi-pucca	residential	Mirpur	before	0.01	0.1
14-Apr-11	12	near nababgonj police fari	cigarette	open space	open space	Lalbag	after	0.001	
14-Apr-11	5	30 no, poribag, hatirpul	electric line	pucca	residential	Palashi	before	0.03	0.05
14-Apr-11	3	21/A, DIT plot, jurain, shempur, postogola, dhaka	electric line	semi-pucca	commercial	Postogola	after	1	50
14-Apr-11	4	42/1, tanaka tower, shegunbagicha, dhaka	electric line	pucca	commercial	Siddiq bazar	after	0.5	20
14-Apr-11	4	rashid market, 1/2 F secretariat market, chankharpul,d	electric line	pucca	commercial	Siddiq bazar	after	7	30
14-Apr-11	9	section 7, road 3, house 139-140, mirpur, dhaka	electric line	pucca	residential	Mirpur	before	1	
14-Apr-11	9	666/a, dhanmondi-32	electric line	pucca	residential	Mohammadp	before	0.2	0.5
15-Apr-11	20	6/1, orphanage road,lalbag, dhaka	electric line	semi-pucca	commercial	Lalbag	after	2	5
15-Apr-11	9	interco design ltd, 241/243, south ajompur, dokkhinkh	electric line	semi-pucca	industrial	Tongi	after	35	90
15-Apr-11	8	r-6, h-6, dhanmondi	electric line	pucca	commercial	Mohammadp	before	0.01	-
16-Apr-11	21	kawla main road, 3no house, uttarkhan, dhaka	electric line	pucca	residential	Kurmitola	before	0.3	5
16-Apr-11	11	158 no elephant road, dhaka	gas line	pucca	residential	Palashi	after	0.02	
16-Apr-11	4	261/M, hazi maran ali road, tejga, dhaka	gas cilinder	kutcha	commercial	Tejgaon	after	1	6
16-Apr-11	5	167/169, south kunipara, tejga, dhaka	electric line	semi-pucca	industrial	Tejgaon	after	0.5	5
16-Apr-11	10	kalshi road, mirpur	electric line	electric installa	road	Mirpur	before	0.15	-
16-Apr-11	5	h-6, r-12/a, dhanmondi	electric line	pucca	residential	Mohammadp	before	1.5	2
17-Apr-11	6	infront of house 21, road 83, gulshan	electric line	electric installa	road	Baridhara	after	0.5	1
17-Apr-11	10	muktijoddha shopping complex, near ashkona hazi ca	electric line	pucca	commercial	Kurmitola	after	5.05	5.1
17-Apr-11	3	janata bank, 14/1, kakrail, shantinogor, dhaka	electric line	pucca	commercial	Siddiq bazar	before	1	10
17-Apr-11	14	sector 5, road 5, house 42, uttara, dhaka	electric line	pucca	residential	Tongi	before	0.5	2
17-Apr-11	12	sector 10, road 33, plot 3, uttara, dhaka	electric line	pucca	residential	Tongi	before	0.01	1
17-Apr-11	4	block-e, r-1, h-7, section-6, mirpur	electric line	electric installa	road	Mirpur	before	-	-
18-Apr-11	5	bsd, dhaka cantonment	electric line	pucca	commercial	Kurmitola	after	-	-
18-Apr-11	8	107 no bir uttam c r dutta road, kathalbagan, dhaka	electric line	pucca	commercial	Palashi	after	20	80
19-Apr-11	2	oraighat, shodorghat,dhaka	electric line	electric installa	road	Sadarghat	after	0.1	0.2
19-Apr-11	25	90 no, new circular road, mouchak, dhaka	electric line	pucca	commercial	Khilgaon	before	0.6	100
19-Apr-11	10	h-61, r-19, 9-er a, dhanmondi	electric line	pucca	residential	Mohammadp	after	2	20
20-Apr-11	20	132/33, k v grid subcenter, desko, bashundhara reside	electric line	pucca	public service	Baridhara	after	16	100
20-Apr-11	4	chittagong road, demra	electric line	semi-pucca	residential	Demra	after	0.05	0.2
20-Apr-11	5	26 no, bir uttam, c r dutta road, hatirpul, dhaka	electric line	pucca	commercial	Palashi	after	5	20
21-Apr-11	15	korail bosti, banani, dhaka	electric line	kutcha	residential	Tejgaon	after	4	10
22-Apr-11	10	29 no, kamal ataturk ave, road 17, banani, dhaka	electric line	pucca	commercial	Baridhara	after	8	50
23-Apr-11	16	beside ashkona hazi camp, uttara, dhhaka	electric line	pucca	commercial	Kurmitola	before	12	15
23-Apr-11		336/2 - d, west nakhalpara, dhaka		kutcha	residential	Tejgaon	before	0.05	0.1
23-Apr-11	5	r-5, h-5, block-e, section-2, mirpur	chemical reaction	pucca	industrial	Mirpur	before	7	20
23-Apr-11	22	170, green road	cigarette	under construc	under construct	Mohammadp	after	0.05	0.5
24-Apr-11	14	south kuril, ka/8, badda, dhaka	electric line	kutcha	residential	Baridhara	before	1	2
24-Apr-11	4	145 no south goran, dhaka	gas line	gas installatio	road	Khilgaon	after	0.08	10
25-Apr-11	11	180/a, moddho basabo, sobujbag	electric line	pucca	residential	Khilgaon	after	0.7	20
26-Apr-11	4	338/2, k circular road, cakbazar	electric line	pucca	residential	Lalbag	after	1.5	3
26-Apr-11	15	16/1, ahsan ullah road, badamtoli	cigarette	semi-pucca	commercial	Sadarghat	after	0.2	2.8
26-Apr-11	10	41, al amin road, green road, dhaka	stove	pucca	residential	Mohammadp	before	0.05	0.5
27-Apr-11	17	h-79, block-11, banani, chairman bari	electric line	pucca	industrial	Kurmitola	after	5	7
27-Apr-11	4	19, north brook hall road, bangla bazar	electric line	pucca	commercial	Sadarghat	before	0.05	0.2
27-Apr-11	5	tiffin works limited, colontika mor, section-7, mirpur	machine	pucca	industrial	Mirpur	before	-	-
28-Apr-11	7	kazi jahir kunja', r-78, h-5, gulshan-2	electric line	pucca	residential	Baridhara	after	5	20
28-Apr-11	10	in front of S B office, malibag	electric line	electric installa	road	Siddiq bazar	before	0.1	-
29-Apr-11	10	kalunogor, near beribandh, hajaribag	stove	kutcha	residential	Lalbag	after	3	5
29-Apr-11	8	r-1, h-16, mohammadia housing, moh.pur	electric line	electric installa	road	Mohammadp	before	0.1	-
1-May-11	5	73/4, shanti nagar	electric line	pucca	commercial	Siddiq bazar	after	0.05	10
1-May-11	6	75/3, dakkhin para, mohakhali	electric line	pucca	residential	Tejgaon	before	0.5	1
1-May-11	16	mohanagar project, 64/c, r-4, rampura	electric line	pucca	residential	Khilgaon	before	1	5
1-May-11	5	avenue-4, r-3, section-7, mirpur	cigarette	pucca	commercial	Mirpur	before	0.02	0.05
2-May-11	10	h-131, r-10, block-f, boshundhara, baridhara	gas cilinder	pucca	residential	Baridhara	before	1	5
2-May-11	3	h-553, r-13, tilpapara, khilgao	gas line	pucca	commercial	Khilgaon	after	0.05	20
2-May-11	11	68-69, green road, concept tower	electric line	electric installa	road	Mohammadp	before	0.08	-
3-May-11	5	uttara-rajuk trade center	cigarette	pucca	commercial	Kurmitola	before	0.05	0.2
3-May-11	15	kalu nagar, hazaribag, beri bandh	machine	kutcha	commercial	Palashi	before	0.02	2
4-May-11	8	dogair, demra	electric line	kutcha	industrial	Demra	after	0.2	5
5-May-11	6	la/31, merul badda kutcha bazar	electric line	semi-pucca	commercial	Baridhara	before	0.5	1
5-May-11	6	wasa road	electric line	electric installa	road	Siddiq bazar	after	0.03	0.5
5-May-11	9	house building, sector-8, uttara	electric line	semi-pucca	commercial	Tongi	after	40	100
5-May-11	5	47, uttor shahjahanpur	electric line	electric installa	road	Khilgaon	after	0.025	-
5-May-11	6	572, uttor shahjahan pur	gas riser	kutcha	commercial	Khilgaon	after	0.5	20
6-May-11	12	195/1, green road, aziz nibash	stove	pucca	residential	Mohammadp	before	0.015	0.5
6-May-11	5	10/c, green square ave. d. s. bhabon	gas cilinder	pucca	residential	Mohammadp	before	2	5
7-May-11	4	goran, khilgao	electric line	electric installa	road	Khilgaon	after	0.1	-
8-May-11	25	airport		pucca	public service	Kurmitola	before	0.01	0.1
9-May-11	15	24/1, camely bag, shan tower	electric line	pucca	commercial	Siddiq bazar	before	1	3
9-May-11	18	h-32, block-b, r-4, niketon, gulshan	cigarette	under construc	under construct	Tejgaon	before	0.05	0.2
9-May-11	22	satar para, uttor khan, uttara	electric line	kutcha	commercial	Tongi	after	5	44

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
9-May-11	7	block-a, r-7, h-41. mirpur-12	stove	pucca	residential	Mirpur	before	0.2	-
9-May-11	8	h-1, r-3, section-11, block-2-a, mirpur	electric line	pucca	residential	Mirpur	after	0.05	0.15
10-May-11	20	10/2, free school street	electric line	pucca	residential	Palashi	before	0.5	-
10-May-11	7	in front of samsun nahar hall	electric line	electric installa	road	Palashi	before	0.005	-
10-May-11	5,	mohakhali, in front of jakaria hotel	electric line	electric installa	road	Tejgaon	after	0.01	0.5
11-May-11	7	shial bari, rupnagar, mirpur	gas line	gas installatio	road	Mirpur	after	0.3	-
11-May-11	8	h-21/1, r-19, block-d, section-6, mirpur	stove	pucca	residential	Mirpur	before	0.5	-
13-May-11	7	baytul aman housing, adabor, moh.pur	coel	pucca	residential	Mohammadp	after	0.3	1
14-May-11	8	demra thana road, demra	electric line	electric installa	road	Demra	before	-	-
14-May-11	9	gausul azom road, sector-13, h-66, uttara	electric line	electric installa	road	Tongi	before	0.015	-
15-May-11	11	r-6, h-133, block-c. boshundhara RA	cigarette	pucca	residential	Baridhara	before	0.5	1
15-May-11	8	32, mohakhali CA	gas riser	pucca	commercial	Tejgaon	after	0.2	0.5
15-May-11	6	12/2, mirpur road, momotaz mansion, shyamolly	electric line	pucca	industrial	Mohammadp	after	20	50
16-May-11	8	136,sonarga road	electric line	electric installa	road	Palashi	before	-	-
17-May-11	6	h-41, r-1, badda , batara	candle	semi-pucca	commercial	Baridhara	before	0.05	0.1
17-May-11	17	4 no. ward, teker hat, borogram, kamrangir car	electric line	kutcha	mixed	Lalbag	after	3	20
17-May-11	5	26, nazimuddin road	electric line	electric installa	road	Siddiq bazar	after	0.025	-
17-May-11	15	h-33, r-4, sector-3, uttara	gas riser	pucca	residential	Tongi	after	0.5	2
18-May-11	5	61/1, water works road	electric line	semi-pucca	industrial	Lalbag	after	3	10
18-May-11	7	16/6, basa-bari lane, jinda bahar	electric line	pucca	residential	Sadarghat	before	0.005	0.1
18-May-11	20	53 no. mohakhali	electric line	electric installa	road	Tejgaon	before	0.3	1
18-May-11	12	r-2, shial bari, rupnagar, mirpur	machine	pucca	industrial	Mirpur	before	0.003	1.5
19-May-11	18	h-287, r-2, sector-8, tushar dhara RA, kadamtoli	electric line	pucca	residential	Demra	before	0.2	1
19-May-11	19	h-50, r-13, sector-4, uttara	gas line	gas installatio	road	Kurmitola	after	1	2
19-May-11	3	korimollar bag, postogola	electric line	semi-pucca	commercial	Postogola	after	1	20
19-May-11	17	muslim nagar, matuail, demra	gas riser	pucca	residential	Postogola	after	0.6	-
19-May-11	2	164/a, shahid tajuddin soroni, tejgao	electric line	pucca	commercial	Tejgaon	after	0.5	5
19-May-11	11	mirpur-11.5, pallabi	electric line	electric installa	road	Mirpur	before	0.1	-
20-May-11	8	590, modhu bag, mogbazar	gas line	gas installatio	road	Siddiq bazar	after	0.003	10
20-May-11	5	h-33, r-13, sector-4, uttara	electric line	pucca	residential	Tongi	after	0.3	0.5
20-May-11	6	g-15, block-e, jakir hossain road, moh.pur		pucca	residential	Mohammadp	after	0.1	0.3
21-May-11	5	h-42, r-4, sector-10, uttara	electric line	pucca	residential	Tongi	after	2	5
21-May-11	4	71/a, west songkor, dhanmondi	electric line	pucca	mixed	Mohammadp	after	0.5	10
22-May-11	7	r-29, shayesta khan avenue,sector-4, uttara	electric line	pucca	residential	Tongi	after	5	30
23-May-11	6	7/5-10, section-7, mirpur	electric line	pucca	residential	Mirpur	before	0.05	1
24-May-11	4	poscim tengra, kolon par, sarulia	gas riser	pucca	residential	Demra	after	0.02	0.05
24-May-11	10	a/131 rojoni gondha super market, kocukhet	electric line	semi-pucca	commercial	Kurmitola	before	0.03	0.2
24-May-11	3	in front of bongobazar NX tower	electric line	electric installa	road	Siddiq bazar	after	0.01	0.02
24-May-11	9	h-253, r-16, block-b, mirpur 12, eastern housing	coel	pucca	residential	Mirpur	before	0.5	3
24-May-11	3	h-9/3, lane-1, block-b, section-6,mirpur	electric line	pucca	residential	Mirpur	after	0.2	0.5
25-May-11	10	khola para, demra	gas riser	pucca	residential	Demra	after	0.02	0.05
25-May-11	15	barontek water pump, modzone-10, kurmitola	electric line	pucca	public service	Kurmitola	before	0.1	0.05
25-May-11	3	mirpur model thana, section-2	stove	pucca	residential	Mirpur	before	-	-
25-May-11	12	46, purbo ahmed nagar, paikpara, mirpur	electric line	semi-pucca	industrial	Mirpur	before	0.003	0.005
26-May-11	11	h-32, r-17, kamal ataturk avenue, banani	cigarette	pucca	public service	Baridhara	after	0.5	10
26-May-11	11	plot-16, shyampur, kadamtoli IA	electric line	pucca	industrial	Postogola	before	0.5	5
26-May-11	4	91 no. kakrail	electric line	pucca	commercial	Siddiq bazar	after	3.5	50
26-May-11	3	220, kunipara, tejgao	stove	pucca	industrial	Tejgaon	after	0.1	1
26-May-11	5	5/5, moddho paik para	match	pucca	residential	Mirpur	before	0.2	1.5
27-May-11	5	plot-6/1, main road, section-1, mirpur	gas line	pucca	residential	Mirpur	after	-	-
28-May-11	6	33/ka, mir hazir bag, notun rasta, shyampur		semi-pucca	commercial	Postogola	before	0.05	5
28-May-11	9	sheyalbari, ramjan alir bosti, mirpur	electric line	kutcha	slum	Mirpur	after	2	10
29-May-11	4	r-90, gulshan-2	electric line	electric installa	road	Baridhara	after	1	5
30-May-11	2	madrasa sikkha board office, bokshi bazar	electric line	pucca	commercial	Lalbag	before	0.5	-
30-May-11	6	19 no. poscim jurain	cigarette	pucca	residential	Postogola	before	0.15	2
30-May-11	15	h-26, block-c, r-4, banani	electric line	pucca	residential	Tejgaon	before	0.2	1
30-May-11	8	r-9, plot-20, shial bari, mirpur	gas line	gas installatio	road	Mirpur	after	0.1	-
31-May-11	5	12/b-1, islam bag, cak bazar	electric line	pucca	industrial	Lalbag	before	3	10
31-May-11	10	kamlapur rail station	cigarette	open space	public service	Khilgaon	before	0.05	-
1-Jun-11	10	sector-12, h-45, shah mokdom road, uttara	gas line	gas installatio	road	Tongi	after	-	-
2-Jun-11	8	h-121,r-5,new DOHS, mohakhali	electric line	pucca	residential	Tejgaon	after	1	5
3-Jun-11	7	142/2, water works road, posta, cakbazar	machine	semi-pucca	industrial	Lalbag	before	0.003	7
3-Jun-11	7	7/13, sat mosjid road, dhanmondi	electric line	pucca	commercial	Mohammadp	after	1.5	10
4-Jun-11	10	r-38, h-28, gulshan-2		under construc	under construct	Baridhara	before	0.005	-
5-Jun-11	11	h-ta-160/2, moddho badda, gudara ghat	electric line	pucca	residential	Baridhara	after	0.25	1
5-Jun-11	5	purbo tengra, sarulia	electric line	kutcha	commercial	Demra	after	1	5
6-Jun-11	15	mach bazar', dakkhin jatrabari	electric line	semi-pucca	commercial	Postogola	after	3	100
6-Jun-11	9	bardem hospital	electric line	pucca	public service	Siddiq bazar	before	0.1	10
6-Jun-11	5	sadar ghat, 108, islampur	electric line	pucca	residential	Sadarghat	before	-	-
6-Jun-11	10	9/1, purbo kuni para, tejga IA	gas line	gas installatio	road	Tejgaon	after	0.2	0.5
7-Jun-11	10	kuril, mridhabari, badda	electric line	electric installa	road	Baridhara	before	0.02	-
7-Jun-11	5	211/1, lal badda road	electric line	electric installa	road	Palashi	before	0.006	-
7-Jun-11	14	three star showbeach bazar, dakkhin jatrabari	electric line	pucca	commercial	Postogola	after	0.5	10

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
7-Jun-11	6	bijoy sorony over bridge, tejgao	electric line	electric installa	road	Tejgaon	after	1.5	5
8-Jun-11	2	golap shah mazar	cigarette	pucca	public service	Siddiq bazar	after	0	-
9-Jun-11	19	sector-3, r-3, h-31, uttara	electric line	pucca	residential	Tongi	before	0.4	20
9-Jun-11	11	43/32, atish diponkor road, sobujbag, basabo	machine	pucca	residential	Khilgaon	after	0.5	100
9-Jun-11	11	plot-4, r-2, block-g, section-1, mirpur	electric line	pucca	industrial	Mirpur	before	0.01	0.03
9-Jun-11	9	47, lake circus, kalabagan	weilding	under construc	under construct	Mohammadp	before	0.05	0.5
10-Jun-11	14	rahman r parses,33, jatrabari	electric line	semi-pucca	commercial	Postogola	before	0.02	10
10-Jun-11	16	72, lake circus, kalabagan	gas line	gas installatio	road	Mohammadp	after	-	-
11-Jun-11	7	16/1, boro mogbazar	gas line	under construc	under construct	Siddiq bazar	before	0.005	-
12-Jun-11	12	1095, dkkhin para, matuail, jatrabari	coel	semi-pucca	industrial	Demra	after	0.5	2
13-Jun-11	17	45, narinda	electric line	electric installa	road	Sadarghat	before	-	-
14-Jun-11	32	kaydabad, moddho para, dakkhin khan	gas riser	semi-pucca	residential	Tongi	after	1.7	5
15-Jun-11		r-7/c, h-3, sector-3, uttara	electric line	electric installa	road	Tongi	after	0.1	
15-Jun-11	16	6/1, west razarbag, shabujbag	cigarette	kutcha	commercial	Khilgaon	after	1	100
15-Jun-11	9	h-45, r-1, block-h, mirpur-1	electric line	pucca	residential	Mirpur	before	1.5	-
17-Jun-11	15	plot-21, r-17, kamal ataturk avenue, gulshan	electric line	pucca	commercial	Baridhara	after	2	50
17-Jun-11	16	42, emam gonj, cak bazar	gas line	gas installatio	road	Lalbag	after	0.005	
17-Jun-11	5	dhaka senanibash,CMD garrison bhabon	electric line	pucca	commercial	Kurmitola	after	in	in
17-Jun-11	13	209, lalbag road. BGB 2 no. gate	electric line	semi-pucca	industrial	Palashi	after	0.005	5
18-Jun-11	10	sector-4, r-7, h-91, uttara	electric line	pucca	residential	Tongi	after	1.2	5
18-Jun-11	15	r-07, h-28, sector-03, uttara	electric line	electric installa	road	Tongi	before	0	-
18-Jun-11	41	1/f/2/9, kolwala para, mirpur-1	gas cilinder	semi-pucca	industrial	Mirpur	after	1	3
19-Jun-11	4	DC office, jangshon road, sadarghat	electric line	pucca	commercial	Sadarghat	after	0.2	5
20-Jun-11	10	14 no. chan mia road, kajla, jatrabari	gas line	pucca	residential	Demra	before	0.2	0.1
23-Jun-11	16	mogbazar wireless mor	electric line	electric installa	road	Tejgaon	before	0.05	1
23-Jun-11	16	pora bosti, kallyanpur	stove	kutcha	slum	Mirpur	after	20	45
24-Jun-11	15	h-29, r-3/b, sector-9, uttara	electric line	pucca	commercial	Tongi	after	1.5	5
24-Jun-11	21	20/2, rishi para, ananda nagar, darus salam, mirpur-1	gas riser	semi-pucca	residential	Mirpur	before	0.1	-
24-Jun-11	11	plot-5/f, h-567/1, shamim sarani	electric line	pucca	residential	Mirpur	before	0.2	1.5
24-Jun-11	15	extention pallabi, rupnagar, mirpur	cigarette	under construc	under construct	Mirpur	before	0.05	-
24-Jun-11	9	965, east shewrapara, kafrul, dhaka	cigarette	pucca	industrial	Mirpur	after	-	
24-Jun-11	6	sohrawardi hospital	electric line	pucca	public service	Mohammadp	before	0.15	1
25-Jun-11	30	banani 1 no. road, chairman bari	electric line	electric installa	road	Tejgaon	after	0.01	0.1
26-Jun-11	10	IPS, staff quarter, mohakhali	electric line	electric installa	road	Tejgaon	before	0.1	0.5
27-Jun-11	17	BTCL office main gate, dhaka senanibash	electric line	pucca	commercial	Kurmitola	after	-	-
27-Jun-11	10	14 no. dakkhin goran, khilgao	gas line	pucca	residential	Khilgaon	after	0.005	0.2
27-Jun-11	5	1288/4 - 1, purbo monipur, kafrul, mirpur	candle	pucca	residential	Mirpur	after	0.1	1
28-Jun-11	20	rayer bag, dotola mosjid, matuail,jatrabari	machine	semi-pucca	industrial	Demra	after	2	10
29-Jun-11	2	DU area, resident of pro-VC	electric line	pucca	residential	Palashi	after	0.01	0.05
29-Jun-11		49, imam gonj	khola bati	pucca	commercial	Siddiq bazar	before	0.1	15
29-Jun-11	3	taltola city super market,khilgao	electric line	pucca	commercial	Khilgaon	after	0.05	0.5
30-Jun-11	5	8/5,nobabpur road	electric line	pucca	residential	Sadarghat	before	0.06	0.3
1-Jul-11	5	245, ACI store, tejgao IA	cigarette	semi-pucca	commercial	Tejgaon	after	0.05	2
2-Jul-11	24	k/6, extended pallabi, dhaka	electric line	pucca	residential	Mirpur	before	0.1	0.25
3-Jul-11	6	175, shahid sayed nazrulislam soroni, 24/a, bijoynagar	electric line	pucca	commercial	Siddiq bazar	after	20	40
3-Jul-11	10	ceramic road, block-a. pallabi, mirpur-12	electric line	pucca	commercial	Mirpur	after	0.35	1.5
3-Jul-11	13	plot-94, r-16, jahangir alam lane, sunibir housing soci	electric line	kutcha	residential	Mohammadp	before	1.5	5
4-Jul-11	20	111/a, hazari bag	gas line	gas installatio	road	Palashi	before	0.002	-
5-Jul-11	12	behind 38, east bengal, cant.	electric line	electric installa	road	Kurmitola	before	-	-
5-Jul-11	2	in BUET academy bhabon (new), palashi	electric line	pucca	public service	Palashi	after	0.2	5
6-Jul-11	3	govt, printing press quarter, tejgao	gas line	pucca	residential	Tejgaon	after	0.05	2
8-Jul-11	13	dogair, purbo para, sarulia, demra	electric line	pucca	residential	Demra	after	2	10
8-Jul-11	9	motijheel, dilkusha CA	electric line	electric installa	road	Siddiq bazar	before	0.02	0.1
8-Jul-11	5	uttor bisil, section-1, mirpur	gas line	gas installatio	road	Mirpur	after	-	-
8-Jul-11	16	co-operative housing society, block-f, babor road,moh	electric line	pucca	residential	Mohammadp	before	-	-
9-Jul-11		sector-11, r-22, uttara	electric line	pucca	residential	Tongi	before	0.2	0.5
10-Jul-11	21	14/2, nobabpur road	gas line	gas installatio	road	Lalbag	before	0.005	-
10-Jul-11	8	rupgonj housing estate, mirpur-2	gas line	gas installatio	road	Mirpur	after	0.15	-
11-Jul-11	10	askona bazar, dakkhin khan	electric line	electric installa	road	Kurmitola	before	0.015	-
11-Jul-11	17	h-2/a, r-13, sector-4, uttara	electric line	pucca	mixed	Kurmitola	after	2.5	5
11-Jul-11	20	agrani tower, mog bazar, wireless gate	electric line	pucca	residential	Tejgaon	after	2	10
11-Jul-11	4	krishi market, moh. Pur	electric line	pucca	commercial	Mohammadp	before	0.1	5
12-Jul-11	10	490, uttor shahjahanpur	stove	pucca	residential	Khilgaon	after	0.05	0.5
12-Jul-11	10	3/ka, uttor bisil, mirpur-1	electric line	pucca	residential	Mirpur	after	1	0.5
13-Jul-11	8	105, shanti nagar	electric line	pucca	commercial	Siddiq bazar	before	0.2	1
13-Jul-11	5	380/a, tilpa para, r-6	machine	pucca	residential	Khilgaon	before	-	-
13-Jul-11	13	block-c, r-16, h-23, setion-1, mirpur	stove	semi-pucca	residential	Mirpur	before	0.02	0.1
14-Jul-11	10	beside kocukhet bazar, rojonigondha abashik	stove	pucca	residential	Kurmitola	before	0.015	-
14-Jul-11	12	34/2, kazi nazrul islam avenue, karwan bazar	electric line	pucca	commercial	Tejgaon	after	2	5
14-Jul-11	10	dakkhin khan thana, askona	candle	pucca	mixed	Tongi	after	1.5	4
15-Jul-11	9	khilkhet amtola	electric line	electric installa	road	Kurmitola	before	0.1	-
15-Jul-11	8	postogola iron market, postogola	electric line	pucca	industrial	Postogola	after	1	50
15-Jul-11	4	90, kazi alauddin road	electric line	pucca	commercial	Siddiq bazar	before	-	-
16-Jul-11	7	plot-ca-85, uttor badda bazar	electric line	kutcha	residential	Baridhara	before	0.5	1
16-Jul-11	8	6/2, shegun bagica	electric line	pucca	commercial	Siddiq bazar	before	0.05	0.5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
16-Jul-11	3	3/1, simson road, liyakot avenue.	electric line	semi-pucca	commercial	Sadarghat	after	150	1000
17-Jul-11	10	khola para, demra bazar, demra	machine	semi-pucca	industrial	Demra	after	5	20
18-Jul-11	10	16/17, islamgonj,	chemical reaction	under construc	under construct	Lalbag	after	0.2	1000
18-Jul-11	11	173/174, midford road		under construc	under construct	Sadarghat	after	0.1	150
18-Jul-11	2	5/2, simson road,sadarghat cishti nagar market	electric line	pucca	commercial	Sadarghat	after	4	16
18-Jul-11		1/3, asadgate road, mohammadpur	electric line	pucca	residential	Mohammadp	before	0.5	10
19-Jul-11	11	matikata amin road, h-83/2/a, cant.	gas line	gas installatio	road	Kurmitola	after	0.05	0.2
20-Jul-11	10	63/2, water works road, rahmat gonj	electric line	pucca	industrial	Lalbag	before	0.1	5
20-Jul-11	6	446/EFG, HRC bhabon midia, love road, tejgao IA	electric line	pucca	industrial	Tejgaon	before	-	-
20-Jul-11	10	aklal miar goli, noya para, seradia, khilgao	gas line	gas installatio	road	Khilgaon	after	0.2	-
21-Jul-11	6	33/11, kv electric substation, islambag, lalbag	electric line	pucca	public service	Lalbag	after	10	100
21-Jul-11	5	20, K G gupta lane, sutrapur	electric line	pucca	residential	Sadarghat	after	0.3	5
22-Jul-11	21	plot-207, purbo padordia, satarpul road, badda	electric line	semi-pucca	industrial	Baridhara	after	15	10
22-Jul-11	5	75/76, BS bhabon, elephant road	gas cilinder	pucca	residential	Palashi	before	0.05	5
22-Jul-11	3	1 no. patuwary lane, sadarghat	electric line	pucca	residential	Sadarghat	before	0.2	1
22-Jul-11	3	mohakhali kutcha bazar	gas cilinder	semi-pucca	commercial	Tejgaon	after	0.02	2
23-Jul-11	20	239-kha, 'achia monjil' dakkhin kutubkhali khalpar, jat	cigarette	pucca	residential	Postogola	after	0.025	20
23-Jul-11	18	34/1, midford road	electric line	pucca	mixed	Sadarghat	before	0.2	10
23-Jul-11	11	airport, uttara	electric line	pucca	public service	Tongi	after	1	2
23-Jul-11	10	h-23, r-19, sector-14, uttara	electric line	pucca	residential	Tongi	before	0.05	0.3
23-Jul-11	1	dental college hostel, sobhanbag, dhaka	electric line	pucca	residential	Mohammadp	before	0.1	0.5
24-Jul-11	5	noyabazar, DIT market	electric line	pucca	commercial	Siddiq bazar	after	20	100
24-Jul-11		10 no. tati bazar	electric line	pucca	commercial	Sadarghat	before	0.1	10
24-Jul-11	8	TB hospital gate, mohakhali	electric line	electric installa	road	Tejgaon	before	0.05	0.5
24-Jul-11	26	purbo rampura	electric line	electric installa	road	Khilgaon	before	0.08	-
25-Jul-11	5	manikdi bazar, madam bari	gas line	gas installatio	road	Kurmitola	after	0.005	-
25-Jul-11	6	motsho bahbon	electric line	pucca	public service	Siddiq bazar	before	-	-
26-Jul-11	11	islam bag, basher pul, demra	gas line	gas installatio	road	Demra	before	0.01	0.1
26-Jul-11	7	12 no. ahsanullah road, nobab bari, islampur	electric line	pucca	commercial	Sadarghat	after	0.2	8
26-Jul-11	11	100, kazi nazrul islam avenue, karwan bazar	electric line	pucca	commercial	Tejgaon	before	0.03	1
26-Jul-11	17	71/c, gojomohol road, hazaribag	cigarette	pucca	mixed	Mohammadp	after	4	50
26-Jul-11	16	corok gata, bou bazar, hazaribag	cigarette	kutcha	commercial	Mohammadp	before	0.5	-
27-Jul-11	3	ka/44/a, uttor shahjadpur	gas riser	pucca	residential	Baridhara	after	0.05	0.5
27-Jul-11	14	plot-77, r-21, nikunja-2	electric line	pucca	commercial	Kurmitola	before	0.1	100
27-Jul-11	6	senanibash, signal gate	electric line	pucca	residential	Kurmitola	before	0.1	10
27-Jul-11	11	kaptan bazar	electric line	electric installa	road	Siddiq bazar	before	0.05	-
28-Jul-11	13	169, belayet road, senanibash	electric line	electric installa	road	Kurmitola	before	0.1	-
28-Jul-11	3	21, nobosishto, tejgao IA	machine	semi-pucca	industrial	Tejgaon	after	2	20
29-Jul-11	11	rasulpur, kamrangircar	cigarette	open space	road	Lalbag	after	0.1	-
29-Jul-11	10	135/36 mosjid market, 6 no. mirpur	electric line	pucca	commercial	Mirpur	after	0.5	3
29-Jul-11	11	tannary-r mor, boubazar, hazaribag	electric line	kutcha	slum	Mohammadp	after	15	20
30-Jul-11	10	75/2,uttor badda, risdel shopping center	electric line	pucca	commercial	Baridhara	after	8	50
30-Jul-11	6	khilgao, sipahibag, tempustand	gas line	gas installatio	road	Khilgaon	after	0.1	-
30-Jul-11	20	157/2, purbo ulan road, rampura	cigarette	semi-pucca	residential	Khilgaon	before	0.5	1
31-Jul-11	15	ta/171/1, moddho badda, gulshan	gas riser	pucca	residential	Baridhara	after	0.2	2
1-Aug-11	6	32 goli, 220 shahid nagar	gas line	under construc	under construct	Lalbag	after	0.015	-
1-Aug-11	15	matuail, medical road	electric line	pucca	residential	Demra	before	2	10
1-Aug-11	5	18, BCC road, thatari bazar	electric line	pucca	commercial	Siddiq bazar	after	3	5
1-Aug-11	10	skylark point, bijoy nagar	electric line	pucca	commercial	Siddiq bazar	before	0.01	10
1-Aug-11	13	312, purbo kazipara, mirpur	cigarette	pucca	residential	Mirpur	after	0.35	-
2-Aug-11	9	RAK tower, plot-1-er-a, sector-3, jashimuddin road, u	electric line	pucca	mixed	Tongi	after	8	30
2-Aug-11	26	41/a, sonathon gar, jhikatola	cigarette	open space	open space	Mohammadp	before	0.005	-
3-Aug-11	5	89/3, kakrail	electric line	pucca	commercial	Siddiq bazar	after	0.1	0.4
5-Aug-11	10	plot-1441, a. latif sorok, culsayed, purbo badda	gas riser	pucca	residential	Baridhara	after	0.1	1
5-Aug-11	20	5no. Polder street, wari	electric line	pucca	mixed	Siddiq bazar	before	0.2	1.5
5-Aug-11	6	571, purbo kazipara, kafrul,mirpur	electric line	pucca	mixed	Mirpur	after	0.01	0.05
6-Aug-11	10	82/a, r-3, mohammadia housing ltd.	weilding	under construc	under construct	Mohammadp	after	0.05	0.15
7-Aug-11	5	infront of commerce college, section 2, mirpur, dhaka	electric line	electric installa	road	Mirpur	after	0.05	
8-Aug-11	25	vashantek punorbashon, h-3/5, building-B/3	stove	pucca	residential	Kurmitola	before	-	-
9-Aug-11	3	sharulia, demra, karim jute mill	electric line	pucca	industrial	Demra	after	0.5	100
9-Aug-11	11	jonoshastho institute, mohakhali	electric line	pucca	public service	Tejgaon	after	2	5
9-Aug-11	12	30 no, boshupara, darus salam, mirpur, dhaka	stove	semi-pucca	industrial	Mirpur	after	3	5
10-Aug-11	6	awal center, banani, kamal ataturk avenue	electric line	pucca	commercial	Baridhara	after	10	50
10-Aug-11	3	plot-9, goribe newaz road, sector-13,uttara	electric line	pucca	public service	Tongi	before	0.1	0.5
10-Aug-11	3	296, dakkhin goran	electric line	pucca	residential	Khilgaon	after	0.5	5
13-Aug-11	5	r-17, h-74, block-e, banani	electric line	pucca	residential	Baridhara	before	0.02	0.1
13-Aug-11	4	86, nazimuddin road	electric line	pucca	residential	Siddiq bazar	before	0.01	5
13-Aug-11	8	93, DIT road, malibag, chowdhury para	electric line	pucca	industrial	Khilgaon	after	3.5	100
14-Aug-11	8	16/5, shamibag lane, notun rasta	gas cilinder	pucca	commercial	Postogola	before	0.3	1
14-Aug-11	2	mohakhali, sat(7) tola purbo para basti	electric line	electric installa	road	Tejgaon	before	0.2	3
15-Aug-11	13	1424, dakkhin dhonia	gas line	pucca	residential	Postogola	after	0.5	20
16-Aug-11		54, DIT road, moddho badda	electric line	semi-pucca	commercial	Baridhara	before	5	10
16-Aug-11	5	19, selina parvin sorok, mogbazar, wireless	electric line	electric installa	road	Tejgaon	after	2	5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
17-Aug-11	9	h-6, r-78, DOHS banani	electric line	pucca	residential	Baridhara	after	5	20
17-Aug-11	10	mirpur-1, dakkhin bisil, block-f		under construc	under construct	Mirpur	before	0.06	-
17-Aug-11	5	69/7, kazi nuruzzaman road, panthapath	cigarette	kutcha	residential	Mohammadp	after	0.03	0.1
19-Aug-11	2	plot-1383, hazi market, batara, badda	electric line	pucca	industrial	Baridhara	after	30	100
19-Aug-11	3	beside banani post office	gas line	gas installatio	road	Baridhara	after	0.002	-
19-Aug-11	11	city super market, moucak	gas riser	pucca	commercial	Khilgaon	before	5	15
19-Aug-11	13	86/a. atish diponkor road, dakkhin mugda	gas riser	pucca	residential	Khilgaon	after	0.2	0.5
20-Aug-11	11	5/3, campatoli, sowaryghat,cakbazar	gas cilinder	pucca	residential	Lalbag	before	0.03	0.5
22-Aug-11	10	49/2, west panthapath	electric line	pucca	commercial	Mohammadp	before	-	-
23-Aug-11	2	2/1, citto ronjon avenue, sadarghat	electric line	pucca	mixed	Sadarghat	after	3	20
24-Aug-11	5	158/1-ka, shah ali bag, mirpur-2	electric line	semi-pucca	residential	Mirpur	before	0.2	1
25-Aug-11	12	social islami bank, banani	electric line	pucca	commercial	Baridhara	after	3	10
25-Aug-11	9	1038/3, purbo monipur, section-2, mirpur	electric line	pucca	residential	Mirpur	before	0.1	0.5
26-Aug-11	16	kamrangir car, ali nagar	electric line	semi-pucca	industrial	Lalbag	after	2	10
26-Aug-11	6	82, central road, kathal bagan	electric line	pucca	commercial	Palashi	after	2	5
26-Aug-11	3	218, pori molla bag, postogola	electric line	pucca	commercial	Postogola	before	0.2	5
29-Aug-11	18	la/24, sri sri mohadeb mondir, nimtoli	electric line	pucca	public service	Baridhara	after	1	3
30-Aug-11	15	47, ka, nurbag, asrafabad, kamrangir car	electric line	pucca	residential	Lalbag	before	-	-
30-Aug-11	10	219, kutub khali, dhonia	gas riser	pucca	residential	Postogola	after	0.25	50
30-Aug-11	6	527, somobay somiti bazar, tejgao	electric line	kutcha	public service	Tejgaon	after	0.1	1.5
30-Aug-11	3	sector-13, h-8, r-5, uttara	electric line	pucca	residential	Tongi	before	0.1	0.5
31-Aug-11	4	65 no. dhaka city corporation market, nilkhet	electric line	semi-pucca	commercial	Palashi	after	0.2	2
31-Aug-11	11	90, dakkhin jatrabari,? khanka sharif road	electric line	electric installa	road	Postogola	after	0.5	100
31-Aug-11	14	damal cot bosti, hazi mogol road, lal sorai, mirpur-14	electric line	kutcha	slum	Mirpur	after	20	100
1-Sep-11	24	81, baunia matbor bari	electric line	pucca	residential	Kurmitola	after	20	30
2-Sep-11	7	89/3, hosne dalan, cakbazar	electric line	pucca	residential	Lalbag	after	3	10
2-Sep-11	22	gausul azom babupara super market, nilkhet	electric line	semi-pucca	commercial	Palashi	after	0.2	0.5
2-Sep-11	10	8 no. cerkit house road, 6 no. nowratan collony, 1/402	electric line	pucca	residential	Siddiq bazar	after	0.02	5
3-Sep-11	15	poshcim mollar tek, dakkhin khan	electric line	semi-pucca	residential	Tongi	after	0.1	0.5
3-Sep-11	5	a/3, main road, mirpur-14	cigarette	pucca	public service	Mirpur	after	0.2	-
4-Sep-11	7	h-2/a, r-24, gulshan-1	cigarette	pucca	residential	Baridhara	before	0.05	0.5
4-Sep-11	10	40/2, unicon plaza, north avenue, gulshan-2	electric line	pucca	commercial	Baridhara	after	10	30
5-Sep-11	19	r-1, senanibash	electric line	pucca	public service	Kurmitola	before	0.05	2
6-Sep-11	2	plot-1296, batara road, badda	electric line	semi-pucca	commercial	Baridhara	before	0.02	0.05
6-Sep-11	1	kabab ghar staff road, cant.	electric line	pucca	commercial	Kurmitola	after	-	-
6-Sep-11	9	karwan bazar, amor shah mosjid	electric line	pucca	public service	Tejgaon	after	0.02	0.2
7-Sep-11	5	57/7, purbo razar bazar, pantha path	stove	pucca	residential	Mohammadp	before	0.1	1
8-Sep-11	16	west side of matuail hospital	electric line	semi-pucca	residential	Postogola	before	1	5
8-Sep-11	3	23/24, tejgao IA	cigarette	semi-pucca	industrial	Tejgaon	after	0.5	5
9-Sep-11	8	11/1, toyenbi circular road	machine	semi-pucca	commercial	Siddiq bazar	after	0.5	3
10-Sep-11	10	4/1, gobinda das road, bongshal	chemical reaction	pucca	industrial	Siddiq bazar	after	10	4
11-Sep-11	9	plot-296, shadhinota soroni, uttor badda	electric line	semi-pucca	industrial	Baridhara	after	7	13
11-Sep-11	13	block-d, plot-a/1, r-2, boshundhara	electric line	semi-pucca	residential	Baridhara	after	2	5
11-Sep-11	2	sarulia, demra	cigarette	pucca	industrial	Demra	after	0.5	2
11-Sep-11	22	39/c, new paltan line, azimpur	cigarette	pucca	residential	Palashi	before	0.005	2
11-Sep-11	9	517/4/a, battelian, bou bazar, uttor ebrahimpur, kafrul	electric line	kutcha	commercial	Mirpur	after	0.6	5
11-Sep-11		west kafrul, 180/1, agargao, taltola	electric line	semi-pucca	residential	Mohammadp	before	0.03	0.5
12-Sep-11	7	34, dil khusha CA	electric line	pucca	commercial	Siddiq bazar	before	0.02	20
12-Sep-11	30	khan enterprize, 89, cakrabarti lane, armanitola	chemical reaction	pucca	commercial	Sadarghat	after	-	-
12-Sep-11	8	malibag,taltola, 302, member goli	electric line	pucca	residential	Khilgaon	after	0.2	100
13-Sep-11	5	90, water works, lalbag	electric line	pucca	residential	Lalbag	after	0.7	5
13-Sep-11	12	72/2, uttor manikdi, balughat, cant.	cigarette	pucca	residential	Kurmitola	before	0.015	5
13-Sep-11	16	in front of red cresent headquarter, mogbazar	electric line	electric installa	road	Tejgaon	after	0.05	0.2
14-Sep-11	9	108/3, bhagolpur lane, beri bandh, hazaribag	electric line	pucca	commercial	Palashi	after	0.05	0.2
14-Sep-11	15	10 no. motijhil, opposite of wapda bhabon	electric line	pucca	residential	Siddiq bazar	before	0.015	-
14-Sep-11	22	65/2, damal cot, senanibash	electric line	electric installa	road	Mirpur	before	0.03	-
15-Sep-11	9	plot-291, r-6, block-b, boshundhara RA	weilding	under construc	under construct	Baridhara	before	0.01	0.05
15-Sep-11	16	ka-104, poshcim par mosjid road,kalacadpur, gulshan-	electric line	pucca	industrial	Baridhara	after	10	50
16-Sep-11	9	6/14, campa tuli lane, sowary ghat, cakbazar	electric line	pucca	industrial	Lalbag	before	-	-
16-Sep-11	10	145. santinagar eastern shopping complex	electric line	pucca	commercial	Siddiq bazar	before	-	-
17-Sep-11	6	55/2,kaptan bazar	gas line	gas installatio	road	Siddiq bazar	after	0.01	-
17-Sep-11	3	municipal hawkers market, sadarghat	electric line	semi-pucca	commercial	Sadarghat	after	10	500
18-Sep-11	21	beside kalacadpur graveyard, gulshan-2	electric line	electric installa	road	Baridhara	before	0.025	-
18-Sep-11	2	beside lalbag fire station	electric line	pucca	commercial	Lalbag	after	0.1	0.4
18-Sep-11	7	20 central road, kalabagan	gas line	gas installatio	road	Palashi	before	0.02	-
18-Sep-11	12	32, old airport road, farmgate, dhaka	electric line	electric installa	road	Mohammadp	before	0.03	
19-Sep-11	2	10/c, hosne dalan road	electric line	electric installa	road	Siddiq bazar	before	0.006	-
20-Sep-11	5	beside S P L tower, tejgao IA	electric line	electric installa	road	Tejgaon	after	0.02	0.5
20-Sep-11	5	4/3 - 1, shukrabad, dhaka	electric line	pucca	residential	Mohammadp	before	0.1	0.5
21-Sep-11	15	110, bongram, wari street	electric line	electric installa	road	Sadarghat	before	0.2	-
22-Sep-11	7	crispy fast food, 345/3, sonarga road, hatir pul	electric line	pucca	mixed	Palashi	after	0.05	0.5
23-Sep-11	10	pora bosti, gonok tuli city collony,hazaribag	electric line	kutcha	residential	Palashi	before	0.05	0.2
23-Sep-11	5	abdullah pur, poshcim para, dakkhin khan, uttara	electric line	pucca	residential	Tongi	before	0.05	0.5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
24-Sep-11	16	h-14, r-16, sector-12, uttara	gas line	gas installatio	road	Tongi	before	0.01	-
24-Sep-11	11	h-10, jonopath road, sector-11, uttara	electric line	pucca	residential	Tongi	before	0.8	5
24-Sep-11	7	bangladesh coast guard, head quarter, agarga, dhaka	electric line	pucca	commercial	Mohammadp	before	0.5	2
25-Sep-11	6	53/2, moucak, malibag	electric line	pucca	commercial	Khilgaon	before	0.05	10
26-Sep-11	11	plot-13/14, r-16,17, shyampur IA	machine	pucca	industrial	Postogola	before	-	20
26-Sep-11	5	begunbari bazar, tejgao	gas cilinder	semi-pucca	commercial	Tejgaon	after	0.01	0.5
26-Sep-11	21	1/4, e, housing estate, section-11.5, mirpur	cigarette	under construc	under construct	Mirpur	before	0.005	0.02
27-Sep-11	5	121/ DIT plot, gendaria	gas cilinder	pucca	residential	Postogola	before	-	-
28-Sep-11	8	9 no. choto katra, cakbazar	electric line	pucca	commercial	Lalbag	before	0.5	1
28-Sep-11	1	77, west pantha path signal	weilding	under construc	under construct	Palashi	before	0.005	0.5
29-Sep-11	6	fasher tek road, batara, badda	cigarette	kutcha	commercial	Baridhara	after	7	5
29-Sep-11	6	237/1/a, hazi mobon ali sorok, purbo nakhal para	electric line	pucca	residential	Tejgaon	before	0.05	1
29-Sep-11	9	53, kolabagan 1st lane, dhaka	gas line	pucca	residential	Mohammadp	after	0.2	
30-Sep-11	8	33/ka, dakkhin badda	electric line	electric installa	road	Tejgaon	before	0.2	1
30-Sep-11	10	648/3-e, west kazipara	stove	pucca	residential	Mirpur	after	0.01	0.1
1-Oct-11	3	138, karimullar bag, postogola	electric line	electric installa	road	Postogola	before	0.02	-
1-Oct-11	4	1 no, shukrabad, aysha mansion, mirpur road, dhaka	electric line	pucca	commercial	Mohammadp	before	-	-
1-Oct-11	2	22/3, babor road, college gate, moh.pur	cigarette	semi-pucca	commercial	Mohammadp	after	1	2
1-Oct-11	6	99 no. kazi nazrul islam avenue, kawran bazar	electric line	pucca	commercial	Mohammadp	before	-	-
2-Oct-11	10	nolgola, cak bazar	stove	kutcha	residential	Lalbag	before	0.02	0.05
2-Oct-11	8	r-8, plot-16, shyampur, kadamtoli	electric line	kutcha	industrial	Postogola	before	0.05	10
2-Oct-11	9	80/a, kadomtola hirajhil, basabo	gas riser	pucca	residential	Khilgaon	before	0.2	-
2-Oct-11	15	729/c, khilgao, taltola	khola bati	semi-pucca	residential	Khilgaon	before	0.05	0.7
2-Oct-11	6	west side of hotel sonarga	cigarette	open space	road	Mohammadp	after	0.005	0.5
3-Oct-11	12	ali nagar koborosthan road, ahsan bag, kamrangir car	electric line	semi-pucca	industrial	Lalbag	after	4	10
3-Oct-11	14	205/4, begum rokeya soroni, agargao	cigarette	pucca	mixed	Mirpur	before	0.02	5
3-Oct-11	5	in front of tejga college	cigarette	open space	road	Mohammadp	after	0.05	-
4-Oct-11	7	kha/71, jogonnath road, norda, badda	electric line	semi-pucca	commercial	Baridhara	after	10	15
4-Oct-11	8	vawali, 4 no. gate, demra	cigarette	open space	open space	Demra	after	0.2	0.05
4-Oct-11	4	nilkhet, new market	electric line	pucca	commercial	Palashi	after	1	5
4-Oct-11	2	17/2/a, tilpara road, khilgao	weilding	under construc	under construct	Khilgaon	after	0.1	1
5-Oct-11	8	r-13, plot-23, shyampur IA, kadamtoli	electric line	pucca	industrial	Postogola	after	5	100
5-Oct-11	11	beri bandh road, section-1, mirpur	electric line	pucca	commercial	Mirpur	after	1	2.5
5-Oct-11	3	r-1, plot-16, senpara parbata, mirpur-10	electric line	pucca	residential	Mirpur	after	0.7	20
7-Oct-11	10	b-371, khilgao, taltola	electric line	pucca	residential	Khilgaon	after	3	5
8-Oct-11	18	24/2 no. shahid nagar, lalbag	electric line	semi-pucca	industrial	Lalbag	before	0.02	2
8-Oct-11	7	h-32, r-1, sector-6, uttara	electric line	pucca	residential	Tongi	before	0.5	1
10-Oct-11	9	r-2, gulshan	electric line	electric installa	road	Baridhara	after	0.1	1
10-Oct-11	11	uttor kutubkhali, kajla, jatrabari	electric line	semi-pucca	industrial	Demra	after	5	20
10-Oct-11	4	348/1, tejgao IA	electric line	pucca	industrial	Tejgaon	before	1	-
10-Oct-11	10	111/12, katasur, moh.pur	gas riser	pucca	residential	Mohammadp	before	0.1	-
11-Oct-11	5	vumi record o jorip adhidoptar', tejgao	electric line	pucca	commercial	Tejgaon	before	0.5	10
11-Oct-11	10	6/1, kallyanpur main road	electric line	pucca	residential	Mirpur	before	0.1	1.5
12-Oct-11	20	342/3, DIT road, moucak, malibag	electric line	pucca	residential	Khilgaon	before	-	-
13-Oct-11	12	r-23, block-k, hamidullah soroni	weilding	under construc	under construct	Baridhara	before	0.1	-
14-Oct-11	11	16, coto catra, near beribandh, cakbazar	electric line	semi-pucca	commercial	Lalbag	after	0.05	0.1
15-Oct-11	10	70/71, siddhessori	electric line	pucca	residential	Siddiq bazar	before	0.01	2
15-Oct-11	6	91/a no. purbo tejturi bazar	electric line	pucca	mixed	Mohammadp	after	2	3
16-Oct-11	10	26/1, golden tejturi bazar, tejgao	gas line	gas installatio	road	Mohammadp	before	-	-
17-Oct-11	8	23/1, shahjada mia lane, badamtoli, kotwali	electric line	semi-pucca	commercial	Sadarghat	after	10	100
17-Oct-11	8	GP-ka, 105/5, mohakhali dakkhin para	electric line	semi-pucca	residential	Tejgaon	after	1.5	5
18-Oct-11	2	B G press, tejgao	electric line	pucca	commercial	Tejgaon	after	-	-
18-Oct-11	10	h-22, r-8, sector-3, uttara	electric line	pucca	residential	Tongi	after	0.1	0.9
19-Oct-11	10	motijhil staff exchange building	electric line	pucca	commercial	Siddiq bazar	before	0.6	-
19-Oct-11	16	88/2, kadamtola, batara, khilgao	electric line	pucca	residential	Khilgaon	after	1	100
20-Oct-11	4	6 no. mirpur road	electric line	pucca	commercial	Palashi	before	-	-
21-Oct-11	6	46/a, VIP road, kakrail	electric line	pucca	commercial	Siddiq bazar	after	1	10
22-Oct-11	8	82, outer circular road, mogbazar, ramna	cigarette	pucca	residential	Tejgaon	before	0.03	5
22-Oct-11	11	north side of dhaka trade center, karwan bazar	electric line	electric installa	road	Tejgaon	before	0.2	1
22-Oct-11	30	purbo habaldia, beraed	electric line	kutcha	residential	Baridhara	after	5	5
23-Oct-11	7	matikata bazar, 45/a/3	electric line	pucca	residential	Kurmitola	before	0.05	0.5
23-Oct-11	7	east side of FDC, tejgao IA	electric line	pucca	commercial	Tejgaon	after	0.5	10
24-Oct-11	11	r-63, h-30, gulshan-2	electric line	pucca	residential	Baridhara	before	0.5	1
24-Oct-11	5	22/6/1, moddho kuni para, tejgao IA	gas line	gas installatio	road	Tejgaon	after	0.05	-
24-Oct-11	21	dakkhin khan bazar, chairman market, dakkhin khan	electric line	pucca	commercial	Tongi	after	4	6
24-Oct-11	6	72, sat mosjid road	electric line	pucca	commercial	Mohammadp	before	0.05	1.5
25-Oct-11	14	r-5, nikunja a.., khilkhaet	electric line	semi-pucca	mixed	Kurmitola	after	3	20
25-Oct-11	10	nikunja-2, r-13, h-6	electric line	pucca	residential	Kurmitola	before	0.05	0.1
25-Oct-11	15	plot-29, sector-13, sonarga jonopath road, uttara	electric line	electric installa	road	Tongi	after	1.6	3
25-Oct-11	6	175, dakkhin goran	electric line	pucca	residential	Khilgaon	before	0.005	5
26-Oct-11	7	34/c/1, dakkhin badda	electric line	kutcha	commercial	Tejgaon	after	4.5	7
26-Oct-11	8	115/17, kristian para, dakkhin mohakhali	electric line	pucca	residential	Tejgaon	after	0.1	0.5
26-Oct-11	8	switch gate, sector-10, uttara	stove	kutcha	residential	Tongi	after	2.7	3

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
26-Oct-11	8	32, 33, uttor basabo, sobuj bag	electric line	pucca	commercial	Khilgaon	after	1	5
27-Oct-11	13	kajla par, mojaffor road, jatrabari	electric line	semi-pucca	commercial	Postogola	after	2	20
28-Oct-11	5	ma-motor workshop, lalbag	electric line	pucca	commercial	Lalbag	after	0.05	0.25
29-Oct-11	4	lalbag shahi mosjid market	electric line	electric installa	road	Lalbag	after	0.025	-
29-Oct-11	10	282/2-a, 'sohana house', monipur, mirpur	electric line	pucca	residential	Mirpur	before	0.03	0.15
30-Oct-11	3	227/1, uttor jurain, shyampur	electric line	electric installa	road	Postogola	after	0.05	0.5
30-Oct-11	8	40/1, notun jurain, k. ali sorok	electric line	pucca	industrial	Postogola	after	3	100
30-Oct-11	15	behind kornofuli garden city	gas line	gas installatio	road	Siddiq bazar	before	0.005	-
31-Oct-11		korail bosti, jamai bazar, north side	stove	kutcha	slum	Baridhara	before	0.3	0.5
31-Oct-11	3	3 no. simson road, sadarghat	electric line	pucca	commercial	Sadarghat	after	0.2	0.5
31-Oct-11	7	704/ka, boro mogbazar, taltola	electric line	pucca	mixed	Tejgaon	after	4	6
1-Nov-11	12	21/1, purana paltan	cigarette	pucca	commercial	Siddiq bazar	before	0.05	5
1-Nov-11	3	109/1/12, purbo patwary goli	gas cilinder	pucca	residential	Khilgaon	after	0.5	2
1-Nov-11	10	93, kazi nazrul islam avenue, karwan bazar	electric line	pucca	public service	Mohammadp	before	0.05	2
3-Nov-11	5	trade center market, gulistan	cigarette	pucca	commercial	Siddiq bazar	before	0	-
4-Nov-11	11	97, modarpur madrasa road	electric line	semi-pucca	residential	Postogola	before	0.1	5
5-Nov-11	11	nakhalpara, south side of M p hostel, near chapra mos	electric line	electric installa	road	Tejgaon	after	0.02	0.2
5-Nov-11	16	236/1, wasa road, shewrapara, mirpur	electric line	pucca	residential	Mirpur	before	0.1	0.3
5-Nov-11	3	4/6, solimullah road, d-block, moh.pur	gas line	pucca	residential	Mohammadp	before	0.05	-
6-Nov-11	8	67/68, karwan bazar	stove	semi-pucca	residential	Tejgaon	after	8	20
6-Nov-11	11	333/1 west shewrapara, mirpur	gas line	gas installatio	road	Mirpur	after	0.15	-
6-Nov-11	9	10/3, katasur, moh.pur	gas cilinder	pucca	mixed	Mohammadp	after	0.01	0.8
7-Nov-11	5	9/1, agasadek road, bongshal	electric line	pucca	industrial	Siddiq bazar	before	-	-
7-Nov-11	6	741 no. moddho monipur, mirpur-2	electric line	semi-pucca	industrial	Mirpur	before	0.2	10
7-Nov-11	12	agargao pass port office	cigarette	open space	public service	Mohammadp	before	0.1	0.6
8-Nov-11	11	ka-43-er a, norda baridhara	electric line	semi-pucca	commercial	Kurmitola	after	1	5
8-Nov-11	10	957, moddho monipur, mirpur	electric line	pucca	residential	Mirpur	before	0.01	0.05
9-Nov-11	30	cakda steel and rerolling mill, rasulpur, pagla, narayan	stove	kutcha	industrial	Postogola	before	0.7	-
9-Nov-11	8	h-248, r-6, mohammadia housing ltd.	electric line	pucca	mixed	Mohammadp	before	0.01	0.1
10-Nov-11	25	53/2, monoshor road, tennary, jigatola	electric line	kutcha	commercial	Mohammadp	after	0.2	5
11-Nov-11	3	new market	electric line	pucca	commercial	Palashi	after	3	10
11-Nov-11	55	block-f, r-8, bonosri, rampura	electric line	electric installa	road	Khilgaon	after	0.15	30
12-Nov-11	10	h-11, r-33, gulshan-1	electric line	pucca	mixed	Baridhara	before	1	2
12-Nov-11	10	rasul nagar, sharulia	unknown	kutcha	commercial	Demra	before	0.2	0.5
12-Nov-11	10	block-a, r-4, h-14/16, mirpur-1	stove	pucca	residential	Mirpur	before	0.05	0.3
12-Nov-11	6	bot tola, abu shahid bosti	electric line	kutcha	residential	Mohammadp	after	0.05	0.1
13-Nov-11	11	ga-21/1, shahjadpur, baridhara	coel	semi-pucca	commercial	Baridhara	before	-	-
13-Nov-11	13	lohar bridge, kamrangircar	cigarette	open space	open space	Lalbag	after	0	-
14-Nov-11	8	341/1, free school street, hatirpul	gas line	pucca	residential	Palashi	before	0.025	-
14-Nov-11	10	top khana road, segun bagica	gas line	gas installatio	road	Siddiq bazar	after	0.007	-
14-Nov-11	13	30, lake circus, kalabagan		under construc	under construct	Mohammadp	before	0.3	-
15-Nov-11		60, ga/1, meradia, noya bari	electric line	semi-pucca	residential	Khilgaon	after	-	-
16-Nov-11	8	98, shahid soroni, dhaka sena nibash	electric line	pucca	commercial	Kurmitola	before	0.02	5
16-Nov-11	10	bay tower, 50, mohakhali	cigarette	pucca	commercial	Tejgaon	before	0.02	3
17-Nov-11	7	bangladesh socibaloy, sikkha montronaloy	electric line	pucca	commercial	Siddiq bazar	before	0.25	-
17-Nov-11	10	pantha path, in front of boshundhara city	electric line	electric installa	road	Tejgaon	after	0.03	0.2
17-Nov-11	7	sector-3, r-2, h-28/a, uttara	gas riser	pucca	commercial	Tongi	after	0.7	2
17-Nov-11	2	13/d, 1/08, mirpur-13	gas line	pucca	residential	Mirpur	before	0.5	-
17-Nov-11	10	h-106/a, mohammadia housing society	electric line	pucca	industrial	Mohammadp	before	0.05	5
18-Nov-11	5	98, nasir uddin sardar lane, kolta bazar, sutrapur	electric line	pucca	residential	Sadarghat	after	1	30
19-Nov-11	18	177, borhanpur, hazaribag road	stove	kutcha	residential	Palashi	before	0.3	0.5
19-Nov-11	15	mogol nagar, washkorni road, uttor matuail	cigarette	semi-pucca	industrial	Postogola	before	0.005	-
19-Nov-11	10	plot-14, sector-9, chairman bari road, abdullah pur, utt	machine	semi-pucca	commercial	Tongi	before	2	2
19-Nov-11	20	2 no. monesshor, jigatola	stove	under construc	under construct	Mohammadp	after	0.1	
21-Nov-11	3	45 no. lalbag road	electric line	pucca	residential	Lalbag	after	1	10
21-Nov-11	12	kazir gao, matuail	electric line	kutcha	commercial	Demra	before	0.2	0.5
21-Nov-11	5	42/1 no. shegun bagica	gas cilinder	pucca	residential	Siddiq bazar	after	0.05	5
21-Nov-11	4	131, tejgao IA	electric line	pucca	industrial	Tejgaon	before	0.5	5
21-Nov-11	6	202 no. tin shed collony, section-13, mirpur	electric line	semi-pucca	residential	Mirpur	before	0.01	0.03
21-Nov-11	5	tekka para, 19/b/3, chapramoshjid,moh.pur	gas line	gas installatio	road	Mohammadp	after	0.005	-
22-Nov-11	5	r-99, h-23/3, gulshan-2	electric line	pucca	residential	Baridhara	after	0.1	20
22-Nov-11	6	72/3, cakbazar circular road, cakbazar	electric line	pucca	commercial	Lalbag	before	2	5
22-Nov-11	15	48/1, uda girls hotel, shongkor, dhanmondi, dhaka	electric line	pucca	residential	Mohammadp	before	0.2	-
23-Nov-11	10	sector-3, plot-33, uttara	electric line	pucca	industrial	Tongi	after	45	250
23-Nov-11	16	beside kodomtola modern high school, sobujbag	cigarette	under construc	under construct	Khilgaon	before	0.05	0.1
25-Nov-11	3	134/2, aga sadek road	electric line	pucca	residential	Siddiq bazar	before	0.2	0.5
25-Nov-11	16	sector-6, r-13, h-33, uttara	coel	semi-pucca	commercial	Tongi	before	0.02	0.05
26-Nov-11	8	h-9, park road, baridhara	weilding	pucca	residential	Baridhara	before	0.02	0.1
26-Nov-11	15	sector-4, r-7, h-17/b, uttara	electric line	pucca	residential	Tongi	before	0.8	5
27-Nov-11	11	sayedabad, dakkhin khan, uttara	gas riser	semi-pucca	industrial	Tongi	after	2.5	4
28-Nov-11	15	dogair, sarulia, demra	electric line	pucca	residential	Demra	after	0.5	2
28-Nov-11	9	purbo dholai par, shyampur	stove	kutcha	commercial	Postogola	after	0.1	1
28-Nov-11	21	42/2, purbo rampura, vuiyar goli	cigarette	open space	industrial	Khilgaon	before	0.01	5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
29-Nov-11	5	399/1/a, khilgao cou rasta	electric line	pucca	mixed	Khilgaon	after	15	100
29-Nov-11	6	mirpur hall, mirpur senanibash, mirpur-12	electric line	pucca	commercial	Mirpur	after	-	-
29-Nov-11	8	gimi culture housing society,shyamolly,moh.pur	electric line	pucca	residential	Mohammadp	before	0.05	0.2
30-Nov-11	15	hazi sardar market, beri bandh, hazari bag	cigarette	pucca	commercial	Palashi	after	0.005	-
1-Dec-11	10	r-11, plot-15, kadamtoli IA, shyampur	electric line	kutcha	industrial	Postogola	after	40	500
1-Dec-11	8	621/1, purana paltan	electric line	pucca	commercial	Siddiq bazar	before	0.5	5
1-Dec-11	16	125/6, dakkhin mugda para, kamlapur	electric line	semi-pucca	residential	Khilgaon	after	1	5
2-Dec-11	5	noya paltan, in front of orcid plaza	gas line	gas installatio	road	Siddiq bazar	after	0.2	-
2-Dec-11	5	11/1, shahid nazrul islam soroni, bijoy nagar	electric line	semi-pucca	commercial	Siddiq bazar	after	2	10
2-Dec-11	10	r-12, sector-12, uttara	gas line	gas installatio	road	Tongi	after	0.2	-
2-Dec-11	5	10/a, 6/2, D C lab daigonostic center	electric line	pucca	public service	Mirpur	before	0.5	1.5
3-Dec-11	3	24, bongobondhu avenue, bata show room	electric line	pucca	commercial	Siddiq bazar	after	in	in
3-Dec-11	7	1 no. esshor das lane, peridas road	electric line	pucca	residential	Sadarghat	after	0.3	5
3-Dec-11	17	86/1, goj mohon, hazaribag	chemical reaction	pucca	commercial	Mohammadp	before	-	-
4-Dec-11	23	lane-14, purlon RA, uttor badda	electric line	kutcha	industrial	Baridhara	after	3	2
4-Dec-11	12	beri bandh, kamrangir car	cigarette	open space	open space	Palashi	after	0	-
4-Dec-11	6	new eskaton road	electric line	kutcha	public service	Siddiq bazar	before	0.05	1
4-Dec-11	10	h-377, r-28, new DOHS mohakhali		pucca	residential	Tejgaon	after	3	10
5-Dec-11	7	12 no. kamal ataturk avenue, gulshan-2	electric line	pucca	residential	Baridhara	before	0.5	1
7-Dec-11	7	beri bandh, lalbag	cigarette	open space	open space	Lalbag	after	0	-
7-Dec-11	9	kajol, demra road, jatrabari	stove	semi-pucca	industrial	Demra	after	0.2	5
7-Dec-11	16	h-5, lane-1/a, block-d, mirpur-12	electric line	semi-pucca	residential	Mirpur	before	0.002	0.01
8-Dec-11	5	plot-10, gulshan-2, taher tower	electric line	pucca	commercial	Baridhara	after	1	10
8-Dec-11	26	koborostan road, gobinda pur, matuail	electric line	semi-pucca	industrial	Postogola	after	2	50
8-Dec-11	6	sector-3, plot-84,uttara	electric line	pucca	mixed	Tongi	after	3	4
9-Dec-11	9	10 no. horicaran ray road, faridabad	electric line	semi-pucca	commercial	Postogola	after	0.2	10
9-Dec-11		mia bari, purbo dholai par	electric line	semi-pucca	industrial	Postogola	after	0.05	5
9-Dec-11	15	h-856, baytul aman housing, adabor	electric line	pucca	residential	Mohammadp	before	0.1	1
10-Dec-11	3	10/11, waiz ghat, patuatuli	cigarette	pucca	commercial	Sadarghat	after	0.1	500
11-Dec-11	40	h-10, r-11, dakkhin bonosree	electric line	pucca	residential	Khilgaon	before	0.5	-
11-Dec-11	11	4/c, monipuri para, tejgao	stove	pucca	residential	Mohammadp	before	0.05	2
12-Dec-11	5	matuail dakkhin para, college road, jatrabari	electric line	semi-pucca	industrial	Demra	after	5	3
12-Dec-11	10	behind sakura bar and restaurent hotel, near ruposhi b	gas line	gas installatio	road	Siddiq bazar	before	0.15	-
12-Dec-11	6	61 no. sikkatuli	electric line	pucca	industrial	Siddiq bazar	after	0.2	5
12-Dec-11	9	73, radhika mohon boshak lane, tati bazar	electric line	pucca	residential	Sadarghat	before	1	1
13-Dec-11	15	52/1, hohra bad, darus salam, mirpur	electric line	kutcha	residential	Mirpur	before	0.3	0.9
14-Dec-11	7	plot-d-19, r-2, section-7, jhilpar bosti,mirpur	electric line	kutcha	slum	Mirpur	after	10	30
15-Dec-11	10	h-15, block-a, boshundhara RA, baridhara	electric line	pucca	residential	Baridhara	before	0.5	1
17-Dec-11	2	190, baklane bad road, bangladesh nou-jan sramik lea	cigarette	kutcha	residential	Sadarghat	after	2	15
17-Dec-11	10	168 no. madartek, sobujbag	cigarette	pucca	residential	Khilgaon	after	0.05	0.1
18-Dec-11	13	ali ghat, cakbazar	cigarette	open space	open space	Lalbag	after	0.01	-
18-Dec-11	4	22, umesh datto road, bokshi bazar, cakbazar	electric line	pucca	residential	Lalbag	after	0.2	5
18-Dec-11	10	20/4, begum rokeya soroni, mirpur	electric line	pucca	public service	Mirpur	before	0.05	0.1
18-Dec-11	10	15/2, momtaj manson, mirpur road, shyamolly	electric line	pucca	industrial	Mohammadp	after	-	-
18-Dec-11	10	building-8, moh.pur housing estate, kazi nazrul islam r	gas riser	pucca	residential	Mohammadp	after	0.05	0.5
21-Dec-11	8	lohar bridge, kamrangircar	cigarette	open space	road	Lalbag	after	0	-
22-Dec-11	16	h-34, r-4, DIT project, moddho badda	coel	kutcha	commercial	Baridhara	before	0.1	2
22-Dec-11	15	shahid nagar, 1 no. goli, lalbag	stove	kutcha	residential	Lalbag	after	1.5	3
23-Dec-11	5	h-5, r-104, gulshan	insulin pipe	pucca	public service	Baridhara	before	0.5	1
23-Dec-11	5	m/s ahmed bawani jute mill, demra		semi-pucca	industrial	Demra	after	0.5	5
24-Dec-11	5	bongobhabon, near 3 no. gate	electric line	pucca	residential	Siddiq bazar	before	0.05	0.2
24-Dec-11	11	toma centre, kakrail mor	cigarette	under construc	under construct	Siddiq bazar	after	0.02	0.1
26-Dec-11	6	64/b, malibag chowdhury para	weilding	under construc	under construct	Khilgaon	after	0.2	1
27-Dec-11	4	ka/70, progoti soroni, kuril, badda	cigarette	open space	open space	Baridhara	before	0.01	0.1
27-Dec-11	6	53/b, science lab, mirpur road	gas line	pucca	residential	Palashi	before	-	-
27-Dec-11	5	20, hair road, kakrail	electric line	pucca	commercial	Siddiq bazar	before	-	-
27-Dec-11	21	40, noya paltan	cigarette	pucca	residential	Siddiq bazar	before	0	-
27-Dec-11	25	12/1/ka, jashimuddin road, kamlapur	electric line	pucca	residential	Khilgaon	before	1	-
28-Dec-11	18	118, sher-e-bangla road, hazaribag	electric line	pucca	industrial	Palashi	after	3	100
28-Dec-11	11	eskaton road, officers' quarter, mollika-8	electric line	pucca	residential	Siddiq bazar	before	0.2	-
28-Dec-11	9	491, wireless gate, mogbazar	machine	semi-pucca	industrial	Tejgaon	before	0.1	2
29-Dec-11	8	h-227/ka, kuril, badda	electric line	pucca	residential	Baridhara	before	0.2	-
29-Dec-11	11	kotailbosti math (lake par), banani	coel	kutcha	slum	Baridhara	after	13.4	18.5
31-Dec-11	11	280/2, shahid nagar, 2 no.goli,lalbag	gas riser	pucca	residential	Lalbag	after	0.05	0.1
31-Dec-11	8	azampur over bridge, uttara	electric line	electric installa	road	Tongi	after	0.1	0.5
31-Dec-11	7	198/1, khilgao cou rasta	electric line	pucca	residential	Khilgaon	after	0.5	1
31-Dec-11	10	desh pharma, dipo office, block-d, r-8, section-11.5, p	electric line	pucca	commercial	Mirpur	after	0.2	1
1-Jan-12	16	quarter, near civil aviation	cigarette	pucca	public service	Kurmitola	after	-	-
1-Jan-12	5	habibullah super market, jurain railgate	electric line	kutcha	commercial	Postogola	after	0.3	100
1-Jan-12	5	shek mujib medical, shahbag	cigarette	pucca	public service	Siddiq bazar	after	0	-
1-Jan-12	7	modina nagar, ave-5, lane-24/1, h-7, pallabi	gas cilinder	pucca	residential	Mirpur	after	0.005	0.15
2-Jan-12	7	42/1, lal can, mukim lane, tipu sultan road	electric line	pucca	mixed	Sadarghat	before	0.05	5
2-Jan-12	4	23/1, cort house street	gas line	pucca	commercial	Sadarghat	before	0.1	10

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
2-Jan-12	11	adabor, in fron of japan garden city	cigarette	kutcha	commercial	Mohammadp	after	0.02	10
3-Jan-12	35	purbo azampur, dakkhin khan	electric line	pucca	commercial	Tongi	after	1	2
5-Jan-12	10	103/2, uttor badda	coel	kutcha	industrial	Baridhara	after	80	200
5-Jan-12	6	585/a/c, malibag, chowdhury para	electric line	pucca	residential	Khilgaon	after	15	200
6-Jan-12	3	h-4, dutabas road, baridhara	electric line	pucca	residential	Baridhara	before	1	5
6-Jan-12	7	jail gate, lalbag	electric line	electric installa	road	Lalbag	before	0.1	-
6-Jan-12	6	dayra sharif, 2 no gate, azimpur	electric line	electric installa	road	Palashi	before	-	-
6-Jan-12	6	north side of bongo bhabon	electric line	electric installa	road	Siddiq bazar	after	0.1	0.3
6-Jan-12	17	h-41, r-8, sector-13, uttara	electric line	semi-pucca	commercial	Tongi	before	1	3
6-Jan-12	10	1/ GA center, bashabo	gas line	pucca	residential	Khilgaon	after	1	100
7-Jan-12	6	1282 no. purbo noyanagar,basher tek road, badda	electric line	kutcha	commercial	Baridhara	after	1.5	2
8-Jan-12	5	dhaka medical, burn unit	cigarette	pucca	public service	Siddiq bazar	before	0	-
9-Jan-12	5	in front of kofiluddin CNG pump, jurain	electric line	electric installa	road	Postogola	after	0.06	-
9-Jan-12	15	22, uttor kutubkhali, jatrabari	gas riser	pucca	residential	Postogola	after	0.02	50
9-Jan-12	4	ansary bhabon, topkhana road	electric line	pucca	residential	Siddiq bazar	before	0.1	-
9-Jan-12	15	patla khan lane, courasta, sadarghat	electric line	electric installa	road	Sadarghat	after	0.3	2
9-Jan-12	20	1137/1, purbo monipur, mirpur	electric line	pucca	residential	Mirpur	before	0.3	1.5
9-Jan-12	5	145, monipuri para, puraton biman bondor road	electric line	electric installa	road	Mohammadp	after	0.02	-
10-Jan-12	10	north south university, plot-15, block-b, boshundhara	electric line	pucca	public service	Baridhara	before	0.1	1
10-Jan-12	6	jatrabari mor	electric line	electric installa	road	Postogola	after	0.005	0.5
10-Jan-12	5	1414/a, khilgao courasta, beside model school	gas riser	pucca	residential	Khilgaon	after	0.25	20
11-Jan-12	6	west side of DCC market, gulshan-1	electric line	electric installa	road	Baridhara	after	0.1	1
11-Jan-12	7	side of gulshan lake, near mohakhali square bhabon	electric line	electric installa	road	Tejgaon	after	0.2	2
11-Jan-12	11	plot-201, r-12, block-e, section-12, mirpur	electric line	pucca	residential	Mirpur	after	0.15	0.4
13-Jan-12	5	plot-ga-105, moddho badda	electric line	pucca	commercial	Baridhara	before	1	2
13-Jan-12	2	sharulia bazar, demra	stove	kutcha	mixed	Demra	after	0.2	0.5
13-Jan-12	10	2 no, new eskaton road	cigarette	semi-pucca	industrial	Tejgaon	before	-	-
13-Jan-12	20	dakkhin paik para, bot tola	cigarette	open space	open space	Mirpur	after	3.5	4.5
14-Jan-12	10	basic bank ltd., bon shilpo bhabon, 73, motijheel	electric line	pucca	commercial	Siddiq bazar	before	1	100
15-Jan-12	8	96/1, islambag, lalbag	electric line	semi-pucca	industrial	lal, pala	after	8	20
15-Jan-12	20	225/2, modhu bazar, r-19, puraton west dhanmondi	electric line	pucca	residential	Mohammadp	before	0.01	0.5
16-Jan-12	5	4 no, dilkusha, bank of asia	electric line	pucca	commercial	Siddiq bazar	before	0.25	10
16-Jan-12	2	34/2, senpara porbota, mirpur	stove	semi-pucca	residential	Mirpur	before	0.01	0.1
17-Jan-12	10	J N shaha road, lalbag	electric line	semi-pucca	mixed	Lalbag	after	33	50
18-Jan-12	17	171, bongshal road	electric line	electric installa	road	Siddiq bazar	before	-	-
18-Jan-12	5	rain a mabud' tower, 105/7, islampur	gas line	pucca	residential	Sadarghat	before	0.2	5
19-Jan-12	10	253/54, katabon	electric line	pucca	commercial	Palashi	after	1	10
19-Jan-12	21	haven fashion, 471/1, dakkhin paikpara, mirpur	electric line	pucca	commercial	Mohammadp	before	0.03	50
20-Jan-12	15	aminbag, cad moshjid road, kamrangir char	electric line	semi-pucca	industrial	Lalbag	before	0.5	40
20-Jan-12	11	arambag sporting club, arambag, motijheel	electric line	pucca	public service	Siddiq bazar	before	-	-
20-Jan-12	6	80 motijheel CA	electric line	pucca	commercial	Siddiq bazar	after	2	5
20-Jan-12	10	sector-7, road-26, uttara	electric line	electric installa	road	Tongi	before	0.2	3
20-Jan-12	2	1/6, block-b, lalmatia	electric line	pucca	residential	Mohammadp	after	0.5	50
21-Jan-12	3	70/71 no, city corporation market, nilkhet	electric line	semi-pucca	commercial	Palashi	before	0.005	1
21-Jan-12	5	khamar bari krishi somprosharon office	electric line	pucca	commercial	Mohammadp	before	0.05	-
22-Jan-12	11	in front of tejga thana	gas line	gas installatio	road	Mohammadp	before	0.015	-
23-Jan-12	6	plot-7, r-20, shyampur, kadamtoli IA	electric line	semi-pucca	industrial	Postogola	after	0.05	10
23-Jan-12	8	169, shahid nazrul islam soroni	electric line	pucca	commercial	Siddiq bazar	after	1	50
23-Jan-12	11	amin md. Group,green pitch, 4 no, camely bag, shanti	cigarette	pucca	commercial	Siddiq bazar	before	0.05	10
23-Jan-12	15	65/a, manik nagar	electric line	semi-pucca	residential	Khilgaon	before	0.5	1
24-Jan-12	1	3 no khaje dewan road-er 2nd lane	stove	pucca	residential	Lalbag	before	0.1	-
24-Jan-12	15	purbo bokshi nagar, sharulia, demra	gas riser	pucca	residential	Demra	after	0.2	500
24-Jan-12	11	dhanmondi 16/a, puraton 27	electric line	pucca	commercial	Mohammadp	after	0.01	10
25-Jan-12	8	121 ,gulshan-2, hawlader complex	electric line	pucca	mixed	Baridhara	after	5	10
26-Jan-12	10	24, 25, dilkhusha, motijheel	cigarette	pucca	commercial	Siddiq bazar	before	0.005	-
26-Jan-12	8	h-3, r-3, mohammadi housing	electric line	pucca	commercial	Mohammadp	before	1	2
27-Jan-12	14	90, kakrail	electric line	pucca	commercial	Siddiq bazar	after	0.6	10
27-Jan-12	4	18, purana paltan	electric line	pucca	residential	Siddiq bazar	after	3	10
28-Jan-12	13	74/c, mohakhali, dakkhin para	gas cilinder	pucca	residential	Tejgaon	after	0.1	2
28-Jan-12	20	15/d, jikatola, near japan friendship hospital	weilding	pucca	residential	Mohammadp	after	0.1	0.5
29-Jan-12	3	sukushi, sahrulia, demra	electric line	kutcha	industrial	Demra	after	15	10
29-Jan-12	10	51/1, new elephant road	cigarette	pucca	commercial	Palashi	after	0	-
29-Jan-12	9	11, purana paltan	stove	pucca	commercial	Siddiq bazar	before	0.02	-
29-Jan-12	6	97, DIT road, rampura	electric line	electric installa	road	Khilgaon	before	0.2	1
29-Jan-12	8	76/a, kazi nazrul islam avenue, farmgate	cigarette	open space	commercial	Mohammadp	before	0	-
31-Jan-12	8	bongobondhu medical (PG), shahbag	stove	pucca	public service	Palashi	before	0.4	-
31-Jan-12	26	1/1/g, uttor jatrabari, bibir bagica	gas cilinder	pucca	residential	Postogola	after	0.1	200
2-Feb-12	5	sharulia bazar, demra	electric line	kutcha	commercial	Demra	after	3	15
2-Feb-12	6	edle garden, shorastro montronaloy, bhabon-8	electric line	pucca	commercial	Siddiq bazar	before	0.005	0.05
2-Feb-12	38	76/a, kazi nazrul islam avenue, farmgate	electric line	pucca	commercial	Tejgaon	after	0.2	10
2-Feb-12	10	ati para, uttor khan	cigarette	open space	residential	Tongi	after	0.3	0.4
2-Feb-12	9	7/e, west hazipara, rampura	cigarette	pucca	residential	Khilgaon	before	0.005	-
2-Feb-12	21	52, moddho nondi para, shobuj bag, khilgaon	stove	semi-pucca	residential	Khilgaon	after	5	1

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
3-Feb-12	5	223, tejgao IA	electric line	pucca	public service	Tejgaon	after	1.5	3
4-Feb-12	6	19 no, kotwali road, sadarghat	electric line	pucca	commercial	Sadarghat	before	0.5	10
4-Feb-12	10	309, calabon, dakkhin khan		under construc	under construct	Tongi	before	-	-
4-Feb-12	25	53/1, west rampura, ulol road	gas cilinder	pucca	residential	Khilgaon	after	0.05	0.5
5-Feb-12	8	uttor ali nagar, borogram, kamrangir car	electric line	semi-pucca	industrial	Lalbag	after	3	4
5-Feb-12	7	caitaly rojonigondha, cant.	electric line	pucca	residential	Kurmitola	after	0.05	20
5-Feb-12	8	armanitola school health clinic	electric line	pucca	public service	Siddiq bazar	after	0.1	1
5-Feb-12	9	376, modhubag, mogbazar	electric line	pucca	mixed	Tejgaon	after	1.5	3
6-Feb-12	2	kholapara bazar, duldulia, demra	electric line	kutcha	commercial	Demra	after	5	2
6-Feb-12	12	38, purbo jurain, 1 no shorok, daroga bari	electric line	pucca	industrial	Postogola	after	0.2	0.5
6-Feb-12	12	51, rosulbag, mohakhali	cigarette	semi-pucca	commercial	Tejgaon	before	0	10
6-Feb-12	6	h-68, r-54, block-b, section-2, mirpur	electric line	pucca	public service	Mirpur	after	5	2
6-Feb-12	10	babylon germents, 2/b, darus salam,mirpur	electric line	pucca	industrial	Mirpur	before	-	-
7-Feb-12	11	ka-185, kuril, miabari road	cigarette	kutcha	commercial	Baridhara	after	8	20
7-Feb-12	13	log area, shoinik line, behind captain's bekary	electric line	pucca	mixed	Kurmitola	before	0.05	10
7-Feb-12	3	73/a, central road, dhanmondi	gas line	gas installatio	road	Palashi	after	0.05	20
7-Feb-12	5	khilgao, north side of aman ullah market	cigarette	kutcha	commercial	Khilgaon	after	0.5	2
7-Feb-12	15	140, moddho basabo	electric line	pucca	residential	Khilgaon	before	0.03	3
7-Feb-12	5	block-b, 4/ka, section-11, mirpur	coel	semi-pucca	residential	Mirpur	before	0.2	0.3
7-Feb-12	19	56/1, block-c, road-3, mirpur	machine	pucca	industrial	Mirpur	before	0.02	25
7-Feb-12	3	25, senpara parbota, section-6,, mirpur	cigarette	under construc	under construct	Mirpur	after	0.03	0.1
8-Feb-12	15	69/a, noya nagar, jatrabari	gas line	pucca	residential	Demra	after	0.005	5
8-Feb-12	5	9, shegun bagica	cigarette	under construc	under construct	Siddiq bazar	after	0.03	0.2
8-Feb-12	10	20, new eskaton, bangla motor, eastern tower	stove	pucca	commercial	Siddiq bazar	after	0.25	10
8-Feb-12	15	850, ebrahimpur bazar, mosjid road, kafrul	gas line	gas installatio	road	Mirpur	before	0.01	-
8-Feb-12	8	916, ebrahimpur, kafrul	electric line	semi-pucca	commercial	Mirpur	after	1	4
9-Feb-12	11	h-2, r-2, nikunja-2, khilkhet	gas line	gas installatio	road	Kurmitola	after	0.01	-
9-Feb-12	5	h-3, r-1, sector-6, uttara	electric line	pucca	residential	Tongi	after	3.5	9
9-Feb-12	30	822/a, shewrapara, mirpur	electric line	semi-pucca	commercial	Mirpur	before	5	100
10-Feb-12	30	446/E F G tejgao IA	electric line	pucca	commercial	Tejgaon	after	30	500
10-Feb-12	10	18 sector, uttara	gas line	gas installatio	road	Tongi	after	0.05	0.5
11-Feb-12	10	beside senakunjo, in jungle	cigarette	open space	open space	Kurmitola	before	0	
11-Feb-12	18	122/6/20 uttor mugda	gas line	pucca	residential	Khilgaon	after	0.05	0.5
12-Feb-12	14	plot-101/2, r-6/A, purbo batara, badda	stove	semi-pucca	commercial	Baridhara	after	2	5
12-Feb-12	2	245/C ACI center, tejgao IA	electric line	pucca	industrial	Tejgaon	before	0.01	0.5
12-Feb-12	4	r-3, block-a, section-11, mirpur	electric line	electric installa	road	Mirpur	after	0.01	
12-Feb-12	11	h-8,r-29, pallabi,mirpur	electric line	pucca	residential	Mirpur	before	0.3	1
12-Feb-12	12	baraikhali, sultangonj, rayer bazar	cigarette	kutcha	residential	Mohammadp	after	0.25	1
13-Feb-12	5	hitech multicare hospital, 164 kocukhet bazar	cigarette	pucca	public service	Kurmitola	before	0.1	30
13-Feb-12	10	195/1/H, shantibag, khilgao	electric line	pucca	residential	Khilgaon	before	0.05	0.5
13-Feb-12	7	h-9, r-9/A, dhanmondi	electric line	pucca	residential	Mohammadp	before	0.05	0.5
13-Feb-12	10	147/3 green road	electric line	pucca	residential	Mohammadp	before	0.05	1
14-Feb-12	5	7, segun bagica	electric line	pucca	commercial	Siddiq bazar	after	0.005	0.05
14-Feb-12	9	39 basabo, kadamtola	electric line	semi-pucca	residential	Khilgaon	after	2	5
15-Feb-12	5	mirpara, demra	cigarette	semi-pucca	industrial	Demra	after	3	8
16-Feb-12	24	asrafabad,?bazar	cigarette	kutcha	commercial	Lalbag	after	0.75	1
16-Feb-12	7	272, alambag, jurain	coel	semi-pucca	residential	Postogola	after	0.2	20
16-Feb-12	6	19 akmol khan road, babu bazar	electric line	pucca	industrial	Sadarghat	after	5	10
17-Feb-12	9	ka/93/C kuratoli, kuril	cigarette	kutcha	industrial	Baridhara	after	2	5
17-Feb-12	5	69 dilkusha CA	electric line	pucca	commercial	Siddiq bazar	after	2	5
17-Feb-12	10	135, dakkhin mugda bank collony, sobujbag	gas riser	pucca	residential	Khilgaon	before	0.01	1
17-Feb-12	8	block-1/2, sec-14, mirpur	cigarette	semi-pucca	residential	Mirpur	after	0.6	2
19-Feb-12	7	120 B, motojheel CA	cigarette	pucca	commercial	Siddiq bazar	before	0.03	1
19-Feb-12	17	karwan bazar, railline bosti	stove	kutcha	slum	Tejgaon	after	3.8	7
20-Feb-12	35	419 rahim box lane	electric line	kutcha	residential	Lalbag	before	0.3	-
20-Feb-12	7	vashantek bosti, kurmitola	electric line	kutcha	residential	Kurmitola	before	0.5	-
20-Feb-12	4	north side of CMH	cigarette	pucca	public service	Kurmitola	after	0	
20-Feb-12	13	imran prashad, 257/2, elephant road	electric line	pucca	residential	Palashi	before	0.02	10
20-Feb-12	30	6, A.C. ray lane, armanitola	electric line	pucca	residential	Siddiq bazar	before	0.05	0.1
20-Feb-12	3	robiul plaza, C/1/Kha, mirpur-1	electric line	pucca	mixed	Mirpur	after	7	15
20-Feb-12	5	13/3, solimullah road, moh.pur	cigarette	pucca	residential	Mohammadp	before	0.05	0.15
21-Feb-12	2	81 shahid belayet road, dhaka sena nibash	electric line	pucca	residential	Kurmitola	before	0.02	0.2
21-Feb-12	5	42/1 segun bagica, rupali tower	electric line	pucca	mixed	Siddiq bazar	after	1	10
21-Feb-12	7	r-1/A, plot-57, gulshan-1	stove	kutcha	residential	Tejgaon	after	1.5	2.5
21-Feb-12	11	95 azompur, khanpara, dakkhin khan	electric line	kutcha	residential	Tongi	after	0.35	0.9
22-Feb-12	16	plot-80, r-6,block-E, boshundhara RA	electric line	pucca	public service	Baridhara	before	0.5	5
22-Feb-12	16	h-8,r-104, gulshan-2	weilding	under construc	under construct	Baridhara	before	0.05	0.1
22-Feb-12	3	karim tower, bakshi bazar, lalbag	cigarette	pucca	commercial	Lalbag	before	-	-
22-Feb-12	5	163, dakkhin pokan	cigarette	under construc	under construct	Khilgaon	after	0.07	1
22-Feb-12	4	can uddan, bomila, moh.pur	cigarette	open space	open space	Mohammadp	after	0	
23-Feb-12	20	boi tola mor, ashkona	electric line	kutcha	residential	Kurmitola	after	16	10
24-Feb-12	5	begunbari, hatirjheel, tejgaon	cigarette	open space	open space	Tejgaon	after	0.005	
24-Feb-12	14	al mehedi, madartek	electric line	pucca	commercial	Khilgaon	before	1	2

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
24-Feb-12	9	technical mor, darus salam	cigarette	open space	road	Mohammadp	after	0.01	10
25-Feb-12	9	r-12, h-24, nikunja-2	electric line	pucca	residential	Kurmitola	after	2	15
25-Feb-12	25	434, ashkona, dakkhin khan, uttara	electric line	semi-pucca	commercial	Kurmitola	after	0.2	2
25-Feb-12	10	r-11, plot-23, shyampur IA	electric line	pucca	industrial	Postogola	after	1	2
25-Feb-12	7	h-18, r-11, block-C, mirpur-12	electric line	pucca	residential	Mirpur	before	0.005	0.2
25-Feb-12	10	gabtoli, gorur hat	cigarette	open space	open space	Mirpur	after	0.1	1
26-Feb-12	16	1 no bagolpur, nobabgonj police fari	electric line	electric installa	road	Palashi	before	-	-
26-Feb-12	20	plot-1, r-14/a, shyampur,kodomtoli	cigarette	pucca	industrial	Postogola	before	0.2	10
26-Feb-12	20	thana ghat, bissho market, jinjira	gas line	pucca	industrial	Sadarghat	before	0.2	5
26-Feb-12	10	402, tejgao IA	electric line	pucca	industrial	Tejgaon	after	300	1500
26-Feb-12	5	r-25, h-26, block-D, sec-10, mirpur	electric line	pucca	residential	Mirpur	before	0.3	1
26-Feb-12	11	h-3/3, section-14, mirpur	gas riser	pucca	residential	Mirpur	before	0.01	
26-Feb-12	3	380/B, r-27, dhanmondi	cigarette	pucca	residential	Mohammadp	before	0.01	
26-Feb-12	10	6/4, dakkhin kallayanpur,mohpur	stove	kutcha	residential	Mohammadp	after	0.5	2
27-Feb-12	5	1409 dakkhin dhania	stove	kutcha	residential	Postogola	after	5	30
27-Feb-12	2	99 motijheel CA	electric line	semi-pucca	commercial	Siddiq bazar	after	4	10
27-Feb-12	5	40 rishikesh das road, sutrapur	electric line	pucca	residential	Sadarghat	after	1	5
27-Feb-12	3	h-18, r-5, dhanmondi	cigarette	under construc	under construct	Mohammadp	before	0.01	0.05
27-Feb-12	6	15/2, r-1, kallyanpur	cigarette	kutcha	residential	Mohammadp	before	0.04	0.2
28-Feb-12	19	samad super market, jatrabari	electric line	pucca	commercial	Postogola	before	0.5	
28-Feb-12	5	42/43 shiddhesshori circular road, shanti nagar	gas line	pucca	residential	Siddiq bazar	after	0.05	10
28-Feb-12	25	rampura TV center	electric line	electric installa	road	Khilgaon	after	0.01	
28-Feb-12	11	237 west shewrapara, wasa road, mirpur	electric line	electric installa	road	Mirpur	after	-	-
28-Feb-12	10	12/A, 33/Ka, at the end of 8 no bridge, dhanmondi	cigarette	pucca	residential	Mohammadp	before	0.8	3
29-Feb-12	9	29/3, R.N.D. road, lalbag	stove	pucca	residential	Lalbag	before	2	
29-Feb-12	4	5/1 shekh shaher bazar	gas line	semi-pucca	public service	Lalbag	before	0	-
29-Feb-12	16	north side of CMH	electric line	electric installa	road	Kurmitola	before	0.3	
29-Feb-12	8	hotel rabbani, fokirapul	gas line	gas installatio	road	Siddiq bazar	after	0.03	
29-Feb-12	1	waz ghat, bakland bad road	electric line	electric installa	road	Sadarghat	after	0.01	0.2
1-Mar-12	10	alipara, dogar ali md. Khan road, jatrabari	electric line	kutcha	commercial	Demra	after	0.03	1
1-Mar-12	14	157 santinagar	electric line	pucca	commercial	Siddiq bazar	after	0.1	0.3
1-Mar-12	33	79 hazi osman goni road, akshu bazar	electric line	pucca	industrial	Siddiq bazar	after	0.3	20
1-Mar-12	9	h-81, r-3, sec-11, journalist RA, mirpur	coel	pucca	residential	Mirpur	before	0.5	2
2-Mar-12	5	206/A tejgao IA	electric line	pucca	industrial	Tejgaon	after	1	5
2-Mar-12	26	block-c, lane-10, mirpur-12	electric line	kutcha	residential	Mirpur	before	0.05	0.1
3-Mar-12	21	NEK 7/b north avenue, gulshan-2	cigarette	pucca	residential	Baridhara	after	0.2	5
3-Mar-12	2	nagar plaza, gulistan	gas line	gas installatio	road	Siddiq bazar	after	0.005	5
3-Mar-12	2	block-A, r-3, plot-1, mirpur-10	electric line	pucca	industrial	Mirpur	after	0.1	2
3-Mar-12	12	mazar staff collony, mirpur-1	electric line	kutcha	residential	Mirpur	before	0.01	0.2
3-Mar-12	23	295/ja/4, sikder real state, rayer bazar	weilding	pucca	industrial	Mohammadp	before	-	
4-Mar-12	13	nagar plaza, fulbaria	cigarette	pucca	commercial	Siddiq bazar	after	0.01	10
4-Mar-12	6	22/a/4, kunipara, tejgao	coel	pucca	commercial	Tejgaon	after	0.5	5
5-Mar-12	3	23/1 kunipara, tejgao	coel	semi-pucca	commercial	Tejgaon	before	0.5	1
7-Mar-12	5	babupara, nilkhet	electric line	pucca	residential	Palashi	before	0.2	
7-Mar-12	11	158/2, arambag, motijheel	electric line	pucca	commercial	ramna,khil	after	0.25	2
7-Mar-12	11	67 malibag, chowdhury para	gas cilinder	pucca	industrial	Khilgaon	after	0.01	200
8-Mar-12	16	mirpur-2	stove	kutcha	commercial	Mirpur	after	0.2	0.3
9-Mar-12	13	387/5, mir hazir bag, jatrabari	electric line	pucca	industrial	Postogola	after	0.2	20
9-Mar-12	3	9 ahsan monjil super (china) market, islampur	electric line	pucca	commercial	Sadarghat	after	2	150
9-Mar-12	8	asad gate, mirpur road	cigarette	pucca	commercial	Mohammadp	after	0.02	5
11-Mar-12	10	ka-21/2-a kuril badda	gas line	gas installatio	road	Baridhara	after	0.05	0.5
11-Mar-12	2	77, shahid tajuddin road, tejgao	cigarette	pucca	industrial	Tejgaon	after	0.5	5
11-Mar-12	9	dipika-r mor, sat rasta, tejgao	electric line	electric installa	road	Tejgaon	after	0.2	1
11-Mar-12	9	326, shanti nagar, lalbag	electric line	kutcha	mixed	Lalbag	after	15	50
11-Mar-12	10	51/52 green road, dhanmondi	cigarette	pucca	commercial	Mohammadp	before	-	-
12-Mar-12	31	26-e, urdu road, cakbazar	electric line	pucca	industrial	Lalbag	after	2	5
12-Mar-12	7	h-150, r-4,new DOHS	weilding	under construc	under construct	Kurmitola	before	0.1	0.3
12-Mar-12	5	asalota, near bonolota, senanibash	cigarette	pucca	commercial	Kurmitola	after	0.3	
12-Mar-12	4	5 nobab street	gas line	gas installatio	road	Sadarghat	after	0.25	5
12-Mar-12	2	46 shahid tajuddin road, metropolitan medical center	cigarette	pucca	public service	Tejgaon	before	0.01	
13-Mar-12	2	115, new elephant road	electric line	pucca	commercial	Palashi	after	100	500
13-Mar-12	11	62/63, motijheel, amin court, senakalyan songstha bho	electric line	pucca	commercial	Siddiq bazar	after	2.5	50
13-Mar-12	6	215, outer circular road, boro mogbazar	stove	pucca	residential	Tejgaon	after	0.05	2
13-Mar-12	2	mirpur -10, near goal cakkar	electric line	pucca	commercial	Mirpur	after	0.2	0.5
13-Mar-12	7	jolla camp, r-4, block-a,mirpur	electric line	semi-pucca	residential	Mirpur	after	0.15	1
13-Mar-12	25	balur ghat bosti, boubazar, hazaribag	electric line	kutcha	slum	Mohammadp	after	15	50
14-Mar-12	10	71 shahid nagar, 1 no goli	electric line	kutcha	residential	Lalbag	before	0.6	
14-Mar-12	5	ali bohor, shyampur	electric line	kutcha	residential	Postogola	after	0.2	30
14-Mar-12	2	9/2, secretariate road	electric line	pucca	residential	Siddiq bazar	after	2.5	500
14-Mar-12	15	22/1, shyamoli housing, r-6, shekher tek, mohpur	electric line	kutcha	residential	Mohammadp	after	6	10
15-Mar-12	11	hazaribag, tenary-r mor	electric line	pucca	residential	Palashi	after	0.05	50
15-Mar-12	9	310 taltola city super market, khilgao	cigarette	pucca	commercial	Khilgaon	after	200	100
16-Mar-12	3	in front of al-falah madrasa, gulshan ring road	gas line	gas installatio	road	Tejgaon	after	0.03	

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
16-Mar-12	11	22/6/A, moddho kunipara, tejgao	candle	semi-pucca	residential	Tejgaon	after	0.01	0.1
17-Mar-12	8	h-39, r-13, b-d, banani	weilding	pucca	residential	Baridhara	before	0.1	1
17-Mar-12	10	khilkhet bazar	coel	pucca	mixed	Kurmitola	after	0.02	1
17-Mar-12	13	plot-66/2, ave-2, block-d, sec-12, kalapani, mirpur	electric line	kutcha	industrial	Mirpur	after	0.5	10
18-Mar-12	4	31, hosne dalan, ?uddin road	electric line	kutcha	commercial	Lalbag	after	-	-
18-Mar-12	13	89/2, g. m. shaha road, lalbag	electric line	pucca	residential	Lalbag	before	0.5	5
18-Mar-12	10	plot-46/2, line-4,block-e, mirpur-12	electric line	semi-pucca	residential	Mirpur	after	20	30
18-Mar-12	10	h- 180, r-16, block-e, pallabi, mirpur		under construc	under construct	Mirpur	before	0.02	0.05
19-Mar-12	10	9 no ahsan monjil, ?.pan super market	electric line	pucca	commercial	Sadarghat	before	4	2
19-Mar-12	10	216/217 dakkhin basabo	electric line	electric installa	road	Khilgaon	after	-	
21-Mar-12	11	govt staff quarter, shyamoly	gas cilinder	pucca	residential	Mohammadp	before	0.05	-
23-Mar-12	10	h-81, r-12, block-f, boshudhara	electric line	pucca	residential	Baridhara	before	0.1	0.5
23-Mar-12	5	r-13, plot-17, shyampur IA, kodomtoli	electric line	semi-pucca	industrial	Postogola	before	0.5	10
23-Mar-12	2	bongo islamia super market	electric line	pucca	commercial	Siddiq bazar	after	0.2	2
23-Mar-12	5	r-29,rupnagar RA	cigarette	open space	residential	Mirpur	after	0	-
23-Mar-12	5	h-22,hazi dil mohammad avenue, main road, moh.pur	electric line	semi-pucca	residential	Mohammadp	before	0.25	2
24-Mar-12	7	beside sher-e-bangla nagar thana, bosti	stove	kutcha	residential	Mohammadp	before	0.5	5
25-Mar-12	2	love road, in front of office of jay jay din, tejgao	cigarette	kutcha	residential	Tejgaon	after	0.05	0.05
25-Mar-12	8	block-b, section-6, shop-1, mirpur	electric line	pucca	commercial	Mirpur	after	1	3
26-Mar-12	5	64/164/2, nobab katra mazed sordar road	electric line	pucca	industrial	Siddiq bazar	after	45	500
26-Mar-12	5	152/2 agamosi lane	cigarette	pucca	residential	Siddiq bazar	before	0.005	-
26-Mar-12	8	elen bari, sorok o jonopod bivag	electric line	pucca	commercial	Tejgaon	before	0.05	1
26-Mar-12	5	77 shahid tajuddin ahmed soroni, tejgao	machine	semi-pucca	industrial	Tejgaon	before	0.1	3
27-Mar-12	16	gazi market, 30 mollar tek, dakkhin khan	electric line	pucca	commercial	Kurmitola	after	0.5	5
28-Mar-12	6	jorar sahara bazar, badda	electric line	electric installa	road	Kurmitola	before	-	-
28-Mar-12	27	215 tejgao IA	electric line	pucca	industrial	Tejgaon	after	100	1500
28-Mar-12	20	malibag D/B office	electric line	pucca	public service	Khilgaon	before	0.5	1
31-Mar-12	5	in front of bongo bhabon, beside olimpic bhabon	electric line	electric installa	road	Siddiq bazar	after	0.001	0.05
31-Mar-12	10	50 mohakhali wireless gate	electric line	pucca	commercial	Tejgaon	before	0.1	10
31-Mar-12	10	461, dakkhin manta kodomtoli road, mugda		kutcha	residential	Khilgaon	before	4	5
31-Mar-12	4	in front of 10/d, line-132, h-32	stove	kutcha	slum	Mirpur	after	5	10
1-Apr-12	8	plot-2, r-144, police plaza, gulshan-1	cigarette	under construc	under construct	Tejgaon	after	0.2	2
2-Apr-12	13	h-6, r-1, nikunja-2	electric line	kutcha	residential	Kurmitola	before	0.02	0.2
2-Apr-12	7	motaleb plaza, hatirpul	cigarette	under construc	under construct	Palashi	before	0.02	-
2-Apr-12	8	foreign furniture market, panthapath	machine	kutcha	mixed	Mohammadp	after	140	300
3-Apr-12	16	plot-19/1, boshundhara RA	electric line	pucca	residential	Baridhara	before	0.05	0.1
3-Apr-12	11	rayer bazar busstand	coel	kutcha	commercial	Postogola	after	0.6	3
3-Apr-12	7	plot-21, r-21, shyampur IA	electric line	semi-pucca	commercial	Postogola	after	3	100
3-Apr-12	6	71/1, naj complex, kazi alauddin road	electric line	pucca	industrial	Siddiq bazar	after	0.2	5
3-Apr-12	11	131,nayatola, mogbazar	electric line	pucca	residential	Tejgaon	after	0.5	5
5-Apr-12	11	shahjahan road, jhou char, hazaribag, akbarer bosti	stove	kutcha	slum	Palashi	after	10	2
5-Apr-12	9	uttor kamlapur	electric line	pucca	commercial	Khilgaon	after	0.05	1
6-Apr-12	15	19/3 azam road, town hall, moh.pur	electric line	pucca	commercial	Mohammadp	after	0.1	2
7-Apr-12	4	210/a, tipa para, khilgao	electric line	pucca	residential	Khilgaon	before	0.1	0.5
8-Apr-12	10	45/1, sher-e-bangla road, hazaribag	electric line	pucca	industrial	Palashi	before	-	-
8-Apr-12	5	393/b-5 cishtia, gauchia	electric line	pucca	commercial	Palashi	after	0.1	10
8-Apr-12	10	15 new baily road	electric line	pucca	residential	Siddiq bazar	before	0.2	2
8-Apr-12	14	39, karwan bazar	electric line	electric installa	road	Tejgaon	after	0.2	1
9-Apr-12	7	hosna center, 106, gulshan avenue	electric line	pucca	commercial	Baridhara	before	0.1	1
9-Apr-12	16	1077 east ebrahimpur, habibullah road	electric line	pucca	residential	Kurmitola	before	0.01	0.2
9-Apr-12	10	7/4/1, manik nagar	electric line	semi-pucca	commercial	Khilgaon	after	0.5	1
9-Apr-12	28	bonosree, rampura, r-7	electric line	electric installa	road	Khilgaon	before	0.005	
9-Apr-12	8	concord germents, plot-3, r-5, sec-7, mirpur	electric line	pucca	industrial	Mirpur	before	0.5	
11-Apr-12	10	uttor badda, hosne market	electric line	electric installa	road	Baridhara	before	-	-
11-Apr-12	4	342, cocacola road, hazi cerag ali market, baridhara	electric line	semi-pucca	commercial	Baridhara	after	2	5
11-Apr-12	5	50, agamashe road	electric line	electric installa	road	Siddiq bazar	before	0.02	
11-Apr-12	12	r-7, sec-3, h-35, hasina monjil, uttara	electric line	pucca	commercial	Tongi	after	1.5	2
11-Apr-12	11	plot-34, sec-9, sonarga jonopod, uttara	chemical reaction	pucca	commercial	Tongi	before	0.25	2
12-Apr-12	10	r-1/6, h-27, nikunja-2	electric line	semi-pucca	commercial	Kurmitola	before	0.02	0.2
14-Apr-12	8	321, kamal ataturk ave., hotel sweet dream	weilding	pucca	commercial	Baridhara	before	0.01	-
15-Apr-12	4	kona para, demra	cigarette	pucca	commercial	Demra	after	0.01	0.5
15-Apr-12	15	matikata check post, balughat	electric line	electric installa	road	Kurmitola	before	0.2	
15-Apr-12	5	motijhil, north side of shapla cattar	electric line	electric installa	road	Siddiq bazar	after	0.1	1
15-Apr-12	6	h-2/a, r-4, mirpur-10	electric line	pucca	commercial	Mirpur	after	0.02	0.2
15-Apr-12	8	plot-51/52, block-c, sec-6, mirpur	electric line	semi-pucca	commercial	Mirpur	after	1	2
15-Apr-12	5	10/c, babor road	electric line	electric installa	road	Mohammadp	before	0.01	
16-Apr-12	6	10 dilkusha CA, motijhil	electric line	pucca	commercial	Siddiq bazar	before	0.05	5
16-Apr-12	15	r-7/3, h-84, sat moshjid road, dhanmondi	machine	pucca	residential	Mohammadp	before	0.5	5
17-Apr-12	16	tikatuli, suiper colony	electric line	semi-pucca	residential	Siddiq bazar	after	1	0.2
17-Apr-12	10	9 no building, kallyanpur bus stand, mirpur road	electric line	electric installa	road	Mohammadp	after	3	10
18-Apr-12	6	5/1, block-a, lalmatia	gas riser	pucca	residential	Mohammadp	after	0.05	2.5
19-Apr-12	15	435/1, wireless gate, boromogbazar	electric line	pucca	mixed	Tejgaon	after	0.5	5
19-Apr-12	13	dakkhin monipur, shewrapara, mirpur	electric line	pucca	residential	Mirpur	before	0.05	0.15

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
20-Apr-12	8	ittefaq mor	gas line	gas installatio	road	Siddiq bazar	after	0.01	-
20-Apr-12	8	41/1 dilu road, mogbazar	electric line	pucca	residential	Tejgaon	before	0.5	2
20-Apr-12	15	block-b, r-01, h-5, aftab nagar, rampura	stove	pucca	residential	Khilgaon	before	0.5	10
20-Apr-12	10	519/a, r-1, dhanmondi	stove	pucca	residential	Mohammadp	before	0.2	10
21-Apr-12	20	56/a, hori coron ray road, gendaria	electric line	pucca	residential	Postogola	before	1	-
22-Apr-12	15	paik para, mirpur-1	electric line	pucca	public service	Mirpur	after	1	5
23-Apr-12	7	15/b H.M. siddiq bhabon, purana palton	electric line	pucca	commercial	Siddiq bazar	after	0.25	1
24-Apr-12	30	r-75/84, h-1/1, gulshan-2	machine	pucca	residential	Baridhara	before	0.5	2
24-Apr-12	10	plot & road-7, sector-11, uttara	electric line	pucca	commercial	Tongi	before	0.5	1.5
24-Apr-12	7	110, goala bari, mirpur-14	electric line	semi-pucca	mixed	Mirpur	after	1.5	5
25-Apr-12	10	kaderia tower, gulshan-1	electric line	pucca	residential	Tejgaon	before	2	5
25-Apr-12	10	plot-9, r-4, sec-7, mirpur	electric line	pucca	industrial	Mirpur	before	0.05	0.25
26-Apr-12	7	218, sahera trophicel center, elephant road	electric line	pucca	commercial	Palashi	after	0.1	200
27-Apr-12	7	khondokar bari mor, batara	electric line	kutcha	commercial	Baridhara	before	0.1	0.2
28-Apr-12	10	r-67, h-9, gulshan-2	cigarette	pucca	residential	Baridhara	after	0.2	1
28-Apr-12	5	385/1, rampura germents goli	electric line	pucca	industrial	Khilgaon	before	0.05	50
30-Apr-12	25	82/3/b bibir bagica gate, jatrabari	gas cilinder	pucca	commercial	Postogola	after	3	200
30-Apr-12	13	286, east goran, khilgao	gas riser	pucca	residential	Khilgaon	after	0.5	2
30-Apr-12	8	east kazi para, kafrul, mirpur	electric line	pucca	residential	Mirpur	before	0.5	2
1-May-12	5	3/31, nazimuddin baro vuiya market,sutrapur	electric line	pucca	commercial	Sadarghat	after	5	100
2-May-12	6	i-19, kazi nazrul islam road	gas riser	pucca	residential	Mohammadp	after	0.02	1
3-May-12	10	1/7/e asad avenue, shyamoly	gas line	gas installatio	road	Mohammadp	after	0.01	-
4-May-12	12	lane-26, h-16, block-d, mirpur-11	gas riser	pucca	residential	Mirpur	after	0.15	1
5-May-12	15	west nondipara	gas line	gas installatio	road	Khilgaon	after	0.1	10
6-May-12	6	89,kazi amanullah sorder lane, bongshal	electric line	pucca	residential	Siddiq bazar	after	2	10
8-May-12	9	h-18, r-25, block-d, section-11,mirpur	cigarette	pucca	commercial	Mirpur	after	0.4	2
9-May-12	6	e/63-66, wireless gate school road, mogbazar	electric line	semi-pucca	commercial	Tejgaon	after	7	21
10-May-12	6	202 medicine market, mitford	electric line	semi-pucca	residential	Sadarghat	after	0.2	5
11-May-12	13	holding-1, ward-11, jasimuddin road	gas line	pucca	residential	Tongi	after	0.3	2
13-May-12	9	101, singntola, hemonto das lane, sutrapur	gas line	pucca	commercial	Sadarghat	after	0.01	5
14-May-12	8	h-16, r-140, gulshan-1	electric line	pucca	residential	Baridhara	before	1	2
14-May-12	10	125, r.s. das lane, sutrapur	gas line	gas installatio	road	Sadarghat	after	0.03	-
14-May-12	10	6100 mogbazar	electric line	pucca	residential	Khilgaon	after	2	10
14-May-12	12	122/123, darus salam road	electric line	pucca	commercial	Mirpur	before	0.03	0.1
14-May-12	20	222 west shewrapara, wasa road	electric line	pucca	residential	Mirpur	after	0.05	0.2
14-May-12	11	r-7/a, h- 78/b, dhanmondi	electric line	pucca	residential	Mohammadp	before	0.05	0.5
14-May-12	10	73/c, asad avenue, moh.pur	electric line	pucca	commercial	Mohammadp	before	0.4	5
15-May-12	10	338/2, west shewrapara, mirpur	electric line	semi-pucca	commercial	Mirpur	after	0.3	0.5
16-May-12	4	ebrahimpur, kocukhet	electric line	pucca	residential	Kurmitola	after	0.01	0.1
17-May-12	20	8/12, pallabi, mirpur	gas line	gas installatio	road	Mirpur	after	0.005	-
18-May-12	10	153/1, nobaber bag, shah ali bag, mirpur	cigarette	open space	open space	Mirpur	after	0.05	0.2
19-May-12	11	sayedabad main road	electric line	electric installa	road	Postogola	after	0.2	-
20-May-12	15	22/4/a, moddho kunipara, tejgao	electric line	semi-pucca	commercial	Tejgaon	after	2	3
21-May-12	7	62/6, purqnq poltan	electric line	pucca	residential	Siddiq bazar	after	1	5
23-May-12	10	beside demra thana	gas line	gas installatio	road	Demra	after	0.02	0.5
23-May-12	7	28 bistrelari dhopkhola, gendaria	electric line	pucca	mixed	Postogola	after	2	200
23-May-12	4	177, shahid nazrul islam soroni, bijoy nagar	electric line	pucca	commercial	Siddiq bazar	after	1	2.5
23-May-12	5	baytul view tower, 56/1, purana palton	weilding	pucca	commercial	Siddiq bazar	before	0.01	5
23-May-12	17	69, shamibag	electric line	electric installa	road	Siddiq bazar	before	10	25
23-May-12	9	in front of kakrail girja	gas line	gas installatio	road	Siddiq bazar	after	0.006	-
23-May-12	8	h-17, r-2, sector-13, uttara	electric line	pucca	residential	Tongi	before	0.5	3
23-May-12	32	dakkhin bonosree, block-L, r-8, h-37	gas riser	pucca	residential	Khilgaon	before	0.05	-
23-May-12	2	mirpur-10	gas riser	pucca	residential	Mirpur	before	0.003	0.25
23-May-12	8	purnima restaurant, mirpur-2	electric line	semi-pucca	commercial	Mirpur	after	0.1	1
23-May-12	10	22/ka, bosoti,mirpur	weilding	semi-pucca	commercial	Mirpur	before	0.01	0.3
23-May-12	11	96 green road, farmgate	electric line	pucca	commercial	Mohammadp	after	60	100
24-May-12	8	sector-3, r-2, uttara	electric line	electric installa	road	Tongi	after	0.5	2
25-May-12	13	h-6/d, r-131, gulshan-1	electric line	pucca	residential	Tejgaon	before	0.7	3
27-May-12	7	h-97, r-6, block-b, sec-12	stove	pucca	residential	Mirpur	after	0.02	0.2
28-May-12	11	DCC extention super market, gulshan-2	electric line	pucca	commercial	Baridhara	after	2	5
28-May-12	7	1 no. central road, new market thana	electric line	pucca	residential	Palashi	after	0.1	0.5
28-May-12	32	r-20, plot-9, shyampur	electric line	semi-pucca	industrial	Postogola	after	0.1	10
28-May-12	12	176, bijoy nagar	electric line	pucca	commercial	Siddiq bazar	after	0.15	0.75
28-May-12	5	jogonnath bisshobiddaloy	electric line	pucca	public service	Sadarghat	after	5	6
28-May-12	3	fatema germents, hazi islam market, 1no patuatuli lane	electric line	semi-pucca	commercial	Sadarghat	before	0.5	2
28-May-12	10	590, noyatola, modhubag	gas line	gas installatio	road	Tejgaon	after	0.005	0.05
28-May-12	8	442, uttor ebrahimpur, kafrul	electric line	pucca	residential	Mirpur	after	0.3	0.7
28-May-12	7	BACC, womens hospital, r-6, h-8, dhanmondi	machine	semi-pucca	public service	Mohammadp	after	0.6	2
29-May-12	4	37, al-amin road, kathal bagan, green road	electric line	pucca	residential	Mohammadp	before	0.2	2
30-May-12	2	40,kamal ataturk, banani	machine	pucca	commercial	Baridhara	before	0.5	5
31-May-12	9	98 BCC road, tathari bazar	electric line	pucca	commercial	Siddiq bazar	after	0.15	10
31-May-12	20	h-17, sec-4, uttara	electric line	pucca	residential	Tongi	before	-	-
1-Jun-12	6	234/6, kocukhet	gas riser	pucca	residential	Kurmitola	before	-	-

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
2-Jun-12	11	r-3, h-8, baridhara	electric line	pucca	residential	Baridhara	after	0.5	3
3-Jun-12	2	78/2, hazi osman goni road, alu bazar	electric line	pucca	residential	Siddiq bazar	after	0.5	5
4-Jun-12	12	314/2/2 dakkhin jatrabari	electric line	electric installa	road	Postogola	before	0.04	-
4-Jun-12	5	154, motijheel	electric line	semi-pucca	commercial	Siddiq bazar	before	-	-
4-Jun-12	5	hotel garden, 66, bibi avenue, gulistan	electric line	pucca	commercial	Siddiq bazar	before	0.6	
4-Jun-12	5	65, bongobondhu avenue	electric line	pucca	commercial	Siddiq bazar	after	0.01	0.2
4-Jun-12	6	954/a, khilgao	coel	semi-pucca	commercial	Khilgaon	before	0.02	0.5
5-Jun-12	16	356, amtola, ashkona	electric line	pucca	residential	Kurmitola	before	0.05	0.25
5-Jun-12	2	east side of fazlul haq hall	cigarette	open space	open space	Siddiq bazar	after	0.02	0.01
5-Jun-12	4	24-25, dilkusha, motijheel	electric line	electric installa	road	Siddiq bazar	after	1	20
5-Jun-12	13	13/b, r-4/a, dhanmondi	electric line	pucca	residential	Mohammadp	after	0.15	5
6-Jun-12	15	83, north badda	gas riser	pucca	residential	Baridhara	after	0.2	1
7-Jun-12	10	hotel sonar gao	electric line	pucca	commercial	Tejgaon	after	0.5	10
8-Jun-12	4	19, gobinda datto lane, lokkhi bazar	gas line	gas installatio	road	Sadarghat	after	0.05	10
8-Jun-12	7	77/78 new airport road, mohakhali	gas line	gas installatio	road	Tejgaon	after	-	-
8-Jun-12	8	101/1, pulpar jafrabad, moh.pur	electric line	electric installa	road	Mohammadp	before	0.005	-
9-Jun-12	3	beside bongshal sub station	electric line	electric installa	road	Siddiq bazar	after	0.005	0.5
9-Jun-12	4	65/a, dakkhin goran	electric line	pucca	residential	Khilgaon	after	0.05	0.5
11-Jun-12	8	malibag super market	cigarette	pucca	commercial	Khilgaon	after	-	
11-Jun-12	10	plot-2/2,avenue-3, r-23, block-d, mirpur-11	gas line	gas installatio	road	Mirpur	after	0.005	-
11-Jun-12	4	102, sukrabad, dhanmondi	electric line	pucca	public service	Mohammadp	before	0.05	0.5
12-Jun-12	15	block-e, r-8, h-44, mirpur-12	stove	pucca	residential	Mirpur	before	0.005	0.05
12-Jun-12	4	r-2, block-c, sec-6, mirpur	electric line	electric installa	road	Mirpur	after	0.005	0.01
16-Jun-12	10	tong bosti, kazi office, Shyamoli 2nd road	stove	kutcha	slum	Mohammadp	after	60	500
17-Jun-12	15	beside ideal school, bamel, demra	cigarette	pucca	residential	Demra	before	0	-
17-Jun-12	5	plot-23-25, line-5, r-8, block-b, sec-11, mirpur	electric line	kutcha	residential	Mirpur	after	2	5
18-Jun-12	7	h-28, r-3/4, sector-9, uttara	electric line	pucca	residential	Tongi	after	1	1
19-Jun-12	8	h-14, r-104, gulshan-2	electric line	electric installa	road	Baridhara	after	0.1	1
20-Jun-12	9	420, motijhil CA, shapla bhabon	electric line	pucca	commercial	Siddiq bazar	after	1	25
20-Jun-12	11	238, tejgao IA	machine	pucca	commercial	Tejgaon	before	1	10
20-Jun-12	12	millat.., avenue-3, vasani road,block-b, section-11, mi	electric line	kutcha	residential	Mirpur	after	1	5
21-Jun-12	10	r-25, h-14, rupnagar RA	electric line	pucca	residential	Mirpur	before	0.05	2
22-Jun-12	9	r-19,h-22, block-e, banani	stove	pucca	residential	Tejgaon	after	0.02	0.2
22-Jun-12	3	395-397, sat rasta, tejgao	electric line	pucca	commercial	Tejgaon	before	0.3	2
23-Jun-12	5	122, bisshobiddaloy market, katabon	electric line	pucca	commercial	Palashi	after	1	2
23-Jun-12	6	62, bijoy nagar	electric line	pucca	commercial	Siddiq bazar	after	20	50
23-Jun-12	7	plot-2/2, r-23, avenue-3, block-d, sec-11, mirpur	gas line	gas installatio	road	Mirpur	after	0.2	0.5
23-Jun-12	16	157/d, green road	electric line	pucca	commercial	Mohammadp	after	0.3	2
24-Jun-12	5	29/1, poribag, hatirpul	electric line	pucca	commercial	Palashi	after	1	50
24-Jun-12	7	ka/15/6, rasulbag, mohakhali	electric line	pucca	industrial	Tejgaon	after	60	500
25-Jun-12	31	purbo bara, pac tola bazar	electric line	semi-pucca	industrial	Baridhara	after	10	20
25-Jun-12	5	BTCL sher-e-bangla nagar	electric line	pucca	commercial	Mohammadp	after	15	150
26-Jun-12	2	56,57 kazi alauddin road	stove	pucca	residential	Siddiq bazar	before	0.25	-
27-Jun-12	7	115/a, new elephant road	gas line	pucca	residential	Palashi	before	0	-
27-Jun-12	3	348/a, tejgao IA	electric line	pucca	industrial	Tejgaon	after	0.2	5
29-Jun-12	3	203 korimullar bag, somshan ghat, postogola	electric line	semi-pucca	commercial	Postogola	after	1	10
29-Jun-12	14	beside 203, nobabpur road, in front of modina plaza	cigarette	open space	open space	Siddiq bazar	after	0.8	10
29-Jun-12	11	r-1, block-a, h-36, niketon, gulshan	electric line	pucca	residential	Tejgaon	after	2	20
30-Jun-12	13	plot-42, kamal ataturk avenue, banani	electric line	pucca	commercial	Baridhara	before	0.5	2
30-Jun-12	5	polar icecream factory	gas line	pucca	industrial	Tejgaon	before	-	
30-Jun-12	8	r-3, in front of nobab bari mosque, banani	electric line	electric installa	road	Tejgaon	after	0.05	0.2
2-Jul-12	12	beside demra thana	gas line	gas installatio	road	Demra	after	0	-
2-Jul-12	15	h-93, shahom khodom avenue, sector-12, uttara	electric line	pucca	residential	Tongi	after	6	10
4-Jul-12	4	karim jute mill, demra	electric line	semi-pucca	commercial	Demra	after	5	10
4-Jul-12	13	moucak market, malibag	electric line	pucca	commercial	Siddiq bazar	after	25	100
4-Jul-12	7	220/b, tejgao IA	weilding	pucca	commercial	Tejgaon	after	0.5	5
4-Jul-12	10	115, lukas-er mor, west nakhal para	electric line	pucca	commercial	Tejgaon	after	0.3	10
4-Jul-12	26	523/3, east senpara, kafrul thana, mirpur	electric line	pucca	residential	Mirpur	before	0.3	0.5
6-Jul-12	5	36 shikka tuli,bongshal	gas line	gas installatio	road	Siddiq bazar	after	0.01	1
6-Jul-12	14	h-32, r-1/d, sector-5, uttara	electric line	pucca	residential	Tongi	after	2	40
6-Jul-12	10	beside khilgao model school	cigarette	pucca	commercial	Khilgaon	after	0.3	0.5
10-Jul-12	13	east merul, nimtola, badda	electric line	kutcha	commercial	Baridhara	before	0.05	0.1
10-Jul-12	11	31, jafrabad, songkor	electric line	pucca	residential	Mohammadp	after	0.02	5
11-Jul-12	20	ashrafabad, kamrangir car	stove	pucca	industrial	Lalbag	after	0.05	0.5
11-Jul-12	2	west side of bongobazar	gas line	pucca	commercial	Siddiq bazar	after	-	-
14-Jul-12	10	h-95, r-6, block-b,mirpur-12	cigarette	pucca	residential	Mirpur	after	0.05	1
14-Jul-12	14	18/3, kallyanpur main road	stove	pucca	residential	Mirpur	before	0.005	5
15-Jul-12	5	kemapara, demra	electric line	semi-pucca	commercial	Demra	before	0.2	0.5
17-Jul-12	6	r-136, h-12, gulshan-1	electric line	pucca	residential	Baridhara	before	2	5
17-Jul-12	5	254, sipahigonj, uttor goran,khilgao	electric line	pucca	residential	Khilgaon	after	0.05	2
17-Jul-12	17	507, senpara parbota, mirpur-10	gas riser	pucca	residential	Mirpur	before	0.05	-
18-Jul-12	10	delvi shop, h-1/a, r-113, gulshan-2	electric line	pucca	mixed	Baridhara	before	0.5	1
18-Jul-12	4	67/1, nasiruddin sordar lane, dholai par	electric line	semi-pucca	residential	Sadarghat	after	0.6	100

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
18-Jul-12	16	h-13, r-34, block-c, gulshan-1	gas line	gas installatio	road	Tejgaon	before	0.005	
18-Jul-12	7	beside uttara thana, uttara	electric line	pucca	commercial	Tongi	before	-	
19-Jul-12	5	14, islambag, sata mosjid, lalbag	electric line	pucca	residential	Lalbag	after	0.2	0.3
22-Jul-12	5	44, banani super market	electric line	pucca	commercial	Baridhara	after	2	5
22-Jul-12	5	gonobhabon compound	cigarette	open space	residential	Mohammadp	before	0.005	-
25-Jul-12	6	r-12, h-317, block-c, boshundhara RA	gas cilinder	pucca	residential	Baridhara	before	0.2	1
25-Jul-12	8	41/2-a, shamsabad lane, noyabazar	electric line	pucca	residential	Siddiq bazar	before	0.05	0.2
25-Jul-12	35	...poshcim para, beside boro moshjid	electric line	electric installa	road	Tejgaon	after	0.2	0.1
26-Jul-12	11	jamuna future park, baridhara	electric line	pucca	commercial	Baridhara	after	0.1	1
26-Jul-12	9	h-1, r-35, gulshan-2	electric line	pucca	residential	Baridhara	before	2	3
26-Jul-12	5	dakkhin tengra, sarulia, demra	electric line	pucca	mixed	Demra	after	5	20
26-Jul-12	5	bakkushah boi market, nilkhet, newmarket	electric line	semi-pucca	commercial	Palashi	after	0.48	500
26-Jul-12	6	h-30, section-11, mirpur,opposite of purobi cinema ha	cigarette	under construc	under construct	Mirpur	after	0.03	0.1
27-Jul-12	10	27, west nakhal para, tejgao	cigarette	open space	open space	Tejgaon	before	-	-
27-Jul-12	8	green life medical college, 32, green road	cigarette	pucca	public service	Mohammadp	before	0.5	2
28-Jul-12	11	82, ebrahimpur, kafrul	electric line	pucca	industrial	Mirpur	after	4	15
28-Jul-12	10	4/a, near kutcha bazar, jikatola		semi-pucca	commercial	Mohammadp	before	0.15	0.5
29-Jul-12	10	matuail,..kather pul, jatrabari	electric line	kutcha	industrial	Demra	after	3	5
29-Jul-12	15	145, motijhil CA	cigarette	pucca	commercial	Siddiq bazar	after	1	10
29-Jul-12	4	337/a, tilpapara, khilgao	gas riser	pucca	residential	Khilgaon	after	0.05	1
30-Jul-12	3	307/a, b east nakhal para	gas line	gas installatio	open space	Tejgaon	after	0.1	-
31-Jul-12	4	18, elephant road	cigarette	pucca	commercial	Palashi	before	0.05	1
31-Jul-12	6	h-121, r-21, new DOHS, mohakhali	electric line	pucca	residential	Tejgaon	after	0.2	1
1-Aug-12	5	r-6/a, block-j, baridhara	machine	kutcha	commercial	Baridhara	before	2	2
1-Aug-12	6	h-678, r-21, block-f, boshundhara RA	stove	pucca	residential	Baridhara	before	0.2	-
2-Aug-12	3	plot-23, r-17, kamal ataturk avenue, banani	cigarette	pucca	commercial	Baridhara	before	0.05	0.5
3-Aug-12	11	60, kamal ataturk avenue, gulshan	electric line	pucca	commercial	Baridhara	after	0.2	10
3-Aug-12	6	west islambag?	electric line	semi-pucca	industrial	Lalbag	after	2	3
3-Aug-12	15	rupnagar battery math, kamrangir car	cigarette	semi-pucca	industrial	Lalbag	before	1	5
3-Aug-12	10	waiz ghat, sadarghat	electric line	electric installa	road	Sadarghat	after	0.05	
3-Aug-12	5	shibbahi bag tempu stand, khilgao	electric line	semi-pucca	commercial	Khilgaon	after	0.15	1
3-Aug-12	10	workers' govt. collony, anser camp, mirpur-1	gas line	pucca	residential	Mirpur	before	0.005	5
4-Aug-12	5	r-1, section-13, mirpur	electric line	semi-pucca	commercial	Mirpur	after	20	25
4-Aug-12	11	infront of sony cinema hall, mirpur-1	electric line	electric installa	road	Mohammadp	after	0.015	
5-Aug-12	12	shyampur, near otobi shop, postogola	electric line	semi-pucca	residential	Postogola	before	0.2	1
5-Aug-12		near jurain shetu, hawkers' market, postogola	electric line	semi-pucca	commercial	Postogola	before	0.01	0.2
5-Aug-12	8	51/52, mohakhali	electric line	pucca	commercial	Tejgaon	before	1	2
6-Aug-12	7	islambag club ghat, lalbag	electric line	semi-pucca	industrial	Lalbag	before	0.3	2
7-Aug-12	8	agarga mor	cigarette	open space	open space	Mohammadp	after	0.1	0.16
8-Aug-12	9	638/fa, peyarabag, boro mogbazar	gas riser	pucca	residential	Tejgaon	before	0.02	-
8-Aug-12	5	in front of mirpur bangla college	gas line	gas installatio	road	Mirpur	after	0.005	-
9-Aug-12	2	398/a, akota shorok, khilgao	stove	pucca	residential	Khilgaon	before	0.6	-
10-Aug-12	13	234/4, lalshorai, kocukhet, dhaka sena nibash	machine	pucca	industrial	Mirpur	before	0.1	5
11-Aug-12	10	new airport, r & h-79, block-j, mohakhali	electric line	pucca	industrial	Tejgaon	before	0.1	5
12-Aug-12	5	1/2, 1/3, uttor bisil, block-ka, section-1, mazar road, m	electric line	pucca	industrial	Mirpur	before	0.5	5
13-Aug-12	6	40, ahsanullah road, nobab bari, monsur market	electric line	semi-pucca	commercial	Sadarghat	after	40	1000
13-Aug-12	12	8/11, block-c, lalmatia, moh.pur	electric line	pucca	residential	Mohammadp	before	0.15	1.1
16-Aug-12	6	r-94, h-3/a, gulshan-2	weilding	under construc	under construct	Baridhara	after	0.2	1
17-Aug-12	15	a/49 uttor shahjahanpur	gas line	gas installatio	open space	Khilgaon	after	0.15	1
17-Aug-12	15	34/a/3/kha, pallabi	electric line	pucca	residential	Mirpur	before	0.005	0.3
18-Aug-12	10	1079, khil barir tek, boubazar, badda	gas cilinder	semi-pucca	commercial	Baridhara	after	0.75	1.5
18-Aug-12	15	r-3/a, h-12, sector-5, uttara	electric line	pucca	residential	Tongi	after	3	20
20-Aug-12	7	194/a/b, tejgao IA	electric line	semi-pucca	industrial	Tejgaon	after	1.5	3
20-Aug-12	15	494/a, sonalibag, malibag, mogbazar	electric line	pucca	residential	Tejgaon	before	0.7	2
21-Aug-12	2	1 no. harnath ghosh road, lalbag	electric line	pucca	commercial	Lalbag	after	2	20
21-Aug-12	7	113/114, noyapalton, silver road	electric line	semi-pucca	industrial	Siddiq bazar	after	1.5	15
22-Aug-12	5	46/b, nolgola, imamgonj	cigarette	semi-pucca	commercial	Lalbag	after	0.2	2
23-Aug-12	11	73, segun bagica	electric line	pucca	mixed	Siddiq bazar	after	8	30
24-Aug-12	5	1/a, abdul hadi lane, agasadek road	electric line	kutcha	industrial	Siddiq bazar	after	25	80
24-Aug-12	20	h-101, r-2, block-a, niketon society, gulshan-1	electric line	pucca	residential	Tejgaon	after	0.5	5
24-Aug-12	5	85/1, manik nagar	electric line	pucca	residential	Khilgaon	after	2	0.5
25-Aug-12	7	40, new elephant road	electric line	pucca	residential	Palashi	before	0.1	-
26-Aug-12	8	west islambag, clubghat, lalbag	electric line	kutcha	commercial	Lalbag	after	15	20
26-Aug-12	6	48, jonson road	stove	pucca	residential	Sadarghat	after	0.05	5
27-Aug-12	13	77/4, east tejkuni para, tejgao	electric line	pucca	mixed	Tejgaon	after	1.5	5
28-Aug-12	6	354, dinu road, mogbazar	electric line	pucca	commercial	Tejgaon	after	0.25	5
28-Aug-12	16	manik nagar, basabo	electric line	pucca	public service	Khilgaon	after	0.6	10
28-Aug-12	9	53, moddho paikpara, anser camp, mirpur-1	cigarette	open space	open space	Mirpur	before	0.005	0.1
29-Aug-12	25	east rampura, jamtola	electric line	kutcha	residential	Khilgaon	before	0.5	1
30-Aug-12	15	61/e, moiful road, cant.	electric line	pucca	residential	Kurmitola	before	1	
30-Aug-12	15	4/e, chowdhury para, malibag	gas line	gas installatio	road	Khilgaon	after	0.01	
30-Aug-12	5	147/148 zoo road, section-2, mirpur	electric line	pucca	residential	Mirpur	before	0.4	1
31-Aug-12	6	79, kakrail v.i.p. road	electric line	pucca	residential	Siddiq bazar	after	0.15	5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
1-Sep-12	6	189, satarkul road, uttor road	electric line	semi-pucca	commercial	Baridhara	after	2	3
1-Sep-12	6	r-9, h-3, plot-NE(e), gulshan-2	electric line	pucca	residential	Baridhara	before	0.3	2
1-Sep-12	6	near cholera hospital, mohakhali	electric line	electric installa	road	Tejgaon	after	-	
1-Sep-12	4	h-1/a, r-2, sector-3, uttara	electric line	pucca	commercial	Tongi	before	1	17
1-Sep-12	11	1391, purbanandi para, khilgao	gas riser	pucca	residential	Khilgaon	after	0.2	10
2-Sep-12	6	56/3, horicoron road, gendaria	electric line	pucca	mixed	Postogola	after	0.05	0.3
2-Sep-12	9	111, bir uttom CR dotto road,		under construc	under construct	Tejgaon	before	5	10
2-Sep-12	2	beniyan foods ltd.' 153, love road, tejgao IA	electric line	pucca	industrial	Tejgaon	after	0.05	1
3-Sep-12	16	C.M.T.D gate, dhaka senanibash	electric line	electric installa	road	Kurmitola	before	0.3	-
3-Sep-12	7	72/1, muktijoddha complex south para, rosulbag, moh	electric line	pucca	commercial	Tejgaon	after	0.02	0.5
3-Sep-12	4	12/6, umo/c, r-02, shyamoly	electric line	pucca	residential	Mohammadp	before	0.02	3
5-Sep-12	9	neer-DO, J.S. horse, 345, r-25	electric line	pucca	residential	Tejgaon	before	0.005	0.5
5-Sep-12	5	plot- MIC, mirpur-14	cigarette	semi-pucca	commercial	Mirpur	after	0.2	5
5-Sep-12	9	h-5, r-5, green road	electric line	pucca	residential	Mohammadp	after	1	10
6-Sep-12	11	h-440, r-30, DOHS mohakhali	electric line	semi-pucca	residential	Tejgaon	after	0.05	0.3
6-Sep-12	11	section-11, block-e, avenue-4, lalmatia	gas riser	pucca	residential	Mirpur	after	0.02	
9-Sep-12	16	west islambag	electric line	semi-pucca	industrial	Lalbag	before	-	-
9-Sep-12	20	r-21,plot-31, shyampur, postogola	machine	pucca	industrial	Postogola	after	-	7
9-Sep-12	26	TCB bhabon, karwan bazar	electric line	pucca	commercial	Mohammadp	before	0.01	0.5
10-Sep-12	13	r-5, h-50, dhanmondi	electric line	pucca	residential	Mohammadp	after	1	1
11-Sep-12	13	matuail bazar	gas line	gas installatio	road	Demra	after	0.01	-
11-Sep-12	10	47, siddhesshori	electric line	pucca	residential	Siddiq bazar	after	0.5	5
12-Sep-12	5	r-7, block-2, shyampur	gas line	pucca	commercial	Postogola	before	0.5	100
12-Sep-12	16	h-12, r-36, sector-9, uttara	electric line	pucca	residential	Tongi	after	1	5
14-Sep-12	10	h-2/b, r-16, nikunja-2	gas line	gas installatio	road	Kurmitola	after	-	
14-Sep-12	2	beside wasa, near fire station, tejga	electric line	electric installa	road	Tejgaon	after	0.02	1
17-Sep-12	9	h-251, block-c, section-6 mirpur	machine	semi-pucca	industrial	Mirpur	before	-	
18-Sep-12	5	47 hornath gosh road, lalbag	electric line	pucca	industrial	Lalbag	after	1	5
18-Sep-12	6	darussalam road, mirpur-1	gas line	gas installatio	road	Mirpur	before	0.005	
19-Sep-12	6	r-2, h-4, shop-2, shyamoly, mirpur road	electric line	pucca	residential	Mohammadp	after	5	25
20-Sep-12	6	300/2 shadhinota sarani, senanibash	electric line	kutcha	residential	Kurmitola	before	-	
20-Sep-12	7	besude CMH sheba nir, senanibash	electric line	pucca	residential	Kurmitola	after	0.001	10
20-Sep-12	5	north begunbari, tejga	cigarette	kutcha	slum	Tejgaon	after	53	60
20-Sep-12	6	ibrahimpur bazar, kafrul	electric line	semi-pucca	commercial	Mirpur	after	1	5
23-Sep-12	11	7/f, ra..skin street, wari	electric line	pucca	residential	Siddiq bazar	before	0.4	20
23-Sep-12	15	r-3, h-17/ka, kallyanpur	gas riser	pucca	residential	Mohammadp	after	0.05	
24-Sep-12	35	112, moucak, anarkoli market	electric line	pucca	commercial	Siddiq bazar	after	18	5
24-Sep-12	30	modhunag, mogbazar	gas line	gas installatio	road	Tejgaon	before	0.006	-
24-Sep-12	11	alauddin tower, sector-3, uttara	electric line	pucca	commercial	Tongi	after	1	
24-Sep-12	10	2 no. sujat plaza, sujat nagar, mirpur-12	electric line	pucca	industrial	Mirpur	after	15	50
24-Sep-12	4	college gate, mohammadpur	electric line	pucca	public service	Mohammadp	before	0.1	0.2
25-Sep-12	20	25/ka, shahid aziz sorok, jogonnathpur, norda	weilding	semi-pucca	commercial	Baridhara	after	25	95
25-Sep-12	15	8/1, uttor, jatrabari	machine	semi-pucca	industrial	Postogola	after	1	50
26-Sep-12	21	plot-61, r-24/27, gulshan-1	electric line	pucca	residential	Baridhara	before	0.3	2
26-Sep-12	21	ba-11, dakkhin badda	electric line	semi-pucca	commercial	Baridhara	after	25	40
27-Sep-12	5	4 no. tosha khana road	electric line	electric installa	road	Siddiq bazar	after	0.04	-
28-Sep-12	2	h-22, east nobi nagar, kamrangir car	chemical reaction	semi-pucca	industrial	Lalbag	after	1.5	3
28-Sep-12	15	vagonpur lane, beside hazi kholish sorder krishi marke	electric line	pucca	commercial	Palashi	before	-	-
28-Sep-12	5	katabon, hatirpul	electric line	electric installa	road	Palashi	after	0.02	0.05
28-Sep-12	4	amtoli, mohakhali	electric line	electric installa	road	Tejgaon	after	-	-
28-Sep-12	18	h-43, r-1, block-h, section-1, mirpur	stove	pucca	residential	Mirpur	before	2	10
28-Sep-12	15	r-1, DOHS, mirpur-12	electric line	pucca	commercial	Mirpur	after	0.05	5
2-Oct-12	31	143/a, arambag	electric line	pucca	commercial	Siddiq bazar	before	0.2	1
4-Oct-12	21	h-2, r-23, sector-7, uttara	gas riser	pucca	residential	Tongi	after	0.05	2
5-Oct-12	5	120/37 a, hallyken road, batamor	electric line	pucca	commercial	Palashi	after	0.05	10
5-Oct-12	8	baly?society, new baly road	cigarette	pucca	residential	Siddiq bazar	before	0.005	
6-Oct-12	5	hazi nagar, sarulia,demra	electric line	semi-pucca	residential	Demra	before	0.05	0.1
6-Oct-12	5	bangladesh shocibaloy, 9 no. building	electric line	pucca	commercial	Siddiq bazar	before	0.01	100
6-Oct-12	5	h-28, kot bari, abdullahpur, uttara	gas riser	pucca	residential	Tongi	after	0.01	0.1
7-Oct-12	15	h-9, r-12, sector-10, uttara	machine	pucca	residential	Tongi	before	-	-
7-Oct-12	5	scholastica school, mirpur-13,	gas line	pucca	public service	Mirpur	before	0.01	-
7-Oct-12	13	h-41, r-10/a, dhanmondi	electric line	pucca	commercial	Mohammadp	after	5	50
8-Oct-12	10	sat tola bosti, mohakhali	stove	kutcha	slum	Tejgaon	after	in	in
9-Oct-12	3	h-12/14, r-2, section-7, mirpur	electric line	pucca	industrial	Mirpur	before	1	35
10-Oct-12	3	86, shotontro signal brigrade, senanibash	electric line	electric installa	road	Kurmitola	after	0.4	
10-Oct-12	6	164, DIT extention road, fokirapul	gas line	pucca	industrial	Siddiq bazar	after	0.5	10
10-Oct-12	11	h-5/1 k..., ahammad nagar, moddho paik para, mirpur	electric line	pucca	residential	Mirpur	before	0.09	0.3
11-Oct-12	2	B.S.D. staff quarter, dhaka senanibash	electric line	electric installa	road	Kurmitola	after	0.01	0.05
12-Oct-12	10	moddho badda, over bridge	gas line	gas installatio	road	Baridhara	before	0.05	0.5
12-Oct-12	3	1/h, 2/14, kol wala para, mirpur-1	gas line	gas installatio	road	Mirpur	before	-	-
12-Oct-12	23	h-44, r-4/a, dhanmondi	candle	pucca	residential	Mohammadp	before	0.025	0.5
12-Oct-12	15	38, alamin road, green road	gas line	gas installatio	road	Mohammadp	before	0.005	-
13-Oct-12	12	plot-110, r-27, block-a, banani	electric line	semi-pucca	residential	Baridhara	after	1	2

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
13-Oct-12	10	29 tuyen b circular road, motijheel	electric line	pucca	commercial	Siddiq bazar	after	0.02	0.5
13-Oct-12	11	mirpur-14, s-2, main road-1	electric line	pucca	industrial	Mirpur	before	0.006	10
14-Oct-12	15	79/2, west islambag	gas cilinder	pucca	residential	Lalbag	after	0.01	0.2
14-Oct-12	7	mohakhali kutcha bazar	electric line	kutcha	commercial	Tejgaon	after	8	12
15-Oct-12	15	lal moshjid, shyampur, postogola	electric line	semi-pucca	industrial	Postogola	after	10	20
16-Oct-12	18	8 no. ..h shaheb lane, narinda	electric line	pucca	industrial	Sadarghat	after	2	15
17-Oct-12	5	near BNP bosti, BNp market, west agargao		kutcha	commercial	Mohammadp	after	30	200
18-Oct-12	4	T&T office, gulistan	electric line	pucca	commercial	Siddiq bazar	before	0.05	5
18-Oct-12	15	h-13, r-6, sector-1, uttara	cigarette	pucca	residential	Tongi	after	3	15
18-Oct-12	25	h-b-28, flat-3, staff quarter, johuri moholla	stove	pucca	residential	Mohammadp	before	0.1	
20-Oct-12	1	postogola foteya iron market	gas line	semi-pucca	commercial	Postogola	after	0.1	10
20-Oct-12	5	53/c, nojira bazar, bongshal	electric line	pucca	residential	Siddiq bazar	before	4	10
21-Oct-12	10	baglojy shadhin soroni, uttor badda	electric line	kutcha	residential	Baridhara	before	2	3
21-Oct-12	5	julik pharma' 110, tejgao IA	electric line	pucca	commercial	Tejgaon	before	1	5
21-Oct-12	18	h-9, r-27, sector-07, uttara	machine	pucca	residential	Tongi	after	20	50
22-Oct-12	3	block-a, h-7, section-6, mirpur	electric line	pucca	residential	Mirpur	after	0.3	0.7
23-Oct-12	10	yummy fast food, 141/1, bijoy shorony	stove	pucca	commercial	Mohammadp	after	0.005	3
24-Oct-12	11	r-6, block-c, h-55, banani	cigarette	pucca	residential	Baridhara	after	2	5
24-Oct-12	8	181/b, tejgao IA	machine	pucca	industrial	Tejgaon	after	3	5
25-Oct-12	5	29/1, lar mini street, wari	electric line	pucca	mixed	Sadarghat	after	0.5	5
25-Oct-12	5	eastbay?l market, sadarghat	cigarette	pucca	commercial	Sadarghat	before	5	30
25-Oct-12	12	h-12, sector-13, gaush?ave, uttara	electric line	pucca	commercial	Tongi	after	15	50
25-Oct-12	20	shimanto square, dhanmondi	electric line	pucca	commercial	Mohammadp	after	5	65
26-Oct-12	13	baytul aman market, 172, tejturi bazar, tejgao	electric line	pucca	commercial	Tejgaon	before	0.005	1
27-Oct-12	3	62/1, siddiq bazar	cigarette	pucca	residential	Siddiq bazar	after	0.05	5
27-Oct-12	11	h-291, r-19/b, mohakhali DOHS	electric line	pucca	residential	Tejgaon	before	0.1	1
27-Oct-12	10	r-12, plot-15,sector-14,uttara	electric line	pucca	commercial	Tongi	after	48	200
27-Oct-12	8	540/1, khilgao, tilpa para	electric line	pucca	commercial	Khilgaon	after	6	10
27-Oct-12	7	7/a, dhanmondi	electric line	semi-pucca	commercial	Mohammadp	after	1	0.5
29-Oct-12	5	172/...tar wall road, lalbag	electric line	semi-pucca	industrial	Lalbag	after	0.1	0.6
29-Oct-12	6	79 no, kazi nazrul islam avenue, farmgate	electric line	pucca	commercial	Tejgaon	after	2	3
29-Oct-12	16	6 no, uttor basabo, khilgao	coel	kutcha	commercial	Khilgaon	before	0.5	2
29-Oct-12	7	76,ka, kalabagan, boshiruddin road	gas line	gas installatio	road	Mohammadp	after	0.02	-
29-Oct-12	16	36, nizami road, rayer bazar, moh.pur	electric line	kutcha	residential	Mohammadp	before	0.4	1
30-Oct-12	12	sukushi, demra	cigarette	kutcha	commercial	Demra	after	0.1	0.2
30-Oct-12	7	dakkhin bonosree	gas riser	pucca	residential	Khilgaon	before	0.06	
1-Nov-12	15	98, prem bagan, dakkhin khan, ashkona	gas riser	pucca	residential	Tongi	after	0.05	5
3-Nov-12	6	528/1, west raj?ra, tejgao	electric line	pucca	commercial	Tejgaon	after	1.5	2
3-Nov-12	6	17/1, kunipara, tejgao	electric line	kutcha	industrial	Tejgaon	after	0.05	2
3-Nov-12	5	jikatola mor, dhanmondi	gas line	gas installatio	road	Mohammadp	after	-	-
4-Nov-12	6	kaptan bazar, 'mangsho potti'	electric line	electric installa	road	Siddiq bazar	after	0.25	0.65
4-Nov-12	19	biman bondor rail station	electric line	pucca	public service	Tongi	after	0.5	2
4-Nov-12	35	r-9, h-14, block-g, dakkhin bonosree	cigarette	pucca	mixed	Khilgaon	after	5	20
4-Nov-12	5	city super market, khilgao, taltola	electric line	kutcha	commercial	Khilgaon	after	0.02	1
4-Nov-12	15	12/2, shahid minar road, kallyanpur	gas riser	pucca	residential	Mirpur	after	0.2	-
4-Nov-12	10	128/1, east rajabazar	electric line	pucca	residential	Mohammadp	after	0.03	0.5
4-Nov-12	17	staff quarter, johuri moholla, moh. Pur	electric line	semi-pucca	commercial	Mohammadp	before	0.1	0.3
6-Nov-12	15	noyagonj courasta, 2 no goli, 2 no, rasta, kamringir ch	electric line	kutcha	residential	Lalbag	after	3	6
6-Nov-12	3	satrasta mor, tejgao	electric line	pucca	residential	Tejgaon	after	0.3	0.3
6-Nov-12	20	h-23, r-06, baytul aman housing, adabor	electric line	semi-pucca	industrial	Mohammadp	after	6.5	50
6-Nov-12	3	58/8 russel sqare, panthapath	electric line	pucca	commercial	Mohammadp	before	0.03	10
8-Nov-12	15	tenary mor, sher-e-bangla road, hazaribag	gas line	gas installatio	road	Palashi	after	0.1	
9-Nov-12	11	r-126/127, h-12, gulshan-1	electric line	pucca	residential	Baridhara	before	3	5
9-Nov-12	3	629 no taltola, mogbazar	gas line	gas installatio	road	Tejgaon	after	-	-
10-Nov-12	14	9/1 becaram dewry, lalbag	gas line	gas installatio	road	Lalbag	after	0.01	-
10-Nov-12	25	234 madrasa road, kutubkhali, jatrabari	gas cilinder	pucca	residential	Postogola	after	0.2	10
10-Nov-12	15	30/1, r-11, sheker tek	electric line	semi-pucca	residential	Mohammadp	before	0.05	0.5
11-Nov-12	12	h-102, r-2, block-A, niketon gulshan	electric line	pucca	residential	Tejgaon	before	0.2	2
12-Nov-12	8	h-114, r-12, block-E, banani	electric line	pucca	residential	Baridhara	after	5	20
12-Nov-12	3	70/1 no hazi osman goni road	electric line	pucca	industrial	Siddiq bazar	after	20	100
13-Nov-12	6	37 no city corporation market, nilkhet	electric line	pucca	commercial	Palashi	after	-	-
13-Nov-12	15	gulfashion plaza, mogbazar	electric line	pucca	commercial	Tejgaon	before	-	
14-Nov-12	22	800 puratan dhonia, kadamtoli	electric line	semi-pucca	industrial	Postogola	after	1	10
15-Nov-12	15	kuwait embasy, r-4, h-16, baridhara	electric line	pucca	commercial	Baridhara	after	-	-
15-Nov-12	4	in front of ASU, senanibash	electric line	electric installa	road	Kurmitola	before	0.1	
16-Nov-12	10	385/1 bonosree road, germents goli, rampura	electric line	pucca	commercial	Khilgaon	after	5	50
17-Nov-12	10	15 nondokumar dotto road, lalbag	electric line	pucca	commercial	Lalbag	before	0.1	5
17-Nov-12	25	r-26, h-14, sec-7, uttara	electric line	electric installa	road	Tongi	before	-	
17-Nov-12	10	beriband, turag city, mir-1	electric line	kutcha	commercial	Mirpur	after	10	5
18-Nov-12	3	10 nahira bazar	electric line	semi-pucca	residential	Siddiq bazar	before	0.05	2
18-Nov-12	5	MIC mirpur 14	electric line	kutcha	commercial	Mirpur	after	0.5	1
18-Nov-12	8	61/1, bou bazar, sonaton ghor, hazaribag	electric line	kutcha	commercial	Mohammadp	after	in	in
19-Nov-12	5	29 islampur, kotwali	electric line	electric installa	road	Sadarghat	after	0.4	5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
20-Nov-12	7	BGB headquarter	electric line	electric installa	road	Palashi	before	0.05	10
20-Nov-12	16	1 no house, rayer bag	electric line	kutcha	residential	Postogola	before	0.2	0.25
20-Nov-12	5	fulbari, ghorar goli, uttara bank beside	electric line	pucca	commercial	Siddiq bazar	before	0.01	100
21-Nov-12	3	BSD gate, dhaka senanibash	electric line	pucca	residential	Kurmitola	after	0.2	10
22-Nov-12	25	hridoy enterprize, uttar rayerbag, jatrabari	electric line	kutcha	industrial	Postogola	after	20	50
22-Nov-12	5	7 a. hadi lane, bongshal	electric line	pucca	residential	Siddiq bazar	before	1	1
22-Nov-12	3	43, happyhome konapara	electric line	pucca	residential	Tejgaon	after	0.05	0.1
22-Nov-12	10	german technical, mirpur-2	electric line	electric installa	road	Mirpur	after	0.1	
22-Nov-12	5	2/E-5/7 mirpur-2	electric line	pucca	commercial	Mirpur	after	5	10
22-Nov-12	3	r-3, h-27, dhanmondi	electric line	electric installa	road	Mohammadp	after		
22-Nov-12	25	40 B, indira road, farmgate	electric line	pucca	residential	Mohammadp	after	0.1	5
22-Nov-12	5	h-57/5, block-s join quarter, ticca para	electric line	pucca	residential	Mohammadp	after	10	5
23-Nov-12	3	59, shahid tajuddin ahmed road, rasulbag, mohakhali		pucca	residential	Tejgaon	before	0.01	1
23-Nov-12	7	37/4 sadek khan road, rayer bazar	electric line	kutcha	residential	Mohammadp	before	0.15	2
24-Nov-12	5	chandhima market, newmarket	electric line	pucca	commercial	Palashi	before	-	-
25-Nov-12	5	r-17/A, b-E, h-34, banani	electric line	pucca	residential	Baridhara	after	1	5
25-Nov-12	5	25 uttar begun bari, tejga	electric line	pucca	residential	Tejgaon	after	1.5	5
25-Nov-12	15	zia koloni, cant	electric line	pucca	residential	Mirpur	after	0.1	3.4
26-Nov-12	5	executive technology, h-49,r-7, baridhara	electric line	pucca	commercial	Baridhara	after	5	10
26-Nov-12	20	sir denim germents, 258, mollartek, dakkhin khan	electric line	pucca	industrial	Kurmitola	after	in	-
26-Nov-12	4	CMTD cantin, dhaka senanibassh	gas line	pucca	commercial	Kurmitola	after	-	-
26-Nov-12	5	23 tikkatuli, bongshal	electric line	pucca	industrial	Siddiq bazar	before	0.01	2
26-Nov-12	7	near holy family hospital	electric line	electric installa	road	Siddiq bazar	after	0.015	0.05
26-Nov-12	11	32 razar douri, sadarghat	electric line	pucca	residential	Sadarghat	before	0.15	1
26-Nov-12	11	moshjid goli, west tejtori bazar	gas line	gas installatio	road	Tejgaon	before	0.005	
26-Nov-12	10	15/E jhigatola	electric line	pucca	residential	Mohammadp	before	0.5	
27-Nov-12	3	45 BK das road, faras gonj	electric line	semi-pucca	commercial	Postogola	before	-	-
27-Nov-12	3	ananda bazar, shahbag	electric line	pucca	commercial	Siddiq bazar	after	0.02	2
27-Nov-12	4	southern CNG conversion, tejga	gas line	gas installatio	road	Tejgaon	after	0.1	-
27-Nov-12	3	r-17, h-4, b-c mirpur-10	electric line	pucca	residential	Mirpur	after	0.1	1
27-Nov-12	9	166/2, lake circus, kolabagan	electric line	pucca	residential	Mohammadp	after	2	5
28-Nov-12	10	plot-9, r-12, shyampur, kadamtoli	cigarette	pucca	commercial	Postogola	before	-	-
28-Nov-12	5	city super market, fulbaria	cigarette	pucca	commercial	Siddiq bazar	after	0.01	50
28-Nov-12	8	concord germents, plot-3, r-5, section-7, mirpur	electric line	pucca	industrial	Mirpur	before	-	-
29-Nov-12	5	4 no. wage ghat, sadarghat	cigarette	open space	open space	Sadarghat	before	0.15	2
29-Nov-12	10	25/2, shahali bag, mirpur-1	electric line	pucca	industrial	Mirpur	before	-	-
29-Nov-12	5	473, uttor ebrahimpur, kafrul	gas riser	pucca	industrial	Mirpur	before	0.05	0.1
30-Nov-12	8	h-18, r-18/a, gulshan-2	electric line	pucca	residential	Baridhara	before	0.005	0.2
30-Nov-12	20	din market, jonpotti, cakbazar	electric line	pucca	commercial	Lalbag	after	0.4	2
30-Nov-12	25	basher pul, demra	electric line	pucca	residential	Demra	after	1	
30-Nov-12	7	h-3/84, r-8, block-c, section-6, mirpur	machine	pucca	residential	Mirpur	before	1	3
30-Nov-12	7	plot-11, block-b, lane-12, ave-5, mirpur-11	electric line	pucca	residential	Mirpur	before	0.05	0.2
30-Nov-12	5	plot-s/16, section-14, mirpur	machine	pucca	industrial	Mirpur	before	0.02	20
1-Dec-12	18	168, nobabpur road	electric line	pucca	commercial	Siddiq bazar	after	0.6	100
1-Dec-12	16	26/a, ahmed nagar, section-2, mirpur	electric line	pucca	residential	Mirpur	before	0.5	2
1-Dec-12	10	h-3, dhanmondi	electric line	pucca	residential	Mohammadp	after	0.1	2
1-Dec-12	5	h-7, r-4, mirpur road, dhanmondi	electric line	pucca	commercial	Mohammadp	after	0.2	5
2-Dec-12	20	346, adorsho balika biddaloy road, dhonia, jatrabari	electric line	semi-pucca	industrial	Postogola	after	1	10
2-Dec-12	20	boubazar, shekhdi courasta, vangi press, jatra bari	gas cilinder	under construc	under construct	Postogola	before	0.06	-
3-Dec-12	12	nimtoli, matuail, jatrabari	cigarette	open space	open space	Demra	after	0.5	4
3-Dec-12	5	228/a, tejgao IA	electric line	pucca	industrial	Tejgaon	before	0.05	2
3-Dec-12		15/1, taposh fashion ltd., malibag	electric line	pucca	industrial	Khilgaon	before	-	-
4-Dec-12	5	4 no. azampur govt. collony, palashi	gas line	gas installatio	road	Palashi	after	0.05	-
4-Dec-12	17	80/a, dakkhin mugda	stove	pucca	residential	Khilgaon	after	0.25	5
4-Dec-12	9	r-6, h-1, block-ka, section-8, mirpur	electric line	semi-pucca	commercial	Mirpur	after	15	20
4-Dec-12	12	kallyanpur pora bosti, kallyanpur	electric line	kutcha	commercial	Mirpur	before	0.5	1
5-Dec-12	7	60, kamal ataturk avenue, banani	electric line	pucca	commercial	Baridhara	before	0.1	0.5
5-Dec-12	12	36, mumin bag, jatrabari	gas riser	pucca	residential	Demra	after	0.5	2
5-Dec-12	15	vashantek, 1 no. bosti, cant.	electric line	kutcha	slum	Kurmitola	before	0.25	0.35
5-Dec-12	10	62/63, malitola road	electric line	pucca	industrial	Siddiq bazar	after	1	10
6-Dec-12	20	purbo ali nagar, koborosthan road, kamrangir car	cigarette	pucca	industrial	Lalbag	before	1	5
6-Dec-12	10	385-a, uttor shahjahanpur	gas riser	pucca	residential	Khilgaon	after	0.3	5
6-Dec-12	7	226, west kafrul, taltola	electric line	semi-pucca	commercial	Mirpur	after	2	8
7-Dec-12	15	pump bosti, dokkhin kamlapur	stove	kutcha	slum	Khilgaon	after	5	15
8-Dec-12	10	wasa bhabon, karwan bazar	cigarette	pucca	commercial	Tejgaon	before	0.05	0.2
8-Dec-12	9	1097, uttor goran	electric line	electric installa	road	Khilgaon	before	0.6	5
9-Dec-12	22	77/6/c, purbo manik nagar	cigarette	pucca	residential	Khilgaon	after	0.5	25
9-Dec-12	4	monipur, mirpur-2	gas cilinder	pucca	residential	Mirpur	before	0.005	-
9-Dec-12	5	152/8, green road, pantha path	cigarette	under construc	under construct	Mohammadp	before	0.02	-
10-Dec-12	7	eskaton road	electric line	electric installa	road	Siddiq bazar	before	-	-
11-Dec-12	15	r-8, h-2/B, baridhara	electric line	pucca	residential	Baridhara	before	0.2	1
11-Dec-12	10	122/4 sultangonj, rayer bazar	gas line	pucca	residential	Mohammadp	after	-	
12-Dec-12	5	dhali market, balughat bazar, cant.	electric line	kutcha	commercial	Kurmitola	after	15	40

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
12-Dec-12	7	45, nayabazar, samsabad	gas line	gas installatio	road	Siddiq bazar	after	0.005	0.03
12-Dec-12	10	city super market, taltola,khilgao	gas line	gas installatio	road	Khilgaon	after	0.5	0.5
12-Dec-12	4	goal cakkar, mirpur-1	electric line	electric installa	road	Mirpur	after	0.01	25
12-Dec-12	5	infront of comfort hospital, green road	electric line	electric installa	road	Mohammadp	after	0.1	
13-Dec-12	8	188, satarkul, uttar badda	electric line	pucca	commercial	Baridhara	after	0.05	2
13-Dec-12	17	sec-14, r-19, uttara	gas line	gas installatio	residential	Tongi	after	0.1	
13-Dec-12	5	mazar road, 2nd road, mirpur-1	gas line	gas installatio	road	Mirpur	after		
13-Dec-12	6	in front of monipur, school, shewrapara	electric line	electric installa	road	Mirpur	after	2	8
15-Dec-12	11	near C & F office, kamlapur	electric line	kutcha	residential	Khilgaon	after	0.6	
16-Dec-12	5	14/2, east kunipara, tejgao IA	electric line	pucca	industrial	Tejgaon	before	-	-
16-Dec-12	10	b-A, r-17, 86/2, khilgao	electric line	pucca	residential	Khilgaon	after	0.02	0.1
19-Dec-12	12	sia mazar dhal, h-735, shahinbag	electric line	pucca	residential	Tejgaon	before	1	3
20-Dec-12	5	8/1/A topkhana road, shegunbagica	electric line	pucca	residential	Siddiq bazar	after	1.5	10
21-Dec-12	45	borua school bazar, sumon market, dewanpara, khilkh	electric line	kutcha	commercial	Kurmitola	after	2.3	5
21-Dec-12	6	r-18, plot-3, shyampur	electric line	pucca	residential	Postogola	after	10	500
21-Dec-12	2	108, islampur, khalek menson	electric line	electric installa	road	Sadarghat	after	0.1	2
21-Dec-12	5	infront ofEPI project bhobon, mahakhali shastho odhi	electric line	pucca	public service	Tejgaon	after	30	90
21-Dec-12	5	sat rasta, tejga IA	electric line	electric installa	road	Tejgaon	after	0.05	0.2
22-Dec-12	7	E-13, moddho badda, lutfor tower	electric line	pucca	residential	Baridhara	before	1	-
22-Dec-12	15	57/76 kaptan bazar	electric line	pucca	residential	Siddiq bazar	before	0.05	5
22-Dec-12	10	azompur, sec-3, uttara	electric line	pucca	mixed	Tongi	before	0.5	
22-Dec-12	43	142, north maniknagar graveyard, sobujbag	electric line	pucca	residential	Khilgaon	before	0.4	
22-Dec-12	20	darussalam society, r-10, balur math	electric line	kutcha	residential	Mirpur	after	3	2
23-Dec-12	12	bongobhabon	electric line	pucca	residential	Siddiq bazar	after	0.1	
23-Dec-12	22	213/9 west agargaon	electric line	pucca	residential	Mohammadp	before	-	-
24-Dec-12	25	adarsha girls school, dakkhin khan	electric line	pucca	public service	Tongi	before	0.1	1.5
25-Dec-12	15	sec-6, h- 26, lane-1 mirpur	electric line	pucca	residential	Mirpur	before	0.05	1
26-Dec-12	10	62, park road, baridhara	electric line	electric installa	road	Baridhara	after	0.2	0.5
26-Dec-12	20	plot-135, r-12, banani,	electric line	pucca	residential	Baridhara	before	0.4	-
26-Dec-12	15	32, kayet tuli, nimtola	electric line	pucca	industrial	Siddiq bazar	before	0.3	2
26-Dec-12	15	12/2, BK das road, forashgonj, sutrapur	electric line	semi-pucca	commercial	Sadarghat	before	0.005	2
26-Dec-12	15	24, modon shaha lane, forashgonj, sutrapur	electric line	pucca	residential	Sadarghat	after	2	5
26-Dec-12	8	DCC market, gulshan-1,	electric line	pucca	commercial	Tejgaon	after	2	5
26-Dec-12	8	nakhal para shomiti bazar	electric line	semi-pucca	industrial	Tejgaon	after	0.1	0.3
27-Dec-12	15	1/1, bongobundhu avenue	electric line	pucca	residential	Siddiq bazar	after	0.2	1
27-Dec-12	2	17 agamoshi lane	electric line	pucca	industrial	Siddiq bazar	after	0.2	5
27-Dec-12	8	714, south shahjahan pur,	electric line	pucca	residential	Khilgaon	before	0.3	
28-Dec-12	19	289/A , r-15, block-C, boshundhara	electric line	pucca	residential	Baridhara	before	0.1	0.5
28-Dec-12	16	in front of mannan plaza, khilkhet	electric line	electric installa	road	Kurmitola	before	0.2	0.3
28-Dec-12	35	36/19, mujahid nagar, kadamtoli	gas cilinder	pucca	residential	Postogola	before	0.005	0.2
28-Dec-12	10	3 basabo, khilga	electric line	semi-pucca	commercial	Khilgaon	after	3	6
28-Dec-12	5	22/E, 2/67 kalshi graveyard, mirpur-12	cigarette	open space	public service	Mirpur	before	0.3	5
29-Dec-12	9	100 mohakhali	electric line	pucca	residential	Tejgaon	before	0.01	0.5
30-Dec-12	9	jatrabari mor overbridge	cigarette	open space	road	Postogola	after	3	15
30-Dec-12	8	50 nazimuddin road, bongshal	electric line	pucca	industrial	Siddiq bazar	after	0.7	5
30-Dec-12	31	r-10, h-177, block-b, sec-12, mirpur	electric line	pucca	residential	Mirpur	before	0.1	5
30-Dec-12	15	3/7/2 boro bag, mirpur-2	electric line	pucca	residential	Mirpur	before	1	10
31-Dec-12	15	49 A/B 2nd collony, mazar road, mirpur	electric line	semi-pucca	residential	Mirpur	before	2	3
31-Dec-12	10	63/C sher-e-bangla road, mohpur	electric line	pucca	residential	Mohammadp	before	0.05	0.5
1-Jan-13	10	67 islam bag	electric line	semi-pucca	commercial	Lalbag	before	-	-
1-Jan-13	16	22 azimpur	electric line	semi-pucca	industrial	Palashi	after	0.2	5
2-Jan-13	1	in front of rani mohol cinema	electric line	electric installa	road	Demra	after	2	5
2-Jan-13	10	49, science laboratory, hatirpul, mirpur road	electric line	pucca	mixed	Palashi	before	0.5	5
2-Jan-13	15	4/2 nilambor sa road, hazaribag	electric line	semi-pucca	residential	Palashi	after	0.2	1
2-Jan-13	6	near gundi ghar bosti ekota club, near gendaria rail lin	electric line	kutcha	commercial	Postogola	after	10	50
2-Jan-13	10	419/420 tejga IA	electric line	pucca	industrial	Tejgaon	after	-	-
3-Jan-13	3	80/2 siddiq bazar	electric line	pucca	industrial	Siddiq bazar	after	0.25	2
4-Jan-13	7	r-24, h-39, gulshan 1	electric line	pucca	residential	Baridhara	after	1	2
5-Jan-13	15	shajalal airport	electric line	pucca	public service	Kurmitola	before	0.05	20
5-Jan-13	9	in front of standard chartered	electric line	electric installa	road	Siddiq bazar	after	0.4	
5-Jan-13	8	engineering institute	electric line	pucca	commercial	Siddiq bazar	after	1	10
6-Jan-13	12	54, R. K. mission road	electric line	pucca	residential	Siddiq bazar	before	0.25	2
6-Jan-13	7	Dhaka medical	electric line	pucca	public service	Siddiq bazar	after	0.25	
7-Jan-13	5	army -r court marshal bhabon, cantonment	electric line	pucca	commercial	Kurmitola	after	1	4
7-Jan-13	16	435/1,boro moghbazar, wireless rail gate	electric line	pucca	residential	Siddiq bazar	before	0.15	
7-Jan-13	14	h-11, r-2/A, banani	electric line	pucca	residential	Tejgaon	after	0.2	2
7-Jan-13	16	rasulbag, mohakhali	electric line	kutcha	slum	Tejgaon	after	7	9
7-Jan-13	25	21,new easkaton road,moghbazar	electric line	pucca	residential	Tejgaon	after	2	10
9-Jan-13	20	h-203, r-2, shapla housing , agargaon,sher-e	gas line	pucca	residential	Mohammadp	after	0.01	0.03
10-Jan-13	4	151/4, zia coloni	electric line	pucca	residential	Kurmitola	before	0.3	
10-Jan-13	3	bongobundhu hospital	electric line	pucca	public service	Siddiq bazar	before	0.15	
10-Jan-13	13	84/9 purba rampura	electric line	pucca	residential	Khilgaon	after	2	100
10-Jan-13	10	352/3, modho pirerbagh	electric line	pucca	residential	Mirpur	after	0.1	0.5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
11-Jan-13	3	37/4, palashi azad staff quarter	electric line	pucca	residential	Palashi	after	0.1	1
12-Jan-13	8	1/1/d west hazipara, rampura	electric line	pucca	residential	Khilgaon	after	1.5	20
12-Jan-13	10	5/a,dhanmondi	electric line	pucca	commercial	Mohammadp	after	0.5	100
13-Jan-13	5	495, jurain rail station	electric line	semi-pucca	commercial	Postogola	after	0.5	5
14-Jan-13	20	40, college road, arshokabad, kamrangir char	electric line	pucca	commercial	Lalbag	after	0.5	2
15-Jan-13	20	lithun group of industry	machine	pucca	industrial	Demra	before	10	100
17-Jan-13	6	19/1, shekh saheb bazar, azimpur	electric line	pucca	commercial	Palashi	after	0.05	2
17-Jan-13	10	fonic nagar, dhulpur slum	electric line	kutcha	residential	Postogola	before	0.3	
17-Jan-13	4	185/1, siddique bazar	electric line	semi-pucca	commercial	Siddiq bazar	after	0.2	1
17-Jan-13	6	77/a east raza bazar, panthapath	electric line	pucca	residential	Mohammadp	before	0.25	
18-Jan-13	10	138/15 lalbag road, azimpur	electric line	pucca	residential	Palashi	after	2	10
18-Jan-13	3	in front of mirpur stadium	electric line	electric installa	road	Mirpur	after	0.5	4
18-Jan-13	5	mirpur-6	electric line	electric installa	road	Mirpur	after	0.4	
19-Jan-13	19	39, mollar tek, dokkin khan	electric line	semi-pucca	residential	Kurmitola	before	0.3	2
19-Jan-13	3	near victoria park, sadarghat	electric line	kutcha	commercial	Sadarghat	after	0.1	0.05
21-Jan-13	2	27/a/5, dhakesshari road, lalbag	electric line	pucca	residential	Lalbag	before	-	
22-Jan-13	12	west ashrafa bad, kamrangir char	electric line	semi-pucca	industrial	Lalbag	after	15	20
23-Jan-13	16	519 huzur para,kamrangir char	electric line	pucca	industrial	Lalbag	after	4	10
23-Jan-13	10	mirzabari, moyla road, demra	electric line	semi-pucca	commercial	Demra	after	0.5	1
23-Jan-13	13	suiper colony, gonokutuli	electric line	semi-pucca	residential	Palashi	after	0.05	0.2
23-Jan-13	20	80 motojheel	electric line	pucca	commercial	Siddiq bazar	after	0.1	10
23-Jan-13	2	national heart foundation	electric line	pucca	public service	Mirpur	after	0.15	0.4
25-Jan-13	9	27 dhol pur	electric line	semi-pucca	commercial	Postogola	after	0.5	1
25-Jan-13	6	1119, fokirapul, motijheel	electric line	semi-pucca	commercial	Siddiq bazar	after	0.3	20
25-Jan-13	5	29/d, jinda bahar 2nd lane	electric line	pucca	industrial	Sadarghat	after	3	10
25-Jan-13	10	51, new eskaton road	electric line	pucca	residential	Tejgaon	before	0.3	
25-Jan-13	11	gulshan 1, goal chakkar	electric line	pucca	commercial	Tejgaon	before	0.1	1
26-Jan-13	18	mohordia, satarkul, badda	electric line	kutcha	residential	Baridhara	before	0.5	1
26-Jan-13	8	1084, khil barirtek, bou bazar,shahjad pur	electric line	pucca	commercial	Baridhara	after	200	0.5
26-Jan-13	2	shampur	electric line	pucca	commercial	Postogola	after	0.5	10
26-Jan-13	20	717, absar khan market, beri band, moh pur	electric line	pucca	industrial	Mohammadp	after	-	
26-Jan-13	16	4/a, h-7, sat majid,dhanmondi	electric line	pucca	commercial	Mohammadp	after	0.5	5
27-Jan-13	10	h-82, b-h, new airport road, chairman bari	electric line	pucca	commercial	Baridhara	after	0.2	5
27-Jan-13	14	15/3/1, 2 no shyamoly roadd, shyamoli	electric line	pucca	residential	Mohammadp	before	0.005	0.1
28-Jan-13	4	bongubondhu ave,BRT bus counter	electric line	electric installa	commercial	Siddiq bazar	before	0.01	0.5
28-Jan-13	12	infront of motijheel thaana	electric line	electric installa	road	Siddiq bazar	after	10	11
28-Jan-13	5	419/420 tejgaon IA	electric line	semi-pucca	industrial	Tejgaon	after	12	100
28-Jan-13	8	246/1/ west agargaon, sher-e bangla	electric line	pucca	industrial	Mohammadp	before	0.5	5
28-Jan-13	8	16/9 tajmohol road, FC mohpur	electric line	pucca	residential	Mohammadp	before	0.05	0.5
29-Jan-13	8	202, bijoy nagar	electric line	semi-pucca	commercial	Siddiq bazar	before	0.15	1
29-Jan-13	10	210 shahid nazrul islam sarani, puran paltan	electric line	semi-pucca	residential	Siddiq bazar	after	2	15
29-Jan-13	25	r-7,h-38 bonosrii	electric line	pucca	residential	Khilgaon	before	0.1	22
30-Jan-13	6	252 katabon	electric line	pucca	residential	Palashi	before	0.5	
30-Jan-13	7	39/40 pallabi	electric line	pucca	commercial	Mirpur	before	2	15
30-Jan-13	4	mirpur 10	electric line	electric installa	road	Mirpur	after	0.5	25
31-Jan-13	3	bangla academy	electric line	pucca	public service	Siddiq bazar	before	0.3	
1-Feb-13	5	eastern mollika, elephant road	electric line	pucca	commercial	Palashi	after	0.1	10
1-Feb-13	4	modon pallane, nobabpur	electric line	electric installa	road	Siddiq bazar	after	0.5	
1-Feb-13	13	ka-40 d-4 south badda	electric line	pucca	residential	Tejgaon	before	0.1	0.5
1-Feb-13	7	1/1 west rampura	electric line	semi-pucca	commercial	Khilgaon	after	6	15
1-Feb-13	5	307/5, dakin goran	gas line	pucca	residential	Khilgaon	after	0.05	1
1-Feb-13	8	sher-e bangla nagar thana	electric line	kutcha	slum	Mohammadp	after	25	20
1-Feb-13	2	sonar bangla filling station, azadgate	electric line	electric installa	road	Mohammadp	after	0.25	5
4-Feb-13	5	89 malibag, chowdhury para	electric line	pucca	public service	Khilgaon	before	0.1	
4-Feb-13	5	mirpur-12	electric line	pucca	public service	Mirpur	after	2	5
5-Feb-13	12	addhadhin hospital, moghbazar	electric line	pucca	public service	Siddiq bazar	before	0.1	1
5-Feb-13	10	376 DIT road, malbag mosque goli	electric line	electric installa	road	Khilgaon	after	0.25	1
5-Feb-13	3	mirpur 10	electric line	electric installa	road	Mirpur	after	0.2	10
5-Feb-13	3	13/b/1/b, babor road, mohpur	electric line	pucca	residential	Mohammadp	before	0.5	5
5-Feb-13	5	65/a monipuri para	electric line	pucca	residential	Mohammadp	before	0.05	1
6-Feb-13	12	bangla motor mor	electric line	electric installa	road	Siddiq bazar	before	0.25	
6-Feb-13	10	993 lal mia-r goli, meradia	electric line	pucca	residential	Khilgaon	before	0.05	1
6-Feb-13	3	31/4 borobag, sec-2, mirpur	electric line	pucca	residential	Mirpur	before	0.1	0.1
7-Feb-13	16	madrasa para, ashrafabad, kamrangir char	electric line	semi-pucca	residential	Lalbag	before	0.2	1
7-Feb-13	11	d/2 3rd colony, lalkuti bazar, mirpur 1	electric line	pucca	commercial	Mirpur	before	0.5	1
7-Feb-13	5	multiplan red cresent city, mirpur-1	electric line	pucca	commercial	Mirpur	before	0.2	10
8-Feb-13	20	alif nagar, h-636, badda union	electric line	pucca	residential	Baridhara	after	0.5	1
8-Feb-13	10	paiti shorok par, house-1, demra	machine	semi-pucca	industrial	Demra	after	0.5	1
8-Feb-13	20	201/2 patoari goli, purbo bashabo	electric line	pucca	residential	Khilgaon	after	0.2	1
8-Feb-13	8	plot-4, r-17, b-c, mirpur 13	electric line	pucca	commercial	Mirpur	before	0.45	
9-Feb-13	20	37/1 jhontu shikkha nibash, mohpur	electric line	pucca	mixed	Mohammadp	before	1	1.5
10-Feb-13	8	9/g motijheel ba area	electric line	pucca	mixed	Siddiq bazar	after	0.005	5
11-Feb-13	8	paiti shorok road, demra	electric line	semi-pucca	commercial	Demra	before	0.5	5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
11-Feb-13	5	66/3 hazi osman gazi road, bongshal	electric line	pucca	residential	Siddiq bazar	after	0.02	5
11-Feb-13	9	213 shahid saiyad nazrul islam sarani	electric line	pucca	residential	Siddiq bazar	before	0.1	
11-Feb-13	5	BG press staff quarter, satrasta, tejgao	electric line	pucca	residential	Tejgaon	after	0.15	
11-Feb-13	10	nobab-er rasta, kutcha satar road, diabari, mirpur-1	electric line	kutcha	slum	Mirpur	after	3	8
12-Feb-13	10	364,khondokar road, jurain	electric line	pucca	commercial	Postogola	before	2	10
12-Feb-13	13	167/2/2 iner circular road, eden complex, motijheel	electric line	pucca	commercial	Siddiq bazar	after	6	50
13-Feb-13	30	moddho badda, balur car, h-DS c-ta-168/2, gulshan 2	gas line	gas installatio	road	Baridhara	after	0.5	1
13-Feb-13	15	45 manda, shobujbag, dhaka	electric line	pucca	commercial	Siddiq bazar	before	0.25	3
13-Feb-13	15	57/76 kaptan bazar	electric line	pucca	residential	Siddiq bazar	after	1	8
13-Feb-13	16	holding-20, r-5, sec-5, uttara	electric line	pucca	public service	Tongi	before	0.2	
13-Feb-13	14	5/H darus salam road mirpur-1	electric line	pucca	commercial	Mirpur	before	0.25	10
13-Feb-13	16	82/B west vasantek, mirpur-14	electric line	semi-pucca	commercial	Mirpur	after	1	5
14-Feb-13	2	10/4 koromullar bag, posto gola	electric line	kutcha	mixed	Postogola	after	0.5	5
14-Feb-13	11	bonoshee, titas road, rampura	gas line	gas installatio	road	Khilgaon	after	0.4	
14-Feb-13	10	7/1 duaripara, mirpur	electric line	semi-pucca	commercial	Mirpur	before	2	5
14-Feb-13	8	kalu nagar, beriband, kamrangircar	electric line	semi-pucca	residential	Mohammadp	after	10	25
15-Feb-13	14	boro murgir farm, dogair, demra	electric line	pucca	commercial	Demra	before	2	10
15-Feb-13	20	airport	electric line	pucca	public service	Kurmitola	before	0.1	
15-Feb-13	5	vuiya, jhilpar, balurghat	electric line	semi-pucca	residential	Khilgaon	after	0.2	0.1
16-Feb-13	10	136 rishikesh das road, dailpotti, sutrapur	electric line	pucca	residential	Sadarghat	after	0.4	5
16-Feb-13	5	6/d, lane-15, mirpur-6, pallabi	electric line	pucca	commercial	Mirpur	before	3	10
16-Feb-13	9	kalsi, balurghat, pallabi, mirpur-12	electric line	kutcha	commercial	Mirpur	after	3	10
17-Feb-13	27	15/2 north jatrabari	electric line	pucca	residential	Postogola	before	1	
17-Feb-13	8	1 no, south komlapur sardar complex	electric line	pucca	industrial	Siddiq bazar	after	2	15
18-Feb-13	15	army aviation, old airport, tejgao	cigarette	open space	public service	Kurmitola	before	0	
18-Feb-13	20	r-13o, gulshan-1	electric line	semi-pucca	residential	Tejgaon	after	0.05	0.1
18-Feb-13	5	uttara, azampur	electric line	pucca	public service	Tongi	after	0.5	2
18-Feb-13	11	r-6, plot-30, shiyalbari, mirpur	electric line	pucca	commercial	Mirpur	before	3	15
20-Feb-13	15	26/1 2nd colony road,	electric line	pucca	residential	Mirpur	before	0.5	5
20-Feb-13	10	86, east kazipara	electric line	pucca	residential	Mirpur	before	2	3
21-Feb-13	10	124 arambag	electric line	pucca	residential	Siddiq bazar	after	0.3	3
23-Feb-13	5	82 west tajkuni para	electric line	pucca	commercial	Mohammadp	before	0.2	0.5
24-Feb-13	20	sukushi, sarulia, demra	electric line	pucca	commercial	Demra	after	2	25
24-Feb-13	13	purbo box nogor, sarulia, demra	electric line	semi-pucca	residential	Demra	after	0.1	2
24-Feb-13	10	84, west vasantek	electric line	semi-pucca	commercial	Mirpur	after	2	6
24-Feb-13	10	15/4, pantha path	electric line	pucca	residential	Mohammadp	after	3	8
25-Feb-13	5	bangla academy	electric line	pucca	public service	Siddiq bazar	after	10	50
25-Feb-13	15	joykali mondir, 46/2 circular road	electric line	pucca	public service	Siddiq bazar	before	0.5	0.5
25-Feb-13	20	r-3, h-83, b-f, banani	electric line	pucca	residential	Tejgaon	after	2	5
27-Feb-13	13	boshundhara RA, plot-33,b-d	electric line	pucca	public service	Baridhara	before	0.5	1
27-Feb-13	10	kallayanpur, notun bazar, darussalam road, mirpur 1	electric line	kutcha	slum	Mohammadp	after	0.5	1
27-Feb-13	11	multiplan dev.lim., unit 12/b, h-69/1, commercial press, panthapath		pucca	commercial	Mohammadp	after	3	10
28-Feb-13	26	43/23/1, Shada kanon, Shobujbag, Kamlapur	electric line	semi-pucca	residential	Siddiq bazar	after	3	10
28-Feb-13	5	H-5, R-5, Mirpur-10	electric line	pucca	residential	Mirpur	before	0.15	1
1-Mar-13	21	Shukurshi, Sharulia, Demra,Dhaka	electric line	pucca	commercial	Demra	after	2	20
1-Mar-13	10	160 no.west Nakhalpara tejgaon, dhaka	electric line	pucca	residential	Tejgaon	after	0.05	0.15
1-Mar-13	7	Khilgaon, Railgate Bazar, Dhaka	electric line	semi-pucca	residential	Khilgaon	after	0.2	1
1-Mar-13	10	597/2, Uttar Kafrul, Dhaka	electric line	semi-pucca	commercial	Mirpur	after	2	10
3-Mar-13	20	H-392, R-7, F, Bashundhara, Dhaka	electric line	pucca	residential	Baridhara	before	0.2	0.5
3-Mar-13	10	18/1, Emamgonj, Panghat, dhaka	electric line	semi-pucca	residential	Lalbag	after	20	100
3-Mar-13	5	Sharulia, Demra	electric line	semi-pucca	industrial	Demra	after	20	100
4-Mar-13	5	Karim jute mill, sharulia, demra	electric line	semi-pucca	industrial	Demra	after	2	10
4-Mar-13	4	dholaipar, dhonia road, dhaka	electric line	pucca	residential	Postogola	after	1	5
4-Mar-13	3	behind of head quarter	electric line	kutcha	residential	Siddiq bazar	before	0.005	
4-Mar-13	10	14 no. friends road, noyabazar	electric line	pucca	residential	Sadarghat	before	-	
4-Mar-13	15	nandipara, khilgaon	electric line	pucca	commercial	Khilgaon	after	1.5	10
4-Mar-13	10	567, east kazipara, begum rokeya sharani, mirpur	electric line	pucca	commercial	Mirpur	after	1	30
6-Mar-13	45	Mid badda, graveyard	electric line	pucca	industrial	Demra	before	10	2
6-Mar-13	15	60/3, moinul road, dhaka cantonment	electric line	pucca	residential	Kurmitola	before	0.01	1
6-Mar-13	5	Postogola cantonment	electric line	pucca	public service	Postogola	after	0.1	1
6-Mar-13	5	57 no. north-south road	electric line	pucca	residential	Siddiq bazar	after	0.05	0.2
6-Mar-13	11	desh o janapad road, uttara	machine	pucca	residential	Tongi	after	1	8
8-Mar-13	25	43 no. pre school state bilane, hatirpul	electric line	pucca	commercial	Palashi	after	1	10
8-Mar-13	5	10 b lane 6/1 mirpur 10	machine	pucca	residential	Mirpur	after	0.5	10
8-Mar-13	12	h-3,r-10, lane-2, block-b, mirpur	gas line	pucca	residential	Mirpur	after	0.1	
8-Mar-13	7	h-21, r-6, senpara parbata,mirpur-13	electric line	pucca	residential	Mirpur	before	2	25
8-Mar-13	10	boro bazar, beribadh, mirpur	electric line	pucca	mixed	Mirpur	after	5	2
10-Mar-13	20	72/1, lalmohon shaha street, dholai khal	electric line	pucca	residential	Sadarghat	after	0.3	4
11-Mar-13	6	305/5, JN shaha	electric line	kutcha	residential	Lalbag	after	12	30
11-Mar-13	10	gov lab school	electric line	pucca	public service	Palashi	before	0.1	
11-Mar-13	10	nitingle mor, bijoy nagar	cigarette	open space	road	Siddiq bazar	before	0.001	
11-Mar-13	8	Borak tower, Mogbazar	electric line	pucca	mixed	Siddiq bazar	after	0.01	1
11-Mar-13	15	Block-e, road-4, h-12, Banosri, Rampura	electric line	pucca	residential	Khilgaon	after	6	2

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
12-Mar-13	4	Police head quarter	electric line	pucca	public service	Siddiq bazar	before	0.005	0.25
12-Mar-13	16	32/2, Adabor bazar	machine	pucca	industrial	Mohammadp	after	5	30
13-Mar-13	8	north side of rajarbag police line	electric line	pucca	residential	Siddiq bazar	after	0.01	0.05
13-Mar-13	9	infront of South East univ, tejgaon	electric line	electric installa	road	Tejgaon	after	0.05	0.2
13-Mar-13	9	99-100, railway market, tejkunipara, tejgaon	electric line	pucca	commercial	Tejgaon	after	0.2	1
14-Mar-13	2	IK tower, gulshan-2	electric line	pucca	commercial	Baridhara	before	0.1	1
14-Mar-13	10	r-12,b-e,h78,banani	electric line	pucca	residential	Tejgaon	after	0.05	0.2
14-Mar-13	10	Rupnagar panir pamp mor, zone 4,dhaka	electric line	pucca	residential	Mirpur	before	0.2	5
14-Mar-13	6	19, Indira road, farmgate	electric line	pucca	residential	Mohammadp	after	1	20
15-Mar-13	7	283 no. east Kazipara, Mirpur	gas line	pucca	residential	Mirpur	after	0.01	
15-Mar-13	15	Uttar para, nababer bari, beribadh, mirpur-1	electric line	pucca	commercial	Mirpur	after	1	5
16-Mar-13	14	Nakhal para, lokaser mor, tejgaon	electric line	pucca	commercial	Kurmitola	after	0.1	0.2
16-Mar-13	10	1/4, DIT road, Hazipara, Rampura	electric line	pucca	commercial	Khilgaon	before	0.02	0.2
16-Mar-13	8	Beside of Jeneva camp, mohammad pur	electric line	pucca	residential	Mohammadp	after	0.2	1
17-Mar-13	7	132, gulshan avenu	electric line	pucca	residential	Baridhara	after	0.1	1
17-Mar-13	5	143/44, north south road, Bongshal	electric line	pucca	commercial	Siddiq bazar	after	1.5	15
17-Mar-13	5	BG press quarter, tejgaon	electric line	kutcha	residential	Tejgaon	after	2	12
17-Mar-13	8	block-d, r-14, wasa staff quarter,mirpur-12	electric line	pucca	residential	Mirpur	after	2	20
19-Mar-13	5	sata mosque road, ashrafabad, kamrangir char	electric line	kutcha	mixed	Lalbag	after	3	5
19-Mar-13	8	10/5arambag, jordan colour cosmetics, motojheel	electric line	pucca	residential	Siddiq bazar	after	1	10
19-Mar-13	10	h-1, r-8, sector-7, uttara	electric line	pucca	residential	Tongi	after	0.1	2
19-Mar-13	30	master para,uttar khan, uttara	electric line	pucca	residential	Tongi	after	0.03	0.07
19-Mar-13	30	madartek eletricity office	electric line	pucca	commercial	Khilgaon	before	0.4	
20-Mar-13	5	Shardar Villa, Elephant road, Kataban	electric line	pucca	commercial	Palashi	after	2	50
20-Mar-13	3	East Bengal Super Market, Sadarghat, Shurtrapur	electric line	pucca	commercial	Sadarghat	after	10	1000
20-Mar-13	11	Dipnagar, Gabtoli, Dhaka	electric line	pucca	residential	Mirpur	after	7	10
20-Mar-13	9	Baunia, Beribadh, dhaka	cigarette	open space	road	Mirpur	after	0.02	
21-Mar-13	8	plot-14/B, r-57, gulshan-2, dhaka	electric line	pucca	residential	Baridhara	after	10	20
21-Mar-13	5	r-6, b-c, h-22, section-13, kafrul, mirpur, dhaka	electric line	pucca	residential	Mirpur	before	4	10
22-Mar-13	9	169/A no. Dholai par, Shampur	electric line	pucca	industrial	Postogola	after	5	100
23-Mar-13	11	H-3G, r-104, gulshan-2, dhaka	electric line	pucca	residential	Baridhara	after	0.3	4
23-Mar-13	5	Baytul Mukarram Masjid market	electric line	pucca	commercial	Siddiq bazar	before	-	
23-Mar-13	15	1/1, Uttar Kamalapur, Dhaka	machine	pucca	industrial	khilga	before	0.1	5
23-Mar-13	10	7 no. Pora bosti, Kallanpur, Mirpur, dhaka	electric line	kutcha	slum	Mirpur	before	0.1	0.7
24-Mar-13	11	r-136, h-12, gulshan-1	electric line	pucca	residential	Baridhara	before	0.4	2
25-Mar-13	10	Boxghat, 2/a, choto katra, lalbag	electric line	pucca	residential	Lalbag	after	1	10
26-Mar-13	20	West boxnagar, sharulia, demra	electric line	pucca	residential	Demra	after	1	5
26-Mar-13	18	Madrasha road, jurain, postogola	electric line	semi-pucca	industrial	Postogola	after	5	40
26-Mar-13	15	Gabtoli, khalek city	electric line	pucca	residential	Mohammadp	before	0.2	
27-Mar-13	10	r-68/a, h-11, gulshan-2	electric line	pucca	residential	Baridhara	before	0.5	1
27-Mar-13	5	plot-30, r-1/a, block-j, baridhara	electric line	pucca	residential	Baridhara	before	0.2	1
27-Mar-13	17	Fatema manjil, 56 no Shuklal dash len, kagojitola	electric line	pucca	residential	Sadarghat	before	0.5	0.5
27-Mar-13	10	sec-7, r-34, h-7, uttara	electric line	pucca	residential	Tongi	after	0.2	1.5
27-Mar-13	20	11/B, ext pallabi, mirpur -11	electric line	pucca	residential	Mirpur	before	0.5	20
29-Mar-13	10	57, sorwardi avenu, baridhara	electric line	pucca	residential	Baridhara	before	3	10
29-Mar-13	15	r-7, h-408/9, Baridhara DOHS	electric line	pucca	residential	Kurmitola	before	2	20
29-Mar-13	14	5/3, Mohakhali, dokkhin para	electric line	pucca	residential	Tejgaon	after	15	20
30-Mar-13	21	Rahmatpur, Matuail, Jatrabari	electric line	kutcha	commercial	Demra	after	3	5
30-Mar-13	15	block-ta, ciramic road, mirpur -12	electric line	pucca	residential	Mirpur	after	0.5	3
31-Mar-13	21	34 no., Baganbari, Hindu para, East basabo	electric line	pucca	residential	Khilgaon	after	0.6	
1-Apr-13	18	193/B, Joara Shahara	electric line	pucca	residential	Baridhara	before	0.5	
1-Apr-13	25	44no. Jhigatola, Hazi Kha: High road	electric line	pucca	residential	Palashi	after	-	
1-Apr-13	12	606 no. Puratan dhonia, Kadamtoli	electric line	pucca	residential	Postogola	after	0.05	0.2
1-Apr-13	5	212/2 west tejkuni para	electric line	pucca	residential	Tejgaon	after	0.6	
1-Apr-13	19	sec-12,r-11, uttara	electric line	pucca	residential	Tongi	before	0.25	
1-Apr-13	10	Kathal bagan, infront of Gastoliver hospital, Green ro	electric line	electric installa	road	Mohammadp	after	-	
3-Apr-13	5	62 no, najim uddin road, dhaka	electric line	pucca	public service	Lalbag	after	3	10
4-Apr-13	3	138/A, tilpa para, khilga	electric line	pucca	residential	Khilgaon	after	1	10
5-Apr-13	10	West Islambag, Lalbag	electric line	semi-pucca	residential	Lalbag	after	10	20
5-Apr-13	15	Hajrat Shahjalal airport	electric line	pucca	public service	Kurmitola	after	in	in
5-Apr-13	6	CMM fort, sadarghat	electric line	pucca	commercial	Sadarghat	after	-	
6-Apr-13	5	American club-road -70, baridhara	electric line	pucca	commercial	Baridhara	after	0.5	1
6-Apr-13	11	Jamal Cotton mill , Rahmatpur, Konabari, demra	electric line	pucca	industrial	Demra	before	0.5	2
6-Apr-13	15	179/A/1, Vuiya para, meradi..	electric line	pucca	residential	Khilgaon	after	0.2	10
6-Apr-13	8	Behind gabtoli police fari	unknown	open space	open space	Mirpur	after	6	7
6-Apr-13	7	139, Lake circus, Kalabagan, Dhaka	electric line	pucca	residential	Mohammadp	after	200	3000
7-Apr-13	5	40 jindabazar, 2nd lane, kotwali, dhaka	electric line	pucca	commercial	Sadarghat	after	0.5	25
7-Apr-13	30	4/2 west ray-er bag	gas line	pucca	residential	Khilgaon	before	0.15	
7-Apr-13	15	tin rastar mor, beri band hossain market, kutcha bazar.	electric line	kutcha	commercial	moh, pala, mi	after	10	15
9-Apr-13	15	dogair notun para, sharulia, demra	gas line	pucca	residential	Demra	after	0.5	1
9-Apr-13	5	36, mintu road, DB office, ramna	electric line	pucca	commercial	Siddiq bazar	after	2.5	50
12-Apr-13	6	1/2 new baily road	electric line	pucca	residential	Siddiq bazar	before	0.4	
12-Apr-13	5	mohanagar natto moncho, gulistan	cigarette	open space	road	Siddiq bazar	after	0.02	

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
12-Apr-13	5	152, east tejturi bazar, tejga	electric line	pucca	residential	Tejgaon	before	0.05	0.5
15-Apr-13	20	89/A R k mission road	electric line	pucca	residential	Siddiq bazar	before	0.02	1
16-Apr-13	6	tikatuli	electric line	semi-pucca	commercial	Siddiq bazar	before	0.05	1
17-Apr-13	7	333 shegun bagica	electric line	pucca	residential	Siddiq bazar	after	0.005	10
17-Apr-13	5	elen bari, tejga	electric line	pucca	commercial	Tejgaon	after	0.5	
17-Apr-13	10	r-11, sec-7, uttara	electric line	pucca	commercial	Tongi	after	20	80
17-Apr-13	10	29/1?.. Darus salam	electric line	electric installa	road	Mirpur	before	0.005	10
17-Apr-13	6	behind mirpur dental college	electric line	semi-pucca	residential	Mirpur	before	1.5	5
18-Apr-13	18	sat moshjid road super market, mohpur	gas line	pucca	commercial	Mohammadp	after	1	
20-Apr-13	8	multiplan center, new elephant road	electric line	pucca	commercial	Palashi	after	-	-
20-Apr-13	10	h-71/b, r-12/a, sec-10, uttara	electric line	pucca	residential	Tongi	after	2	15
21-Apr-13	15	khilkhet, amtoli mosjid goli	electric line	electric installa	road	Kurmitola	before	0.025	
22-Apr-13	10	national protibondhi foundation, Mirpur 14	electric line	pucca	commercial	Mirpur	after	0.02	5
23-Apr-13	6	shoinik club. MP check post, dhaka shenanibash	electric line	electric installa	road	Kurmitola	after	0.01	0.05
23-Apr-13	4	registry complex, IA,tejga	electric line	pucca	commercial	Tejgaon	after	0.02	5
23-Apr-13	5	156/1 south monshi	electric line	semi-pucca	residential	Khilgaon	after	0.5	5
23-Apr-13	8	96/7 green road, farmgate	electric line	pucca	commercial	Mohammadp	after	1	5
24-Apr-13	7	shyampur	electric line	semi-pucca	industrial	Postogola	before	-	
26-Apr-13	10	hazipara, khilga	electric line	electric installa	road	Khilgaon	after	0.06	
27-Apr-13	3	jogonnath university	electric line	pucca	public service	Sadarghat	before	0.1	
27-Apr-13	5	E/15 arifabad, rupnagar RA	electric line	pucca	residential	Mirpur	after	1.5	10
29-Apr-13	10	hasnath road, bongshal	electric line	pucca	industrial	Lalbag	before	0.02	2
29-Apr-13	4	3, sonarga road, shahbag	electric line	pucca	public service	Palashi	after	10	100
29-Apr-13	16	C/A 122, kocukhet	electric line	pucca	residential	Mirpur	before	0.5	5
30-Apr-13	21	148 shah ali bag	electric line	pucca	residential	Mirpur	after	1	3
1-May-13	6	bongobondhu shek mujib bishabiddaloy	electric line	pucca	public service	Siddiq bazar	after	0.5	100
1-May-13	5	66/1, new circular road, mogbazar	electric line	pucca	mixed	Tejgaon	after	1	5
2-May-13	20	matuail, college road, jatrabari	electric line	semi-pucca	industrial	Demra	after	10	20
2-May-13	8	pukur bosti,agarga	electric line	pucca	residential	Mohammadp	before	0.02	5
5-May-13	10	25, nobab yusuf market, 3 no bhobon	electric line	pucca	commercial	Sadarghat	after	-	
5-May-13	11	sec-7, r-34, house-1, uttara	electric line	pucca	residential	Tongi	after	1	1
5-May-13	5	1/5 mizan tower, kallayanpur,mirpur road	stove	pucca	commercial	Mohammadp	after	0.2	5
5-May-13	9	krishnocura bhobon, 24/B/C, shahid minar road,kallay	electric line	pucca	residential	Mohammadp	after	1	200
6-May-13	10	demra bazar	electric line	pucca	residential	Demra	after	0.05	0.1
6-May-13	15	gaoai majhi bari, dakkhin khan	electric line	electric installa	road	Tongi	after	0.01	0.5
6-May-13	12	158, ahmodnagar, paikpara, mirpur	electric line	pucca	residential	Mirpur	before	0.5	2
6-May-13	12	r-10/A, h-255, west dhanmondi	electric line	pucca	residential	Mohammadp	after	0.1	5
7-May-13	5	infront of tejgao tibbot oxyzen	electric line	electric installa	road	Tejgaon	before	0.1	5
7-May-13	20	362/1 east rampura	electric line	pucca	commercial	Khilgaon	before	5	10
8-May-13	5	42/1/ga, tanaka tower, shegun bagica	electric line	pucca	residential	Siddiq bazar	after	0.05	20
8-May-13	5	30 lalmohon shaha, dholai khal	electric line	pucca	public service	Sadarghat	after	0.25	2
10-May-13	6	2, nowrotno colony, baily house, baily road	electric line	pucca	residential	Siddiq bazar	before	0.05	
11-May-13	10	r-27 banani, masranga television beside	electric line	pucca	public service	Baridhara	after	0.05	0.2
11-May-13	6	urdu road, chakbazar	electric line	pucca	residential	Lalbag	before	1	5
11-May-13	2	12 no nimtoli	electric line	semi-pucca	commercial	Siddiq bazar	after	0.05	0.5
11-May-13	3	link road, tejgaon IA	electric line	pucca	industrial	Tejgaon	after	0.1	10
11-May-13	2	187, green road, kolabagan, dhaka	electric line	pucca	residential	Mohammadp	after	1	5
12-May-13	30	nipa fashion and ind lim, selina tower,	electric line	pucca	industrial	Kurmitola	after	150	500
12-May-13	15	40 sher-e-bangla road hazari para	electric line	pucca	industrial	Palashi	before	0.02	2
12-May-13	10	modhubag, hatirjheel	electric line	kutcha	commercial	Tejgaon	before	0.01	0.2
15-May-13	13	548/3, rojonigondha RA, shena nibash	electric line	pucca	residential	Kurmitola	before	0.5	
16-May-13	6	46/47, urdhu road, chak bazar, lalbag	electric line	pucca	residential	Lalbag	after	0.25	5
16-May-13	7	402/c, chowdhury para, khilgao	electric line	pucca	residential	Khilgaon	after	0.2	1
16-May-13	16	402, malibag, mouchak tower,	electric line	pucca	commercial	Khilgaon	before	2	5
17-May-13	8	razarbag police line	electric line	pucca	residential	Siddiq bazar	before	0.1	
17-May-13	5	nobabir mor, khilgao	electric line	pucca	residential	Khilgaon	after	0.05	2
17-May-13	9	b-e, r-1, h-12, sec-11, mirpur	gas line	gas installatio	road	Mirpur	after	0.05	1
18-May-13	10	islambag, cchorman fot, lalbag	electric line	pucca	industrial	Lalbag	after	0.02	0.03
20-May-13	4	prime miniter's office opposite	electric line	pucca	residential	Tejgaon	after	0.01	2
21-May-13	6	244 satarkol road, uttar badda,	electric line	electric installa	road	Baridhara	after	0.02	1
22-May-13	5	r-90, h-10/b, gulshan-2	electric line	pucca	mixed	Baridhara	after	10	50
22-May-13	14	35/3, din nath jen road, gondigor, gendaria	gas line	gas installatio	road	Postogola	after	0.5	5
23-May-13	13	sharatcandra chakrabarti road, armanitola	electric line	semi-pucca	commercial	Sadarghat	after	1	500
24-May-13	4	280/6 elije oi road,bodugoya, katabon	electric line	semi-pucca	commercial	Palashi	after	1	5
24-May-13	6	39 dilkhusha, motijheel IA	electric line	electric installa	road	Siddiq bazar	before	0.01	
29-May-13	22	r-6, h-15, sheyalbari, mirpur-2	electric line	pucca	residential	Mirpur	before	0.01	0.05
30-May-13	4	24/1 hazi rahim box lane, lalbag	gas line	kutcha	residential	Lalbag	after	0.01	0.02
31-May-13	45	kazi-r gao, jatrabari,	electric line	kutcha	residential	Demra	after	8	20
1-Jun-13	6	primary education odhidoptor,mirpur 2	electric line	pucca	commercial	Mirpur	before	0.5	60
1-Jun-13		humayun road, college gate, mirpur road	electric line	pucca	public service	Mohammadp	after	1	20
2-Jun-13	12	in front of ashkona hazi camp, airport	electric line	kutcha	residential	Kurmitola	after	0.4	1.5
3-Jun-13	2	batara thana, baridhara	electric line	pucca	public service	Baridhara	after	1	5
3-Jun-13	6	51/2,nazimuddin road	electric line	pucca	residential	Lalbag	after	0.05	1

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
4-Jun-13	6	43, dilkhusha	electric line	pucca	commercial	Siddiq bazar	before	0.015	1.5
4-Jun-13	3	11/8 secretariate road	electric line	pucca	residential	Siddiq bazar	before	0.01	1
5-Jun-13	12	33/11,b-d, boshundhara RA	electric line	pucca	public service	Baridhara	before	0.1	1
5-Jun-13	10	51/1,, ashrorakabad, kamrangir char	electric line	semi-pucca	commercial	Lalbag	after	5	20
6-Jun-13	12	taiab vila, kha/122, south badda	electric line	pucca	residential	Baridhara	before	0.02	10
6-Jun-13	5	h-2/a, r-4, b-a,sec-6,mirpur	electric line	pucca	residential	Mirpur	after	0.05	0.2
7-Jun-13	30	104 east podordia, satarkul, badda	electric line	pucca	industrial	Baridhara	after	15	15
7-Jun-13	3	306,TNT colony, korail	electric line	semi-pucca	residential	Baridhara	before	0.1	0.75
7-Jun-13	10	west podordia, satarkul road	electric line	pucca	residential	Baridhara	before	1	5
7-Jun-13	17	gonoktoli city, colony, hazaribag	electric line	pucca	residential	Palashi	before	0.5	
7-Jun-13	2	bongo bazar market	electric line	pucca	commercial	Siddiq bazar	after	6	100
7-Jun-13	12	DPDC, Grid office ,22 wari	electric line	pucca	commercial	Siddiq bazar	before	10	100
7-Jun-13	20	vashan tek, cantonment near	gas line	gas installatio	road	Mirpur	after	-	
11-Jun-13	6	swimming pool market, bongobondhu national stadiu	electric line	pucca	commercial	Siddiq bazar	after	40	100
11-Jun-13	5	171/1 tejgao IA	electric line	semi-pucca	industrial	Tejgaon	after	1	10
11-Jun-13	6	2 no road, dhanmondi	electric line	pucca	public service	Mohammadp	before	0.4	1
13-Jun-13	7	ga/41 moddho badda, hazi super market	electric line	kutcha	commercial	Baridhara	after	150	200
14-Jun-13	5	r-6, h-80, baridhara	electric line	pucca	residential	Baridhara	before	0.5	1
15-Jun-13	8	314 G M shaha road, lalbag	electric line	pucca	commercial	Lalbag	before	0.05	5
15-Jun-13	6	new eskaton road, holy family hospital	electric line	pucca	public service	Siddiq bazar	before	0.8	10
16-Jun-13	10	peshwar park, 75/76 shantinigor	electric line	pucca	residential	Siddiq bazar	after	0.25	100
17-Jun-13	5	128/1, goran bazar road, khilgao	electric line	pucca	residential	Khilgaon	after	0.2	5
17-Jun-13	7	54,box zoo road,mirpur-1	electric line	semi-pucca	commercial	Mirpur	before	0.05	100
17-Jun-13	11	122/23, darus salam,mirpur road	electric line	pucca	residential	Mirpur	before	0.1	2
20-Jun-13	16	24 park road, baridhara	electric line	pucca	residential	Baridhara	before	0.05	1
20-Jun-13	10	west rosulpur, kamrangir char	electric line	semi-pucca	residential	Lalbag	after	0.5	2
20-Jun-13	10	164/1 kamlapur	electric line	pucca	industrial	Khilgaon	before	0.1	1
20-Jun-13	3	h-12, lane-21, b-a,sec-10, mirpur	cigarette	semi-pucca	commercial	Mirpur	after	0.02	5
21-Jun-13	20	khilkhet, bottola	gas line	gas installatio	road	Kurmitola	after	0.25	
21-Jun-13	11	5/7 south begunbari, tejgao	electric line	pucca	residential	Tejgaon	before	0.005	2
21-Jun-13	6	h-9, r-7, b-a, sec-10, mirpur	electric line	pucca	residential	Mirpur	after	0.02	0.5
21-Jun-13	5	shukrabad colony, 71/5 b	electric line	pucca	residential	Mohammadp	after	0.8	2
24-Jun-13	9	plot-15, b-b, north south uni, boshundhara	electric line	pucca	public service	Baridhara	after	-	-
24-Jun-13	14	88/2, west shewrapara	electric line	pucca	public service	Mirpur	before	0.02	0.5
25-Jun-13	4	bongobondhu aveneu market gulistan	chemical reaction	pucca	commercial	Siddiq bazar	after	0.1	5
25-Jun-13	9	1398/3/b riazbag, khilgao	electric line	pucca	residential	Khilgaon	after	10	2.5
27-Jun-13	5	28/a shegun bagica	electric line	pucca	residential	Siddiq bazar	before	0.1	1
29-Jun-13	20	custom house, kurmitola	electric line	pucca	public service	Kurmitola	before	0.4	
29-Jun-13	10	west jatrabari	electric line	electric installa	road	Postogola	after	0.05	
2-Jul-13	6	b-s,ward-42, h-45, jahuri moholla,mohpur	gas line	gas installatio	road	Mohammadp	after	0.25	
4-Jul-13	5	57 gulshan avenue	electric line	pucca	residential	Baridhara	before	10	1
6-Jul-13	7	14 biponon commercial area, bangla motor	electric line	pucca	residential	Siddiq bazar	after	1	10
6-Jul-13	7	1 no rail cait,tejga rail station	gas line	gas installatio	road	Tejgaon	after	0.4	
6-Jul-13	10	panthapath, west side of boshundhara city	electric line	pucca	commercial	Tejgaon	after	0.05	2
6-Jul-13	25	18 bonosree, rampura	gas line	pucca	residential	Khilgaon	after	0.35	100
8-Jul-13	11	malibag, chowdhury para, north side of abul hotel	electric line	electric installa	road	Khilgaon	before	25	
9-Jul-13	11	187, gulshan avenue	electric line	electric installa	road	Baridhara	before	0.2	
9-Jul-13	5	338, ka circular road	electric line	pucca	mixed	Lalbag	after	0.1	2
9-Jul-13	2	islamia market, bongobagar, gulistan	electric line	electric installa	road	Siddiq bazar	after	0.2	
9-Jul-13	5	1 no rail gate,tejga rail station	gas line	gas installatio	road	Tejgaon	after	-	
9-Jul-13	5	jut potti, mirpur 10	electric line	semi-pucca	residential	Mirpur	before	0.15	0.5
10-Jul-13	8	75/1/10 west islam bag, chak bazar	electric line	pucca	industrial	Lalbag	after	5	10
10-Jul-13	16	kona para, al aman road, demra	electric line	semi-pucca	mixed	Demra	after	10	20
13-Jul-13	16	2/1 V.I.P road, rampura	electric line	pucca	residential	Khilgaon	before	0.1	2
15-Jul-13	5	h-2401, batara, badda	electric line	semi-pucca	industrial	Baridhara	before	0.5	5
15-Jul-13	10	plot-10/1, r-7, section-7, mirpur	electric line	pucca	industrial	Mirpur	before	0.005	20
17-Jul-13	25	nobi nagar, east jorain, kodom toli	gas line	gas installatio	road	Postogola	after	0.5	2
17-Jul-13	12	86, majed sarder road	electric line	pucca	industrial	Siddiq bazar	before	0.05	1
21-Jul-13	9	r-7, h-25, baridhara	electric line	pucca	residential	Baridhara	after	0.8	2
21-Jul-13	6	malibag super market, malibag	electric line	pucca	commercial	Khilgaon	after	5	1000
22-Jul-13	5	h-3, r-8, block-a, sec-10, mirpur	electric line	pucca	residential	Mirpur	after	3	50
22-Jul-13	7	21/ka jigatola	electric line	pucca	commercial	Mohammadp	before	0.005	5
24-Jul-13	6	12/32 rupnagar	electric line	pucca	residential	Mirpur	before	-	
24-Jul-13	11	building-12, japan garden city	electric line	pucca	residential	Mohammadp	before	30	1
29-Jul-13	5	17/1/b west islambag	electric line	pucca	industrial	Lalbag	before	0.2	0.5
29-Jul-13	8	17/9 bir uttam shia dotto road, hatirpul	electric line	pucca	commercial	Palashi	after	0.5	10
30-Jul-13	8	can mia housing, sat moshjid road, mohpur	gas line	pucca	residential	Mohammadp	after	0.1	
31-Jul-13	5	cant. train signal, senanibash	electric line	electric installa	road	Kurmitola	after	0.1	
31-Jul-13	15	jatrabari mor	electric line	electric installa	road	Postogola	after	0.02	0.2
31-Jul-13	7	131, tejgao IA	cigarette	pucca	industrial	Tejgaon	before	0.1	150
31-Jul-13	5	hazi kudroth ali molla super market, mir-12	electric line	pucca	commercial	Mirpur	before	0.07	7
31-Jul-13	15	h-12, r-02, nobodia housing, mohpur	electric line	pucca	residential	Mohammadp	before	0.5	1
1-Aug-13	11	167/a elephant road	electric line	pucca	residential	Palashi	after	0.5	2

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
2-Aug-13	10	r-18, h-25, sector-12, uttara	electric line	pucca	residential	Tongi	before	0.2	5
3-Aug-13	7	r-12, block-j, h-72, bonani	electric line	electric installa	road	Baridhara	after	1	2
4-Aug-13	22	158, kutubkhali, jatrabari	electric line	pucca	residential	Postogola	after	1.5	20
4-Aug-13	15	104, T.I.C colony, dakkhin khan	electric line	pucca	residential	Tongi	after	0.05	5
4-Aug-13	10	transmeter road, sayedabad, dakkhin khan	electric line	electric installa	road	Tongi	after	0.05	0.1
4-Aug-13	13	576/4/E uttar kafrul	electric line	semi-pucca	residential	Mirpur	after	-	
5-Aug-13	25	45/A diabari, mirpur-1/2	electric line	pucca	commercial	Mirpur	after	4.5	5
5-Aug-13	37	lalmatia, E block, 2/2 mohpur	electric line	electric installa	road	Mohammadp	before	0.005	
6-Aug-13	2	bangla bazar mor, sadarghat, kotwali	electric line	pucca	commercial	Sadarghat	after	15	60
7-Aug-13	9	engineer institute, ramna, dhaka	electric line	pucca	commercial	Siddiq bazar	after	0.2	2
7-Aug-13	10	70, purana paltan line	electric line	pucca	commercial	Siddiq bazar	after	5	2
7-Aug-13	4	1 no mayakanon, atish dipongkor road, shobuz bag	electric line	semi-pucca	industrial	Khilgaon	after	2	5
7-Aug-13	5	block-d, section-10, mirpur	cigarette	kutcha	commercial	Mirpur	after	6	10
7-Aug-13	16	panthapath, in front of square hospital	gas line	gas installatio	road	Mohammadp	before	0.1	
8-Aug-13	15	117, DCC market, gulshan 1	electric line	pucca	commercial	Baridhara	before	1.5	10
8-Aug-13	4	r-5, DOHS, baridhara	electric line	pucca	commercial	Kurmitola	after	1	60
11-Aug-13	3	BG press, tejgao	gas line	gas installatio	road	Tejgaon	after	0.35	
11-Aug-13	9	block- c, r-6, mirpur-13	gas line	gas installatio	road	Mirpur	before	0.05	0.5
11-Aug-13	10	119/d/6 greenroad,farmgate	gas riser	pucca	residential	Mohammadp	before	0.005	
15-Aug-13	4	r-14, h-5, dhanmondi	electric line	pucca	residential	Mohammadp	after	0.1	0.4
17-Aug-13	10	b-b, r-6, h-295 bashundhara RA	electric line	pucca	residential	Baridhara	before	0.2	1
17-Aug-13	11	r-5, h-42, b-G, Banani	electric line	semi-pucca	commercial	Baridhara	after	0.2	0.5
17-Aug-13	10	r-6, plot-7, shampur, nimtoli	electric line	semi-pucca	industrial	Postogola	after	1	15
18-Aug-13	3	sharulia bazar, demra	electric line	semi-pucca	commercial	Demra	after	6	20
19-Aug-13	15	rock super market, gulshan 2	electric line	pucca	commercial	Baridhara	before	0.01	1
20-Aug-13	30	west shonanir bag, nagpara, lalbag	electric line	semi-pucca	industrial	Lalbag	after	8	20
21-Aug-13	8	20, filu road, mogbazar	electric line	pucca	commercial	Tejgaon	after	0.3	1
21-Aug-13	9	520, north basabo	electric line	pucca	residential	Khilgaon	after	2	10
24-Aug-13	6	NSI Head office, segun bagica	electric line	pucca	commercial	Siddiq bazar	after	0.02	0.5
26-Aug-13	15	banani sapura tower, kamal ataturk, banani	gas line	pucca	commercial	Baridhara	before	0.01	10
26-Aug-13	6	49 motijheel,	machine	pucca	commercial	Siddiq bazar	before	0.2	5
27-Aug-13	2	notun bazar sofbarod road, h-23, bridge bying house	electric line	pucca	commercial	Baridhara	before	0.1	1
27-Aug-13	5	shukorshi, demra,	electric line	pucca	industrial	Demra	after	10	1000
27-Aug-13	15	r-12, h-6, sec-3, uttara	gas line	gas installatio	road	Tongi	after	0.35	
31-Aug-13	13	TNT bhabon	electric line	pucca	commercial	Siddiq bazar	after	30	100
31-Aug-13	20	sec-10, r-4, uttara	electric line	pucca	residential	Tongi	before	0.2	
31-Aug-13	6	6 Dwest dhanmondi, satmosq road	electric line	pucca	commercial	Mohammadp	after	10	15
1-Sep-13	8	90 karwan bazar	electric line	pucca	public service	Tejgaon	before	0.1	5
1-Sep-13	15	block-C, R-2, h-9	electric line	pucca	residential	Khilgaon	before	0.1	10
2-Sep-13	10	sec-11, r-17, h-50, uttara	gas line	gas installatio	road	Tongi	after	0.6	
2-Sep-13	4	h-57, r-27, dhanmondi	electric line	pucca	commercial	Mohammadp	before	0.01	1
2-Sep-13	6	agarga taltola	electric line	pucca	residential	Mohammadp	after	0.5	50
3-Sep-13	10	ssec-5, r-9/C, uttara	gas riser	pucca	residential	Tongi	after	0.15	5
3-Sep-13	15	70/1, tejkoni para	gas riser	pucca	residential	Mohammadp	after	0.15	
7-Sep-13	15	bashundhara RA	gas line	gas installatio	road	Baridhara	after	0.1	
7-Sep-13	7	120, new elephant road	electric line	pucca	commercial	Palashi	after	5	10
8-Sep-13	5	381/2/A east senpara, mirpur-10	electric line	pucca	residential	Mirpur	before	0.07	1
9-Sep-13	8	2/A/A mazar road, mirpur	electric line	pucca	industrial	Mirpur	before	0.05	5
10-Sep-13	16	20 dilkusha, motijheel	cigarette	pucca	residential	Siddiq bazar	after	0.005	0.05
10-Sep-13	19	ga-9/16 mohammadia housing kutcha bazar, mohpur	electric line	semi-pucca	commercial	Mohammadp	before	1	5
10-Sep-13	6	kutcha bazar, beside mohpur shia mosque	electric line	kutcha	commercial	Mohammadp	before	0.2	
10-Sep-13	6	15/10 tajmohol road, block-c	gas cilinder	pucca	commercial	Mohammadp	before	0.02	25
11-Sep-13	2	east side of hq fire service	electric line	electric installa	road	Siddiq bazar	after	0.01	5
11-Sep-13	14	r-1/B, h-5, sec-9, uttara	electric line	pucca	residential	Tongi	before	0.5	5
11-Sep-13	2	mirpur-10 goalcakkar	electric line	electric installa	road	Mirpur	after	0.01	0.1
13-Sep-13	9	south side of purabi cinema hall	electric line	electric installa	road	Mirpur	after	-	
14-Sep-13	15	abu syed bazar, kamrangir char, lalbag	electric line	pucca	commercial	Lalbag	before	1.5	3
14-Sep-13	7	16/14 azam road, moh pur	electric line	pucca	residential	Mohammadp	after	6	50
15-Sep-13	11	R-9, H-9, B-g, Banani	electric line	pucca	residential	Baridhara	before	0.4	
15-Sep-13	60	kazi gao, dustbin dipo, matumail, jatrabaridhara	electric line	kutcha	residential	Demra	after	1	5
15-Sep-13	14	shaacibaloy, 7 no building	electric line	pucca	public service	Siddiq bazar	before	0.03	10
15-Sep-13	10	786 nondi para, madartek, shobuj bag	electric line	pucca	industrial	Khilgaon	after	100	1000
17-Sep-13	10	ogair eid ghah math, sharulia, demra	electric line	semi-pucca	industrial	Demra	after	0.4	2
18-Sep-13	10	jibon bima tower, dilkusha	electric line	pucca	commercial	Siddiq bazar	after	0.02	1
18-Sep-13	8	121 motijheel CA	electric line	pucca	commercial	Siddiq bazar	after	0.005	2
21-Sep-13	12	kamrangir char, rony market, kochipotti	stove	kutcha	residential	Lalbag	after	40	50
21-Sep-13	11	98 boro mogbazar, ramna	electric line	pucca	commercial	Siddiq bazar	after	0.3	50
21-Sep-13	10	11/12 bongshal road	electric line	pucca	industrial	Siddiq bazar	after	12	50
21-Sep-13	5	446 tejgao IA	electric line	pucca	commercial	Tejgaon	before	0.1	5
21-Sep-13	22	15/9 tajmohol road, mohpur	electric line	electric installa	road	Mohammadp	after	-	
23-Sep-13	5	mirpur-10 block-k, road-1/10/1, rupnagar	machine	pucca	industrial	Mirpur	before	0.01	5
24-Sep-13	9	sec-7,r-8, h-13, uttara	electric line	pucca	residential	Tongi	after	0.5	10
24-Sep-13	12	taltola market, khilgao	electric line	pucca	commercial	Khilgaon	after	2.5	2

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
24-Sep-13	10	37/3 shyamoli road-3	electric line	pucca	residential	Mohammadp	after	0.05	0.5
25-Sep-13	7	malati lake view apartment, plot-804, boxnagar	electric line	pucca	residential	Mirpur	before	0.2	5
26-Sep-13	10	dholai par mor, shyampur	electric line	electric installa	road	Postogola	after	0.02	5
26-Sep-13	21	395 moddho monipur, mirpur	electric line	pucca	residential	Mirpur	before	0.02	0.5
27-Sep-13	8	molla para, ka-202/1, jofur sahara	gas line	gas installatio	road	Baridhara	after	0.5	
27-Sep-13	8	1495 shayd nagar, vatara, baridhara	electric line	pucca	residential	Baridhara	after	5	5
27-Sep-13	11	135/ka shahid nagar, lalbag	electric line	pucca	industrial	Lalbag	after	5	10
30-Sep-13	3	sadarghat lanch terminal	electric line	semi-pucca	commercial	Sadarghat	after	1	4
3-Oct-13	10	98/6, A boromogbazar	electric line	pucca	commercial	Siddiq bazar	after	0.05	10
3-Oct-13	7	west agargao, BNP Bazar	electric line	kutcha	commercial	Mohammadp	after	0.1	5
4-Oct-13	7	1 no urdu road, cakbazar	electric line	pucca	industrial	Lalbag	after	5	10
4-Oct-13	15	dogair purba para, sarulia, demra	gas line	gas installatio	road	Demra	after	0.2	
4-Oct-13	10	82/C, kadamtola, basabo	electric line	semi-pucca	residential	Khilgaon	after	1	10
4-Oct-13	10	4/2, sobhanbag, prince plaza	electric line	pucca	public service	Mohammadp	before	0.2	0.5
5-Oct-13	7	315, moyna-r bag gorostan mor, north badda	gas line	gas installatio	road	Baridhara	before	0.05	
5-Oct-13	15	h-407, r-7, baridhara DOHS	electric line	pucca	residential	Kurmitola	after	0.2	2
5-Oct-13	15	25/1, khilji road, shyamoly	electric line	electric installa	road	Mohammadp	before	0.006	
6-Oct-13	13	plot- 369, block-D, baridhara RA	electric line	pucca	commercial	Baridhara	before	1	5
6-Oct-13	16	r- 13, h-25, sec-07, uttara	electric line	pucca	residential	Tongi	after	0.25	0.75
7-Oct-13	21	134, gulshan 1	electric line	electric installa	road	Tejgaon	after	20	100
7-Oct-13	5	8/48, nurjahan road, mohpur	gas riser	pucca	residential	Mohammadp	after	0.05	0.5
10-Oct-13	30	bonorupa RA, khilkhet	unknown	open space	open space	Kurmitola	after	3	12
10-Oct-13	6	bongo bondhu stadium	gas cilinder	pucca	public service	Siddiq bazar	after	0.1	0.2
11-Oct-13	15	33 no road, gulshan-1	gas line	gas installatio	road	Baridhara	after	2	4
11-Oct-13	6	ladies park market	electric line	pucca	industrial	Sadarghat	after	2	50
11-Oct-13	18	ka, 35/5, shahjahanpur	gas line	gas installatio	road	Baridhara	after	0.45	
11-Oct-13	10	7 kallayanpur, mohpur	electric line	pucca	commercial	Mohammadp	before	0.1	5
12-Oct-13	20	aftab nagar	cigarette	open space	open space	Khilgaon	after	0.5	5
12-Oct-13	6	shial bari	electric line	pucca	commercial	Mirpur	before	0.5	5
13-Oct-13	5	19 no road, shayesta khan	gas line	pucca	residential	Lalbag	before	0.05	
13-Oct-13	8	32 hosne dalan, k- bazar	gas line	semi-pucca	residential	Siddiq bazar	before	0.2	2
14-Oct-13	3	kor danga, sharulia, demra	electric line	semi-pucca	commercial	Demra	after	1.5	2
14-Oct-13	6	18/20 motijheel CA	electric line	pucca	commercial	Siddiq bazar	after	2	100
15-Oct-13	5	house-2, road-142, gulshan 1	electric line	pucca	commercial	Tejgaon	after	in	in
15-Oct-13	4	110 tejga IA	machine	pucca	industrial	Tejgaon	before	0.2	
15-Oct-13	21	avenue-5, r-12, h-11,mirpur-10-C	electric line	pucca	residential	Mirpur	before	0.5	10
15-Oct-13	5	dhaka shishu hospital	electric line	pucca	public service	Mohammadp	after	in	in
17-Oct-13	17	west islambag, baganbari,lalbag	electric line	kutcha	industrial	Lalbag	after	5	10
17-Oct-13	8	hotel sonargao, 107 kazi nazrul islam avenue	electric line	pucca	commercial	Tejgaon	after	in	in
17-Oct-13	10	dakkhin khan bazar	electric line	pucca	industrial	Tongi	after	15	35
17-Oct-13	11	bolerangi slum, boubazar, hazaribag	stove	kutcha	slum	Mohammadp	after	in	in
18-Oct-13	10	684-686, red cresent office, boro mogbazar	electric line	pucca	commercial	Tejgaon	after	-	
18-Oct-13	33	lalmatia mohila college	electric line	pucca	public service	Mohammadp	after	0.2	2
19-Oct-13	11	boro ?. Sharulia, demra	gas line	gas installatio	road	Demra	after	-	
19-Oct-13	6	mohakhali, rasulbag	electric line	pucca	commercial	Tejgaon	before	0.1	1
20-Oct-13	6	51/2, uttar badda, gulshan-1	electric line	pucca	residential	Baridhara	before	1	3
20-Oct-13	5	44/1 rahim ? newmarket	electric line	pucca	commercial	Palashi	after	30	100
20-Oct-13	6	dhanmondi 7/A	electric line	electric installa	road	Mohammadp	after	0.15	
21-Oct-13	5	jogonnat bisshobiddaloy	gas line	pucca	public service	Sadarghat	before	-	
21-Oct-13	9	r-21, h-ka 3, gulshan 1	electric line	electric installa	road	Tejgaon	after	0.1	0.5
22-Oct-13	15	628, mirpur DOHS	electric line	pucca	residential	Kurmitola	before	0.5	
22-Oct-13	6	shegun bagica	electric line	pucca	commercial	Siddiq bazar	before	0.2	12
22-Oct-13	15	shahapur, mirpur	electric line	semi-pucca	residential	Mirpur	before	6	6
24-Oct-13	11	r-10, b-h, h-6, banani	electric line	electric installa	road	Baridhara	after	0.1	
24-Oct-13	14	shati shata checkpost, shenanibash	electric line	electric installa	road	Kurmitola	after	0.05	0.1
24-Oct-13	15	21/23 pallabi, mirpur 11	electric line	pucca	public service	Mirpur	after	0.005	0.025
24-Oct-13	10	mazar road, shahid buddhijibi graveyard	electric line	electric installa	road	Mirpur	after	-	
25-Oct-13	18	r-4, 2B, leisjil.., banani	electric line	pucca	residential	Tejgaon	before	5	15
25-Oct-13	8	365/A jafrabad mohpur	gas riser	pucca	residential	Mohammadp	before	0.2	
26-Oct-13	15	272/A gabtoli, mazar road, mirpur	cigarette	open space	road	Mirpur	after	0.001	
27-Oct-13	10	s-13, r-16, h-2, uttara	gas line	gas installatio	road	Tongi	after	0.1	
28-Oct-13	5	42, nobab yusuf road	electric line	semi-pucca	commercial	Sadarghat	after	0.5	50
28-Oct-13	9	calaron mati-r mosque, dakkhin khan	electric line	pucca	residential	Tongi	after	3	10
29-Oct-13	4	316/c tejgao IA	electric line	pucca	commercial	Tejgaon	after	7	10
29-Oct-13	6	394 east rampura	gas line	pucca	commercial	Khilgaon	after	-	
30-Oct-13	16	250/ka, east raza bazar, khilga	gas riser	pucca	residential	Khilgaon	after	0.5	
31-Oct-13	3	gulistan fulbaria jaker market	electric line	pucca	commercial	Siddiq bazar	before	0.02	5
1-Nov-13	3	9/5 bongo islamia super market	cigarette	open space	open space	Siddiq bazar	before	0.05	0.5
1-Nov-13	15	mohakhali, shastho odhidoptor	electric line	pucca	commercial	Tejgaon	after	0.5	1
1-Nov-13	6	beside mohpur super market	gas line	gas installatio	road	Mohammadp	after	0.1	
2-Nov-13	4	sharulia bazar, demra	cigarette	kutcha	commercial	Demra	after	0.2	3
2-Nov-13	7	AHN tower, sharga road	cigarette	pucca	residential	Tejgaon	before	0.2	0.5
2-Nov-13	10	section-9, baunia badh, mirpur-12	electric line	kutcha	commercial	Mirpur	after	4	5

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
2-Nov-13	35	22/18 khilji road, mohpur	electric line	pucca	commercial	Mohammadp	before	0.2	
4-Nov-13	7	78/A arshitola	gas line	pucca	industrial	Siddiq bazar	after	-	
5-Nov-13	2	sadarghat midmishi pan market	electric line	pucca	industrial	Sadarghat	after	0.2	2
6-Nov-13	12	139/C, shahid nagar, lalbag	electric line	semi-pucca	industrial	Lalbag	after	2	5
6-Nov-13	10	h-82, sec-13, r-11, uttara	gas line	pucca	residential	Tongi	after	0.15	
6-Nov-13	15	r-8, h-20, sheker tek, mohpur	electric line	pucca	residential	Mohammadp	before	0.5	5
7-Nov-13	15	22/Ka kunipara, tejgao	gas line	gas installatio	road	Tejgaon	after	0.05	
9-Nov-13	2	balughat, beribandh, shahid nagar	cigarette	kutcha	commercial	Lalbag	after	0.02	0.1
9-Nov-13	10	181/7 bagan, uttor vashantek,	gas riser	pucca	residential	Kurmitola	after	0.02	2
10-Nov-13	4	86/A, jurain, balurghat IA	electric line	pucca	industrial	Postogola	before	5	80
11-Nov-13	4	noya bazar, french road	cigarette	kutcha	commercial	Siddiq bazar	after	0.002	2
12-Nov-13	17	r-7, p-16, shaympur, kadamtoli	electric line	pucca	residential	Postogola	after	-	
12-Nov-13	13	28 dilkusha, CA	weilding	pucca	commercial	Siddiq bazar	after	50	100
12-Nov-13	8	25, gulshan avenue, gulshan 1	electric line	pucca	commercial	Tejgaon	after	in	in
12-Nov-13	2	hatir jeel, nirth-east corner, rampura	cigarette	open space	open space	Tejgaon	after	0.01	0.05
12-Nov-13	10	simon tower, r-22, gulshan-1	electric line	pucca	residential	Tejgaon	after	3	10
12-Nov-13	11	r-19, h-3, mirpur 10	electric line	pucca	residential	Mirpur	before	0.2	
13-Nov-13	5	kamrangir char, lohar bridge	cigarette	open space	road	Lalbag	after	0.5	
13-Nov-13	5	gorostan road, korimollah bag, shyampur	cigarette	semi-pucca	commercial	Postogola	before	-	1
13-Nov-13	16	227, dakkhin kutubkhali, jatrabari	cigarette	semi-pucca	residential	Postogola	after	0.3	2
13-Nov-13	6	159, shanti nagar	gas riser	pucca	residential	Siddiq bazar	before	0.1	
14-Nov-13	11	section beri bandh, kamrangir char	cigarette	open space	open space	Lalbag	after	0	0
14-Nov-13	35	uttor khan mazar road, bepari para,uttara	electric line	pucca	industrial	Tongi	after	48	40
14-Nov-13	10	plot- 1/4,sec & r-7, mirpur-11.5	electric line	pucca	commercial	Mirpur	after	5	300
17-Nov-13	5	kuril bissho road, khilket	electric line	kutcha	commercial	Kurmitola	after	0.25	0.5
17-Nov-13	20	h-104, r-5, block-A, pallabi	electric line	semi-pucca	residential	Mirpur	before	0.001	30
17-Nov-13	6	shyamoli BDR bazar	electric line	kutcha	commercial	Mohammadp	after	3	50
20-Nov-13	5	staff quarter, demra	cigarette	semi-pucca	residential	Demra	after	0.1	3
20-Nov-13	7	173 elephant road	gas line	gas installatio	road	Palashi	after	0.01	
20-Nov-13	6	in front of mohakhali police box	electric line	electric installa	road	Tejgaon	after	0.35	
21-Nov-13	10	6/A north avenue, gulshan 2	weilding	pucca	residential	Baridhara	before	0.2	
21-Nov-13	10	jurain, munshibari, 260/A	stove	kutcha	residential	Postogola	after	10	30
21-Nov-13	13	312 ahmad nagar, paikpara, mirpur-1	gas line	gas installatio	road	Mirpur	before	0.04	
22-Nov-13	16	bashpotti bazar, dakkhin shek dishnir akra	electric line	kutcha	commercial	Postogola	after	2	20
22-Nov-13	32	boshundhara RA, aga khan tuler market	gas cilinder	pucca	commercial	Tejgaon	before	0.005	50
22-Nov-13	21	377/1, east rampura	gas line	gas installatio	road	Khilgaon	after	0.01	
22-Nov-13	15	r-14, h-918, adabor	electric line	pucca	residential	Mohammadp	before	0.1	5
23-Nov-13	5	plot-15, road-103, gulshan-2	electric line	pucca	commercial	Baridhara	after	5	10
23-Nov-13	5	37/A uttor flowar bisshobiddaloy	cigarette	pucca	residential	Palashi	before	1	
23-Nov-13	5	road-1, mohammadi housing ltd	cigarette	semi-pucca	residential	Mohammadp	after	0.05	1
24-Nov-13	10	424/2, east jurain	machine	pucca	industrial	Postogola	after	3	15
24-Nov-13	11	h-1101/B, adabor ring road,mohpur	stove	pucca	commercial	Mohammadp	after	0.02	20
25-Nov-13	6	175/A, dholaipar, jatrabari	machine	pucca	commercial	Postogola	after	0.5	1
26-Nov-13	7	balibit pur, demra	electric line	kutcha	commercial	Demra	before	0.3	5
26-Nov-13	11	h-211, shantibag	electric line	pucca	residential	Khilgaon	before	0.15	
26-Nov-13	10	mirpur-12, 132/133 grid subcenter capacitor bank	electric line	pucca	public service	Mirpur	after	5	100
27-Nov-13	5	CMH hospital	electric line	pucca	public service	Kurmitola	before	0.05	
27-Nov-13	10	hasina yasin electronics market, nobabpur, bongshal	cigarette	pucca	commercial	Siddiq bazar	after	0.05	10
27-Nov-13	6	213/Ka, niketon 3rd gate	electric line	pucca	commercial	Tejgaon	after	2	5
28-Nov-13	9	science laboratory bridge	electric line	electric installa	road	Palashi	after	0.005	
28-Nov-13	7	r-11, sec-12, uttara	gas line	gas installatio	road	Tongi	after	0.05	
28-Nov-13	5	h-10, r-3, b-h, kolwala para, mirpur-1	electric line	pucca	residential	Mirpur	after	0.03	20
29-Nov-13	10	konapara, shaterpul, demra	electric line	pucca	commercial	Demra	before	0.01	5
29-Nov-13	17	1 no hornath gosh road	gas line	gas installatio	road	Palashi	after	0.01	
29-Nov-13	5	dhaka new super market, block-d	electric line	pucca	commercial	Palashi	after	1	2
30-Nov-13	14	35/5 east islambag, lalbag	electric line	pucca	industrial	Lalbag	after	1	5
1-Dec-13	17	gulshan 1	electric line	pucca	residential	Tejgaon	after	0.005	0.2
2-Dec-13	10	dhaka medical, bhabon-2	electric line	pucca	public service	Siddiq bazar	before	0.2	
2-Dec-13	3	begunbari,tejga	gas line	gas installatio	road	Tejgaon	after	0.05	0.5
2-Dec-13	5	rupnagar, shiyal bari, mirpur	gas line	gas installatio	road	Mirpur	after	-	
2-Dec-13	5	242/1, rokeya soroni, west sofwal, taltola	electric line	pucca	commercial	Mohammadp	before	2	10
3-Dec-13	6	18 hornath road, lalbag	electric line	pucca	residential	Lalbag	after	0.05	0.5
3-Dec-13	2	2090/2/1 khilga RA	electric line	kutcha	commercial	Khilgaon	after	1.5	5
4-Dec-13	7	3 shahid tajuddin, h-382, mogbazar	electric line	pucca	commercial	Tejgaon	after	1	2
4-Dec-13	10	h-87, sec-12, shahkudum avenue, uttara		under construc	under construct	Tongi	before	0.01	
4-Dec-13	13	1/10 popular housing, borobag, mirpur 2	gas line	gas installatio	road	Mirpur	after	-	
4-Dec-13	10	150 west monipur,mirpur		under construc	under construct	Mirpur	before	0.02	
5-Dec-13	6	tinpapara, khilga	electric line	kutcha	commercial	Khilgaon	after	0.2	1
5-Dec-13	5	super market, darus salam road	cigarette	pucca	commercial	Mirpur	before	-	
6-Dec-13	10	CMH hospital	gas line	pucca	public service	Kurmitola	before	0.1	
6-Dec-13	21	58/2, free school street sh.. Bagan, dhanmondi	gas line	gas installatio	road	Palashi	after	0.05	
7-Dec-13	4	in front of kurmitola F.S.	electric line	electric installa	road	Kurmitola	after	0.2	
7-Dec-13	15	73/4 shanti nagar, jonaki cinema hall-er goli	electric line	pucca	residential	Siddiq bazar	before	0.1	

Date	Response Time (minute)	Location of incident	Source of fire	Structure type	Use of structure	Fire Station	Action taken	Loss (BDT in Lac)	Recovery (BDT in Lac)
7-Dec-13	11	sat rastar mor	gas line	gas installatio	commercial	Tejgaon	after	0.3	
7-Dec-13	6	under farmgate footover bridge	cigarette	open space	road	Tejgaon	after	0.001	
8-Dec-13	15	PHL bhabon, 24/3,camelibag, shanti nagar	electric line	pucca	commercial	Siddiq bazar	before	0.005	2
9-Dec-13	6	r-4, h-6, gulshan-2	electric line	pucca	residential	Baridhara	before	1	2
9-Dec-13	5	PG hospital	electric line	pucca	public service	Siddiq bazar	before	0.01	
9-Dec-13	3	7/A tejga IA	cigarette	kutcha	residential	Tejgaon	after	0.05	0.1
9-Dec-13	21	35/2 baishteki, kafrul	electric line	semi-pucca	commercial	Mirpur	after	2	7
9-Dec-13	5	A/1 milk vita road	electric line	pucca	commercial	Mirpur	after	3	5
11-Dec-13	15	15/2 shahjad pur	cigarette	pucca	commercial	Baridhara	after	0.01	
11-Dec-13	12	companygonj ghat, hazaribag	cigarette	kutcha	slum	Palashi	after	2	5
11-Dec-13	6	36/A, purana paltan, VIP road	electric line	pucca	commercial	Siddiq bazar	after	15	40
11-Dec-13	6	38/1, Ahsanullah road, islampur hossain market	electric line	pucca	commercial	Sadarghat	after	0.5	5
12-Dec-13	5	khan market, patuatuli, islampur	electric line	pucca	commercial	Sadarghat	before	1	
13-Dec-13	3	jurain shetu market	electric line	pucca	commercial	Postogola	after	1	2
13-Dec-13	15	ibrahimpur bazar, mirpur-14	gas line	gas installatio	road	Mirpur	after	0.005	
14-Dec-13	8	1/A/18/20 kadamtoli, shyampur	chemical reaction	pucca	industrial	Postogola	before	-	
15-Dec-13	18	alinagar, ashrafabad, kamrangir car	electric line	semi-pucca	industrial	Lalbag	after	5	15
15-Dec-13	15	airport	cigarette	pucca	public service	Kurmitola	after	0.5	
15-Dec-13	50	dakkhin khan, haji market	machine	pucca	commercial	Tongi	after	4	10
15-Dec-13	5	h-5, block- b, mirpur-13	electric line	pucca	residential	Mirpur	after	0.5	20
15-Dec-13	6	25/C tajmohol road	electric line	electric installa	road	Mohammadp	before	0.15	
16-Dec-13	15	jhaure, hazaribag	stove	pucca	commercial	Mohammadp	after	1	15
17-Dec-13	7	811 no moddho badda, post office-er goli, baridhara	electric line	pucca	industrial	Baridhara	after	3	2
17-Dec-13	8	pasher pul road, demra	electric line	semi-pucca	commercial	Demra	after	0.75	3
17-Dec-13	5	282/1/1/A tilpapara,3 no goli, khilga	electric line	pucca	residential	Khilgaon	after	2	3
18-Dec-13	5	393/B, 24 elephant road, cishtia market	electric line	pucca	commercial	Palashi	after	20	100
18-Dec-13	20	bulbul academy	electric line	electric installa	road	Sadarghat	after	0.1	
18-Dec-13	4	6/C,10/12 mirpur	electric line	pucca	residential	Mirpur	after	0.6	5
19-Dec-13	20	h-367, r-27, mahakhali	weilding	under construc	under construct	Tejgaon	after	0.1	2
19-Dec-13	7	mirpur 10/D	cigarette	kutcha	commercial	Mirpur	after	3	5
20-Dec-13	15	residential model school and college	electric line	electric installa	public service	Mohammadp	after	0.1	
21-Dec-13	25	nafpara, west manikdi, cant.	gas cilinder	semi-pucca	residential	Kurmitola	after	0.03	0.1
21-Dec-13	10	baily road, in front of switch bekary	electric line	electric installa	road	Siddiq bazar	after	0.15	
21-Dec-13	12	moddho monipur, 60 ft road, mirpur	electric line	electric installa	road	Mirpur	after	0.35	
21-Dec-13	4	167/A, dhanmondi 32	electric line	electric installa	road	Mohammadp	after	-	
22-Dec-13	3	notun bazar bus stand	electric line	kutcha	commercial	Baridhara	after	1	0.5
23-Dec-13	3	52 jonson road, sutrapur	electric line	pucca	recreational	Sadarghat	after	10	500
23-Dec-13	5	shacib hostel, sangsad bhabon compound	cigarette	open space	residential	Mohammadp	after	0	
24-Dec-13	5	36/2/B kakrail	cigarette	kutcha	commercial	Siddiq bazar	after	0.5	5
24-Dec-13	11	amanut vila' block-B, r-1, h-38, mirpur-13	cigarette	pucca	residential	Mirpur	before	0.005	5
25-Dec-13	6	kunipara, tejga IA	electric line	pucca	commercial	Tejgaon	after	0.3	2
25-Dec-13	20	r-3, block-g, h-220, bonosree, rampura	electric line	pucca	residential	Khilgaon	after	1	10
25-Dec-13	5	plot-13/D, zoo road, mirpur	electric line	pucca	residential	Mirpur	before	0.05	50
25-Dec-13	3	17/1 G, 1 tolarbag, mirpur-1	electric line	semi-pucca	industrial	Mirpur	after	10	50
25-Dec-13	5	central hospital, graan road, h-5, r-2	weilding	under construc	public service	Mohammadp	before	0.05	20
26-Dec-13	12	dakkhin khan, ashkona medical road, airport	gas cilinder	pucca	residential	Kurmitola	before	0.02	0.1
27-Dec-13	12	millat camp, block-b, mirpur-11	electric line	kutcha	slum	Mirpur	after	5	15
28-Dec-13	8	fokirapul kutcha bazar, azmeri hotel, 279	cigarette	semi-pucca	commercial	Siddiq bazar	after	1	20
28-Dec-13	15	71/C, boubazar, jikatola	electric line	pucca	commercial	Mohammadp	before	30	100
29-Dec-13	10	rassian embasy	machine	semi-pucca	commercial	Baridhara	after	5	10
29-Dec-13	6	19 shakhari bazar	electric line	pucca	industrial	Sadarghat	after	0.15	5
30-Dec-13	10	fokirapul gorom pana	electric line	pucca	commercial	Siddiq bazar	before	0.2	2
31-Dec-13	7	162-c/5 santi nagar	stove	pucca	residential	Khilgaon	after	0.05	2
31-Dec-13	5	h-7/1, block-A, awor jihor road, mohpur	electric line	pucca	commercial	Mohammadp	before	0.2	80
31-Dec-13	10	24 green corner, green road	electric line	pucca	residential	Mohammadp	before	0.1	10

APPENDIX-B

Check List for Fire Station Survey

Research on

A STUDY ON FREQUENCY OF FIRE INCIDENTS AND FIRE FIGHTING CAPACITY IN DIFFERENT LAND USE CATEGORIES OF DHAKA METROPOLITAN AREA

Check list for Fire station survey

Name of the fire station: …….

Date:

1. Coverage Area of the station:
2. Served population size:
3. Number of fireman:
    a. Officials:
    b. Staff/Fireman:
4. Number and capacity of emergency vehicle:

Name	Number	Capacity
Water tender	a.	
	b.	
	c.	
Special water tender	a.	
	b.	
Toeing vehicle		
Pump		
Hose pipe	Dia:	
	Length:	
Foam tender/trolly		
Chemical tender		
Turn-table ladder		
Two wheeler water mist		
Ambulance		
Other special		

5. In there any water hydrant in service area?

6. If no, what is the water source for fire-fighting:

7. What is the fire-fighting process in areas of narrow roads?

8. What is the fire-fighting process in areas of high rise building?

APPENDIX-C

List of Key Person

1. Major AKM Shakil Newaz, Director (Ops & Maints), Fire Service and Civil Defence
2. Mohammad Belal Ahmed, Station officer, Sadrghat fire station;
3. Md. Nuruzzaman, Station officer, Tejgaon fire station
4. Md. Abdulllah-Al-Arafin, Senior Station officer, Mirpur fire station

APPENDIX-D

Detail Classification of Land uses at Different Fire Incidental Zones

No. of fire incidents (per .01 sq.km)	Land use category	Area (sq. km.)	Percentage of total area
Extremely high fire incidental zone (83-104)	Commercial use	0.076915	38.46
	Mixed use	0.051358	25.68
	Residential use	0.041092	4.85
	Public service	0.009693	20.55
	Road	0.020940	10.47
	Total	**0.2**	**100**
High fire incidental zone (62-83)	Commercial use	0.185559	20.17
	Industrial use	0.005233	0.57
	Mixed use	0.227730	24.75
	Residential use	0.119955	13.04
	Public service	0.196305	21.34
	Recreational use	0.004529	0.49
	Restricted use	0.006208	0.67
	Road	0.140631	15.29
	Agricultural land	0.009275	1.01
	Water body	18981.4974	2.06
	Total	**0.92**	**100**
Moderate fire incidental zone (41-62)	Commercial use	0.781450	12.67
	Industrial use	0.122736	1.99
	Mixed use	0.998337	16.18
	Residential use	2.086167	33.83
	Public service	0.635546	10.30
	Recreational use	0.239156	3.87
	Restricted use	0.140837	12.67
	Road	1.068785	17.33
	Agricultural land	0.008631	12.67
	Water body	0.084425	1.38
	Total	**6.21**	**100**

No. of fire incidents (per .01 sq.km)	Land use type	Area (sq. km.)	Percentage
Low fire incidental zone (21-41)	Commercial use	2.027561	6.78
	Industrial use	1.174042	3.92
	Mixed use	2.143989	7.16
	Residential use	14.557974	48.68
	Public service	3.494563	11.68
	Recreational use	0.366647	1.22
	Restricted use	0.757076	2.53
	Road	4.436569	14.84
	Agricultural land	0.155573	0.52
	Water body	0.788327	2.57
	Total	**30.01**	**100**
Extremely low fire incidental zone (01-21)	Commercial use	3.701180	2.50
	Industrial use	3.533868	2.39
	Mixed use	2.600816	1.75
	Residential use	78.767184	53.28
	Public service	8.087379	5.47
	Recreational use	1.547427	1.05
	Restricted use	14.400392	53.29
	Road	10.869882	7.35
	Agricultural land	8.411548	5.69
	Water body	15.295433	10.34
	Total	**147.82**	**100**