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REPORT OF MOCK DRILL AT MOMENTS MALL KIRTI NAGAR, ON 23/09/2016 ON
THE SCENARIO OF FIRE DUE TO SHORT CIRCUIT



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INTRODUCTION

A mock drill was conducted at MOMENTS MALL, KIRTI NAGAR, by DDMA (West) on 23rd September, 2016 at 11:27 am. It was purely a surprise mock drill based on the scenario of fire due to short circuit in the Main power supply room in the basement of the building, which further lead to rapid fire spread at different levels of the Mall. The major focus area for this entire exercise was to check emergency preparedness of the ESFs in case of such kind of disaster, and to assess the response time as well as their response mechanism.

OBJECTIVES

The objectives encompassed in the Mock drill was

- To corroborate the Standard Operating Procedures (SOPs) of various departments.
- To highlight the roles and responsibilities of different stakeholders at disaster situation.
- To assess the capacities of stakeholders and various departments.
- To create general awareness amongst the staff of the Mall.
- To check the fire preparedness level of Moments Mall staff and shop owners of the same building.
- To check the message transmission timings/delay within various ESFs by the Disaster Control (1077) and District Control room.

SCENARIO

On 23rd January, 2016, at around 11:27 AM, there was short circuit in the main power supply room in the Basement area, and subsequently fire broke out. The fire even reached 1st and 11th floor of the building. Total 04 people were seriously injured, 02 had minor injuries and 01 person died.

STRATEGY OF IMPLEMENTATION

Step 1:

On 5th September, 2016, it was decided with the consent of Additional District Magistrate (West) that, DDMA (West) will conduct a mock drill on the above mentioned scenario. On the same day, location of the mock drill was also finalized.

Step 2:

On 6th September, 2016, District Project officer (West) and Project Coordinator (West) checked the site which was chosen for the Mock Drill and the Staff of Moments Mall was briefed regarding the scenario of Mock Drill as well as the Date and Time was also finalized.

Step 3:

1. On 23rd September, 2016 at 11:27 AM, Mock Drill was started as per decided scenario and a representative (Security Manager) from the Moments Mall informed Disaster Control Room (1077) regarding the fire due to short circuit in the Mall at 11.29 A.M. After that, Disaster Control activated all ESFs and also informed EOC of DDMA (West)
2. Calls were made to the concerned ESFs i.e., Police, Fire, St. Johns Ambulance, ARDHS, Civil Defense, Traffic Control, MCD, CATS ambulance, NDPL etc from the Emergency Operation Center of District Disaster Management Authority (West).
3. EOC (West) stayed connected with the incident commander at the location of incident through telephone only and after reaching of the QRT (West), Incident commander used the wireless set of the QRT (West).

DETAILED TIME LOG OF VARIOUS DEPARTMENTS:-

West District				
S. No	Name	Phone No	Call Time	Response Time
1.	Disaster Control Room	1077	11: 29 A.M (by Cinema representative)	-
2.	Police Control Room	100	11:34 A.M	11:48 A.M
3.	Fire Control Room	101	11:35 A.M (No response)	11:43 A.M
			11:37 A.M	
4.	CATS	1099	11:38 A.M	12:15 P.M
5.	Sh. Ojas S. Walia (St. John Ambulance)	9818372354	11:39 A.M	11:47 A.M
6.	QRT (West)	-	11:39 A.M	11:46 A.M
7.	Dr. Rakesh Gilani (ARDHS)	011-25081250	11:41 A.M (No response)	12:12 A.M
		8745011256	11:43 A.M	
		8745011323	11:45 A.M	
8.	Sh. S.M. Chopra (D. W.)	9871337708	11:41 A.M	
9.	Sh.Suresh Kumar Malik ICD (W)	9868371609	11:33 A.M	11:35 A.M
10.	Sh. K.C Gupta EE (MCD),	9717788665	11:34 A.M (phone busy)	11:48 A.M
			11:36 A.M	

11.	Aman Kumar (Station officer, Moti Nagar)	8750270101	11:35 A.M 11:38 A.M 11:45 A.M	11:57 A.M
12.	Smt. Asha Chaudhary Malholtra ADM(West)	9871035888	11:40 A.M 11:44 A.M	-
13.	Sh. Ravindra Singh SDM (HQ-1/PN)	9811884326	11:40 A.M	11:59 A.M
14.	Sh. Virender Singh SDM (RG)	9540949922	11:41 A.M	11:59 A.M
15.	Sh. Rajnikant Avadhia ACP Traffic.	8750871415	11:42 A.M	-
16.	Sh. Pushpendra Kumar (DCP, West)	9818099049	11:43 A.M (No response) 11:46 A.M (No response) 11:56 A.M (No response)	-
17.	Sh. Manmohan , SE PWD Maintaining Dept.	9818400410	11:38 A.M 11:42 A.M	12:12 P.M
18.	NDPL, Kirti Nagar Asst. Manager Sh. Sunil Kumar Sharma	9650095504	11:37 A.M	12:16 P.M
19.	SHO, Kirti Nagar Sh. Manoj Kumar	8750871122	11:36 A.M	11:57 A.M
20.	Traffic Inspector Brijesh Malik	8750871462 011- 25876079	11:39 A.M	11:45 A.M
21.	Traffic Police (west)	011- 25934545 011- 25441909	11:40 A.M	11:45 A.M

Evacuation, Search and Rescue:



ANALYSIS OF MOCK DRILL

Under overall supervision of SDM, Rajouri Garden (West), SDM, Patel Nagar/HQ-1 (West), District Project Officer (West) and Project Co-ordinators (West), the nodal departments namely Delhi Police, Delhi Traffic Police, Delhi Fire Service, CATS, Volunteers of Civil Defence etc carried out the rescue operation.

A scenario of 01 death, 04 seriously injured and 02 people having minor injuries was created inside the premises of Moments Mall, Kirti Nagar. The injured were rushed to the nearby hospital Acharya Shree Bhikshu Hospital, Moti Nagar.

Details of Casualties sent to different neighbouring Hospitals:

S.No	Name of the Neighbouring Hospitals	Number of Casualties
1.	ASB hospital	01(Dead), 04 (Major Injured), 02 (Minor Injured)

STRENGTHS

1. The exercise generated a lot of awareness about such kind of scenario among various departments as well as the staff and shop owners of Moments Mall.
2. Delhi Fire Service was the first respondent at the site and reached at the incident site within 5 minutes.
3. Evacuation operation was carried out properly by Fire Rescuer from Delhi Fire Service, Delhi Police, Civil Defence and QRT (W). All the casualties were rescued and evacuated from the incident site.
4. St. John Ambulance Brigade reached the incident spot spontaneously and did the work of First Aid. All major injured casualties were shifted to nearby hospitals by their ambulance, some through the PCR (Delhi Police) and QRV (West) very efficiently.

WEAKNESSES AND SUGGESTIONS:

1. As it was the scenario of Fire due to Short Circuit which was placed in the Basement, fire tender should be equipped with the all needful equipment to douse the electric type of fire. And the Mall should also keep in mind that there should be sufficient passage area for fire service in case any such mishappening takes place in future.

2. The message transmission from the Disaster Control room (1077) was delayed, which further caused delay in receiving incident call to the District Disaster control room (West). This message transmission delay affects the whole ESFs reporting time.
3. The EOCs should be strengthened in terms of better infrastructure, communication system and human resources. EOC should be technologically well-equipped for better communication and coordination with the ESFs. For example, provision of GPS system for tracing of QRT and there should be a static tetra set in the QRV of DDMA West so that in emergency cases QRT can response on well time.
4. All the ESFs can coordinate in a much better way if they are also provided with TETRA sets working at the same frequency as that of DDMA.
5. NDPL team reported very late at the incident site, as it was a fire incident due to short circuit, electricity of the whole area should be cut down at that time to avoid and grisly situation.

BRIEFING SESSION OF THE MOCK DRILL

A briefing session was held at the end of this mock exercise, in which department heads, Area SDM, District Project officer (West) and Project coordinators (West) addressed the session and following points came in the light:

- As the incident was about fire due to short circuit, which needs the electric supply of the building to be cut out immediately, NDPL should report on time to the incident site.
- As per the SDM Mr. Virender Singh, the mall authorities should keep a safe passage area and not construct kiosks in the middle of the gallery as it obstructs the evacuation process.
- Fire department's tender should be equipped with the all needful equipments and the fire team should know the type of call/scenario of the call so that they can do their rescue operation according to the incident type.
- According to the DDMA officials (DPO and PC, West) there was lack of coordination between the Emergency Support Functionaries. They should work as a team so that their response timing is minimum during any such disaster.



In the end, we can conclude that, the representatives of all departments appreciated the efforts of all the ESFs who participated in the mock drill as well as the Moments Mall authority preparedness and involvement in the mock drill and proposed that more mock drills would be organized in future to check the preparedness of various departments and all the ESFs will try to improve and implement the suggestions which came up during the entire mock exercise.

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