



OFFICE OF THE DISTRICT MAGISTRATE
DISTRICT DISASTER MANAGEMENT AUTHORITY (WEST)
GOVERNMENT OF THE NCT OF DELHI
OLD MIDDLE SCHOOL COMPLEX, RAMPURA, DELHI-110035
PH: 011-27397814, 27396629



सत्यमेव जयते

**REPORT OF MOCK DRILL AT MAHARAJA AGRASEN HOSPITAL, PUNJABI BAGH
ON 21/11/2016 ON THE SCENARIO OF FIRE DUE TO SHORT CIRCUIT**



1. INTRODUCTION.....
2. OBJECTIVE.....
3. SCENARIO.....
4. STRATEGY OF IMPLEMENTATION.....
5. DETAILED TIME LOG OF VARIOUS DEPARTMENTS.....
6. DETAILS OF INJURED PERSONS SENT TO DIFFERENT HOSPITALS....
7. ANALYSIS OF MOCK DRILL
 - a. Strengths
 - b. Weaknesses.....
 - c. Suggestions.....
8. BRIEFING SESSION

INTRODUCTION

A mock drill was conducted at MAHARAJA AGRASEN HOSPITAL, PUNJABI BAGH by DDMA (West) on 21st November, 2016 at 02:01 pm. It was purely a surprise mock drill based on the scenario of fire due to short circuit in the Main electric panel in the basement of the hospital building, which further lead to rapid fire spread in first , second and third floor of the Hospital. The major focus for this entire mock exercise was to check emergency preparedness of the ESFs and the Hospital preparedness to cope up in case of such kind of disaster, and to assess the response time as well as their response mechanism as we have witnessed a fire tragedy in a hospital in Bhubaneswar, Orissa which caused death of 17 patients of that hospital.

OBJECTIVES

The objectives encompassed in the Mock drill was

- To corroborate the Standard Operating Procedures (SOPs) of various departments especially of Hospital.
- To highlight the roles and responsibilities of different stakeholders at disaster situation and Hospital.
- To assess the capacities of stakeholders, Hospital and various departments.
- To create general awareness amongst the staff of the Hospital.
- To check the fire preparedness level of Hospital staff of the same building.
- To check the Search & Rescue methods of lifting the casualties by the hospital staff as DDMA (West) is going on in the all major installations of District West.
- To check the message transmission timings/delay within various ESFs by the Disaster Control (1077) and District Control room.

SCENARIO

On 21st November, 2016, at around 02:01 PM, there was short circuit in the main electric panel of the hospital in the Basement area, and subsequently fire broke out. The fire even reached Ist, IInd and IIIrd floor of the building. Total 15 people were seriously injured, 06 had minor injuries, 04 had major injuries and 02 person brought dead.

STRATEGY OF IMPLEMENTATION

Step 1:

On 5th November, 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 19th November, 2016, District Project officer (West) and Project Coordinator (West) checked the site which was chosen for the Mock Drill and the Staff of Maharaja Agrasen Hospital was briefed regarding the scenario of Mock Drill as well as the Date and Time was also finalized.

Step 3:

1. On 21st November, 2016 at 02:01 PM, Mock Drill was started as per decided scenario and a representative from the Maharaja Agrasen Hospital informed Delhi Fire Service (101) and Disaster Control Room (1077) regarding the fire due to short circuit in the electric panel of at 02:01 P.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. Delhi Fire Service, Delhi Police, CATS Ambulance, St. Johns Ambulance, BSES staff, Civil Defense, Traffic Control, MCD 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:-

S. No	Name	Phone No	Call Time	Response Time
1.	QRT-Driver	9711800693	2.06 pm	02:07
2.	Disaster Control Room (011-27397814)	1077	2:06 pm	-
3.	Police Control Room	100	02:07 pm	02:20 pm, 02:25 pm 02:21 pm
4.	Fire Control Room	101	02:09 pm 02:11 pm	02:10 pm
5.	CATS	1099,102	02:12 pm	02:15 pm 02:18 pm
6.	DFO, Sh. Mukesh Verma	9810445332	02:06 pm	-
7.	Sh. Ojas S. Walia (St. John Ambulance)	9818372354	02:07 pm	-
8.	Dr. Sunita Prasad (CDMO)	8745011323	02:08 pm	02:19 pm
9.	BSES, Manager Sh. Gajender Singh S. Pawan Yadav (Labour)	9313581845	02:08 pm 02:09 pm	02:25 pm
10.	D. W. Sh. P. S. Gulati C. W. Deepak Anand	9811022347 9810041865	02:10 pm 02:11 pm	02:10 pm
11.	Sh. Suresh Kumar (ICD)	9868371609	02:11 pm	-
12.	Traffic Inspector Sh. Sudhir Kumar	8750871464	02:12 pm	-
13.	SHO ,Punjabi Bagh Sh. Rajiv Bhardwaj	8750871125	02:05 pm	-
14.	Sh. Deepk Gehlot (E. E.)(M)	8588888575	02:06 pm	-
15.	Sh. Govind Ram ADM(W)	8826707949 9474269300	02:07 pm	02:27 pm
16.	Sh. Ajit Roy SDM (PB)	9717339665	02:08 pm	02:18 pm
17.	Sh. Rajnikant Awadhiya ACP Traffic.	8750871415	02:08 pm	-
18.	Sh. Vijay Kumar (DCP, West)	9818099049	02:09 pm	-
19.	Sh. Manmohan , SE (PWD) Sh. Virender Singh ,AE (PWD)	9818400410 9968296526	02:12 pm 02:11 pm	-
20.	ASI Sh. Buta Singh, Traffic Control			02:08 pm

21.	MGS Hospital Ambulance		02:16 pm
22.	MCD, Sh. S. S. Hooda		02:14 pm
23.	MA Hospital Life Support		02:16 pm

Evacuation, Search and Rescue:



ANALYSIS OF MOCK DRILL

Under overall supervision of ADM (West), SDM (Punjabi Bagh), District Project Officer (West) and Project Co-ordinators (West), the nodal departments namely Delhi Police, Delhi Traffic Police, CATS, Volunteers of Civil Defence etc carried out the rescue operation.

A scenario of 02 death, 05 seriously injured and 06 people having minor injuries was created inside the premises of Maharaja Agrasen Hospital, Punjabi Bagh. The injured were immediately cured and given first aid by the staff of Maharaja Agrasen Hospital and some casualties were rushed to MGS Hospital, Punjabi Bagh.

Details of Casualties sent to different neighbouring Hospitals:

S.No	Name of the Neighbouring Hospitals	Number of Casualties
1.	MGS Hospital	02(Dead), 04 (Major Injured), 06 (Minor Injured)

STRENGTHS

1. The exercise generated a lot of awareness about such kind of scenario among various departments as well as the hospital staff and Doctors. It was like an exercise to review the SOPs of Disaster Management plan of the Hospital.
2. Delhi Fire Service was the first respondent at the site and reached at the incident site within 11 minutes from Keshavpur Depot as the respondent Moti Nagar Fire Station was engaged in some other real time fire incident.
3. Evacuation operation was carried out by Hospital staff and QRT (W) properly. All the casualties were rescued and evacuated from the incident site.
4. First Aid given to all minor and major injured casualties by the Maharaja Agrasen Hospital doctors quickly and some major injured casualties shifted to Maharaja Agrasen Hospital emergency ward, some of them were shifted to near hospital MGS Hospital by QRT (West), Maharaja Agrasen Hospital Ambulance and MGS Hospital Ambulance.
5. The Hospital Staff was very efficient and quick in to provide life support and First-Aid to the casualties which is very important to save a life during any Disaster.
6. The Hospital Staff was also quickly transferred to First Aid Post of the Hospital to give First Aid to casualties.

WEAKNESSES AND SUGGESTIONS:

1. As it was the scenario of Fire due to Short Circuit which was placed in the electric panel in the basement, and the site was a hospital hence Fire Department should be guided about the fire burning spot at site at entrance so that quick response can be done at the same time Fire Department also take mock exercise as a serious review exercise.
2. The call hierarchy by EOC (West) should be according to the type of incident so that immediate and important ESFs can be report early to the site.
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. During the drill Hospital was found not following Do's and Don'ts of the post Disaster operations and the various Search & Rescue methods to handle casualties.
5. 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.
6. One of the BSES labour reported at incident site and that is also very late, 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.
7. Every Department should take Mock Drill/Exercise should take as a revise event of various SOPs of different ESFs. These types of drill can minimize the real post disaster effects so that we may not witness any Bhubneshwar (Orissa) type of incident.
8. It was also found during the drill that Delhi Police reported very late however Delhi Police is the first responding ESF.

BRIEFING/REVIEW SESSION OF THE MOCK DRILL

A briefing session was held at the end of this mock exercise, in which Hospital Staff of Maharaja Agrasen Hospital, Department heads, ADM (West), SDM (Punjabi Bagh), District Project officer (West) and Project coordinators (West) addressed the session and various points came in the light.

According to the District Project Officer, DDMA (West) following point should remain in concern in further drills and real time disasters:-

- There was lack of coordination in the staff of Hospital as many of the doctors were not aware about that the mock drill is going on in the hospital. As to stand and survive against any disaster is not the task of single human this should be a team work hence information circulation should be strong in terms of inter department and also public announcements.
- External ESFs will take time to reach to the incident site hence hospital also advised to use their fire fighting equipments like Fire extinguishers to douse the fire at first.
- DPO (West) also instructed the Hospital administration to display the Disaster Evacuation Plan clearly so that people can find out the exit ways easily in any emergency.

SDM (Punjabi Bagh) District West has keenly observed the complete drill and at the briefing session pointed out his findings of the drill and lead the way. Some of the observations are as follows:-

- As per the SDM, Punjabi Bagh, Parking of vehicles during any emergency situation was the major concern for hospital and it should be solved.
- SDM (PB) advised the Hospital Staff to handle these types of situations calmly and to not make chaos during any kind of emergency.
- Hospital should revise their SOPs of responding in any Disaster Situation and also to coordinate with the nearby hospital to deal with any mass casualties' disaster.
- At last he advised the hospital to remain connected with DDMA (West) to conduct any type of mock drill/exercise and conducted them periodically.

ADM (West) highlighted the various points about the drill by appreciating the efforts taken by various departments to make the drill successful:-

- As the incident was about fire due to short circuit, which the electric needs supply of the building to be cut out immediately, BSES should report on time to the incident site with proper manpower and equipments.
- ADM (West) appreciated the reporting time of the ESFs to take further action at their end.

- He also explained the danger of neglecting small faults in surroundings especially in Hospitals as it not only has Doctors in it but also the patients inside who are not able to help themselves.
- He ended the session by giving vote of thanks and appreciation to all of the Emergency Support Functionaries.





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 Maharaja Agrasen Hospital 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.

(GOVIND RAM)
ADM/CEO DDMA WEST
DISTRICT WEST, DELHI