

## District North

1. The Mega Mock Drill was conducted in District North on 15.02.2012 at 11:30 AM, as follows: -

2.

S. no	Name of the Incident Sites
1.	Raj Niwas,
2.	DC Office Building,
3.	Interlock Mall,
4.	Metro Station Inderlok,
5.	Wazirabad Water Works,
6.	Residential Area,
7.	Interlock Residential Area,
8.	Malka Ganj Residential Area,
9.	Yamuna Bazar Flyover,
10.	Phool Mandi Mori Gate,
11.	CNG Station Majnu Ka Tilla,
12.	Tirath Ram Hospital,
13.	Sant Paramanad Hospital,
14.	Fifty Schools in District North and
15.	Three College in District North
16.	50 Schools
17.	Colleges

3. The main **objective** of this mock drill was to assess the functions of all Emergency Support Functionaries (ESFs) in managing disasters in the district north. The scenario of the mock drill was as following:

An earthquake of 7.9 on the rector scale with its epicenter at Muradabad in Uttar Pradesh has happened at 11:30 AM on 15th February, 2012. strong tremors has been felt as it located at a shallow depth beneath the surface, the earthquake caused strong shaking in many areas adjacent to its epicenter reportedly lasting 48 seconds.

4. For the preparation of conduct of Mega Mock Drill, 03 Meeting were conducted with School Principals, College Principals, RWA's, and all ESFs & Stakeholders.
5. 400 Civil Defence Volunteers were deployed as dummy casualties at all the sites.
6. On 15<sup>th</sup> feb 2012 District North Temporary EOC asre working Under the Super vision of DPO(N), DEO (N) and # Civil Defense Voleenter .

7. **Total number of casualties in District North :**

1. Killed – **24**(Actual)                      400(simulated)
2. Injured – **110**(Actual)                      2500(simulated)

8. **Hospital where Patient Shifted**

S.No.	Venue	Events	Casualties	Hospital were Patient Shifted	Incident Commander / Staff
1	Aruna Asaf Ali Hospital	Attending hospitals	-	-	Sh. Ashish Kumar, SDM (Civil Line) (9717844227) / Sarvinder, Patwari (9811289786)
2	St. Stephen Hospital	Attending hospitals	-	-	Sh S.K. Tyagi Tehsildar (Kotwali) (9871289865)
3	Hindu Rao Hospital	Attending hospitals	-	-	Sh Rakesh Sharma , SDM (Kotwali) (9891848855)
4	Shushruta Trauma Centre	Attending hospitals	-	-	Sh Rakesh Sharma , SDM (Kotwali) (9891848855)

9. **Relief Centre** = Relief Centre will be set up at Qudsia Ghat where the Affected Persons (homeless ) will be brought and given shelter. At the relief centre food , medical facilities etc will be provided. Incharge of the relief centre will be Sh. Ashok Kumar, OS (Administration).

10. The NDRF Batalian of 40 personnel's reported for Search & Rescue Operation in the District North at Inderlok Metro Mall And Inderlok Metro Station.
11. The CID, Delhi Police SWAT, also reported at certain incident sites during search & rescue operation.
12. The Mega Mock Drill was called off in the district at 03:00 PM.

### **STATUS REPORT OF ALL THE INCIDENT SITES**

#### **1. Raj Niwas**

At exact 11:30am severe tremors due to Earthquake were felt at Raj Niwas and a siren was also sounded to inform all about the same. At around 11:31am the control Room of District North was informed about the severe Earthquake. 1077 the disaster control help line number failed to respond inspite of repeated calling. The officer and staff inside Raj Niwas were in a systematic manner escorted outside to an open area. Hon'ble Lt. Governor Delhi also participated in the Mock drill.

#### **Casualty status**

No Causality at Raj Niwas.

#### **I. Time log of Emergency Support Functionaries at Raj Niwas**

S. No.	Name of the Department	Call Time (EOC NORTH)	Response Time
1.	Delhi Police	11:32am	11;33am,11:35am

- Ambulance and fire could not be seen at Raj niwas

## **II. Response Status of All ESFs**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Equipments</b>
1	Delhi Police	2PCR Vans

### **Incident Command Post**

Incident command Post was set up in Raj Niwas under the supervision of **SDM Civil Lines, Sh. Ashish Kumar**. DC (N) Sh. Z. U .Siddiqui were observing the incident site.

## **2. DC Office Building**

### **Casualty status**

The Latest status of Dead and Injured Persons as per report of the Hospital is as under:-

<b>Name of the Hospital</b>	<b>No. of Death</b>	<b>No. of seriously Injured</b>	<b>No. of Minor Injured</b>	<b>Total Affected</b>
-----	00	00	02	02

**First Aid was given by the CD Volunteer on the spot.**

### **DC Office Building**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Call Time (EOC N)</b>	<b>Response Time</b>
1.	Delhi Police	11:38am	02:48 pm
2.	Delhi Fire Services	11:33am	02:51 pm

### **Response Status of All ESFs**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Equipments/Logistics</b>
1	Delhi Police	Around 9 PCR
2	ACP Traffic	1 Traffic van
3	Delhi Fire Services	1 Fire Tender
4	DHS	Established Medical Post
5	Revenue Department	SDM Shahdara with their team
7	CATS	1 Ambulance
8	MTNL	2 phones & 4 mobile phones
9	Delhi Jal Board	2 Water tanker
10	MCD	2 JCB, 1 Suction Machine, 1 loader

### **Incident Command Post**

Incident command post was set up at incident site under the surveillance of S.S Nagi PS to D.C north and DPO Neetesh Rai. ADM. (N) Shamim Akhtar was observing overall scenario.

### **3. Inderlok Metro Mall**

- Fire has broken out in the Mall and building collapsed due to the occurrence of Earth Quake.

### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital is as under:-

<b>Name of the Hospital</b>	<b>No. of Death</b>	<b>No. of seriously Injured</b>	<b>No. of Minor Injured</b>	<b>Total Affected</b>
Hindu Rao Hospital	02	04	05	11

**Time log of Emergency Support Functionaries (ESFs)**

S. No.	Name of the Department	Response Time
2.	Delhi Police	11:32am,11:35am
3.	Traffic Police	----
4.	Delhi Fire Services	11:50am
5.	DHS	11:35am
6.	Civil Defence	11:40am
7.	CATS	11:35am
8.	NDPL	11:40am
9.	MTNL	11:50am
10.	CID	11:35am
11.	NDRF 8Bn	11:45am

**Response Status of All ESFs**

S. No.	Name of the Department	Equipments/ Machinery brought at site
1	Delhi Police	8 PCR Vans
2	Traffic Police	3 Vans
3	Delhi Fire Services	2 Fire Tender
4	DHS	Medical Post established both at incident site and relief center
6	CATS	2 Ambulance
7	NDPL	1 Van
8	MCD	1 JCB But Late
9	DTC	Not Responded
10	PWD	Not Responded

#### **Incident Command Post**

Incident command Post was set up at Inderlok Mall under the supervision of **Tehsildar Sadar Bazar** and **DC (N)** were observing the incident site.

#### **4. Metro Station Inderlok**

##### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

<b>Name of the Hospital</b>	<b>No. of Death</b>	<b>No. of seriously Injured</b>	<b>No. of Minor Injured</b>	<b>Total Affected</b>
Hindu Hospital	02	05	08	15

##### **Time log of Emergency Support Functionaries (ESFs)**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Response Time</b>
1	Delhi Police	11:32am,11:35am
2	Traffic Police	
3	Delhi Fire Services	11:50am
4	DHS	11:35am
5	Civil Defence	11:40am
6	CATS	11:35am
7	NDPL	11:40am
8	MTNL	11:50am
11	CID	11:35am
12	NDRF 8Bn	11:45am

### **Response Status of All ESFs**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Equipments/ Machinery brought at site</b>
1	Delhi Police	8 PCR Vans
2	Traffic Police	3 Vans
3	Delhi Fire Services	2 Fire Tender
4	DHS	Medical Post established both at incident site and relief center
7	CATS	2 Ambulance
10	NDPL	1 Van
12	MCD	1 JCB But Late
13	DTC	Not Responded
14	PWD	Not Responded

### **Incident Command Post**

Incident command Post was set up at Metro Station Inderlok under the supervision of **SDM Sadar Bazar, S.K. Nigam** and **DC (N)** were observing the incident site.

## **5. Yamuna Bazar Fly Over**

**Due to the occurrence of Earthquake, Yamuna Bazar Fly over of District North have developed deep holes and most of them cannot sustain vehicles traffic.**

### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

<b>Name of the Hospital</b>	<b>No. of Death</b>	<b>No. of seriously Injured</b>	<b>No. of Minor Injured</b>	<b>Total Affected</b>
Trauma Center	01	03	05	09



**Time log of Emergency Support Functionaries (ESFs)**

S. No.	Name of the Department	Call Time (EOC NE)	Response Time
1	Delhi Police		11:39am.11:40am, 11:42am, 11:50am,
2	Delhi Police Team		12:20am
3	Traffic Police		11:40am
4	Delhi Fire Services		11:45am. 11:50am
5	DHS		11:38
7	CATS		11:37am, 11:55am
8	MCD		11:34am, 11:35am

**Response Status of All ESFs**

S. No.	Name of the Department	Equipments/ Machinery brought at site
1	Delhi Police	4 PCR Vans
2	Traffic Police	1 Vans
3	Delhi Fire Services	2 Fire Tender
4	DHS	Medical Post established at incident site
6	Civil Defence	Civil defence personnel
7	CATS	2 Ambulance
8	MCD	1 JCB

**Incident Command Post**

Incident command Post was set up at Yamuna Bazar Fly over under the supervision of **SDM Kotwali Sh. Rakesh Sharma** and **DC (N)** was observing the incident site.

## 6. Majnu ka Tilla (Filling Point)

Fire has broken out in CNG stations due to the occurrence of earthquake.

### Casualty status

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

Name of the Hospital	No. of Death	No. of seriously Injured	No. of Minor Injured	Total Affected
Shusrut Trauma Center	00	01	01	02

### Time log of Emergency Support Functionaries (ESFs)

S. No.	Name of the Department	Call Time (EOC NE)	Response Time
1	Delhi Police		11:42am, 11:53am
2	Recovery van		11:42am
3	Delhi Fire Services		11:45am
4	DHS		
5	Revenue Department		11:30

### Response Status of All ESFs

S. No.	Name of the Department	Equipments/ Machinery brought at site
1	Delhi Police	2 PCR Vans
2	Delhi Fire Services	1 Fire Tender
5	BSES Yamuna Power Ltd.	Emergency Light without generator
6	Delhi Jal Board	Not Responded
7	MCD	Not Responded

### Incident Command Post

Incident command Post was set up at Majnu ka Tilla (Filling Station) under the super vision of **Sh. Charanjeet OS** and **SDM Civil lines** were observing the incident site.

## **7. Phool Mandi Mori Gate**

**Road accidents occur due to the earthquake tremor at Phool mandi Morigate.**

### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

<b>Name of the Hospital</b>	<b>No. of Death</b>	<b>No. of seriously Injured</b>	<b>No. of Minor Injured</b>	<b>Total Affected</b>
St. Stephens Hospital	02	04	06	12

### Time log of Emergency Support Functionaries (ESFs)

<b>S. No.</b>	<b>Name of the Department</b>	<b>Call Time (EOC NE)</b>	<b>Response Time</b>
1	Delhi Police		11:39am, 11:45am, 11:42am,
2	Traffic Police		
3	Delhi Fire Services		11:40am
4	DHS		11:35am
5	CATS		11:52

### **Response Status of All ESFs**

S. No.	Name of the Department	Equipments/ Machinery brought at site
1	Delhi Police	3 PCR Vans
2	Traffic Police	----
3	Delhi Fire Services	1 Fire Tender
4	DHS	Medical Post established at incident site
7	CATS	1 Ambulance

#### **I. Incident Command Post**

Incident command Post was set up at Phool Mandi Mori gate under the supervision of SDM Rakesh Sharma (Kotwali) .

### **8. 313/44 B-22 Block A9 inderlok.**

#### **Casualty status**

The Latest status of Dead and Injured Persons as per report of the Hospital, is as under:-

Name of the Hospital	No. of Death	No. of seriously Injured	No. of Minor Injured	Total Affected
Hindu Rao Hospital	03	04	04	11

### **Time log of Emergency Support Functionaries**

S. No.	Name of the Department	Response Time
1.	Delhi Police	11:33am,11:43am, 11:37,11:57
2.	CID ASI	11:37am

3.	Inspector Traffic	11:42am
4.	Delhi Fire Services	--
5.	DHS	03:28 pm
6.	CATS	11:38am, 12:30am
7.	Dispensary Inderlok, wid team	11:33am

### **Response Status of All ESFs**

S. No.	Name of the Department	Equipments/Logistics
1	Delhi Police	Around 06PCR,
2	ACP Traffic	1 Traffic Van
3	Delhi Fire Services	--
4	DHS	Established Medical Post with Team
5	Revenue Department	Sh. Vinood biliff
6	Civil Defence	
7	CATS	01 Ambulance

### **Incident Command Post**

Incident command post was set up at incident site under the surveillance of Sh. Vinod Bilif

### **Short Comings**

1. Non availability of Fire Services and MCD.

## **8. Wazirabad Water Workes Residential Area**

### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

Name of the Hospital	No. of Death	No. of seriously Injured	No. of Minor Injured	Total Affected
Shusrut Trauma Center	3	5	6	14

### **Relief Center**

**Qudesia Ghat** - Minor Injured persons treated at Medical Post set up at relief center.

### **Time log of Emergency Support Functionaries (ESFs)**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Response Time</b>
1	Delhi Police	11:37am
2	Traffic Police	
3	Delhi Fire Services	11:40am
4	Mobile Medical van/Doctors	11"39am
5	CATS	Did not arrive at the spot
6	NDPL	11:58am
7	MCD	Did not reach at the spot

### **Response Status of All ESFs**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Equipments/ Machinery brought at site</b>
1	Delhi Police	2 PCR Vans
2	Delhi Fire Services	1 Fire Tender
3	Mobile Medical van/Doctors	1 medical van
6	CATS	--
7	NDPL	1 van

### **Incident Command Post**

Incident command Post was set up at New Wazirabad water works under the supervision of **SDM Civil lines Sh. Ashish Kumar & Sh. Satbir, Patwari.**

## 9. Malkaganj Residential Area

Peoples are trapped under the debris of fallen buildings at Malka Ganj and some houses were caught fire.

### Casualty status

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

Name of the Hospital	No. of Death	No. of seriously Injured	No. of Minor Injured	Total Affected
Hindu Rao Hospital	4	6	10	20

### Relief Center

Qudesia Ghat - Minor Injured persons treated at Medical Post set up at relief center.

### Time log of Emergency Support Functionaries (ESFs)

S. No.	Name of the Department	Response Time
	Delhi Police	After 30 mins late- 12:01am
1	Delhi Fire Services	11:44am
2	Medical Mobile Ambulance	11:55am
3	CATS	11:43am
4	Delhi Jal Board	
5	MCD	11:55am

### **Response Status of All ESFs**

S. No.	Name of the Department	Equipments/ Machinery brought at site
1	Delhi Police	3PCR Vans
2	Private Vehicles	1 Vans
3	Delhi Fire Services	1 Fire Tender

### **Incident Command Post**

Incident command Post was set up at B Block Malka Ganj under the Supervision of Sh. Ashok Bhasin.

### **10.Tirath Ram Hospital**

**Hospitals were affected by the tremors of earthquake. Due to the earthquake tremor one part of the building damaged.**

### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

Name of the Hospital	No. of Death	No. of seriously Injured	No. of Minor Injured	Total Affected
Aruna Asaf Ali Hospital	01	05	06	12

### **Time log of Emergency Support Functionaries (ESFs)**

S. No.	Name of the Department	Response Time
1	Delhi Police	11:50am, 11:53am
2	Delhi Fire Services	11:40am
4	CATS	---
6	MCD	12:00am



### **Response Status of All ESFs**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Equipments/ Machinery brought at site</b>
1	Delhi Police	2PCR Vans
3	Delhi Fire Services	1 Fire Tender

### **Incident Command Post**

Incident command Post was set up at Tirath ram hospital under the Supervision of Sh. Chandra Shekhar SDM (Election)

### **11.Sant Parmanand Hospital**

Hospitals were affected by the tremors of earthquake. Due to the earthquake tremor one part of the building damaged.

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### **Casualty status**

The status of Dead and Injured Persons as per report of the Hospital, is as under:-

<b>Name of the Hospital</b>	<b>No. of Death</b>	<b>No. of seriously Injured</b>	<b>No. of Minor Injured</b>	<b>Total Affected</b>
Aruna Asaf Ali Hospital	02	02	03	07

### **Time log of Emergency Support Functionaries (ESFs)**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Response Time</b>
1	Delhi Police	11:45am,11:47am, 11:48am,11:50am,
2	Delhi Fire Services	11:45am
4	CATS	---
6	MCD	----

### **Response Status of All ESFs**

<b>S. No.</b>	<b>Name of the Department</b>	<b>Equipments/ Machinery brought at site</b>
1	Delhi Police	4 PCR Vans
3	Delhi Fire Services	1 Fire Tender

### **Incident Command Post**

Incident command Post was set up at Sant Parmanand hospital under the Supervision of Sh. J.S Dabbas Head Clerk (Election)

### **WEAKNESSES**

- Non Availability of emergency communication equipments
- Insufficient sharing of information
- Capacity of NGO's needs to be improved.
- In sufficient rescue resources
- Emergency relief material and goods reserved was insufficient
- Disaster risk reduction capacity of local community needs to be enhanced

## **Observations:**

1. There is a need to strengthen EOC by way of providing more staff, furniture & fixture, work stations, latest design of EOC, more communication lines (landlines as well as mobile phones), latest gadgets etc. The nodal officer of all ESFs must report & sit at EOC at the time of disaster situation for better coordination and control of disaster related activities.
2. There should be a common communication network between all ESFs. Since the District Collector/Deputy Commissioner is the Chairman of DDMA, the district boundaries of Revenue Department is relevant for the purpose of disaster management and therefore, all ESFs should appoint their nodal officers as per the boundaries of revenue districts, to whom the tetra or any other wireless communication system can be provided in the same group/channel. The system of recording of communication/ messages received & given during the operation needs to be improved and standardized. Log book system to be started. The feedback system needs to be institutionalized.
3. For early warning and response system, Emergency siren/alarm at the level of Delhi state & District is immediately required. Further, all public utility buildings, RWAs, Market Trade associations are also required to install the same.
4. The response of Medical/Health services needs to be improved a lot at field level as well as at hospital level. CDMO of the district may be given more authorities & responsibilities in this regard.
5. The health department, at the district level, should have the database/inventory of all private hospitals & nursing homes as well as ambulances and it should be properly communicated with the district authority, PCR, Delhi Police, CATS etc. to ensure better & coordinated health services during disaster and also to avoid undue pressure on govt. hospitals and ambulances beyond the capacity.
6. All ESFs must have assesses the infrastructure capacities of their department during mock drill. All the ESFs more importantly MCD, PWD, Health Department, Fire Department, CATS, PCR etc. is required to immediately increase the infrastructural capacity by way of procuring latest & State-of-art, machineries & equipments.
7. The Gender Resource Centre (GRCs) working in Mission Convergence project are basically NGOs & have worked quit well in mega mock drill during Search & Rescue Operations. The

disaster related work should also be included & specified in the normal duties/responsibilities and scope of work of GRCs by the department of mission convergence.

8. Electric display boards should be placed in every hospital to provide smooth & regular latest information to the attendants & friends of victims, media etc.
9. It is observed that the availability of CATS ambulances was limited in comparison to the requirements & therefore no. of CATS ambulances needs to increase immediately to cope with any kind of big disaster situation.
10. The standard checklist for mock drills & actual disaster situation should be prepared for better coordination and the control of activities, for at least following activities:
  - a) Incident Sites
  - b) Relief Centres
  - c) Hospitals
  - d) Each ESFs
11. There is a great requirement of improvement in the way of handling of casualties at the incident site. PCR, CATS, Fire Department, as well as Civil Defence Volunteers, NGOs, RWAs are required to be given proper training on this issue.
12. The prioritization of the casualties as per their condition & the urgency of medical treatment are to be done at incident site by the search & rescue teams. A proper training module is required on this issue.
13. It is observed that DUSIB could not provide mobile toilet vehicles (MTVs) at relief centers.
14. It is felt that all ESFs should be motivated for maximum participation at the time of disaster.
15. It is observed that finance is an important emergency support function because there are many unforeseen expenditures at time of disasters. At present, Finance Department is not included as ESF at district as well as state level authorities. It is required to include finance department as one of the ESF at district as well as state level.
16. It is observed that the response of civil defence volunteers at incident sites as well as relief centers was not up to the mark. The civil defence organization is required to be strengthen and systematized further.