

District South West

SCENARIO : As at 11.30 Hrs on 15th Feb. 2011

- ▶ An Earthquake of intensity 7.9 on Richter Scale occurred on Delhi-Moradabad Fault line at 11.30 hrs. The epicenter of the earthquake was 275 km East of Delhi, near Moradabad at a depth of approximately 35 km. Tremors lasted for 48 Seconds.
- ▶ Strong tremors were also experienced in the whole of North, North-Western States of India.
- ▶ La Nina effect, the weather is freezing cold and has been raining for the last two days.

MOCK EXERCISE: (With Participation of all the ESFs)

- ▶ Govt. Boys. Sr. Sec. School, Najafgarh
- ▶ Ram Lal Anand College, South Campus
- ▶ Sector-10 Metro Station, Dwarka
- ▶ Indian Oil and RWA Bijwasan
- ▶ Sarvodaya Bal Vidhyalaya, Naraina
- ▶ E-545, E-611, Budhnagar, Inderpuri

MOCK EXERCISE: (With Participation of all the ESFs)

- ▶ Ayushman-Civil Defence
- ▶ Safdarjung Hospital
- ▶ Rao Tula Ram Hospital-Civil Defence
- ▶ DIAL, T-2
- ▶ DLF Promenade Mall and Emporio
- ▶ SR Office
- ▶ A-67, Naraina Industrial Area-Civil Defence
- ▶ All the remaining Schools

RWA, Brijwasan

S. N o.	ESF's/Nodal Officer/Designation	Call Received (Time/From)	Time to Reach the Site	Response time	Ideal Time	Remarks
1	Civil Defence	11:32	11:45			DDW with team
2	BSES	11:35	11:40			Cut the power supply

3	PCR	11:37	11:45			PCR Ambulance
4	P.S. Kapashera	11:32	11:42			SHO with staff
5	PCR	11:37	11:50			Two PCR's with staff
6	Delhi Traffic Police	11:35	11:50			T.I. with two personnel
7	MTNL		12:00			
8	Medical Team	11:58	12:06			Team of 4 people with First Aid Kit
9	Dr. Abhay Kumar (Local Doctor)		12:10			Called by the Villagers
10	DJB	11:35	12:40			One water tanker
11	PCR (Mobile Post)	12:35	12:38			
12	PCR (Bike)	12:35	12:38			Two police personnel
13	DTC	11:35	12:42			One bus with driver & conductor from D.K.Depot, Najafgarh

IOC, Brijwasan

S.No.	ESF's/Nodal Officer/Designation	Call Received (Time/From)	Time to Reach the Site	Response time	Ideal Time	Remarks
1.	Traffic Police		11:34			
2	Medical Team	11:34	11:38			O2 Cylinder, First Aid Kit, BP Apparatus etc.
3	PCR	11:42	11:51			2 Vehicles
4	NDRF	11:46	11:56			Search Equipments, 1 sniffer dog
5	St. John's					First Aid Kit –

	Ambulance					3NOs.
6	BSES		11:35			Tool Kit
7	PCR	11:56	12:10			
8	DJB		12:25			One Water Tanker

Analysis:

- ▶ Well organized, onsite plan was good
- ▶ Lot of foam was wasted, so cost benefit analysis should be done
- ▶ Delhi Police SHO reached late-12.00 hrs
- ▶ St. John ambulance people were not trained
- ▶ Triage system was not followed properly
- ▶ Handling of Casualties wasn't good
- ▶ MCD should respond quickly because in real time scenario debris clearance will be the core factor for response
- ▶ Response from RWA members should be more participative

Ram Lal Anand College:

S. N o.	ESF's/Nodal Officer/Designation	Call Received (Time/From)	Time to Reach the Site	Response time	Ideal Time	Remarks
1	PCR	11.35	11.40			
2	DFS	11:36	12:40			One Fire Tender, 5 Personnel
3	Civil Defence	11:38	11:42			30 Volunteers
4	Delhi Police	11:33	11:45			
5	CATS	11:35	11:42			2 Ambulance
6	DTC	11:50	11:42			1 Bus with Driver & Conductor
7	Delhi Police	11:40	11:45			
8	Medical Team	11:36	11:50			6 members, First- Aid Box
9	DJB	11.45	12.05			5 staff with

						one tanker
10	MCD	11.45	12.00			15 staff, 1 Truck & 1 JCB

Analysis

- ▶ Agencies were not well equipped
- ▶ Lack of coordination among the agencies
- ▶ First Aid team was there but not functional
- ▶ No evacuation plan of the College
- ▶ Lack of PA System
- ▶ No SOP was in place

Sarvodaya Bal Vidhayalaya, Nariana

S. No	ESF's/Nodal Officer/Designation	Call Received (Time/From)	Time to Reach the Site	Response time	Ideal Time	Remarks
1.	Fire	11.34	11.39	05 min		One Fire Tender along with other relevant equipments
2	NDPL	11:39	11:45	6 min		Break down Van + Equipments
3	MTNL	11:39	11:45			
4	PCR (3)	11:45	11:52			Equipped
5	PCR	11:45	11:54			
6	PCR (2)	11:53	11:59			
7	Traffic Police	11:53	11:59			Controlled & managed traffic
8	Medical Team	11:40	11:55			Team of 4, First Aid Kit
9	DJB	11.45	12.05			5 staff with one tanker
10	MCD	11.45	12.00			15 staff, 1 Truck & 1 JCB
11	St. John's Ambulance Brigade	11:40	11:57			First Aid Kit & dressing material

12	PCR	11:45	11:49			
13	Tiger 47	11:57	12:08			
14	CID (Spl Branch)	11:58	12:10			

Analysis:

- ▶ Principal informed 100, 101, 1077
- ▶ Smooth evacuation and Drop Cover and Hold Drill conducted
- ▶ QRT of Medical response was very poor
- ▶ Traffic was not smooth
- ▶ MCD, DJB didn't respond
- ▶ Communication gap among the agencies

Drop, Cover and Hold Exercise were conducted in all schools

E-611, Inderpuri

S. No	ESF's/Nodal Officer/Designation	Call Received (Time/From)	Time to Reach the Site	Response time	Ideal Time	Remarks
1.						Call was made to 1077 at 11:32. The number responded & information recorded
2						Call was made to 100 at 11:37 but no response was received
3						Call was made to 100 at 11:40 but no response was received The number responded & information

						recorded.
4	NDPL	11:41	11:44	3 Min		Supply of power to the effected building stopped
5	Medical Team	11:44	11:53			Provided First-Aid to the injured.
6	Ambulance	11:46	11:59			No response, conveyed the same to 1077 for further co-ordination

Analysis:

- ▶ All the ESF's participated in the exercise.
- ▶ 100 no. didn't respond
- ▶ MCD response was late
- ▶ Response from the residents was very encouraging

Govt. Boys Sr. Sec. School No.1, Najafgarh

S. No	ESF's/Nodal Officer/Designation	Call Received (Time/From)	Time to Reach the Site	Response time	Ideal Time	Remarks
1.	Fire	11.32	11.39	07 min		One Fire Tender along with other relevant equipments
2	BSES	11:46	11:49	3 min		Break down Van + Equipments
3	MTNL	11:39	11:45			
4	Police	11.39	11.41			SHO + 3+ Personnel+ 3

						PCR
5	Civil Defence		11.36			
6	Medical Team	11:40	11:55			
7	DJB	11.45	12.05			5 staff with one tanker
8	MCD	11.40	11.42			

Analysis:

- ▶ All the ESF's participated in the exercise
- ▶ Smooth evacuation and Drop Cover and Hold Drill conducted
- ▶ Fire response was excellent
- ▶ QRT of Medical team was there but not equipped

DLF Prominade and Emporio

In an endeavor to check our preparedness to handle an Earthquake situation happening at the DLF Malls - Vasant Kunj, we conducted a full scale "Mega Earthquake Evacuation Mock Drill" in conjunction with the District Disaster Management Authority (South west) for the Mall today, 15th February 2012 at 11.30 AM.

The following Government agencies extended their support to make this exercise a success:

- a. SHO, Police Station, Vasant Kunj North with strength of 5 police officials and 2 police vehicles.
- b. DO, Delhi Fire Service with a team of 14 Fire Officers and Firemen and 1 Fire tender.
- c. Delhi Disaster Management cell (Civil Defence)– 4 officials.
- d. BSES Team – 3 Officials.
- e. Traffic Police – 4 Officials.
- f. CID Branch – 2 Officers.
- g. Observers from HSBC Bank - 2

The assembly area during the mock exercise was the front porch area of the mall. Brief synopsis of the Mock Earthquake Evacuation Drill is as follows:

- a. Tremors of Mock Earthquake observed at 11.30 AM.
- b. SO on duty informed Sr. Security Manager and Mall Manager at 1130 hrs.

- c. Permission granted by Mall Manager to evacuate the mall at 1131 hrs.
- d. Evacuation of the mall started at 1132 hrs.
- e. Maintenance department informed at 1133 hrs.
- f. Police Station and SHO informed at 1133 hrs and the team arrived at 1139 hrs.
- g. Fire Station Zor Bagh informed by local police station at 1135 hrs and the fire brigade arrived at 1145 hrs.
- h. Delhi Disaster Cell informed at 1115 hrs and the team arrived at 1145 hrs.
- i. Ground floor cleared at 1140 hrs.
- j. 1st Floor cleared at 1139 hrs.
- k. 2nd Floor evacuated at 1136 hrs.
- l. 3rd Floor evacuated at 1138 hrs.
- m. Terrace evacuated at 1134 hrs.
- n. Basements cleared at 1136 hrs.
- o. Complete mall evacuated at 1140 hrs.

A total of 360 Mall employees, guests/visitors were evacuated from the Mall. 3 injured guests were referred to Hospital.

Observations Made:

- a. Hooter/Alarm to go first in case of complete Mall Evacuation.
- b. PA System was not audible at few places in the common area.
- c. Elevators and Escalators were not stopped/shut down at the time of evacuation. The same should be shut down first.

Safderjung Hospital

- ▶ Only 12 DM beds, needs to be strengthened
- ▶ Total 37 Casualties were brought to the hospital
- ▶ Help Desk worked efficiently
- ▶ Coordination between Help Desk and EOC was good
- ▶ CD role was disappointing
- ▶ All the staff is very efficient especially the supporting staff.
- ▶ DDMA staff handled the situation well

Rao Tula Ram Hospital:

- ▶ Exercise was conducted by trained Civil Defence Volunteers

- ▶ 28 Patient including 6 from hospital were treated
- ▶ Help Desk worked efficiently
- ▶ Coordination between Help Desk and EOC was good

Sector-10, Metro Station Dwaraka

- ▶ DMRC official didn't follow their SOP as PCR didn't receive any information
- ▶ Need to install more first Aid kit to cater larger people in case of emergency

A-67,Naraiana Industrial Area

Analysis:

- Exercise was conducted by trained Civil Defence Volunteers using ladders and rope
- ESF's also respond to the site
- MCD reached late
- PCR van refused to take casualties to the designated hospital.

DIAL:

TERMINAL -2 AT DELHI INTERNATIONAL AIRPORT PVT LTD

1130 Hrs : Tremors felt

1130-31 Hrs. : Drop cover whole drill

1133 Hrs. : AOCC & Fire Watch Tower (ARFF) started passing the information's all concerned on available communication facilities.

1135 Hrs : Delhi Police Force arrived from Police Station at T-2 Terminal

1138 Hrs : AOCC informed that all concerned agencies have been informed about the incident.

1141 Hrs. Two Crash Fire Tenders with crew on board arrived and commenced simulated firefighting operation. Mobile Command Post and Medical Truck positioned to create Triage Area

1142 Hrs : Mobile Command Post manned by Incident Commander

: Simulated fire is fully extinguished & rescue path is created safe for rescue.

1143 Hrs : CISF and Airport Medical Team arrived

: ARFF rescuers with the help of CISF, Delhi Police & DIAL RAXA security commenced rescue operation from the building.

1144 Hrs : Triage Area formed and First casualty rescued from the building and brought collection area.

1145 Hrs : Delhi Police PCR Van arrived.

: MrVikramfrom Delhi Special Police reported at site.

: MrVirender&Mr Sanjay from NGO reported at site.

1155 Hrs : All casualties/ personnel rescued from the building and priority wise segregated by Airport Medical Team.

Medical Priority I –03
 Medical Priority II – 02
 Medical Priority III – 10
 Un-injured - 25

1156 Hrts : Survivor Reception Center, Collation Center, Friends & Relative Reception Center& re-union area formed.

1157 Hrs : Two Med Ambulances arrived from Army Hospital R&R with Doctors & Nursing staff on board.

1158 Hrs : Three priority -1medicalcausalities sent to AH R&R hospital with their relatives/friends.

1202 Hrs : Air Side Operation reported that all runways, taxi tracks, terminals building & other major installations inspected & found nil damage & injury.

1204 Hrs : Two Med Ambulances arrived from Indian Spinal Injury Hospital.

1205 Hrs : Two priority -II medical casualties sent to Indian Spinal Injury Hospital with their relatives/friends.

1206 Hrs : DIAL Eng department reported that power supply, water supply & communication facilities are normal now.

1208 Hrs : Medical Priority III cases treatment is completed.

1210 Hrs : All un-injured & Priority III cases sent to their respective place in the coach.

1214 Hrs : One CAT Ambulance arrived from Safdarjung Hospital.

1215 Hrs : Incident commander declared termination of operation.

DEBRIEFED

After the mock drill exercise, at 1300 hrs, a detailed debriefed was carried out under the Chairmanship of Mr Marcel Hungerbuehler COO at Crisis Management Center, Delhi International Airport Pvt Ltd. It was attended by all the HOD of various departments of DIAL & representative of external agencies participated in the exercise held at T-2 terminal. The small observations made by various critics/ observers were discussed with all HODs and briefed about the correction of the same. There was no major observation reported.

Mr Marcel addressed the house and briefed about the importance to conduct such exercise. He thanks for all the support provided by external agencies such as AH R&R hospital, Indian Spinal hospital, Safdarjung hospital, Delhi Police and all others participants. He emphasized that exercise conducted regularly at airport needs more support from external agencies. Further, he directed that involvement of external agencies should be extended. At last, he appreciated the co-operation & co-ordinations among various teams involved at the incident location.