

Conduct of Flood Mock drill

PHASE-I (March first & second week, 2017)

PHASE-II (March last Week & April 1st Week, 2017)

BACKGROUND:

Assam is one of the most flood prone states in India. The state faces acute flooding in the flood plains of the river Brahmaputra and Barak basins and other smaller river sub-basins. An extremely dynamic monsoon regime combined with unique physiographic setting of the basins has been considered as the single most important cause for frequent occurrence of flood in the state. Assam also falls in the highest rainfall intensity zone in the country. Though Assam Disaster Management Manual 2015 has a well laid down procedure for flood management, conduct of flood mock drill will help to identify the existing gaps and bringing role clarity among the responders.

Flood Mock drill will be two days-long preparedness exercise which will be conducted by the Revenue Circles. Initially in the First Phase of the exercise was conducted in the following 10 multi hazard prone Revenue Circles in the month of May- June 2016 viz. Barkhetri (Nalbari district), Bhuragaon (Morigaon district), Naoboicha (Lakhimpur district), Sissiborgaon (Dhemaji district), Garmur-Majuli (Jorhat district), Baghbar (Barpeta district), Sadiya (Tinsukia district), Lakhipur (Goalpara district), Goroimari (Kamrup district) & South Salmara (Dhubri District).

This exercise has been designed to harness the strengths and capabilities of the emergency responders, as they prepare to meet the riverine and flash flood in the revenue circle. The initiative of flood mock drill in the first phase was planned by the Assam State Disaster Management Authority (ASDMA) in collaboration with the DDMA's and Revenue Circles. The exercise has been conducted in association with a number of government agencies including Fire & ES, SDRF, Health & FW Dept., PHE Dept., A.H. & Veterinary, PWD(Roads), Agriculture Dept., Food & Civil Supplies Civil Defence Volunteers Social Welfare, Home Guards and former defence personnel as enlisted with Zilla Sainik Welfare Board.

Now, **the second phase of the mock drill will be conducted in 90 Revenue Circles of 28 districts of Assam in March & April 2017** (details plan is enclosed in Annexure-A).

PROCEDURE TO BE FOLLOWED:

A half a day long training programme of the officials of the line departments on the ***Coordination of response and managing relief operation*** will be conducted on the opening day of the event. The training programme will be followed by a **Table-top exercise**. A major evacuation & relief operation - simulation drill will be conducted on second day. A debriefing session called "Hotwash" will be conducted in the last session of the third day after the drill.

A. Training programme of the EMEx on Coordination of Response and Managing Relief Operation:

This training will focus on the effective Inter-agency communication/existing Guidelines and norms on disaster management/protocol on flood response, coordination within agencies and

communication with the media during any flood. Current global trends in communication technology will also be discussed.

B. Table Top Exercise:

On the second half of the day concerned government officials like Health officials, Police Officials and Circle Officers, SDRF, NDRF(if positioned in the district), Fire and Police officials etc. will practice the simulated scenarios to identify roadblocks in communication and execution of flood response. Focus will be on the drill scheduled for the following day.

C. Field drill:

Field drill will be conducted as per the SOP which was followed and practiced in the first phase.

- In one of the flood prone villages of the Revenue Circle 50-100 people will be evacuated as a part of the field drill.
- A FLEWS (Flood Early Warning System) alert will be disseminated to the Circle Officer. On receipt of the alert, he/she will act as per SOP given in the Assam DM Manual.
- A Safe Shelter place /Relief Camp area will be set up in nearby available place.
- Every single vulnerable person will be evacuated by VDP to shelter place and will be monitored by local evaluators.
- Relief Camp will be declared by the Revenue Circle Officer and the Camp I/C will maintain records of relief camp inmates and relief material distributed.
- Medical team will be placed in relief camp.
- Social Welfare Dept. /Anganwadi workers, ASHA worker/PHE/ WR Dept./ A.H. & Vety. Dept. will also response and provide services in the relief camps.
- A final report will be prepared under the supervision of DDMA to examine areas of strength and improvement.

Following the drill a debriefing session called “Hot Wash” will be conducted .In this session, all participants will self-scrutinize & work on their respective areas for improvement.

DELIVERABLES OF FLOOD MOCK DRILL:

This multi-disciplinary training and exercise will foster the development of skill sets focused on flood management system of the Revenue Circle.

Besides, it also provides an opportunity for various agencies to work together and practice a multi-disciplinary, coordinated response to a flood situation in the Revenue Circle. Finally, the exercise will help in identifying the strengths and weaknesses of the Revenue Circle’s emergency management plans and help in future preparedness.

MODALITIES:

- District Project Officer, DDMA posted in the concerned districts will conduct initial meetings with the concerned Revenue Circle officers and line department officials. He will also assist in finalizing venues for the training/table top and field drill.
- DPO will assist CO concerned to invite participants, identify places i.e. Relief Camp for the field drill.
- DPO will assist in selecting 30 volunteers for the field drill and brief them accordingly.
- ASDMA will depute a nodal officer from nearby District HQ to help & attend the programme on scheduled dates.

- ASDMA will place the fund and guidelines to the DDMA concerned & DDMA will release the fund to concerned Revenue Circle Officer for conduct of the drill.

PROPOSED SCHEDULE (MARCH-APRIL 2017):

SL. NO	DISTRICT	R.C. NO	NAME OF THE REVENUE CIRCLES	OFFICIALS FOR THE DRILL
SCHEDULE-I (March first & second week, 2017)				
1	Barpeta	06	Barpeta, Kalgachia, Baghbar* , Chenga, Sarthebari, Barnagar	DPO (Barpeta) & DPO (Baksa)
2	Charaideo	03	Sonari, Sapekhati, Mahmara	DPO (Sivasagar) & DPO (Jorhat)
3	Dhubri	06	Golakganj, Agomani, Dhubri, Bilasipara, Chapar, Athani-Bogribari	DPO (Dhubri)
4	Bongaigaon	03	Srijangram, Bijni, Boitamari	DPO (Bongaigaon) & DPO (Goalpara)
5	Cachar	02	Udharbond, Katigorah	DPO (Cachar) & DPO (Hailakandi)
6	Biswanath	03	Gohpur, Helam, Biswanath	DPO (Sonitpur) & DPO (Darrang)
7	Dhemaji	04	Dhemaji, Jonai, Gogamukh, Sissiborgaon*	DPO (Dhemaji) & DPO (Lakhimpur)
8	Dibrugarh	05	Chabua, Dibrugarh West, Tengakhat, Naharkatia, Moran	DPO (Dibrugarh) & DPO (Tinsukia)
9	Golaghat	04	Khumtai, Bokakhat, Golaghat, Dergaon	DPO (Golaghat) & DPO (Jorhat)
10	Kamrup	04	Hajo, Palashbari, Nagarbera, Goroimari*	DPO (Kamrup) & DPO, (Kamrup-Metro)
11	Jorhat	03	Teok, Jorhat West, Jorhat East	DPO (Jorhat) & DPO (Golaghat)
12	Hojai	01	Hojai	DPO (Nagaon)
13	Nagaon	03	Kaliabor, Samaguri, Dhing	DPO (Nagaon)
14	Chirang	02	Sidli, Bijni	DPO (Chirang) & DPO (Goalpara)
SCHEDULE-II (March last Week & April 1st Week, 2017)				
15	Darrang	03	Mangaldai, Sipajhar, Dalgaon	
16	Goalpara	03	Lakhimpur* , Matia, Balijana	DPO (Goalpara) & DPO (
17	Hailakandi	02	Lala, Katlichera	DPO (Hailakandi)
18	Karimganj	03	Patharkandi, R.K. Nagar, Nilambazar	DPO (Karimganj) & DPO (Cachar)
19	Kokrajhar	03	Kokrajhar, Gossaigaon, Bogribari	DPO (Kokrajhar) & DPO (Dhubri)
20	Lakhimpur	06	Nowboicha* , Subansiri, North Lakhimpur, Bihpuria, Narayanpur, Dhakuakhana	DPO (Lakhimpur) & DPO (Dhemaji)
21	Morigaon	04	Mayong, Laharighat, Bhuragaon* , Morigaon	DPO (Morigaon) & DPO (Kamrup-M)
22	Nalbari	01	Barkhetri*	DPO (Nalbari)
23	Sivsagar	03	Nazira, Sivsagar, Demow	DPO (Sivasagar) & DPO

				(Dibrugarh)
24	Sonitpur	04	Tezpur, Dhekiajuli, Thelamara, Naduar	DPO (Sonitpur) & DPO (Darrang)
25	Majuli	01	Majuli*	DPO (Jorhat)
26	Tinsukia	04	Tinsukia, Doomdooma, Margherita, Sadiya*	DPO (Tinsukia) & DPO (Dibrugarh)
27	South Salmara	02	South Salmara*, Mancachar	DPO (Dhubri) & DPO (Goalpara)
28	Kamrup (M)	02	Chandrapur, Sonapur	DPO (Kamrup-M)
TOTAL		90 Revenue Circles.		

SOP FOR FLOOD MOCK DRILL

SEQUENCE OF EVENTS OF THE FLOOD MOCK DRILL:

TIME TABLE	EVENTS
10:00 AM	RCO will inform the Gaonburah(GB) about the incident (Breach in the river embankment)
10:05 AM	Gaonburah will mobilize the runner with megaphone to make the announcement of the probable flood
10:10 AM	Gaonburah will mobilize VDP for any help required to evacuate people
10:15 AM	VDP will start evacuation of the effected people (30 volunteers) & take them to high ground (near 1 st Relief Camp site, which is pre-identified high ground)
10:20 AM	VDP inform GB that 2-3 people are marooned in the affected area. Need the help of SDRF to rescue them. GB informed RCO for requisition of SDRF
10:25 AM	RCO will contact SR. Station office, F&ES for deployment of 1 team of SDRF with IRB boat
10:30 AM	As directed by RCO, 1). PWD (B) will set up temporary relief shelter with tarpaulin in pre-identified high ground. 2). PHE will arrange for safe drinking water & sanitation facilities in the relief camp.
10:35 AM	SDRF Reach to the Spot to rescue the 2-3 marooned people with IRB boat
10:45 AM	2 nd Relief Camp at pre- designated School will be made operational
10:50 AM	Camp In-charge (Head Teacher of School) will be take over the relief camp
10:55 AM	SDRF will take the rescued people to the school camp
11:00 AM	Camp in-charge will start registering the inmates & inform RCO and the send requisition for GR materials
11:15 AM	Asha, Anganwadi Worker & Medical team will arrive at Relief camp as per instruction of RCO and extend their support. Asha & Anganwadi works will take care of the lactating mother & children. Medical team will start medical help for the affected people in the Relief Camp
11:30 AM	By this time AH & Veterinary Dept. people will start preliminary stock of the livestock & setup livestock camp
11:40 AM	SDRF will patrol the village to ensure if anybody is marooned & submit a report to RCO
11:45 AM	RCO will visit and ensure the smooth functioning of both relief camps
11:50 AM	RCO will send the final report to CEO, DDMA/DEOC for onward reporting

TENTATIVE AGENDA OF FLOOD MOCK DRILL

DAY	TIME	PROGRAMME	FACILITATORS
DAY - I	9.30 AM	Registration	SK & SA of Revenue Circle
	10.00AM – 10.15AM	Well Come Address	Circle Officer
	10.15AM – 10.45 AM	Inaugural Speech	DC/CEO, DDMA
	10.45AM – 11.00AM	Tea Break	
	11.00AM – 1.30PM	Training Session: Topic: Co-Ordination of Response & Managing Relief Operation	Officer, ASDMA/ DPO, DDMA
	1.30PM – 2.00PM	Lunch Break	
	2.00PM – 4.30PM	Table Top Exercise	Officer, ASDMA/ DPO, DDMA
DAY – II	9.00AM – 12.00NOON	Field Drill at selected village	To holed by Circle Officer Barkhetri
	1.30PM – 3.00PM	Hot wash & Valedictions	Observers
	3.00PM – 3.15PM	Vote of Thanks	Circle Officer/BDO

Responsibility of Circle Officer as per DM Manual:

- Circle Officers of the concerned Revenue Circle on receipt the information from field or FLEWS will immediately mobilize Lot Mondals, Gaon Burah, SDRF and other agencies & resources available under his jurisdiction without waiting for order from Deputy Commissioner or SDO(Civil) to initiate the action.
- Further, in case of probability of high intensity flood, Circle Officer will also take action for evacuation of people from the vulnerable reaches to pre-identified safe locations & preposition Men & Resources (SDRF/NDRF/Police Force / Sand bags/ Boats / Tarpaulin etc.) available under his jurisdiction as per the map and location specified by NESAC in its flood warning.
- Circle Officer will initiate his response on receipt of Flood Warning without waiting for order from Deputy Commissioner/SDO (Civil).
- Circle Officer will lead the rescue and evacuations operation as per Disaster Management Plan.
- Circle Officer will keep DC/SDO (Civil) informed on hourly basis about the situation on the ground level and may request for additional resources of men, material & machines if required from DC or SDO (Civil).
- Circle officer will also inform BDO, so that BDO can inform PRI representatives for appropriate action.
- Circle officer may also inform GP Secretary and GP President for appropriate action.
- Lot Manadal & Gaon Burah will go to the specific location immediately & inform the villagers on the probability of any flood event and ask them to take necessary precautionary measures.

TOTAL MAJOR FLOOD AFFECTED REVENUE CIRCLES OF 2016 (MORE THAN 10 VILLAGES):

Sl. No.	District	No.	Name of the Revenue Circles
1	Barpeta	06	Barpeta, Kalgachia, Baghbar* , Chenga, Sarthebari, Barnagar
2	Biswanath	03	Gohpur, Helam, Biswanath
3	Bongaigaon	03	Srijangram, Bijni, Boitamari
4	Cachar	02	Udharbond, Katigora
5	Charaideo	03	Sonari, Sapekhati, Mahmara
6	Chirang	02	Sidli, Bijni
7	Darrang	03	Mangaldai, Sipajhar, Dalgaon
8	Dhemaji	04	Dhemaji, Jonai, Gogamukh, Sissiborgaon*
9	Dhubri	06	Golakganj, Agomani, Dhubri, Bilasipara, Chapar, Athani-Bogribari
10	Dibrugarh	05	Chabua, Dibrugarh West, Tengakhat, Naharkatia, Moran
11	Goalpara	03	Lakhipur* , Matia, Balijana
12	Golaghat	04	Khumtai, Bokakhat, Golaghat, Dergaon
13	Hailakandi	02	Lala, Katlichera
14	Hojai	01	Hojai
15	Jorhat	03	Teok, Jorhat West, Jorhat East
16	Kamrup	04	Hajo, Palashbari, Nagarbera, Goroimari*
17	Kamrup (M)	02	Chandrapur, Sonapur
18	Karimganj	03	Patharkandi, R.K. Nagar, Nilambazar
19	Kokrajhar	03	Kokrajhar, Gossaigaon, Bogribari
20	Lakhimpur	06	Nowboicha* , Subansiri, North Lakhimpur, Bihpuria, Narayanpur, Dhakuakhana
21	Morigaon	04	Mayong, Laharighat, Bhuragaon* , Morigaon
22	Nagaon	03	Kaliabor, Samaguri, Dhing
23	Nalbari	01	Barkhetri*
24	Sivsagar	03	Nazira, Sivsagar, Demow
25	Sonitpur	04	Tezpur, Dhekiajuli, Thelamara, Naduar
26	Majuli	01	Majuli*
27	Tinsukia	04	Tinsukia, Doomdooma, Margherita, Sadiya*
28	South Salmara	02	South Salmara* , Mancachar
	TOTAL	90	

* Flood Mock drill conducted in these Revenue Circle in June- 2016