

## **Concept note on Online Hospital Emergency Management Information System:**

India has been traditionally vulnerable to natural disasters on account of its unique geo-climatic conditions. Floods, droughts, cyclones, earthquakes and landslides are regular phenomena. India also witnessed a hitherto new natural calamity in the form of Indian Ocean Tsunami in 2004. Last few decades have witnessed an increased frequency in disasters causing tremendous human casualties, in terms of loss of life and disability in addition to huge economic losses. Although these may not be totally preventable but their impact can be minimized by effective planning. Equally important are the “peripheral emergencies” like road, rail and air accidents, fire, drowning and stampedes in mass gathering, industrial accidents, explosions and terrorist attacks that have an inherent potential to convert into a mass casualty incident (MCI). The loss of life and disability are compounded by the lack of adequate medical preparedness both qualitatively and quantitatively across the country.

During times of disaster, hospitals play an integral role within the health-care system by providing essential medical care to their communities. Any incident that causes loss of infrastructure or patient surge, such as a natural disaster, terrorist act, or chemical, biological, radiological, nuclear, or explosive hazard, often requires a multijurisdictional and multifunctional response and recovery effort, which must include the provision of health care. Without appropriate emergency planning, local health systems can easily become overwhelmed in attempting to provide care during a critical event. Limited resources, a surge in demand for medical services, and the disruption of communication and supply lines create a significant barrier to the provision of health care. To enhance the readiness of health facilities to cope with the challenges of a disaster, hospitals need to be prepared to initiate fundamental priority action.

Therefore, Assam State Disaster Management Authority is proposing to develop an “Online Management Information System (MIS) on Hospital Preparedness for Emergency Management” to update the necessary important information on Govt. & Private Hospitals of Guwahati City.

The Hospital Emergency Management Information System will provide two types of information viz. static information and dynamic information. The static information are the basic information’s which will be based on below mentioned Hospital emergency response checklist. On the other hand, the dynamic information will be based on parameters viz. availability of beds, blood bank information, name of the resident doctor, specialist, availability of Ambulance, Medical gas etc. updated daily by 18:00 hrs. by the hospital administration.

The detailed Scope of the Work of the MIS - Hospital Emergency Management System are listed below:

### **Hospital emergency response checklist:-**

#### **Key component 1: Profile of Hospital (Fill up the details on below blocks):**

<b>1. Name of the Hospital:-</b>	
<b>2. Address/Location :-</b>	
<b>3. Contact Details:-</b>	
<b>4. Official Email-id:-</b>	
<b>5. Name of the Superintendent :-</b>	<i>Name:</i>
	<i>Designation:</i>

	<i>Contact Details:</i>
	<i>Email-id:</i>
<b>6.Name of the Hospital Administrator:-</b>	<i>Name:</i>
	<i>Designation:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
<b>7. Location of Hospital Command Centre:</b>	
<b>8. Details of individual (focal point) to ensure the appropriate management and coordination of related response activities.</b>	<i>1. Name:</i>
	<i>Designation:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
	<i>2. Name:</i>
	<i>Designation:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
<b>9. Name of public information spokesperson to coordinate hospital communication with the public, the media and health authorities.</b>	<i>Name:</i>
	<i>Designation:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
<b>10. Name of the experienced triage officers to oversee all triage operations (e.g. a trauma or emergency physician or a well-trained emergency nurse in a supervisory position).</b>	<i>1. Name:</i>
	<i>Designation:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
	<i>2. Name:</i>
	<i>Designation:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
<b>11. Location of the contingency site for receipt and triage of mass-casualties.</b>	
<b>12. Total capacity for patient admission</b>	<i>1. Number of Normal beds:-</i> <i>2. Number of Beds for Emergency Care :</i>
<b>13. Detailed Location of</b>	

Designate care areas for patient overflow (e.g. auditorium, lobby).																	
14. Detailed availability of vehicles and resources required for patient transportation.	<p>1. Types of Vehicle:- Registration no.:- Medical Facility inside the Vehicle:-</p> <p>2. Types of Vehicle:- Registration no.:- Medical Facility inside the Vehicle:-</p> <p>3. Types of Vehicle:- Registration no.:- Medical Facility inside the Vehicle:-</p>																
15. Please upload the systematic and deployable evacuation plan that seeks to safeguard the continuity of critical care	Please upload the Plan.																
16. Upload the hospital staff contact list.	Please upload the Contact Detail Database.																
17. Enter Updated inventory of all equipment, supplies and pharmaceuticals; establish a shortage-alert mechanism. Upload the same.	<table border="1"> <thead> <tr> <th>Name of the Item</th> <th>Quantity</th> <th>Available Location</th> <th>Updated on</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name of the Item	Quantity	Available Location	Updated on	1.				2.				3.			
	Name of the Item	Quantity	Available Location	Updated on													
	1.																
	2.																
3.																	
18. Details of Security System																	
19. Details of Parking System.																	
20. Morgue																	

**Key component 2: Profile of Specialist of the Hospital (Fill up the details on below blocks):**

Name of the Doctors/Specialist (ENT/Ortho, Anaesthetists/Gen. Surgeon/Paediatrics etc.)	1. Name:
	Designation:
	Specialize Area:
	Contact Details:
	Email-id:
	2. Name:

	<i>Designation:</i>
	<i>Specialize Area:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
	<i>3. Name:</i>
	<i>Designation:</i>
	<i>Specialize Area:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
	<i>4. Name:</i>
	<i>Designation:</i>
	<i>Specialize Area:</i>
	<i>Contact Details:</i>
	<i>Email-id:</i>
	<b>Add More -&gt;</b>
<b>Name of the Nursing Staff</b>	<i>1. Name:</i>
	<i>Contact No.:-</i>
	<i>2. Name:</i>
	<i>Contact No.:-</i>
	<i>3. Name:</i>
	<i>Contact No.:-</i>
	<i>4. Name:</i>
	<i>Contact No.:-</i>
<b>Details of Paramedics and Nurses trained in Emergency Health Management System</b>	<i>1. Name:</i>
	<i>Contact No.:</i>
	<i>2. Name:</i>
	<i>Contact No:</i>
	<i>3. Name:</i>
	<i>Contact No:</i>
<b>Contact Details of Administrator of Blood Bank</b>	<i>1. Name:</i>
	<i>Contact No.:</i>
	<i>2. Name:</i>
	<i>Contact No.:</i>
<b>Pathology Lab-speciality</b>	
<b>Contact details of Laboratory</b>	ECG:
	Ultra sound:
	MRI:
	MRCP:
	XRAY
	<b>Add more -&gt;</b>
<b>Contact details of DG Set Operator</b>	Name:
	Address with contact no:

