

# Report

## Capacity Building Training Program On

### Management of Public Health Emergencies for District Health Officers

**Name of the Partner Training Institute: AIIMS Patna**

**Participating States/Organization: Bihar, Jharkhand, Madhya Pradesh & Sikkim**

**Duration of training: 21<sup>st</sup>-26<sup>th</sup> April, 2025**

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## **1. BACKGROUND :**

The Disaster Management Act, 2005 (DM Act, 2005) mandates all districts to develop their district disaster management plan taking into account the Hazard Vulnerability Capacity and Risk Assessment (HVCRA), prevention, mitigation, preparedness measures, response plan, and procedures. Further, National Policy on Disaster Management (2009) and NDMA's National Disaster Management Plan, 2019 identifies specific roles and responsibilities at National, State and local levels in context of various types of hazards. As per these policy documents and other NDMA guidelines, Union Ministry of Health as well as Health Departments at State and District level have been identified as lead agencies for biological emergencies, with supportive role to be played for other types of hazards that may have public health implications.

In view of the above, Union Ministry of Health and Family Welfare under its Central Sector Scheme "Health Sector Disaster Preparedness Programme" has initiated a Pan-India capacity building programme on "Management of Public Health Emergencies for District Health Officers" through a network of partner training institutions. The said capacity building initiatives intends to develop knowledge, skills and capacities of District level health officials for improving preparedness and response to manage public health emergencies and health impacts of disasters, so that they are able to manage and improve services in their districts. The said initiative also aims to train district level health functionaries to develop health sector disaster management plans, to contribute to overall disaster management planning of the district by guiding and implementing effective public health response and mitigation strategies in preparedness for and in response to disasters and other health emergencies, thus contributing to disaster resilience and responsiveness. The training modules for imparting these trainings has been prepared by this Ministry in collaboration with eminent institutions including All India Institute of Medical Sciences (AIIMS), New Delhi; Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh; All India Institute of Hygiene & Public Health (AIIPH), Kolkata; National Institute of Mental Health and Neurosciences (NIMHANS), Bengaluru; AIIMS, Bhopal; NDMA, NDRF and other partner training institutions inculcating learning from COVID-19 pandemic management.

## **2. TRAINING OBJECTIVE :**

- Preparedness of the district health sector during the pre –disaster period for effective response and mitigation during a disaster.
- Enhancement of effective response of the district health sector during any disaster situation.
- Analysis of the gaps in the existing district healthcare system towards disaster resilience.
- Understanding important aspects of disaster management and facilitating the development of the district health sector disaster plan.

### 3. RESOURCE PERSONS' PROFILE:

#	Name	Designation	Session title
1	Dr. Binod Kr. Pati	Addl. Prof.	<ul style="list-style-type: none"> <li>• Laboratory support during disasters</li> </ul>
2	Dr. Pankaj Kumar	Addl. Prof.	<ul style="list-style-type: none"> <li>• Management of psychological issues</li> </ul>
3	Dr. Sujeet Kumar Sinha	Assoc. Prof.	<ul style="list-style-type: none"> <li>• Basic concepts in disaster management</li> <li>• Legal, policy and institutional framework</li> <li>• Non-pharmaceutical interventions</li> <li>• Emergency Medical Services</li> </ul>
4	Dr. Santosh Kr. Nirala	Assoc. Prof.	<ul style="list-style-type: none"> <li>• Outbreak Investigation</li> <li>• Exercise: Outbreak Investigation</li> <li>• IDSP/IHIP</li> <li>• Environmental health - WASH, IPC, Vector control</li> <li>• Nutrition in emergencies</li> </ul>
5	Dr. Divendu Bhusan	Assoc. Prof.	<ul style="list-style-type: none"> <li>• Mass casualty management</li> <li>• Exercise: Mass casualty management</li> </ul>
6	Dr. Anurag Kumar	Assoc. Prof.	<ul style="list-style-type: none"> <li>• Pre-hospital and onsite health care facility</li> <li>• National Emergency Medical Team (NEMT)</li> </ul>
7	Dr. Ramkrishna Mondal	Asst. Prof.	<ul style="list-style-type: none"> <li>• Health emergency risk assessment</li> <li>• Rapid health risk assessment</li> <li>• Exercise: Rapid health assessment</li> <li>• Health Emergency Operation Centres (HEOC)</li> <li>• Surge capacity and its planning</li> <li>• Logistic and supply chain management</li> <li>• Planning for Mock Exercises</li> </ul>
8	Dr. Mahendra M	Asst. Prof.	<ul style="list-style-type: none"> <li>• Basics of epidemiology</li> <li>• Public Health Surveillance</li> <li>• Risk Communication</li> <li>• Surveillance during disasters</li> <li>• Exercise: Setting up surveillance system in disaster settings</li> <li>• Fatality management</li> <li>• Health system recovery</li> <li>• Key elements of district health sector disaster plan</li> <li>• Exercise: District health sector disaster plan</li> </ul>
9	Dr. Ramya Jyothi Yelisetty	Asst. Prof.	<ul style="list-style-type: none"> <li>• Incident response system</li> <li>• Public health risks of mass gatherings and its management</li> <li>• Public health and medical care in relief camps</li> </ul>
10	Dr. Biraj Chandra Paul	Asst. Prof.	<ul style="list-style-type: none"> <li>• Health emergency work force</li> <li>• Hospital preparedness and response during disaster</li> <li>• Information management</li> <li>• Continuity of essential Health Services</li> <li>• Exercise: Continuity of essential Health Services</li> </ul>
11	Dr. Anuvarshini R	Senior Resident	<ul style="list-style-type: none"> <li>• Climate change and health</li> </ul>

12	Dr. Venkatesh Karthikeyan	Senior Resident	<ul style="list-style-type: none"> <li>• One health approach</li> </ul>
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#### 4. VENUE AND DATE:

Conference Room, Research Division, Admin Building, AIIMS Patna; from 21<sup>st</sup>-26<sup>th</sup> April 2025.

#### 5. TRAINING SESSIONS:

Topic
Basic concepts in disaster management
Health emergency risk assessment
Legal, policy and institutional framework
Basics of epidemiology
One health approach
Public Health Surveillance
Surveillance during disasters
Laboratory support during disasters
Exercise: Setting up surveillance system in disaster settings
Outbreak Investigation
Exercise: Outbreak Investigation
Non-pharmaceutical interventions
Incident response system
Rapid health risk assessment
Exercise: Rapid health assessment
Nutrition in emergencies
Public health and medical care in relief camps
Environmental health - WASH, IPC, Vector control
Climate change and health
Emergency Medical Services
Health emergency work force
Mass casualty management
Exercise: Mass casualty management
Pre-hospital and onsite health care facility
Hospital preparedness and response during disaster
Surge capacity and its planning
Fatality management
National Emergency Medical Team (NEMT)
Information management
Health Emergency Operation Centres (HEOC)
IDSP/IHIP
Risk Communication
Management of psychological issues
Continuity of essential Health Services
Exercise: Continuity of essential Health Services
Logistic and supply chain management
Public health risks of mass gatherings and its management
Health system recovery

Visit to NDRF with CBRN and Mock drills
Key elements of district health sector disaster plan
Exercise: District health sector disaster plan

### **i. Theoretical sessions:**

- Basic concepts in disaster management
- Health emergency risk assessment
- Legal, policy and institutional framework
- Basics of epidemiology
- One health approach
- Public Health Surveillance
- Surveillance during disasters
- Laboratory support during disasters
- Outbreak Investigation
- Non-pharmaceutical interventions
- Incident response system
- Rapid health risk assessment
- Nutrition in emergencies
- Public health and medical care in relief camps
- Environmental health - WASH, IPC, Vector control
- Climate change and health
- Emergency Medical Services
- Health emergency work force
- Mass casualty management
- Pre-hospital and onsite health care facility
- Hospital preparedness and response during disaster
- Surge capacity and its planning
- Fatality management
- National Emergency Medical Team (NEMT)
- Information management
- Health Emergency Operation Centres (HEOC)
- IDSP/IHIP
- Risk Communication
- Management of psychological issues
- Continuity of essential Health Services
- Logistic and supply chain management
- Public health risks of mass gatherings and its management
- Health system recovery
- Key elements of district health sector disaster plan
- Planning for Mock Exercises

### **ii. Exercises**

- Exercise: Setting up surveillance system in disaster settings
- Exercise: Outbreak Investigation
- Exercise: Rapid health assessment

- Exercise: Mass casualty management
- Exercise: Continuity of essential Health Services
- Exercise: District health sector disaster plan

### **iii. Field visit**

- Visit to NDRF with CBRN and Mock drills

### **iv. Hands on exercise:**

- Presentation of the Group Work
- Presentation by Groups
- Group Presentation

## **6. TRAINEE PROFILE :**

Annex I (Attached)

## **7. TRAINING EVALUATION:**

### **A) Pre-Training Assessment of the Participants:**

Name	Category	State	District	Pre test score
Anshul Mishra	Doctor	Madhya Pradesh	Indore	18
Rajendra Kumar	Doctor	Bihar	Kishanganj	16
Amrita Cintury	Nurse	Sikkim	Gangtok	16
Pawan Kumar Srivastava	Other	Jharkhand	Bokaro	14
Kiran Baghwar	Other	Jharkhand	Simdega	14
Dupjor Lepcha	Doctor	Sikkim	Mangan	28
Hemanta Manger	Nurse	Sikkim	Soreng	13
Sudip Kumar Kisku	Other	Jharkhand	Dumka	16
PRAMOD KUMAR DIWAN	Doctor	Madhya Pradesh	Vidisha	18
Varsha Kureel	Doctor	Madhya Pradesh	Ratlam	16
Bherulal Sisodia	Other	Madhya Pradesh	Neemuch	15
Swatantra Patel	Doctor	Madhya Pradesh	Sidhi	17
Arbind Kumar Singh	Doctor	Bihar	Saran	17
Manoj Kaurav	Doctor	Madhya Pradesh	Sheopur	16
Avinash Sinha	Doctor	Bihar	Sitamarhi	17
Tirtharaj Dhamala	Doctor	Sikkim	Pakyong	15
Mokarram Ali	Doctor	Bihar	Arwal	8

Ravi Ranjan Kumar Raman	Doctor	Bihar	Purnia	10
Sanjeev Kumar	Doctor	Bihar	Pashchim Champaran	13
Vijay Kumar	Doctor	Bihar	Supaul	13
Eden Bhutia	Doctor	Sikkim	Pakyong	18
VIKRAM KUMAR	Doctor	Bihar	Saharsa	13
Parwin Kumar	Doctor	Bihar	Begusarai	8
Om Prakash Mandal	Doctor	Bihar	Araria	10
Urgen Sherpa	Doctor	Sikkim	Namchi	17
Bibek Pradhan	Doctor	Sikkim	Soreng	15
Pema Yangchen Bhutia	Nurse	Sikkim	Gangtok	13
RASHTRENDRA KUMAR KHADYOT	Doctor	Madhya Pradesh	Neemuch	14
SANDEEP KUMAR GUPTA	Doctor	Bihar	Madhubani	16
Shivendra Kumar Patel	Doctor	Madhya Pradesh	Sidhi	18
MOHD. SHOEB KHAN	Doctor	Madhya Pradesh	Vidisha	18
Sunita Parmar	Doctor	Madhya Pradesh	Shajapur	16
Pradeep Gedam	Doctor	Madhya Pradesh	Balaghat	10
Ashok Kumar Ram	Doctor	Bihar	Purbi Champaran	10
Sonam Doma Lepcha	Nurse	Sikkim	Mangan	12
Srijana Pradhan	Nurse	Sikkim	Gangtok	14
Nim Narboo Bhutia	Doctor	Sikkim	Gyalshing	13
Nagbhushan Prasad	Doctor	Jharkhand	Gumla	19
Ashish Kumar	Other	Jharkhand	West Singhbhum	16
RAJIVA Bhushan	Doctor	Jharkhand	Ranchi	19
Manish Kumar	Doctor	Bihar	Sheohar	14
Rashmi Kaushal	Doctor	Madhya Pradesh	East Nimar	17
BHUPESH CHANDRA MAHATO	Other	Jharkhand	Saraikela Kharsawan	14
Namgay Bhutia	Doctor	Sikkim	Soreng	13
AZMAT AZEEM	Other	Jharkhand	West Singhbhum	12
Sandeep Rai	Doctor	Sikkim	Namchi	14
M. Sarfuddin Ahmad	Doctor	Bihar	Siwan	16

**B) Post-Training Assessment of the Participants:**

Name	Category	State	District	Post test score
Anshul Mishra	Doctor	Madhya Pradesh	Indore	18
Rajendra Kumar	Doctor	Bihar	Kishanganj	20
Amrita Cintury	Nurse	Sikkim	Gangtok	20
Pawan Kumar Srivastava	Other	Jharkhand	Bokaro	18
Kiran Baghwar	Other	Jharkhand	Simdega	17
Dupjor Lepcha	Doctor	Sikkim	Mangan	20
Hemanta Manger	Nurse	Sikkim	Soreng	20
Sudip Kumar Kisku	Other	Jharkhand	Dumka	18
PRAMOD KUMAR DIWAN	Doctor	Madhya Pradesh	Vidisha	19
Varsha Kureel	Doctor	Madhya Pradesh	Ratlam	20
Bherulal Sisodia	Other	Madhya Pradesh	Neemuch	16
Swatantra Patel	Doctor	Madhya Pradesh	Sidhi	20
Arbind Kumar Singh	Doctor	Bihar	Saran	18
Manoj Kaurav	Doctor	Madhya Pradesh	Sheopur	16
Avinash Sinha	Doctor	Bihar	Sitamarhi	18
Tirtharaj Dhamala	Doctor	Sikkim	Pakyong	15
Mokarram Ali	Doctor	Bihar	Arwal	15
Ravi Ranjan Kumar Raman	Doctor	Bihar	Purnia	18
Sanjeev Kumar	Doctor	Bihar	Pashchim Champaran	18
Vijay Kumar	Doctor	Bihar	Supaul	19
Eden Bhutia	Doctor	Sikkim	Pakyong	19
VIKRAM KUMAR	Doctor	Bihar	Saharsa	20
Parwin Kumar	Doctor	Bihar	Begusarai	14
Om Prakash Mandal	Doctor	Bihar	Araria	13
Urgen Sherpa	Doctor	Sikkim	Namchi	20
Bibek Pradhan	Doctor	Sikkim	Soreng	15
Pema Yangchen Bhutia	Nurse	Sikkim	Gangtok	19
RASHTRENDRA KUMAR KHADYOT	Doctor	Madhya Pradesh	Neemuch	17
SANDEEP KUMAR GUPTA	Doctor	Bihar	Madhubani	18
Shivendra Kumar Patel	Doctor	Madhya Pradesh	Sidhi	19
MOHD. SHOEB KHAN	Doctor	Madhya Pradesh	Vidisha	19
Sunita Parmar	Doctor	Madhya Pradesh	Shajapur	18
Pradeep Gedam	Doctor	Madhya Pradesh	Balaghat	20
Ashok Kumar Ram	Doctor	Bihar	Purbi Champaran	18
Sonam Doma Lepcha	Nurse	Sikkim	Mangan	17
Srijana Pradhan	Nurse	Sikkim	Gangtok	20
Nim Narboo Bhutia	Doctor	Sikkim	Gyalshing	14

Nagbhushan Prasad	Doctor	Jharkhand	Gumla	20
Ashish Kumar	Other	Jharkhand	West Singhbhum	18
RAJIVA Bhushan	Doctor	Jharkhand	Ranchi	20
Manish Kumar	Doctor	Bihar	Sheohar	18
Rashmi Kaushal	Doctor	Madhya Pradesh	East Nimar	17
BHUPESH CHANDRA MAHATO	Other	Jharkhand	Saraikela Kharsawan	20
Namgay Bhutia	Doctor	Sikkim	Soreng	18
AZMAT AZEEM	Other	Jharkhand	West Singhbhum	17
Sandeep Rai	Doctor	Sikkim	Namchi	15
M. Sarfuddin Ahmad	Doctor	Bihar	Siwan	17

#### **8. Feedback on implementation**

**Feedback on if trainees plan to utilize the training course? (Yes/No/Not Sure)**

**Answer: Yes**

**If yes, feedback on how they plan to utilize the training course?**

**(Further trainings/ Awareness generation in their health facility/Other)**

**Answer: Awareness generation in their health facility**

## ANNEX I: PARTICIPANTS' LIST

Name	Category	State	Phone	Email
Anshul Mishra	Doctor	Madhya Pradesh	9140298044	anshulmishra031@gmail.com
Rajendra Kumar	Doctor	Bihar	9955632526	drrajendrakumar1299@gmail.com
Amrita Cintury	Nurse	Sikkim	9434257060	amritacintury@gmail.com
Pawan Kumar Srivastava	Other	Jharkhand	9576663418	pawanksri2003@gmail.com
Kiran Baghwar	Other	Jharkhand	8340570830	kirantbaghwar@gmail.com
Dupjor Lepcha	Doctor	Sikkim	9647878310	dupjorlepcha237@gmail.com
Hemanta Manger	Nurse	Sikkim	8898823755	hemantamanger23@gmail.com
Sudip Kumar Kisku	Other	Jharkhand	8825260935	sudip_kisku@yahoo.co.in
PRAMOD KUMAR DIWAN	Doctor	Madhya Pradesh	9893128276	idspvid-mp@nic.in
Varsha Kureel	Doctor	Madhya Pradesh	6264962625	dioratlaam1@gmail.com
Bherulal Sisodia	Other	Madhya Pradesh	9425977200	sisodiabherulal63@gmail.com
Swatantra Patel	Doctor	Madhya Pradesh	9685038161	patelswatantra@gmail.com
Arbind Kumar Singh	Doctor	Bihar	7903268863	arbindsingh146@gmail.com
Manoj Kaurav	Doctor	Madhya Pradesh	9303110747	dr.mkaurav.sihmc2011@gmail.com
Avinash Sinha	Doctor	Bihar	7739776660	dravinashsinha8892@gmail.com
Tirtharaj Dhamala	Doctor	Sikkim	8372899929	prgxhrma@gmail.com
Mokarram Ali	Doctor	Bihar	8340249426	mokarramali96@gmail.com
Ravi Ranjan Kumar Raman	Doctor	Bihar	8298777781	ravinmch@gmail.com
Sanjeev Kumar	Doctor	Bihar	9534925727	sanjeevkumarkmc@gmail.com
Vijay Kumar	Doctor	Bihar	7761886847	ajvkumar124@gmail.com
Eden Bhutia	Doctor	Sikkim	9732881996	bhutiaeden20@gmail.com
VIKRAM KUMAR	Doctor	Bihar	7836878968	vikram3026@gmail.com
Parwin Kumar	Doctor	Bihar	9523849644	kumarprawin76@gmail.com
Om Prakash Mandal	Doctor	Bihar	7991175918	opmandal456@gmail.com
Urgen Sherpa	Doctor	Sikkim	7407691463	usherpa7@gmail.com
Bibek Pradhan	Doctor	Sikkim	7082434938	bibekpradhan93@gmail.com
Pema Yangchen Bhutia	Nurse	Sikkim	7797892738	yangchenpema71@gmail.com
RASHTRENDRA KUMAR KHADYOT	Doctor	Madhya Pradesh	9993357287	khadyot49@gmail.com
SANDEEP KUMAR GUPTA	Doctor	Bihar	7634814638	saidarbar5@gmail.com
Shivendra Kumar Patel	Doctor	Madhya Pradesh	9972502042	shivendra1349@gmail.com
MOHD. SHOEB KHAN	Doctor	Madhya Pradesh	7999537847	idspvid-mp@nic.in
Sunita Parmar	Doctor	Madhya Pradesh	9425332393	drsunitaparmar@gmail.com

Pradeep Gedam	Doctor	Madhya Pradesh	9425876045	gedampradeep@gmail.com
Ashok Kumar Ram	Doctor	Bihar	7061649021	ashokpmch956@gmail.com
Sonam Doma Lepcha	Nurse	Sikkim	8145590385	domasonam58@gmail.com
Srijana Pradhan	Nurse	Sikkim	7031665441	pradhannurse@gmail.com
Nim Narboo Bhutia	Doctor	Sikkim	9593986069	nimnbhutia@gmail.com
Nagbhushan Prasad	Doctor	Jharkhand	8797281928	nagbhushan.pd@gmail.com
Ashish Kumar	Other	Jharkhand	9702948645	462681@gmail.com
RAJIVA Bhushan	Doctor	Jharkhand	7992382473	rajivabhusan@gmail.com
Manish Kumar	Doctor	Bihar	9102882406	manishkmr462@gmail.com
Rashmi Kaushal	Doctor	Madhya Pradesh	9826343621	rashmikaushal043@gmail.com
BHUPESH CHANDRA MAHATO	Other	Jharkhand	7992461387	DR.BHUPESHMAHATO@GMAIL.COM
Namgay Bhutia	Doctor	Sikkim	9434184389	drnb39@gmail.com
AZMAT AZEEM	Other	Jharkhand	9162346906	azmatazeem@gmail.com
Sandeep Rai	Doctor	Sikkim	6297103894	sandeepothermail@gmail.com
M. Sarfuddin Ahmad	Doctor	Bihar	9934991998	drsaifuahmad@hotmail.com

## **ANNEX II: AGENDA**

[Day wise training schedule.pdf](#)

### ANNEX III: TRAINING EVALUATION

Participatory Planning						
#	Training evaluation	Strongly Agree	Agree	Neutral	Disagree	Strongly disagree
1	Over All training was good	23	23	0	0	0
2	Exercises/Activities are fruitful	16	27	3	0	0
3	Presentations were easy to understand	15	30	1	0	0
4	Background document understandable	15	23	7	1	0
5	Time allotted for session is appropriate	13	13	13	6	1
6	All topics covered well	13	32	1	0	0
7	Easy language in background document	18	26	2	0	0
8	Break time was given as per the agenda	19	25	2	0	0
9.	Experience during mock exercise(good)	20	25	1	0	0
10.	The course curriculum will help participants in practical implementation of leanings from training	17	28	1	0	0