

Annex- 2.1

Meetings of state level Institutions (Para 2.5.4.3)

| Name of the state | Institutions | Date of constitution | No. of meetings held during last five years |
|-----------------------------|---|---|---|
| Andaman and Nicobar Islands | Union Territory Disaster Management Authority | 09.01.2008 | One |
| | Union Territory Disaster Management Executive Committee | 09.01.2008 | Six |
| | UT Advisory Committee | Not constituted | |
| Andhra Pradesh | SDMA | 14-11-2007 | Two |
| | SEC | 14-11-2007 | One |
| | State Advisory Committee (SAC) | Not constituted | |
| Gujarat | SDMA | 1.09.2003 | Two |
| | SEC, SAC | No provision for constitution of these in Gujarat State Disaster Management Act, 2003 | |
| Maharashtra | SDMA | 24.05.2006 | Eight |
| | SEC | 24.05.2006 | 11 |
| | SAC | No reply received due to fire at Secretariat | |
| Odisha | SDMA | 20.10.2010 | Nil |
| | SEC | 06.12.2010 | Three |
| | SAC | Not constituted | |
| Rajasthan | SDMA | 6.09.2007 | 10 |
| | SEC | 15.10.2007 | 13 |
| | SAC | Not constituted | |
| Tamil Nadu | SDMA | September 2008 | Never met |
| | SEC | January 2009 | One |
| | SAC | Not constituted | |
| Uttarakhand | SDMA | 10.10.2007 | Never met |
| | SEC | 18.01.2008 | Nil |
| | SAC | 11.02.2008 | One |
| West Bengal | SDMA | 1.08.2007 | One |
| | SEC | 1.08.2007 | 97 |
| | SAC | 6.04.2010 | Nil |

Annex- 4.1
Vacancies in NDMA (Para 4.6.1)

| Position as on | Sanctioned Strength | Men-in position | Vacant posts | Percentage of vacant posts |
|----------------|---------------------|-----------------|--------------|----------------------------|
| 31.3.2008 | 124 | 49 | 75 | 60 |
| 31.3.2009 | 124 | 68 | 56 | 45 |
| 31.3.2010 | 124 | 76 | 48 | 39 |
| 31.3.2011 | 123 | 71 | 52 | 42 |
| 31.3.2012 | 123 | 83 | 40 | 33 |

Annex- 6.1
Database on different scales collected, stored and accessible to users (Para 6.1.1.1)

| Sl. No. | Category/scale of the database to be collected | Database actually collected | Database stored | Database put for use for access to authorized users |
|---------|--|---|---------------------------|---|
| 1 | National GIS database on 1:50,000 scale (planned for 320 million hectares) | 224 Million (70 per cent) | 224 Million (70 per cent) | NDEM computer infrastructure for serving is yet to be positioned for operational dissemination, thus not accessible to users. |
| 2 | GIS database on 1:10,000 scale (for 169 multi hazard prone districts) | No complete district. (However, data for entire Indian coast is collected.) | No | NDEM computer infrastructure for serving is yet to be positioned for operational dissemination, thus not accessible to users. |
| 3 | GIS database on 1:2,000 scale (for six mega cities - Hyderabad, Bangalore, Kolkata, Chennai, Ahmadabad and Mumbai) | Available for Hyderabad, Bangalore and Kolkata only. | No | NDEM computer infrastructure for serving is yet to be positioned for operational dissemination, thus not accessible to users. |

Annex- 6.2

Reasons for non operationalisation of VPN nodes (Para 6.1.4)

| VPN node site | Reason why they are non-operational |
|---|---|
| IMD Delhi (semi- operational) | The video conferencing system was in bad shape. Indent for repair was being processed. Currently only audio conferencing was possible. |
| Prime Minister's Office Prime Minister's Residence | So far appointment for re-orientation to GSAT-12 could not be obtained due to security reasons and grant of permission to enter the campus. The same was awaited. |
| Shimla, Himachal Pradesh | The antenna fell down from the terrace and became non-functional. Repair actions were initiated. |
| Mumbai, Maharashtra | The equipment were burnt during the recent fire at Mantralaya. Assessment was being done on the available equipment. |

Annex- 8.1

Scheme of financial assistance to the Administrative Training Institutes (Para 8.1.3.2)

| Year | Total no. of ATIs targeted | No. of ATIs which achieved target | No. of ATIs which have not achieved target | Percentage of short fall | Area of concern |
|---------|----------------------------|-----------------------------------|--|--------------------------|-------------------------------------|
| 2007-08 | 29 | 7 | 22 | 75.86 | 10 ATIs did not conduct any program |
| 2008-09 | 29 | 9 | 20 | 68.97 | 3 ATIs did not conduct any program |
| 2009-10 | 29 | 12 | 17 | 58.62 | 5 ATIs did not conduct any program |
| 2010-11 | 29 | 16 | 13 | 44.83 | 2 ATIs did not conduct any program |
| 2011-12 | 29 | 14 | 15 | 51.72 | 2 ATIs did not conduct any program |

Annex- 8.2
Vacancies in NIDM (Para 8.1.6.2)

| Position as on | Sanctioned strength | Men-in position | Vacant posts | Area of concern |
|----------------|---------------------|-----------------|--------------|---|
| 31.3.2008 | 46 | 42 | 4 | 2 post of faculty/ researcher remain vacant |
| 31.3.2009 | 46 | 42 | 4 | 3 post of faculty/researcher remain vacant |
| 31.3.2010 | 46 | 43 | 3 | 2 post of faculty/ researcher remain vacant |
| 31.3.2011 | 57 | 43 | 14 | 4 post of faculty/ researcher remain vacant |
| 31.3.2012 | 57 | 45 | 12 | 4 post of faculty/ researcher remain vacant |

Annex- 9.1
Shortfall in the achievements of the targets fixed for phase-I
(Para 9.3.5.2)

| Proposed equipment | Optimum requirements of equipment | Equipment were to be procured in Phase- I | Installed |
|-------------------------------------|-----------------------------------|---|-----------|
| Automatic Rain-Gauges | 3600 | 1350 | 708 |
| Automatic Message Switching Systems | 1150 | 550 | 550 |
| Doppler Weather Radars | 68 | 13 | 9 |
| Wind Profilers | 15 | 4* | Nil |
| Aeronautical Instrumentation sets | 50 | 26* | Nil |
| RS/RW systems | 44 | 25* | Nil |
| Pilot balloons | 70 | 70 | 70 |
| Lightening detection nodes | 10 | 10* | Nil |

* Not procured as of date

Annex- 10.1

Details of recent disasters or emergencies in Andhra Pradesh

| SI No | Period of occurrence of Disaster | Disaster | No. of districts affected | Population affected (in lakh) | Human deaths in no. | No. of houses damaged | Crop area damaged (Hectares) |
|-------|----------------------------------|-----------------------------------|---------------------------|-------------------------------|---------------------|-----------------------|------------------------------|
| 1 | October 2001 | Heavy Rains / Flash Floods | 5 | --- | 119 | 111340 | --- |
| 2 | December 2003 | Cyclonic Storm / Flash Floods | 6 | 42.68 | 44 | 17147 | 265741 |
| 3 | September 2005 | Heavy Rains / Flash Floods | 10 | 350 | 107 | 118618 | 551966 |
| 4 | August 2006 | Cyclone Storm / Floods | 10 | 13.84 | 165 | 276567 | 219897 |
| 5 | September 2006 | Heavy Rains | 8 | 0.23 | 52 | 29837 | 219950 |
| 6 | October & Nov. 2006 | Ogni Cyclone | 5 | 13.85 | 41 | 95218 | 384550 |
| 7 | June 2007 | Heavy Rains | 16 | 8.35 | 50 | 195456 | 51587 |
| 8 | September 2007 | Heavy Rains/Floods | 15 | 2.4 | 77 | 33241 | 62000 |
| 9 | October 2007 | -do- | 6 | 0.94 | 9 | 9246 | 16405 |
| 10 | October & Nov. 2007 | -do- | 4 | 27.32 | 36 | 611907 | 23000 |
| 11 | Feb. 2008 | -do- | 11 | 0.13 | 4 | 122 | 292854 |
| 12. | March 2008 | Unseasonal heavy rains and Floods | 22 | 0.014 | 36 | 3556 | 227507 |
| 13 | August 2008 | Heavy Rains/ Floods | 15 | 44.28 | 130 | 44364 | 196038 |
| 14 | November 2008 | Khaimuk Cyclone | 9 | 1.0 | 0 | 1190 | 59287 |
| 15 | November 2008 | Nisha - Cyclone | 5 | 1.0 | 9 | 8258 | 220000 |
| 16 | September & October 2009 | Floods due to unprecedented Rains | 13 | 20.72 | 90 | 259095 | 226092 |
| 17 | May 2010 | Laila - Cyclone | 14 | 17.80 | 22 | 14298 | 26685.83 |
| 18 | June to Sept. 2010 | Heavy Rains/ Floods | 22 | 8.95 | 65 | 11022 | 277000 |
| 19 | October & Nov. 2010 | Heavy Rains/ Floods/ JAL Cyclone | 13 | 16.98 | 63 | 20554 | 483000 |
| 20 | December 2010 | Heavy Rains/ Floods | 15 | 8.16 | 21 | 3169 | 1208000 |
| 21 | December 2011 | Thane Cyclone | 9 | 0 | 0 | 0 | 62883 |

(Source: Data furnished by Commissioner for Disaster Management)

Annex- 10.2

Details of recent disasters or emergencies in Gujarat

| Period | Disaster | Remarks (No. of persons died, affected, loss of crops etc) |
|------------------|------------|---|
| 1999-2000 | Drought | 9449 villages in 155 taluks of 17 out of 25 districts with a population of 250 lakh were affected. The failure of fodder crop affected livestock population of 71.33 lakh. Banaskantha, Jamnagar, Kutch and Patan districts were severely affected. Food-grain production was lower by 29.45 <i>per cent</i> compared to that of last year. |
| January 2001 | Earthquake | Kutch - Over 13000 people killed. A total of about 1.3 million houses, lifeline infrastructures were damaged to variable extent. |
| 2001-2002 | Drought | 40 <i>per cent</i> damage of crops sown after the first rains due to delayed and scanty rains. |
| July 2005 | Flood | About 125 people killed. |
| July-August 2006 | Flood | Surat city and south and central Gujarat - Nearly 150 people had died in the floods while over 100 others had died in post-flood epidemic of leptospirosis. Direct and indirect monetary losses have been estimated at ₹ 16,000 crore. |

(Source: State Disaster Management Plan of the Gujarat state)

Annex- 10.3

Details of recent disasters or emergencies in Odisha

| Year | Disaster | Districts affected | Population affected (Flood and heavy rain) | Villages affected (Drought) |
|---------------------------|--|--------------------|--|-----------------------------|
| July 2007 | Floods | 12 | 13.32 lakh | - |
| August and September 2007 | Floods | 15 | 22.47 lakh | - |
| June and September 2008 | Floods | 21 | 47.18 lakh | - |
| 2009 | Flood & heavy rain drought / pest attack | 17 18 | 6.61 lakh | 5294 |
| 2010 | Flood and heavy rain, drought, unseasonal cyclonic rain | 06 17 24 | 0.89 lakh | 10674 (12 lakh hectare) |
| 2011 | Flood and heavy rain | 21 | 35.68 lakh | |

(Source: Annual Reports on natural calamities of Special Relief Commissioner)

Annex- 10.4

Details of recent disasters or emergencies in Rajasthan

| Period | Disaster | Remarks (No. of persons died, affected, loss of crops etc) |
|-------------------|------------------------------------|---|
| August 2006 | Flood | Heavy rainfall resulting in flood in Barmer district. Malwa and Kawas villages submerged and 104 persons died. |
| 13 May 2008 | Serial bomb blasts | In Jaipur, 63 persons died, 78 persons injured and 105 persons sustained minor injuries. |
| 30 September 2008 | Stampede at Jodhpur | 216 persons died, 9 seriously injured and 83 persons sustained minor injuries. |
| April 2009 | Earthquake | It hit Jaisalmer district and surrounding areas, seven persons injured, 2 animal died. It damaged pucca houses-93 completely, 2157 seriously, 276 partially and kucha houses-3 completely, 196 seriously, 51 partially. |
| 29 October 2009 | IOC Depot Fire at Jaipur | 11 officers and labourers died, 65 injured and estimated loss of national property was ₹ 650 crore. |
| December 2009 | Collapse of Chambal Bridge at Kota | 48 labourers died and 12 injured in the accident. |

(Source: Admn. & Progress Report 2006, 2008-09, DMRD and Information provided by Collectorate)

Annex- 10.5

Details of recent disasters or emergencies in Tamil Nadu

| Period | Nature of disaster | Remarks (No. of persons died, affected, loss of crops etc) |
|-------------------------|--|---|
| 26.09.2001 | Earthquake of magnitude 5.5 in the Richter scale off the coast of Puducherry | 3 deaths and minor damage to property in Puducherry and coastal Tamil Nadu |
| 26.12.2004 | Sumatra-Andaman earthquake and Tsunami– a very great earthquake in the north Indian Ocean and the Bay Bengal | 7996 persons died and 1.50 lakh people were rendered homeless. Livelihood of fishermen and others were destroyed. 4.90 lakh persons were evacuated in Tamil Nadu. |
| October- November 2005 | Very active north east monsoon 2005 coupled with low pressure area and deep depression over Bay of Bengal. Intense torrential downpour of rain in in many districts of Tamil Nadu. | 497 persons died, 1520 cattle lost their lives, 104843 huts fully damaged and 206340 huts partly damaged. |
| 17.12.2007 - 21.12.2007 | Heavy Rainfall during North east monsoon | 71 human lives lost, 385 milch animals lost and 20216 huts were damaged. |
| March 2008 | Unseasonal heavy rains | 24 human lives lost. 804 animals lost. 5782 huts were damaged. |
| 26 November 2008 | Nisha Cyclone | 245 human lives lost, 6601 milch animals were lost. 10.59 lakh huts were damaged. 5.85 lakh hectares of agricultural crop damaged. 543 public buildings were damaged. |
| 7.11.2009 | Landslide in the Nilgiris district | 44 persons lost their lives. 3715 huts were damaged. 899 landslides occurred in the state highways. |
| October – December 2010 | Heavy north east monsoon rains | 203 human lives lost. 6256 cattles were lost. 13975 huts were fully damaged and 52812 huts were partially damaged. |
| 12.08.2011 | Earthquake of magnitude 3.5 in Ariyalur area in Tamil Nadu | One death and minor damage in the districts of Cuddalore, Perambalur, Tiruchirappalli and Villupuram. |
| 30.12.2011 | Thane Cyclone – Cuddalore and Villupuram districts severely affected. | 56 lives lost, 401 cattle died, 577584 huts were damaged and 2.34 lakh hectares crops were damaged. 27 High Tension towers, 45460 electric poles and 4700 transformers were uprooted. |

(Source: Annual Report on natural calamities of Revenue administration, Disaster management and mitigation department, Chennai)

Annex- 10.6

Details of recent disasters or emergencies in Uttarakhand

| Period | Disaster or natural calamity during 2007-08 to 2011-12 | Loss of life due to natural calamities during 2007-08 to 2011-12 |
|--------------------|--|---|
| 2008 | Land Slide (9 ¹), Storm (1), Lightening (1), Glacier incident (2), Heavy rains (6) and Others ² | Total loss of lives: 653 |
| 2009 | Land Slide (12), Heavy rains (8), Glacier incident (1), Lightening (1), Cloud burst (1) and Others | Loss of life due to: Landslide: 175 Avalanche: 13 Fire accidents: 26 |
| 2010 | Land Slide (1), Storm (3), Heavy rains (2), Lightening (1) and Others | Heavy rains: 186 Cloud burst/ earthquake: 118 |
| 2011 | Land Slide (4), Heavy rains (2), Cloud burst (3), Flash flood(1) and Others | Others ³ : 135 |
| 2012 (up to March) | Land Slide (1) and Others | |

(Source: Department of Disaster Management, Uttarakhand)

Annex- 10.7

Details of recent disasters or emergencies in West Bengal

| Sl. No. | Period | Disaster/ Natural Calamity | Remarks (No. of persons died, affected, loss of crops etc) |
|---------|----------------|----------------------------|---|
| 1 | June-Sept 2010 | Severe drought | 11 districts affected |
| 2 | April 2010 | Tornado | Uttar Dinajpur district was affected, 43 human lives lost, Estimated value of damaged crops ₹ 2395.35 lakh Estimated value of loss to houses: ₹ 15089.58 lakh. |
| 3 | May 2009 | 'AILA' cyclone | 11 districts affected, 197 people died and lakh of people rendered shelter less. 4.47 lakh hectares crop area affected and Livestock loss was estimated at 213665 nos. The number of fully and partly damaged houses (both kutcha and pucca) was 403275 and 555458 respectively. |
| 4 | June-Aug 2007 | Landslide | Darjeeling district was affected, 12 human lives lost, life of 1.32 lakh persons affected |
| 5 | July-October | Flood | 13 districts affected; 355 human lives lost; life of 118.22 lakh persons affected; 8.59 lakh hectare |

¹ In bracket, no. of incidents are given

² Tree-fall, drowning, wall collapse, cylinder blast, debris-fall, high tension wire fall, stampede incidence etc.

³ Other calamities are fire, avalanche, road accidents, hailstorm, and epidemics etc.

| | | | |
|----|-------------------------|---------------------|---|
| | 2007 | | cropped area affected Total estimated damage to houses, crops and public property: ₹ 203.86 crore. |
| 6 | September –October 2006 | Flood/cyclone | Monsoon rains and tropical cyclone-driven storms in the Bay of Bengal hit India and Bangladesh. West Bengal recorded 50 deaths, 300 were injured and 30,000 mud houses destroyed. Heavy rains left large parts of Kolkata city under water; subsequently 2000 people were evacuated from the city |
| 7 | June-Aug 2006 | Flood | The regions of Birbhum, Burdwan and Murshidabad were affected mainly from continuous monsoonal downpour |
| 8 | October 2005 | Flood | Heavy rains caused floods in many areas. About 3000 coastal villages were inundated. |
| 9 | July 2005 | Flood/ Landslide | Heavy monsoon rains triggered flash floods and landslides |
| 10 | June-Oct 2004 | Flood | Heavy monsoon rains affected several districts |
| 11 | June - Nov 2003 | Flood | Monsoon rains caused floods affecting the regions of Darjeeling, Jalpaiguri, Malda and Murshidabad |
| 12 | November 2002 | Cyclone | Caused 78 deaths along with the destruction of agricultural crops and property |
| 13 | June-August 2002 | Flood | Flooding in Cooch Behar and Jalpaiguri in North Bengal due to monsoon rains. Flash floods swamped ten villages, causing four deaths and 11,000 cases displacement |
| 14 | July-Sept 2001 | Flood | Kolkata was affected |

(Source: Annual Administrative Report from 2007-08 to 2010-11 of State Disaster Management Department and State Disaster Management Plan)