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## **Chapter-I**

### Introduction

Odisha is vulnerable to multiple natural hazards. Due to its sub-tropical littoral location, the state is prone to tropical cyclones, storm surges and tsunamis. It has a 480 km coastline. There are eleven major river systems in Odisha such as the Subarnarekha, the Budhabalanga & Jambhira, the Baitarani, the Brahmani, the Mahanadi, the Rusikulya, the Vansadhara, the Nagabali, the Indravati, the Kolab, and the Bahuda. Its densely populated coastal plains are the alluvial deposits of its river systems. The rivers in these areas with heavy load of silt have very little carrying capacity, resulting in frequent floods, only to be compounded by breached embankments. About two-third of the total cultivated area being rain-dependent, drought poses a serious threat at regular intervals due to failure of Monsoon. Though a large part of the state comes under Earthquake Risk Zone-II (Low Damage Risk Zone), the Brahmani-Mahanadi graven and their deltaic areas come under Earthquake Risk Zone-III (Moderate Damage Risk Zone) covering 43 out of the 103 urban local bodies of the state. Apart from these, loss of life due to lightning has remained the highest of all natural calamities over the last decade. Heatwave conditions during summer months also lead to heat-stroke death and other suffering to the people. Fire accident is common in the State which occurs round the year.

The table below indicates the incidence of major disasters in the State during last 20 years.

| Year | Calamity           | Districts Affected |
|------|--------------------|--------------------|
| 1993 | Floods             | 27                 |
| 1994 | Floods             | 5                  |
|      | Drought            | 10                 |
| 1995 | Floods &Cyclone    | 23                 |
| 1996 | Drought            | 28                 |
| 1997 | Drought            | 16                 |
| 1998 | Drought, Heat wave | 26                 |
| 1999 | Super Cyclone      | 14                 |
| 2000 | Drought            | 29                 |
| 2001 | Floods             | 24                 |
| 2002 | Drought            | 29                 |

| 2003 | Floods                   | 23 |
|------|--------------------------|----|
| 2004 | Floods                   | 05 |
| 2005 | Floods                   | 15 |
| 2006 | Floods                   | 27 |
| 2007 | Floods (July)            | 12 |
| 2007 | Floods (Aug & Sept)      | 15 |
| 2008 | Floods(June & September) | 21 |
| 2009 | Flood & Heavy rain       | 17 |
|      | Drought / Pest Attack    | 18 |
| 2010 | Flood & Heavy rain       | 06 |
|      | Drought                  | 17 |
|      | Unseasonal Cyclonic Rain | 24 |
| 2011 | Drought                  | 21 |
|      | Flood                    | 21 |
| 2012 | Drought                  | 4  |
|      | Flood                    | 5  |

During the year 2012-13, in addition to heavy rain, flood and drought, other disasters like fire accidents, lightning, hailstorm and heat wave were experienced in the State.

## **Chapter-II**

## Rainfall

#### Normal rainfall (Long Term Average):

The long term average rainfall in respect of different Blocks, Districts and the State for different months of year is fixed by IMD, Pune taking into account the rainfall data for preceding 30 years. Such long term average rainfall popularly called 'Normal Rainfall' has been last fixed during 2006 for different districts and the State as follows:

| SI.<br>No. | District      | Annual Normal<br>Rainfall (in mm) | SI.<br>No. | District      | Annual Normal<br>Rainfall (in mm) |
|------------|---------------|-----------------------------------|------------|---------------|-----------------------------------|
| 1          | Angul         | 1401.9                            | 18         | Keonjhar      | 1487.7                            |
| 2          | Balasore      | 1592.0                            | 19         | Khordha       | 1408.4                            |
| 3          | Bargarh       | 1367.3                            | 20         | Koraput       | 1567.2                            |
| 4          | Bhadrak       | 1427.9                            | 21         | Malkanagiri   | 1667.6                            |
| 5          | Bolangir      | 1289.8                            | 22         | Mayurbhanj    | 1600.6                            |
| 6          | Boudh         | 1623.1                            | 23         | Nawarangpur   | 1569.5                            |
| 7          | Cuttack       | 1424.3                            | 24         | Nayagarh      | 1354.3                            |
| 8          | Deogarh       | 1582.5                            | 25         | Nuapara       | 1286.4                            |
| 9          | Dhenkanal     | 1428.8                            | 26         | Puri          | 1408.8                            |
| 10         | Gajapati      | 1403.3                            | 27         | Rayagada      | 1285.9                            |
| 11         | Ganjam        | 1276.2                            | 28         | Sambalpur     | 1495.7                            |
| 12         | Jagatsinghpur | 1514.6                            | 29         | Sonepur       | 1418.5                            |
| 13         | Jajpur        | 1559.9                            | 30         | Sundargarh    | 1422.4                            |
| 14         | Jharsuguda    | 1362.8                            |            | State Average | 1451.2                            |
| 15         | Kalahandi     | 1330.5                            |            |               |                                   |
| 16         | Kandhamal     | 1427.9                            |            |               |                                   |
| 17         | Kendrapara    | 1556.0                            |            |               |                                   |

#### District-wise rainfall for the year 2012

The district-wise monthly rainfall from January to December 2012 with percentage of deviation is given in the table below.

| SI.<br>No.DISTRICT1Angul2Balasore3Bargarh4Bhadrak5Bolangir6Boudh7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur30Sundargarh |          |        | JAN.   |           |        | FEB.   |           |        | MAR    | -         | A      | PRIL   |           |        | MAY    |           |        | JUNE   |           |        | JULY   |           |
|--|----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|
| 2Balasore3Bargarh4Bhadrak5Bolangir6Boudh7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur                         | ISTRICT  | Actual | Normal | % of Dev. |
| 3Bargarh4Bhadrak5Bolangir6Boudh7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur                                  |          | 97.7   | 12.6   | 675.2     | 12.2   | 27.1   | -55.1     | 0.0    | 24.3   | -100.0    | 2.4    | 27.2   | -91.0     | 15.0   | 52.9   | -71.6     | 149.3  | 225.1  | -33.7     | 346.1  | 347.7  | -0.5      |
| 4Bhadrak5Bolangir6Boudh7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | ore      | 71.1   | 14.7   | 383.6     | 0.0    | 31.8   | -100.0    | 0.0    | 34.4   | -100.0    | 80.0   | 62.2   | 28.7      | 29.9   | 108.5  | -72.4     | 97.3   | 221.5  | -56.1     | 146.8  | 308.6  | -52.4     |
| 5Bolangir6Boudh7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | ırh      | 59.5   | 12.5   | 376.0     | 0.0    | 19.1   | -100.0    | 0.0    | 22.0   | -100.0    | 4.4    | 20.0   | -77.9     | 1.7    | 25.6   | -93.5     | 321.8  | 205.6  | 56.5      | 275.5  | 397.2  | -30.6     |
| 6Boudh7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | ak       | 65.7   | 11.8   | 456.9     | 2.1    | 29.6   | -92.8     | 0.0    | 36.1   | -100.0    | 36.3   | 51.2   | -29.1     | 25.6   | 91.4   | -72.0     | 115.2  | 198.2  | -41.9     | 211.4  | 293.6  | -28.0     |
| 7Cuttack8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | gir      | 22.2   | 8.6    | 158.6     | 2.1    | 13.2   | -83.8     | 1.0    | 14.6   | -93.2     | 10.3   | 13.4   | -23.2     | 5.3    | 27.8   | -81.1     | 247.9  | 202.8  | 22.3      | 274.1  | 360.5  | -24.0     |
| 8Deogarh9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | า        | 0.0    | 17.0   | -100.0    | 0.0    | 26.8   | -100.0    | 0.0    | 22.4   | -100.0    | 0.0    | 16.5   | -100.0    | 0.0    | 38.4   | -100.0    | 167.1  | 233.8  | -28.5     | 325.7  | 418.5  | -22.2     |
| 9Dhenkanal10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | ck       | 76.2   | 9.9    | 669.2     | 0.0    | 28.6   | -100.0    | 0.0    | 24.7   | -100.0    | 24.5   | 28.3   | -13.6     | 23.8   | 71.5   | -66.8     | 149.7  | 210.0  | -28.7     | 446.1  | 308.3  | 44.7      |
| 10Gajapati11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | arh      | 120.8  | 14.1   | 756.5     | 2.6    | 27.0   | -90.2     | 0.0    | 20.6   | -100.0    | 18.8   | 21.3   | -11.9     | 6.4    | 41.9   | -84.8     | 128.0  | 242.4  | -47.2     | 280.9  | 447.7  | -37.2     |
| 11Ganjam12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | kanal    | 123.3  | 10.5   | 1073.8    | 0.0    | 21.9   | -100.0    | 0.0    | 33.7   | -100.0    | 17.4   | 41.3   | -57.9     | 37.9   | 69.6   | -45.6     | 155.5  | 225.7  | -31.1     | 337.9  | 317.9  | 6.3       |
| 12Jagatsinghpur13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | oati     | 26.7   | 8.1    | 229.9     | 0.0    | 23.0   | -100.0    | 3.3    | 41.3   | -92.0     | 100.7  | 65.2   | 54.5      | 81.9   | 107.8  | -24.0     | 163.1  | 199.7  | -18.3     | 243.9  | 230.6  | 5.8       |
| 13Jajpur14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | im       | 29.3   | 9.4    | 211.8     | 0.0    | 24.1   | -100.0    | 0.0    | 32.6   | -100.0    | 37.7   | 36.6   | 3.0       | 28.2   | 65.4   | -56.8     | 97.3   | 168.3  | -42.2     | 273.6  | 220.8  | 23.9      |
| 14Jharsuguda14Jharsuguda15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | singhpur | 18.3   | 14.5   | 25.9      | 0.0    | 21.7   | -100.0    | 2.5    | 35.5   | -93.0     | 19.1   | 25.4   | -24.7     | 25.1   | 78.0   | -67.8     | 108.4  | 202.3  | -46.4     | 312.4  | 277.3  | 12.6      |
| 15Kalahandi16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | r        | 102.7  | 12.9   | 695.7     | 0.0    | 25.1   | -100.0    | 0.0    | 28.4   | -100.0    | 45.8   | 46.1   | -0.7      | 71.0   | 93.7   | -24.2     | 123.2  | 238.5  | -48.3     | 381.4  | 350.9  | 8.7       |
| 16Kandhamal17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | uguda    | 38.6   | 14.1   | 173.8     | 0.0    | 22.9   | -100.0    | 0.0    | 17.6   | -100.0    | 38.6   | 15.1   | 155.4     | 5.1    | 27.9   | -81.9     | 168.1  | 218.8  | -23.2     | 421.1  | 385.8  | 9.1       |
| 17Kendrapara18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | andi     | 17.8   | 10.3   | 72.5      | 0.0    | 14.4   | -100.0    | 1.1    | 23.7   | -95.5     | 27.6   | 25.7   | 7.5       | 11.5   | 41.8   | -72.6     | 210.8  | 240.4  | -12.3     | 382.6  | 327.7  | 16.8      |
| 18Keonjhar19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | namal    | 50.1   | 10.6   | 372.9     | 11.9   | 29.7   | -59.9     | 0.0    | 28.0   | -100.0    | 41.4   | 35.7   | 15.9      | 28.8   | 67.8   | -57.5     | 210.1  | 207.9  | 1.0       | 312.7  | 325.1  | -3.8      |
| 19Khordha20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | rapara   | 0.0    | 10.6   | -100.0    | 0.0    | 30.2   | -100.0    | 0.0    | 35.0   | -100.0    | 13.9   | 33.9   | -59.0     | 38.8   | 94.2   | -58.8     | 90.2   | 208.3  | -56.7     | 309.3  | 317.1  | -2.5      |
| 20Koraput21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | har      | 89.6   | 14.6   | 513.7     | 5.2    | 33.8   | -84.5     | 0.0    | 33.1   | -100.0    | 45.4   | 42.1   | 7.8       | 22.6   | 94.8   | -76.2     | 152.6  | 241.4  | -36.8     | 213.1  | 318.0  | -33.0     |
| 21Malkanagiri22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | lha      | 58.1   | 12.4   | 368.5     | 0.0    | 24.3   | -100.0    | 0.0    | 22.1   | -100.0    | 34.6   | 28.0   | 23.4      | 28.6   | 60.7   | -52.9     | 123.8  | 196.2  | -36.9     | 377.4  | 304.9  | 23.8      |
| 22Mayurbhanj23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | out      | 10.7   | 5.7    | 88.1      | 0.0    | 8.6    | -100.0    | 5.0    | 18.3   | -72.9     | 48.6   | 55.2   | -12.0     | 16.2   | 81.9   | -80.2     | 128.0  | 206.8  | -38.1     | 347.1  | 375.6  | -7.6      |
| 23Nawarangpur24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur   | inagiri  | 4.4    | 2.7    | 61.4      | 0.0    | 4.1    | -100.0    | 0.1    | 8.9    | -99.2     | 10.3   | 34.8   | -70.4     | 0.0    | 49.1   | -100.0    | 157.5  | 212.2  | -25.8     | 533.7  | 465.7  | 14.6      |
| 24Nayagarh25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | rbhanj   | 69.1   | 10.3   | 570.5     | 21.0   | 28.0   | -25.1     | 0.0    | 40.2   | -100.0    | 64.6   | 52.5   | 23.1      | 45.7   | 101.2  | -54.9     | 183.1  | 265.8  | -31.1     | 253.3  | 337.3  | -24.9     |
| 25Nuapara26Puri27Rayagada28Sambalpur29Sonepur  | rangpur  | 24.1   | 6.7    | 259.7     | 0.0    | 14.1   | -100.0    | 0.0    | 15.1   | -100.0    | 54.5   | 34.1   | 59.7      | 14.0   | 66.1   | -78.8     | 202.3  | 251.8  | -19.7     | 426.0  | 356.6  | 19.5      |
| 26Puri27Rayagada28Sambalpur29Sonepur   | garh     | 105.3  | 11.7   | 800.1     | 0.0    | 28.6   | -100.0    | 0.0    | 30.0   | -100.0    | 49.1   | 39.9   | 22.9      | 22.6   | 58.8   | -61.5     | 153.9  | 203.5  | -24.4     | 438.6  | 288.5  | 52.0      |
| 27Rayagada28Sambalpur29Sonepur   | ara      | 17.0   | 12.0   | 41.7      | 0.0    | 14.6   | -100.0    | 0.0    | 19.7   | -100.0    | 8.5    | 21.8   | -61.2     | 4.8    | 31.2   | -84.6     | 99.3   | 210.3  | -52.8     | 293.3  | 347.1  | -15.5     |
| 28 Sambalpur<br>29 Sonepur   |          | 0.0    | 10.9   | -100.0    | 0.0    | 25.4   | -100.0    | 0.0    | 15.5   | -100.0    | 0.0    | 18.5   | -100.0    | 0.0    | 62.1   | -100.0    | 117.9  | 188.0  | -37.3     | 305.3  | 292.0  | 4.5       |
| 29 Sonepur   | gada     | 46.1   | 9.6    | 380.1     | 0.5    | 22.9   | -97.6     | 6.2    | 38.0   | -83.6     | 78.6   | 52.7   | 49.2      | 54.9   | 87.8   | -37.4     | 151.5  | 195.3  | -22.4     | 216.2  | 259.5  | -16.7     |
|  | alpur    | 87.8   | 14.8   | 492.9     | 5.8    | 24.5   | -76.5     | 0.0    | 18.2   | -100.0    | 0.0    | 16.5   | -100.0    | 0.0    | 32.3   | -100.0    | 235.1  | 221.0  | 6.4       | 423.0  | 429.5  | -1.5      |
| 30 Sundargarh  | our      | 46.3   | 12.5   | 270.7     | 0.0    | 17.2   | -100.0    | 0.0    | 15.7   | -100.0    | 22.2   | 15.4   | 43.9      | 0.0    | 29.3   | -100.0    | 244.7  | 217.4  | 12.5      | 325.8  | 399.6  | -18.5     |
|  | argarh   | 54.3   | 15.1   | 259.5     | 14.3   | 24.9   | -42.5     | 0.0    | 16.0   | -100.0    | 3.9    | 16.0   | -75.4     | 3.5    | 40.6   | -91.5     | 176.6  | 237.4  | -25.6     | 303.8  | 386.4  | -21.4     |
| Total  | tal      | 1532.5 |        |           | 77.8   |        |           | 19.1   |        |           | 939.0  |        |           | 648.8  |        |           | 4829.5 |        |           | 9738.0 |        |           |
| State Average  | verage   | 51.1   | 11.4   | 348.1     | 2.6    | 22.9   | -88.7     | 0.6    | 25.5   | -97.5     | 31.3   | 33.1   | -5.4      | 21.6   | 63.3   | -65.8     | 161.0  | 216.5  | -25.6     | 324.6  | 339.9  | -4.5      |

Contd..

|            |               | Α       | UGUST  | Г        | SEP    | TEMBE  | R        | 0      | СТОВЕ  | R        | NC     | VEME   | BER      | DE     | ECEM   | BER      | A       | Annual          |          |
|------------|---------------|---------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|---------|-----------------|----------|
| SI.<br>No. | DISTRICT      | Actual  | Normal | % of Dev | Actual | Normal | % of Dev | Actual | Normal | % of Dev | Actual | Normal | % of Dev | Actual | Normal | % of Dev | Actual  | Antc.<br>Normal | % of Dev |
| 1          | Angul         | 418.5   | 357.5  | 17.0     | 239.8  | 217.5  | 10.3     | 68.9   | 86.3   | -20.2    | 59.8   | 20.4   | 193.0    | 0.0    | 3.3    | -100.0   | 1409.7  | 1398.6          | 0.8      |
| 2          | Balasore      | 290.8   | 332.1  | -12.4    | 233.3  | 267.6  | -12.8    | 27.9   | 170.5  | -83.7    | 33.3   | 34.6   | -3.9     | 18.4   | 5.5    | 234.8    | 1010.4  | 1586.5          | -36.3    |
| 3          | Bargarh       | 487.2   | 374.4  | 30.1     | 254.4  | 222.6  | 14.3     | 80.9   | 52.8   | 53.3     | 9.8    | 10.4   | -5.4     | 0.0    | 5.1    | -100.0   | 1495.3  | 1362.2          | 9.8      |
| 4          | Bhadrak       | 241.8   | 311.7  | -22.4    | 139.2  | 216.8  | -35.8    | 39.2   | 145.3  | -73.0    | 70.9   | 37.3   | 90.1     | 18.4   | 4.9    | 276.1    | 947.5   | 1423.0          | -33.4    |
| 5          | Bolangir      | 379.5   | 333.6  | 13.8     | 258.1  | 237.4  | 8.7      | 58.8   | 68.4   | -14.1    | 8.5    | 7.2    | 18.2     | 0.0    | 2.3    | -100.0   | 1267.9  | 1287.5          | -1.5     |
| 6          | Boudh         | 468.3   | 488.8  | -4.2     | 153.4  | 244.8  | -37.4    | 78.7   | 90.5   | -13.1    | 25.7   | 21.1   | 21.6     | 0.0    | 4.4    | -100.0   | 1218.8  | 1618.6          | -24.7    |
| 7          | Cuttack       | 442.1   | 339.1  | 30.4     | 207.5  | 229.2  | -9.5     | 110.9  | 125.6  | -11.7    | 156.9  | 45.0   | 248.7    | 0.0    | 4.1    | -100.0   | 1637.5  | 1420.2          | 15.3     |
| 8          | Deogarh       | 474.2   | 443.4  | 6.9      | 235.1  | 228.2  | 3.0      | 96.3   | 84.4   | 14.1     | 24.3   | 8.0    | 203.3    | 1.4    | 3.5    | -59.0    | 1387.3  | 1579.0          | -12.1    |
| 9          | Dhenkanal     | 420.6   | 344.8  | 22.0     | 229.7  | 220.6  | 4.1      | 76.1   | 104.4  | -27.1    | 79.2   | 36.2   | 118.8    | 0.0    | 2.2    | -100.0   | 1477.5  | 1426.6          | 3.6      |
| 10         | Gajapati      | 199.0   | 253.6  | -21.5    | 267.2  | 237.9  | 12.3     | 75.0   | 168.6  | -55.5    | 134.0  | 61.8   | 116.8    | 0.0    | 5.7    | -100.0   | 1294.9  | 1397.6          | -7.3     |
| 11         | Ganjam        | 216.6   | 246.8  | -12.2    | 191.3  | 216.3  | -11.6    | 81.7   | 177.7  | -54.0    | 268.8  | 71.1   | 278.1    | 0.0    | 7.1    | -100.0   | 1224.4  | 1269.1          | -3.5     |
| 12         | Jagatsinghpur | 241.0   | 379.1  | -36.4    | 215.3  | 241.4  | -10.8    | 54.0   | 151.1  | -64.3    | 98.5   | 80.4   | 22.5     | 8.4    | 7.9    | 6.0      | 1094.5  | 1506.7          | -27.4    |
| 13         | Jajpur        | 312.1   | 341.2  | -8.5     | 179.3  | 238.0  | -24.7    | 84.8   | 140.2  | -39.5    | 74.0   | 41.0   | 80.5     | 5.7    | 3.9    | 46.2     | 1374.2  | 1556.0          | -11.7    |
| 14         | Jharsuguda    | 803.7   | 382.9  | 109.9    | 220.1  | 210.7  | 4.5      | 50.5   | 54.9   | -8.1     | 48.3   | 7.7    | 526.8    | 5.4    | 4.4    | 23.6     | 1794.0  | 1358.4          | 32.1     |
| 15         | Kalahandi     | 451.2   | 355.4  | 27.0     | 268.2  | 204.6  | 31.1     | 29.8   | 74.0   | -59.7    | 23.5   | 10.9   | 115.9    | 0.0    | 1.6    | -100.0   | 1424.2  | 1328.9          | 7.2      |
| 16         | Kandhamal     | 447.8   | 330.8  | 35.4     | 257.2  | 239.1  | 7.6      | 78.4   | 117.7  | -33.4    | 68.4   | 31.0   | 120.7    | 0.0    | 4.5    | -100.0   | 1506.8  | 1423.4          | 5.9      |
| 17         | Kendrapara    | 223.7   | 333.3  | -32.9    | 171.1  | 237.3  | -27.9    | 65.6   | 183.7  | -64.3    | 164.7  | 67.2   | 145.0    | 6.9    | 5.2    | 33.5     | 1077.2  | 1550.8          | -30.5    |
| 18         | Keonjhar      | 383.3   | 343.6  | 11.5     | 234.0  | 241.1  | -3.0     | 58.1   | 101.3  | -42.7    | 47.8   | 20.5   | 133.4    | 4.0    | 3.4    | 19.0     | 1251.6  | 1484.3          | -15.7    |
| 19         | Khordha       | 327.9   | 320.6  | 2.3      | 178.4  | 234.5  | -23.9    | 93.0   | 149.3  | -37.7    | 151.0  | 50.4   | 199.6    | 0.0    | 5.0    | -100.0   | 1372.7  | 1403.4          | -2.2     |
| 20         | Koraput       | 529.6   | 393.6  | 34.6     | 282.9  | 256.3  | 10.4     | 48.3   | 126.1  | -61.7    | 89.4   | 32.6   | 174.3    | 0.0    | 6.5    | -100.0   | 1505.8  | 1560.7          | -3.5     |
| 21         | Malkanagiri   | 537.3   | 472.8  | 13.6     | 372.5  | 281.2  | 32.5     | 56.6   | 109.5  | -48.3    | 46.0   | 23.6   | 94.9     | 0.0    | 3.0    | -100.0   | 1718.4  | 1664.6          | 3.2      |
| 22         | Mayurbhanj    | 300.0   | 359.9  | -16.7    | 249.1  | 262.0  | -4.9     | 57.1   | 114.1  | -50.0    | 20.6   | 21.6   | -4.7     | 19.9   | 7.3    | 173.1    | 1263.4  | 1592.9          | -20.7    |
| 23         | Nawarangpur   | 445.8   | 407.5  | 9.4      | 409.4  | 225.6  | 81.5     | 49.0   | 168.6  | -70.9    | 60.5   | 18.7   | 223.5    | 0.0    | 4.6    | -100.0   | 1685.6  | 1564.9          | 7.7      |
| 24         | Nayagarh      | 466.4   | 288.2  | 61.8     | 270.7  | 226.8  | 19.4     | 121.7  | 134.5  | -9.5     | 119.3  | 39.0   | 206.0    | 1.4    | 4.8    | -71.4    | 1747.7  | 1349.5          | 29.5     |
| 25         | Nuapara       | 249.6   | 327.8  | -23.9    | 176.9  | 214.5  | -17.5    | 48.9   | 68.9   | -29.0    | 31.8   | 15.3   | 107.6    | 0.0    | 3.2    | -100.0   | 930.2   | 1283.2          | -27.5    |
| 26         | Puri          | 322.4   | 297.9  | 8.2      | 217.1  | 243.2  | -10.7    | 103.8  | 181.6  | -42.8    | 192.4  | 67.3   | 185.9    | 0.0    | 6.4    | -100.0   | 1258.9  | 1402.4          | -10.2    |
| 27         | Rayagada      | 330.5   | 273.7  | 20.8     | 200.1  | 199.1  | 0.5      | 82.0   | 109.7  | -25.2    | 119.9  | 32.9   | 264.4    | 0.0    | 4.7    | -100.0   | 1286.5  | 1281.2          | 0.4      |
| 28         | Sambalpur     | 739.5   | 442.4  | 67.2     | 247.7  | 224.7  | 10.3     | 91.4   | 54.7   | 67.1     | 46.9   | 12.7   | 269.0    | 1.1    | 4.4    | -74.2    | 1877.2  | 1491.3          | 25.9     |
| 29         | Sonepur       | 440.0   | 408.9  | 7.6      | 206.8  | 228.0  | -9.3     | 100.8  | 59.8   | 68.6     | 16.2   | 11.4   | 41.8     | 0.0    | 3.3    | -100.0   | 1402.8  | 1415.2          | -0.9     |
| 30         | Sundargarh    | 562.6   | 393.9  | 42.8     | 248.2  | 211.5  | 17.4     | 40.6   | 67.7   | -40.1    | 28.9   | 8.7    | 232.0    | 4.9    | 4.2    | 16.8     | 1436.7  | 1418.2          | 1.3      |
|            | Total         | 12152.8 |        |          | 7014.0 |        |          | 2108.7 |        |          | 2319.1 |        |          | 96.1   |        |          | 41379.4 |                 |          |
|            | State Average | 405.1   | 356.0  | 13.8     | 233.8  | 231.9  | 0.8      | 70.3   | 114.7  | -38.7    | 77.3   | 31.5   | 145.4    | 3.2    | 4.5    | -28.8    | 1379.3  | 1446.7          | -4.7     |

#### Rainfall during Monsoon 2012 (1<sup>st</sup> June to 30<sup>th</sup> September)

The State experienced average deficient rainfall of 25.6 percent in June, 4.5 percent in July, surplus rainfall of 13.8 percent in August and 0.8 percent in September, 2012 compared to the long term average rainfall. The cumulative average rainfall of the State from June to September 2012 accounts for deficit of 1.7 percent.

| Month     | Normal | Rainfall in MM |                 |  |
|-----------|--------|----------------|-----------------|--|
|           |        | Actual         | Deficiency in % |  |
| June      | 216.5  | 161.0          | -25.6           |  |
| July      | 339.9  | 324.6          | -4.5            |  |
| August    | 356.0  | 405.1          | 13.8            |  |
| September | 231.9  | 233.8          | 0.8             |  |

Block-wise analysis of the cumulative rainfall from 1<sup>st</sup> June to 30<sup>th</sup> September 2012 indicates that out of 314 Blocks in the State, 61 Blocks received surplus rainfall to the extent of 19% & more. 157 Blocks received rainfall of between surplus 19% to less than 19% which is considered as normal, 65 Blocks received rainfall of less than 19% to 39%, 28 Blocks received rainfall less than 39% to 59% and 3 Blocks received rainfall less than 59% of the long-term average rainfall. Table below indicates district-wise position.

| SI.<br>No. | DISTRICT      | No. of<br>Blocks<br>having<br>deviation<br>of 19% &<br>above) :<br>EXCESS | No. of<br>Blocks<br>having<br>deviation<br>of +19%<br>to -19%) :<br>NORMAL | No. of<br>Blocks<br>having<br>deviation<br>of -19% to<br>-39%) :<br>DEFICIT | No. of<br>Blocks<br>having<br>deviation<br>of-39% to<br>-59%) :<br>SEVERE<br>DEFICIT | No. of<br>Blocks<br>having<br>deviation<br>of -59% &<br>above) :<br>SCANTY |
|------------|---------------|---|--|---|--|--|
| 1          | Angul         |   | 8  |   |  |  |
| 2          | Balasore      |   | 3  | 3   | 6  |  |
| 3          | Bargarh       | 4   | 7  | 1   |  |  |
| 4          | Bhadrak       |   |  | 6   | 1  |  |
| 5          | Bolangir      | 3   | 7  | 3   | 1  |  |
| 6          | Boudh         |   | 2  | 1   |  |  |
| 7          | Cuttack       | 3   | 8  |   | 2  |  |
| 8          | Deogarh       |   | 2  | 1   |  |  |
| 9          | Dhenkanal     | 2   | 5  | 1   |  |  |
| 10         | Gajapati      | 1   | 5  | 2   |  |  |
| 11         | Ganjam        | 2   | 11   | 7   | 1  | 1  |
| 12         | Jagatsinghpur |   | 3  | 4   | 1  |  |

|    |             | No. of<br>Disrict20 | No. of<br>Disrict29 | No. of<br>Disrict22 | No. of<br>Disrict14 | No. of<br>Disrict3 |
|----|-------------|---------------------|---------------------|---------------------|---------------------|--------------------|
|    | State       | 61                  | 157                 | 65                  | 28                  | 3                  |
| 30 | Sundargarh  | 1                   | 14                  | 2                   |                     |                    |
| 29 | Sonepur     |                     | 5                   | 1                   |                     |                    |
| 28 | Sambalpur   | 6                   | 3                   |                     |                     |                    |
| 27 | Rayagada    | 3                   | 6                   | 1                   | 1                   |                    |
| 26 | Puri        | 4                   | 4                   | 1                   | 2                   |                    |
| 25 | Nuapara     |                     | 3                   | 1                   | 1                   |                    |
| 24 | Nayagarh    | 4                   | 4                   |                     |                     |                    |
| 23 | Nawarangpur | 5                   | 5                   |                     |                     |                    |
| 22 | Mayurbhanj  | 1                   | 10                  | 10                  | 5                   |                    |
| 21 | Malkanagiri | 2                   | 5                   |                     |                     |                    |
| 20 | Koraput     | 5                   | 5                   | 1                   | 2                   | 1                  |
| 19 | Khordha     | 2                   | 5                   | 3                   |                     |                    |
| 18 | Keonjhar    | 2                   | 4                   | 5                   | 2                   |                    |
| 17 | Kendrapara  |                     | 3                   | 4                   | 1                   | 1                  |
| 16 | Kandhamal   | 3                   | 7                   | 2                   |                     |                    |
| 15 | Kalahandi   | 4                   | 7                   |                     | 2                   |                    |
| 14 | Jharsuguda  | 4                   | 1                   |                     |                     |                    |
| 13 | Jajpur      |                     | 5                   | 5                   |                     |                    |

## CHAPTER - III

## Floods & Heavy Rain



#### **Preparedness:**

- 1. District level Natural Calamity Committee meeting:
  - Held in all 30 districts
- 2. Preparedness meeting at State level:
  - Emergency officers meeting and orientation on 9<sup>th</sup> -10<sup>th</sup> May 2012
  - Meeting with Line Departments on 2<sup>nd</sup> June 2012
- 3. Breach closing:
  - All 234 breaches occurred during flood'2011 have been closed.
- 4. Vulnerable Points on embankments identified:
  - Total-337
  - Critical-25
- 5. Flood fighting materials prepositioned:
  - Gunny bags-38,39,500
  - Sand-93,035 Cum
  - Bamboo-11,800

- Bullah-39,770
- Bamboo Mat-23,410
- 6. Availability of boats:
  - 202 boats available under State Port Engineering Organisation.
  - 110 boats available with ODRAF.
  - 70 boats available with NDRF; more boats will be brought from other units if required.
  - 120 boats in fire service units at Districts to be deployed in the event of flood.
  - 25 boats positioned at Fire Service Training Center at Bhubaneswar.
  - Total Boats-527
  - Enumeration & deployment plan of privately owned boats prepared by the districts.
- 7. Health Measures :
  - H & FW Department had taken steps for storing of essential medicines for flood related diseases such as halogen tablets, Anti-venom serum, medicines for Diarrhoea, ORS tablets, Halogen tablets at all hospitals at different levels.
- Mobile health teams formed.
- 8. Veterinary Measures:
- F&ARD Dept had taken steps for storing of livestock medicines with all CDVOs.
- The Department was instructed to finalise the procurement process for supply of cattle feed for the cattle in flood affected areas.
- 9. Agriculture measures :
  - Agriculture Department was ready with the Kharif Contingency plan for 2012.
- 10. Arrangement for Restoration of roads, power & other public utilities:
- Departments H&UD, Works, RD & Energy and BSNL had made necessary prior arrangements for immediate restoration of public utilities like road, water supply projects, electricity supply, telephone lines in case of damage due to flood.
- Coordination meeting was held with related departments for ensuring pre-flood arrangements of the respective departments.
- 11. Readiness of emergency equipment at cyclone/flood shelters -

Mock drill on disaster management held on 6<sup>th</sup> June and 19<sup>th</sup> June, 2012 in all Blocks / Cyclone Shelters to ascertain the readiness of the community to meet any eventuality. The line department officers took part in the said drill in coordination with

the Collectors concerned. Steps were taken for cleaning and keeping the premises of all cyclone/ flood shelters in habitable condition.

- 12. Other preparedness activities: -
  - <u>Activating Control Rooms</u>: State & District Emergency Operation Centres, Flood Control room in the office of EIC, WR, Control Rooms in other line departments including their District level offices activated.
  - <u>Weather Warnings & Flood Forecasting Dissemination</u>: Daily Weather Bulletin issued by IMD daily during monsoon period. CWC & DoWR to give flood forecasts.
  - Installation of temporary Police VHF: 14 temporary Police VHF stations were installed by the Supt. of Police (Signal), Cuttack in interior areas and one in the State Emergency Operation Centre.
  - Arrangement & Stocking of essential commodities: Arrangements were by the Food Supplies & Consumer Welfare Department for stocking of PDS commodities 2/3 months in advance in interior pockets so that these are available in these areas during the rainy season. The Civil Supplies Officers were instructed to keep constant liaison with sources of supply of other relief materials like chuda, gud, etc. Temporary shelter materials in sufficient quantity has been stored at State, District and Tahasil levels.
  - <u>Arrangement & planning for supply of safe drinking water:</u> H&UD Dept. has drawn contingency plan for supply of safe drinking water during floods and to proposition adequate stock of bleaching power, halogen tablets in all divisions.
  - Restriction on plying of vehicles on submerged roads/ bridges: Instructions have been issued to close the bridges/ roads overtopping with flood/ rain water by constructing temporary barricades on both sides & erect hoardings. The respective authorities in charge of the concerned roads will be responsible for the same. Instructions have been issued also to take steps for cancellation of the driving license of the errant drivers.
  - Readiness of ODRAF, Fire Service units and liaison with NDRAF: 10 ODRAF units located at Cuttack, Chatrapur, Koraput, Jharsuguda, Balasore, Bhubaneswar, Paradip, Bolangir, Mayurbhanj and Rourkela were in readiness with required of emergency equipment. 100 fire service units have been provided with boats and other required equipment for flood rescue & relief operation. Close liaison with NDRF is being maintained. ODRAF, NDRF, Fire Service units participated in the mock drill held on 6<sup>th</sup> June 2012 and 19<sup>th</sup> June 2014.

#### Occurrence of flood:

Due to heavy rain during August, flash floods were experienced in Khordha, Kandhamal, Nayagarh and Kalahandi Districts. Similarly due to heavy rain on the effect of Cyclone "Neelam" during 1<sup>st</sup> week of November, flash flood was experienced in Ganjam District.

0.61 lakh population in 1059 Villages of 376 GPs under 33 Blocks and 115 wards of 18 ULBs were affected by flash floods. 3 persons lost their lives due to flood. 13307 houses were damaged. About 1061.82 hectares of crop area was sand cast. There was damage to Rural Roads, PWD Roads and river embankments. The total loss to public properties comes to Rs.21386.37 lakh.

#### **Relief Operation:**

ODRAF teams with power boats and emergency equipments were deployed in Nayagarh & Khordha Districts for search and rescue operation.

22 free kitchen centres were opened and 8430 persons were provided with cooked foods. Emergent relief was provided for a period of 3 days to the affected people of the Khordha and Nayagarh Districts. 988.41 Qtl. of rice, 277.49 Qtl. of Chuda (flattened rice), 23.14 Qtl. of Guda (Juggery) were distributed to the affected people. In addition to that polythene and garments were also distributed.

HBA assistance to the extent of Rs.274.50 lakh, sand cast subsidy of Rs.89.44 lakh, ex-gratia assistance (loss of life) of Rs.3.00 lakh in shape of account payee cheques were distributed to the affected persons. Rs.50.20 lakh was spent for providing food assistance.

An amount of Rs.1.77 crore for repair/restoration of rural roads and Rs.4.75 crore for repair/restoration of river embankments was allocated out of SDRF for the purpose.

The State Govt. tackled the flood situation effectively.

### **Chapter-IV**

## Drought

#### Drought 2012

South West Monsoon generally breaks in Odisha by 10<sup>th</sup> June. This year there was prolonged summer and the monsoon broke on 17<sup>th</sup> June in a part of the State and covered the entire State on 19<sup>th</sup> June. The rainfall during June remained deficient by 26.1 percent. In July also Odisha did not get adequate rainfall in the first fortnight. The shortage of rainfall in July up to 15<sup>th</sup> was 18.7 percent. Cumulatively the shortage of rainfall for the month of June and first fortnight of July remained 22.8 percent. During this period there was deficit / severe deficit of rainfall in 21 districts. Block wise analysis of rainfall data indicates that 25 Blocks had rainfall deficit of more than 59 per cent, 63 Blocks had deficit between 40 and 59 per cent and 83 Blocks got deficit rainfall between 20 and 39 percent. Thus, rainfall remained deficit of more than 19 per cent in 171 Blocks of total 314 Blocks in Odisha up to 16<sup>th</sup> of July 2012.

Although there was slight improvement in rainfall during the second fortnight of July, rainfall as on 31<sup>st</sup> July 2012 in 128 Blocks remained deficient by more than 19 per cent. Of them rainfall in 13 Blocks had deficit of more than 59 per cent, in 43 Blocks the deficit was between 40 to 59 per cent and remaining 72 Blocks had rainfall deficit between 20 to 39 per cent. In all, 128 Blocks in 27 districts faced rainfall deficit of more than 19 per than 19 per cent from 1<sup>st</sup> June to 31<sup>st</sup> July 2012.

Due to late arrival of Monsoon and scanty as well as erratic rainfall, the agriculture operations especially in rainfed areas were severely affected.

#### **Declaration of Drought**

On the basis of the reports of crop cutting experiment received from the Collectors, the State Government have declared 314 villages of 59 Grampanchayats under 10 Blocks of 4 Districts as drought affected having sustained crop loss of 50% and above pertaining to Kharif 2012.

| SI | District   | No of<br>Blocks<br>affected | No of GPs<br>containing<br>the affected<br>villages | No of<br>villages<br>affected |
|----|------------|-----------------------------|---|-------------------------------|
| 1  | Balasore   | 6                           | 49  | 278                           |
| 2  | Bhadrak    | 1                           | 3   | 4                             |
| 3  | Mayurbhanj | 1                           | 3   | 8                             |
| 4  | Nuapada    | 2                           | 4   | 24                            |
|    | TOTAL      | 10                          | 59  | 314                           |

# Abstract of villages having crop loss of 50% and above due to drought during kharif-2012

#### **Relief Measures:**

The following relief measures were taken to assist the affected farmers:

- 1. Agriculture input subsidy to the farmers (Actual Cultivators) who have sustained crop loss of 50% and above.
- Conversion of Kharif short term loans of the farmers to medium term loans in drought affected areas. The rate of interest of short term loans to apply to converted medium term loans.
- Remission of 50% cess on land revenue of the farmers where the crop loss was 50% or more. Collection of the remaining amount to be deferred to the next financial year without levy of interest.
- 4. The tuition fees and examination fees in Government and aided Schools and Colleges in drought affected areas were waived.
- 5. Food assistance @ 1 kg per adult and 500 gram per child to the people in dire need of immediate sustenance up to 60 days, as per assessment of the Collectors.

## Chapter - V

## **Fire Accident & Lightning**

#### **Fire Accident**

District-wise loss of life & properties due to fire accidents during the year 2012-13 are given in the table below.

| SI.<br>No. | Name of the<br>District | No. of accident | No. of<br>villages<br>affected | No. of<br>families<br>affected | approximate<br>value of<br>properties<br>lost (in Rs.) | No. of<br>persons<br>died | No. of<br>cattle<br>died |
|------------|-------------------------|-----------------|--------------------------------|--------------------------------|--|---------------------------|--------------------------|
| 1          | 2                       | 3               | 4                              | 5                              | 6  | 7                         | 8                        |
| 1          | Angul                   | 287             | 260                            | 597                            | 14531400   | 0                         | 0                        |
| 2          | Balasore                | 470             | 270                            | 470                            | 15833989   | 0                         | 0                        |
| 3          | Bargarh                 | 33              | 30                             | 56                             | 4752500  | 3                         | 0                        |
| 4          | Bhadrak                 | 638             | 1675                           |                                | 44177000   | 0                         | 0                        |
| 5          | Bolangir                | 41              | 38                             | 70                             | 1543001  | 1                         | 10                       |
| 6          | Boudh                   | 79              | 123                            | 348                            | 93970000   | 0                         | 8                        |
| 7          | Cuttack                 | 510             | 402                            | 687                            | 35605061   | 1                         | 0                        |
| 8          | Deogarh                 | 20              | 13                             | 40                             | 2456000  | 0                         | 0                        |
| 9          | Dhenkanal               | 157             | 150                            | 799                            | 25472400   | 1                         | 6                        |
| 10         | Gajapati                | 69              | 61                             | 155                            | 2453000  | 0                         | 0                        |
| 11         | Ganjam                  | 456             | 1429                           | 1739                           | 25004800   | 3                         | 2                        |
| 12         | Jagatsinghpur           | 532             | 347                            | 532                            | 14671500   | 1                         | 7                        |
| 13         | Jajpur                  | 462             | 322                            | 472                            | 12965900   | 0                         | 0                        |
| 14         | Jharsuguda              | 13              | 13                             | 13                             | 640000   | 0                         | 0                        |
| 15         | Kalahandi               | 9               | 9                              | 8                              | 244000   | 1                         | 3                        |
| 16         | Kandhamal               | 158             | 103                            | 160                            | 4497400  | 0                         | 0                        |
| 17         | Kendrapara              | 659             | 326                            | 659                            | 26788900   | 1                         | 8                        |
| 18         | Keonjhar                | 209             | 75                             | 209                            | 6822000  | 0                         | 0                        |
| 19         | Khordha                 | 154             | 150                            | 399                            | 9089585  | 0                         | 0                        |
| 20         | Koraput                 | 93              | 87                             | 231                            | 7402800  | 2                         | 0                        |
| 21         | Malkanagiri             | 59              | 56                             | 59                             | 1560060  | 0                         | 0                        |
| 22         | Mayurbhanj              | 318             | 259                            | 356                            | 9729825  | 05                        | 13                       |
| 23         | Nawarangpur             | 107             | 107                            | 197                            | 3001750  | 1                         | 0                        |
| 24         | Nayagarh                | 173             | 146                            | 408                            | 9805500  | 0                         | 67                       |
| 25         | Nuapara                 | 7               | 7                              | 7                              | 1376000  | 1                         | 0                        |
| 26         | Puri                    | 354             | 327                            | 521                            | 8261500  | 2                         | 18                       |
| 27         | Rayagada                | 46              | 46                             | 90                             | 1840600  | 0                         | 17                       |
| 28         | Sambalpur               | 27              | 26                             | 51                             | 200800   | 0                         | 0                        |
| 29         | Subarnapur              | 97              | 77                             | 291                            | 10231300   | 0                         | 0                        |
| 30         | Sundargarh              | 6               | 5                              | 6                              | 18000  | 13                        | 14                       |
|            | Total                   | 6243            | 6939                           | 9630                           | 394946571  | 36                        | 173                      |

The affected people were provided with emergent food assistance and house building assistance as per the Norms of SDRF/ NDRF. Ex-gratia assistance was also

sanctioned and paid to the Next of the Kins of those who lost their lives due to the calamity.

#### Lightning

265 persons lost their lives due to lightning during the year 2012-13. Information on number of deaths occurred due to lightning in different districts are given below.

| SI. No | Name of the District | No. of death |  |  |  |  |  |
|--------|----------------------|--------------|--|--|--|--|--|
| 1      | Angul                | 8            |  |  |  |  |  |
| 2      | Balasore             | 16           |  |  |  |  |  |
| 3      | Bargarh              | 7            |  |  |  |  |  |
| 4      | Bhadrak              | 15           |  |  |  |  |  |
| 5      | Bolangir             | 3            |  |  |  |  |  |
| 6      | Boudh                | 2            |  |  |  |  |  |
| 7      | Cuttack              | 16           |  |  |  |  |  |
| 8      | Deogarh              | 4            |  |  |  |  |  |
| 9      | Dhenkanal            | 17           |  |  |  |  |  |
| 10     | Gajapati             | 1            |  |  |  |  |  |
| 11     | Ganjam               | 16           |  |  |  |  |  |
| 12     | Jagatsinghpur        | 4            |  |  |  |  |  |
| 13     | Jajpur               | 16           |  |  |  |  |  |
| 14     | Jharsuguda           | 4            |  |  |  |  |  |
| 15     | Kalahandi            | 4            |  |  |  |  |  |
| 16     | Kandhamal            | -            |  |  |  |  |  |
| 17     | Kendrapara           | 12           |  |  |  |  |  |
| 18     | Keonjhar             | 12           |  |  |  |  |  |
| 19     | Khordha              | 12           |  |  |  |  |  |
| 20     | Koraput              | 11           |  |  |  |  |  |
| 21     | Malkanagiri          | 4            |  |  |  |  |  |
| 22     | Mayurbhanj           | 32           |  |  |  |  |  |
| 23     | Nawarangpur          | 9            |  |  |  |  |  |
| 24     | Nayagarh             | 4            |  |  |  |  |  |
| 25     | Nuapara              | 1            |  |  |  |  |  |
| 26     | Puri                 | 4            |  |  |  |  |  |
| 27     | Rayagada             | 4            |  |  |  |  |  |
| 28     | Sambalpur            | 9            |  |  |  |  |  |
| 29     | Sonepur              | 1            |  |  |  |  |  |
| 30     | Sundargarh           | 17           |  |  |  |  |  |
|        | TOTAL                | 265          |  |  |  |  |  |

Ex-gratia assistance have been sanctioned and paid to the Next of the Kins of those who lost their lives due to the calamity.

## Chapter – VI

## Hailstorm

Due to hailstorms, 8 districts were affected during the year 2012-13. The district-wise details of the damages occurred and funds provided towards various assistances for the affected people are given in the table below.

| SI. |            | Date of    |       |               | No. of Hou | se dam | aged  |                        |
|-----|------------|------------|-------|---------------|------------|--------|-------|------------------------|
| No. | Districts  | Occurrence | Fully | Seve-<br>rely | Partially  | Huts   | Total | Assistance<br>(in Rs.) |
| 1   | 2          | 3          | 4     | 5             | 6          | 7      | 8     | 9                      |
| 1   | Koraput    | 14.04.2012 |       |               | 194        |        | 194   | 368600                 |
| 2   | le in ur   | 22.04.2012 | 40    | 63            | 138        |        | 241   | 1063000                |
| 2   | Jajpur     | 21.05.2012 | 2     |               | 1          |        | 3     | 31900                  |
| 3   | Balasore   | 08.04.2012 | 6     | 4             | 100        | 13     | 123   | 325300                 |
| 3   |            | 10.04.2012 |       | 113           | 45         | 14     | 172   | 482100                 |
| 4   | Boudh      | 30.06.2012 |       | 20            | 16         | 36     |       | 94400                  |
| 5   | Deogarh    | 23.05.2012 | 14    |               | 147        |        | 151   | 489300                 |
| 6   | Kandhamal  | 13.04.2012 |       | 1             | 1          |        | 2     | 5100                   |
| 0   | Kanonamai  | 12.05.2012 |       |               | 1          |        | 1     | 1900                   |
| 7   | Mayurbhanj | 18.05.2012 |       |               | 17         |        | 17    | 32300                  |
| 8   | Subarnapur | 03.06.2012 |       | 6             | 12         |        | 18    | 42200                  |
|     | Total      |            | 62    | 207           | 1007       | 63     | 2957  | 2936100                |

## Chapter – VII

### **Heat Wave**

Acute heat-wave conditions prevailed in the State in the month of April 2012. The following important preparedness/ preventive measures were undertaken by the State Government:

- 1. The Collectors were instructed to take required precautionary measures for mitigating the heat-wave situation.
- 2. Meeting under the chairmanship of Hon'ble Chief Minister was held on 1.3.2012 to review the preparedness activities of the related departments.
- 3. The Collectors were instructed to hold District level meeting and take necessary measures to tackle the heat-wave situation.
- 4. Posters on safety tips relating to heat-wave were prepared and distributed by Health & Family Welfare Department and OSDMA for general awareness of the public. Advertisements on such safety tips were also given through local newspapers, radio and television channels.
- 5. All India Radio, Doordarshan and other Television channels organised discussion and other programmes for creating awareness.
- Essential medicines, saline and ORS packets were stored in the District Headquarters Hospitals, Community Health Centres and Primary Health Centres. Special arrangements were made and separate beds were earmarked for treatment of heatstroke patients in different Hospitals.
- The working hour for the labourers was re-scheduled i.e. from 6 a.m. to 11 a.m. and 3.30 pm to 6 pm. Orders were given to make provision of drinking water at work site.
- Plying of buses during peak hours i.e. between 11.00 AM to 3.30 PM was regulated.
   Orders were given to carry portable water and ORS in public transport vehicles.
- 9. Power distributing companies were instructed to ensure uninterrupted power supply during the summer.
- 10. The time table of the schools was re-scheduled from 6.30AM to 10.30 AM.

84 persons lost their lives due to heat-stroke related ailments during 2012-13. The district-wise number of human casualties is given below:

| SI. | Name of the District | No. of persons died |
|-----|----------------------|---------------------|
| 1.  | Angul                | 1                   |
| 2.  | Balasore             | 6                   |
| 3.  | Bargarh              | 5                   |
| 4.  | Bhadrak              | 3                   |
| 5.  | Bolangir             | 1                   |
| 6.  | Boudh                | 1                   |
| 7.  | Cuttack              | 2                   |
| 8.  | Dhenkanal            | 4                   |
| 9.  | Ganjam               | 9                   |
| 10. | Jagatsinghapur       | 3                   |
| 11. | Jajpur               | 8                   |
| 12. | Kalahandi            | 1                   |
| 13. | Kendrapara           | 6                   |
| 14. | Keonjhar             | 1                   |
| 15. | Khurda               | 1                   |
| 16. | Mayurbhanj           | 11                  |
| 17. | Nuapada              | 1                   |
| 18. | Sambalpur            | 2                   |
| 19. | Subarnapur           | 7                   |
| 20. | Sundargarh           | 11                  |
|     | Total                | 84                  |

Ex-gratia assistance @ Rs.10,000/- has been provided to the bereaved families of the sunstroke victims from the Chief Minister Relief Fund by the State Government.

## **Chapter – VII**

## State Disaster Response Fund (SDRF)

Expenditure on account of different calamity mitigation measures are met out of SDRF at the State level. As per the procedures and norms prescribed by Govt. of India, the fund is administered by the State Executive Committee headed by the Chief Secretary. The fund is constituted by the sharing of Central Government and State Government at the ratio of 75:25.

When a calamity of rare severity occurs and the response requirements of disasters are beyond the coping capacity of the State, the Government of India sanctions funds out of NDRF for providing immediate relief to the victims.

The position of both SDRF and NDRF is shown below:

| Category<br>of Funds | Opening<br>Balance | Receipt | Total  | Expenditure | Balance |
|----------------------|--------------------|---------|--------|-------------|---------|
| SDRF                 | 291.30             | 431.72  | 723.02 | 544.89      | 178.13  |
| NDRF                 | 0.00               | 6.19    | 6.19   | 0           | 6.19    |
| Total                | 291.30             | 437.91  | 729.21 | 544.89      | 184.32  |

#### FUNDS POSITION 2012-13

(Rs. in crore)

## Chapter – IX

### Management Information System

Based on the verdict and observation of Supreme Court derived out of Writ Petition (Civil) No.196/2001, the Management Information System for Tracking Hunger and Malnutrition came into force from 2<sup>nd</sup> fortnight of January 2003 in the State. It is the prime and foremost duty of State Government to prevent death due to starvation or malnutrition and ensure food security to the needy people. Accordingly, Government of Odisha introduced a suitable policy for regular monitoring of malnutrition and hunger for ensuring Food security etc. with emphasis on following categories.

- 1. Employment Generation Work
- 2. Food for Work
- 3. For vulnerable population
- 4. In scarcity pockets
- 5. In epidemic prone areas
- 6. Of Individual with prolonged illness
- 7. For Mothers and children with malnutrition
- 8. Social Security Net

Keeping in view the guidelines and format issued on these aspects, district authorities of the State are submitting required information collecting from grass-root level (G.P. level) twice a month i.e. at the end of each fortnight to Special Relief Commissioner, Odisha. On receipt of the information from the Collectors of the Districts, compilation and analysis work are done at SRC level and evaluation of the data is made as per the prescribed indicators. As monitoring authority, advice and guidance are given to the concerned Departments of Government and all Collectors for making necessary interventions on the feedbacks from the field and submit regular compliance thereof. Thus, Management Information System has proved its utility for effective management of disaster.

## Appendix – X

### Profile of the State

| SI.<br>No. | Name of the<br>District | Total<br>Land<br>area<br>(Sq.Km.) | Number<br>of<br>Villages | Popul-<br>ation<br>(in '000) | Literacy<br>Rate (in<br>per<br>cent) | Cropped<br>area<br>(in '000<br>ha.) | Inter State<br>rivers   | Normal<br>Annual<br>rainfall<br>(mm) |
|------------|-------------------------|-----------------------------------|--------------------------|------------------------------|--------------------------------------|-------------------------------------|---|--------------------------------------|
| 1          | 2                       | 3                                 | 4                        | 5                            | 6                                    | 7                                   | 8   | 9                                    |
| 1          | Angul                   | 6375                              | 1910                     | 1272                         | 78.96                                | 309.38                              | Brahmani,<br>Mahanadi   | 1401.9                               |
| 2          | Balasore                | 3806                              | 2952                     | 2317                         | 80.66                                | 338.95                              | Subarnarekha,<br>Budhabalang,<br>Jalaka,<br>Swarna  | 1592.0                               |
| 3          | Baragarh                | 5837                              | 1207                     | 1479                         | 75.16                                | 450.39                              | Mahanadi,<br>Zira, Anga   | 1367.3                               |
| 4          | Bhadrak                 | 2505                              | 1311                     | 1507                         | 83.25                                | 239.58                              | Baitarani,<br>Salandi   | 1427.9                               |
| 5          | Bolangir                | 6575                              | 1794                     | 1648                         | 65.50                                | 451.78                              | Hati, Suktel,<br>Rahul  | 1289.8                               |
| 6          | Boudh                   | 3098                              | 1186                     | 440                          | 72.51                                | 135.70                              | Mahanadi, Tel,<br>Salanki, Bagh,<br>Mehurni   | 1623.1                               |
| 7          | Cuttack                 | 3932                              | 1950                     | 2619                         | 84.20                                | 323.37                              | Mahanadi,<br>Devi,<br>Kathajodi,<br>Birupa,<br>Kuakhai,<br>Sidua, Luna,                             | 1424.3                               |
| 8          | Deogarh                 | 2940                              | 875                      | 312                          | 73.07                                | 101.47                              | Bramani   | 1582.5                               |
| 9          | Dhenkanal               | 4452                              | 1215                     | 1193                         | 79.41                                | 259.75                              | Bramani,<br>Ramiyal   | 1428.8                               |
| 10         | Gajapati                | 4325                              | 1619                     | 576                          | 54.29                                | 148.60                              | Bansadhara  | 1403.3                               |
| 11         | Ganjam                  | 8206                              | 3212                     | 3520                         | 71.88                                | 657.28                              | Rusikulya,<br>Badanadi,<br>Baghua,<br>Dhanei,<br>Loharakhandi,<br>Ghodahada,<br>Kokalaba,<br>Bahuda | 1276.2                               |
| 12         | Jagatsinghpur           | 1668                              | 1288                     | 1137                         | 87.13                                | 177.41                              | Biluakhai,<br>Paika,<br>Mahanadi,<br>Devi, Hansua.  | 1514.6                               |
| 13         | Jajpur                  | 2899                              | 1778                     | 1826                         | 80.44                                | 266.56                              | Baitarani,<br>Brahmani,<br>Budha,<br>Kharasrota,<br>Birupa  | 1559.9                               |
| 14         | Jharsuguda              | 2114                              | 348                      | 579                          | 78.36                                | 87.08                               | lb, Veden   | 1362.8                               |
| 15         | Kalahandi               | 7920                              | 2236                     | 1573                         | 60.22                                | 561.28                              | Hati, Indravati,<br>Tel, Reta,<br>Vamsadhara,<br>Chandola,<br>Utei.                                 | 1330.5                               |

| 16 | Kandhamal     | 8021   | 2546  | 732   | 65.12 | 185.03  | Rahul,<br>Salunki,  | 1427.9 |
|----|---------------|--------|-------|-------|-------|---------|---|--------|
| 17 | Kendrapara    | 2644   | 1540  | 1440  | 85.93 | 260.03  | Brahmani,<br>Hansua,<br>Kharasrota,<br>Luna,<br>Chitrotpala,<br>Paika,<br>Karandia                  | 1556.0 |
| 18 | Keonjhar      | 8303   | 2122  | 1803  | 69.00 | 394.63  | Baitarani   | 1487.7 |
| 19 | Khurda        | 2813   | 1551  | 2246  | 87.51 | 182.26  | Kusabhadra,<br>Bhargavi,<br>Daya  | 1408.4 |
| 20 | Koraput       | 8807   | 2028  | 1377  | 49.87 | 398.94  | Kolab,<br>Ultajharan,<br>Champabati,<br>Jhanjabati  | 1567.2 |
| 21 | Malkanagiri   | 5791   | 1045  | 613   | 49.49 | 219.10  | Saberi, Sileru,<br>Guru, Priya<br>Kalam,<br>Taptadhara  | 1667.6 |
| 22 | Mayurbhanj    | 10418  | 3950  | 2514  | 63.98 | 479.24  | Kala,<br>Budhabalang  | 1600.6 |
| 23 | Nawaranghpur  | 5291   | 901   | 1219  | 48.20 | 281.78  | Indravati, Tel,<br>Vaskel   | 1569.5 |
| 24 | Nayagarh      | 3890   | 1695  | 962   | 79.17 | 209.95  | Mahanadi,<br>Brutanga,<br>Kaligiri,<br>Kusumi,<br>Malaguni,<br>Budha<br>Budhari,<br>Kuairia         | 1354.3 |
| 25 | Nuapada       | 3852   | 663   | 606   | 58.20 | 279.72  | Udanti, Jalka   | 1286.4 |
| 26 | Puri          | 3479   | 1715  | 1698  | 85.37 | 283.26  | Kadua,<br>Dhanua,<br>Bhadua,<br>Ratnachira,<br>Malaguni,<br>Devi, Daya,<br>Kusabhadra,<br>Bhargavi, | 1408.8 |
|    |               |        |       |       |       |         | Prachi, Luna  |        |
| 27 | Rayagada      | 7073   | 2667  | 962   | 50.88 | 254.61  | Bansadhara,<br>Nagabali   | 1285.9 |
| 28 | Sambalpur     | 6624   | 1322  | 1044  | 76.91 | 268.61  | Mahanadi  | 1495.7 |
| 29 | Subarnapur    | 2337   | 959   | 652   | 74.42 | 225.36  | Mahanadi, Tel   | 1418.5 |
| 30 | Sundargarh    | 9712   | 1764  | 2081  | 74.13 | 369.98  | Brahmani, Ib,   | 1422.4 |
|    | Total (State) | 155707 | 51349 | 41947 | 73.45 | 8801.08 |   | 1451.2 |

## Appendix - XI-A

#### Extent of damage due to Natural Calamities

#### State : Odisha

### Type of Natural Calamity : Floods 2012

| S. No. | Item  | Details   |
|--------|---|---|
| 1      | Period of occurrence                              | 2012  |
| 2      | Total number of districts in the State            | 30  |
| 3      | Number and names of districts affected            | 5 [Ganjam, Khurda, Kalahandi,<br>Kandhamal, Nayagarh] |
| 4      | Number of villages affected                       | 1059  |
| 5      | Population affected (in lakh)                     | 60581   |
| 6      | Total land area affected (in lakh ha)             |   |
| 7.1    | Cropped area affected                             |   |
| 7.1.1  | Total cropped area affected (in lakh ha)          | 1061.82   |
| 7.1.2  | Estimated loss to crops (Rs.in lakh)              |   |
| 7.1.3  | Area where crop damage was more than 50%          |   |
| 7.2    | Percentage of cropped area held by SMF            |   |
| 7.2.1  | In State, as a whole                              |   |
| 7.2.2  | In the affected districts                         |   |
| 8      | Houses damaged                                    |   |
| 8.1    | No. of houses damaged (Total)                     | 14655   |
| 8.1.1  | Fully damaged pucca houses                        |   |
| 8.1.2  | Fully damaged Kutcha houses                       | 239   |
| 8.1.3  | Severally damaged Pucca houses                    | 10  |
| 8.1.4  | Severally damaged Kutcha houses                   | 1082  |
| 8.1.5  | Partly damaged houses<br>(Pucca+Kutcha)           | 12377   |
| 8.1.6  | No. of huts damaged                               | 363   |
| 8.2    | Estimated value of damage to houses (Rs. In lakh) |   |
| 9      | No. of human lives lost                           | 3   |
| 10     | No. of persons who suffered grievous<br>injuries  |   |
| 11     | No. of persons who suffered minor<br>injuries     |   |
| 12     | Animal & Poultry Loss                             |   |
| 12.1   | No. of milch animal lost                          | 23  |
| 12.1.1 | Buffalo/Cow/Camel/Yak                             |   |
| 12.1.2 | Sheep / Goat                                      |   |
| 12.1.3 | Others (indicate name)                            |   |
| 12.2   | No. of Draught animals lost                       |   |
| 12.2.1 | Camel /Horse / Bullock                            |   |
| 12.2.2 | Calf/Donkey/Pony/Mule                             |   |
| 12.2.3 | Others (Indicate name)                            |   |

| 12.3   | No. of Poultry birds lost                               |                      |                       |
|--------|---|----------------------|-----------------------|
| 13     | Damage to public properties                             |                      | Estimated<br>Loss     |
|        |   |                      | (Rs.23914.24<br>lacs) |
| 40.4   |   |                      | Estimated             |
| 13.1   | Roads (All)   | Length- 1171.84 km.  | Loss<br>(Rs. 8417.46  |
|        |   |                      | lacs)                 |
| 13.1.1 | State Roads   | Length 500.04 lum    | Estimated<br>Loss     |
|        |   | Length – 532.84 km.  | (Rs. 3208.84          |
|        |   |                      | lacs)<br>Estimated    |
| 13.1.2 | District Roads  | Length- 186.00 km    | Loss                  |
|        |   |                      | (Rs. 1340.57<br>lacs) |
| 1010   | Village Reade   |                      | Estimated             |
| 13.1.3 | Village Roads   | Length- 453.52 km    | Loss<br>(Rs. 3868.05  |
|        |   |                      | lacs)<br>Estimated    |
| 13.2   | Bridges & Culverts                                      | No 102               | Loss                  |
|        |   | NO 102               | (Rs. 1644.08<br>lacs) |
|        |   |                      | Estimated             |
| 13.2.1 | Bridges   | No 1                 | Loss<br>(Rs. 1262.48  |
|        |   |                      | lacs)                 |
|        | Culverts  |                      | Estimated<br>Loss     |
| 13.2.2 |   | No 101               | (Rs. 381.6            |
|        | Drinking Water Supply                                   |                      | lacs)                 |
| 13.3   |   |                      |                       |
| 13.4   | Irrigation Sector                                       |                      | Estimated<br>Loss     |
|        |   | No. of Schemes - 797 | (Rs. 3791.16          |
|        |   |                      | lacs)<br>Estimated    |
| 13.5   | Power Sector  | No. of Schemes - 364 | Loss                  |
|        |   |                      | (Rs. 115.8<br>lacs)   |
| 13.6   | Education Sector  |                      | ,                     |
| 13.6.1 | Primary Schools (Damaged /<br>Destroyed)                |                      |                       |
| 13.6.2 | Middle Schools (Damaged /Destroyed)                     |                      |                       |
|        | High / Higher Secondary Schools                         |                      | Estimated<br>Loss     |
| 13.6.3 | High / Higher Secondary Schools<br>(Damaged /Destroyed) | No. of buildings-10  | (Rs. 2000             |
|        | Other educational institutes                            |                      | lacs)                 |
| 13.6.4 | (Damaged /Destroyed)                                    |                      |                       |
|        |   |                      |                       |

| 13.7   | Health Sector   | No. of buildings - 5 | Estimated<br>Loss<br>(Rs. 1500<br>lacs) |
|--------|---|----------------------|---|
| 13.7.1 | PHCs (Damaged /Destroyed)                                     | No. of buildings - 5 | Estimated<br>Loss<br>(Rs. 1500<br>lacs) |
| 13.7.2 | CHCs (Damaged /Destroyed)                                     | No. of buildings-75  | Estimated<br>Loss<br>(Rs. 2000<br>lacs) |
| 13.7.3 | Other Buildings (Damaged /Destroyed)                          |                      |   |
| 14.    | Total Estimated damage to Houses, crops and Public properties |                      |   |

\* Information is to be given separately for each major natural disaster during the year.

## Appendix – XI –B Extent of Damage due to Natural Calamities\*

State: Odisha

|        | 1.  | Calamities |      |        |      |         |      |       |       |        |       |        |                 |             |
|--------|---|------------|------|--------|------|---------|------|-------|-------|--------|-------|--------|-----------------|-------------|
| SI.    | Item  | -          |      |        |      |         |      |       |       |        |       | _      |                 | Total (All  |
| No.    |   | Cy -       | Dro- | Earth  | Fire | Flood   | Tsu- | Hail  | Land  | Ava-   | Cloud | Pest   | Cold            | Calamities) |
|        |   | clone      | ught | quakes |      |         | nami | storm | slide | lances | burst | Attack | Wave /<br>Frost |             |
| 1      | Period of occurrence                              |            |      |        |      | 2012    |      |       |       |        |       |        |                 |             |
| 2      | Total number of districts in the State            |            |      |        |      | 5       |      |       |       |        |       |        |                 |             |
| 3      | Number and names of districts affected            |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 4      | Number of villages affected                       |            |      |        |      | 1059    |      |       |       |        |       |        |                 |             |
| 5      | Population affected (in lakh ha)                  |            |      |        |      | 60581   |      |       |       |        |       |        |                 |             |
| 6      | Total land area attached (in lakh ha)             |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 7.1    | Cropped area affected                             |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 7.1.1  | Total cropped area affected (in lakh ha)          |            |      |        |      | 1061.82 |      |       |       |        |       |        |                 |             |
| 7.1.2  | Estimated loss to crops (Rs. in lakh)             |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 7.1.3  | Area where crop damage was more than 50%          |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 7.2.   | Percentage of cropped area held by SMF            |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 7.2.1  | In State as a whole                               |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 7.2.2  | In the affected districts                         |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 8      | Houses damaged                                    |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 8.1    | No. of houses damaged (Total)                     |            |      |        |      | 14655   |      |       |       |        |       |        |                 |             |
| 8.1.1  | Fully damaged pucca houses                        |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 8.1.2  | Fully damaged Kutcha houses                       |            |      |        |      | 239     |      |       |       |        |       |        |                 |             |
| 8.1.3  | Severally damaged kutcha houses                   |            |      |        |      | 10      |      |       |       |        |       |        |                 |             |
| 8.1.4  | Severally damaged Pucca houses                    |            |      |        |      | 1082    |      |       |       |        |       |        |                 |             |
| 8.1.5  | Partly damaged houses (Pucca+Kutcha)              |            |      |        |      | 12377   |      |       |       |        |       |        |                 |             |
| 8.1.6  | No. of huts damaged                               |            |      |        |      | 363     |      |       |       |        |       |        |                 |             |
| 8.2    | Estimated value of damage to houses (Rs. In lakh) |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 9      | No. of human lives lost                           |            |      |        |      | 3       |      |       |       |        |       |        |                 |             |
| 10     | No. of persons who suffered grievous injuries     |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 11     | No. of persons who suffered minor injuries        |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 12     | Animal & Poultry Loss                             |            |      |        |      |         |      |       |       |        |       |        |                 |             |
| 12.1   | No. of milch animal lost                          |            |      |        |      | 23      |      |       |       |        |       |        |                 |             |
| 12.1.1 | Buffalo/Cow/Camel/Yak                             |            |      |        |      |         |      |       |       |        |       |        |                 |             |

| 12.1.2 | Sheep / Goat              |                                 |        |   |  |  |
|--------|---------------------------|---------------------------------|--------|---|--|--|
| 12.1.3 | Others (indicate name)    |                                 |        |   |  |  |
| 12.2   | No. of Draught animals I  | ost                             |        |   |  |  |
| 12.2.1 | Camel /Horse / Bullock    |                                 |        |   |  |  |
| 12.2.2 | Calf/Donkey/Pony/Mule     |                                 |        |   |  |  |
| 12.2.3 | Others (Indicate name)    |                                 |        |   |  |  |
| 12.3   | No. of Poultry birds lost |                                 |        |   |  |  |
| 13     | Damage to public proper   | rties                           |        |   |  |  |
| 13.1   | Roads (All)               | Length                          | 1171.8 | 4 |  |  |
|        |                           | Estimated Loss                  | 8517.4 | 6 |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.1.1 | State Roads               | Length                          | 532.32 | 2 |  |  |
|        |                           | Estimated Loss                  | 3208.8 | 4 |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.1.2 | District Roads            | Length                          | 186.00 |   |  |  |
|        |                           | Estimated Loss                  | 1340.5 | 7 |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.1.3 | Village Roads             | Length                          | 453.52 |   |  |  |
|        |                           | Estimated Loss                  | 3868.0 | 5 |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.2   | Bridges & Culverts        | No.                             | 102    |   |  |  |
|        |                           | Estimated Loss                  | 1644.0 | 8 |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |
|        |                           | No.                             | 1      | - |  |  |
| 13.2.1 | Bridges                   | Estimated Loss                  | 1262.4 | 8 |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.2.2 | Culverts                  | No.                             | 101    |   |  |  |
|        |                           | Estimated Loss                  | 381.6  |   |  |  |
| 10.0   |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.3   |                           | No. of schemes                  |        |   |  |  |
|        | Drinking Water Supply     | Estimated Loss                  |        |   |  |  |
| 10.1   |                           | (Rs. in lacs)                   |        |   |  |  |
| 13.4   | Irrigation Sector         | No. of schemes                  | 797    | c |  |  |
|        |                           | Estimated Loss                  | 3791.1 | σ |  |  |
| 40.5   | Device Contan             | (Rs. in lacs)<br>No. of schemes | 364    |   |  |  |
| 13.5   | Power Sector              | Estimated Loss                  | 364    |   |  |  |
|        |                           |                                 | 115.8  |   |  |  |
|        |                           | (Rs. in lacs)                   |        |   |  |  |

| 13.6   | Education Sector        |                  |  |         |  |  |  |
|--------|-------------------------|------------------|--|---------|--|--|--|
| 13.6.1 |                         | No. of buildings |  |         |  |  |  |
|        | Primary Schools         | Estimated Loss   |  |         |  |  |  |
|        | (Damaged / Destroyed)   | (Rs. in lacs)    |  |         |  |  |  |
| 13.6.2 | Middle Schools          | No. of buildings |  |         |  |  |  |
|        | (Damaged /Destroyed)    | Estimated Loss   |  |         |  |  |  |
|        |                         | (Rs. in lacs)    |  |         |  |  |  |
| 13.6.3 | High / Higher Secondary | No. of buildings |  | 10      |  |  |  |
|        | Schools (Damaged        | Estimated Loss   |  | 2000.00 |  |  |  |
|        | /Destroyed)             | (Rs. in lacs)    |  |         |  |  |  |
| 13.6.4 | Other educational       | No. of buildings |  |         |  |  |  |
|        | institutes (Damaged     | Estimated Loss   |  |         |  |  |  |
|        | /Destroyed)             | (Rs. in lacs)    |  |         |  |  |  |
| 13.7   | Health Sector           | No. of buildings |  | 85      |  |  |  |
|        |                         | Estimated Loss   |  | 5000.00 |  |  |  |
|        |                         | (Rs. in lacs)    |  |         |  |  |  |
| 13.7.1 | PHCs (Damaged           | No. of buildings |  | 5       |  |  |  |
|        | /Destroyed)             | Estimated Loss   |  | 1500.00 |  |  |  |
|        |                         | (Rs. in lacs)    |  |         |  |  |  |
|        |                         | No. of buildings |  | 5       |  |  |  |
|        | CHCs (Damaged           | Estimated Loss   |  | 1500.00 |  |  |  |
| 13.7.2 | /Destroyed)             | (Rs. in lacs)    |  |         |  |  |  |
| 13.7.3 | Other Buildings         | No. of buildings |  | 75      |  |  |  |
|        | (Damaged /Destroyed)    | Estimated Loss   |  | 2000.00 |  |  |  |
|        |                         | (Rs. in lacs)    |  |         |  |  |  |
|        | Total Estimated damage  |                  |  |         |  |  |  |
| 14.    | to Houses, crops and    |                  |  |         |  |  |  |
|        | Public properties       |                  |  |         |  |  |  |

|             |  |             |             | Ар       | oendix-XII |            |           |            |           |           |             |         |                     |  |
|-------------|--|-------------|-------------|----------|------------|------------|-----------|------------|-----------|-----------|-------------|---------|---------------------|--|
|             | Statement showing item-                            | wise detail | s of exp    | enditure | incurred a | s per ap   | proved it | tems and n | orms of S | DRF/ND    | RF          |         |                     |  |
|             |  |             |             |          |            |            |           |            |           |           | (Rup        | ees in  | Lakh)               |  |
| Code<br>No. | Items  | Calamity    |             |          |            |            |           |            |           |           |             |         |                     |  |
| 140.        |  | Avalanche   | Cloud burst | Cyclone  | Drought    | Earthquake | Fire      | Flood      | Hailstorm | Landslide | Pest Attack | Tsunami | Cold wave/<br>frost |  |
| 1           | 2  | 3           | 4           | 5        | 6          | 7          | 8         | 9          | 10        | 11        | 12          | 13      | 14                  |  |
| 1           | Gratuitous Relief                                  |             |             |          |            |            |           |            |           |           |             |         |                     |  |
| (a)         | Ex-gratia payment to families to decease           | d persons   |             |          |            |            |           |            |           |           |             |         |                     |  |
|             | (i) As per SDRF/NDRF norms                         | 0           | 0           | 14.75    | 0          | 0          | 150.20    | 7.6        | 0         | 0         | 0           | 0       | 0                   |  |
|             | (ii) Outside the norms                             | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
|             | (iii) Total no. of beneficiaries                   | 0           | 0           | 51       | 0          | 0          | 29        | 6          | 0         | 0         | 0           | 0       | 0                   |  |
| (b)         | Ex-gratia payment for loss of a limb or eyes       |             |             |          |            |            |           |            |           |           |             |         |                     |  |
|             | (i) As per SDRF/NDRF norms                         | 0           | 0           | 0        | 0          | 0          | 0         | 0.275      | 0         | 0         | 0           | 0       | 0                   |  |
|             | (ii) Outside the norms                             | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
|             | (iii) Total no. of beneficiaries                   | 0           | 0           | 0        | 0          | 0          | 0         | 1          | 0         | 0         | 0           | 0       | 0                   |  |
| (c)         | Grievous injury requiring hospitalization          | · · · ·     |             |          |            |            |           |            |           |           |             |         |                     |  |
|             | (i) As per SDRF/NDRF norms                         | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
|             | (ii) Outside the norms                             | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
|             | (iii) Total no. of beneficiaries                   | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
| (d)         | Relief for the old, infirm and destitute, children |             |             |          |            |            |           |            |           |           |             |         |                     |  |
|             | (i) As per SDRF/NDRF norms                         | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
|             | (ii) Outside the norms                             | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |
|             | (iii) Total no. of beneficiaries                   | 0           | 0           | 0        | 0          | 0          | 0         | 0          | 0         | 0         | 0           | 0       | 0                   |  |

| (e) | Clothing and utensils/household goods f natural calamity | or families who | se hous | es have b   | een washed | away/fully  | / damage | d/severely inu | ndated for mo | ore than a | week due | e to a |          |
|-----|--|-----------------|---------|-------------|------------|-------------|----------|----------------|---------------|------------|----------|--------|----------|
|     | (i) As per SDRF/NDRF norms                               | 0               | 0       | 0           | 0          | 0           | 57.02    | 0              | 0.208         | 0          | 0        | 0      | 0        |
|     | (ii) Outside the norms                                   | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (iii) Total no. of beneficiaries                         | 0               | 0       | 0           | 0          | 0           | 2130     | 0              | 10            | 0          | 0        | 0      | 0        |
| (f) | Gratuitous relief for families in dire need              | of immediate s  | ustenar | nce after a | calamity   |             |          | L I            |               | <b>I</b>   |          |        |          |
|     | (i) As per SDRF/NDRF norms                               | 0               | 0       | 0           | 0          | 0           | 8.89     | 1464.956       | 0             | 0          | 0        | 0      | 0        |
|     | (ii) Outside the norms                                   | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (iii) Total no. of beneficiaries                         | 0               | 0       | 0           | 0          | 0           |          |                | 0             | 0          | 0        | 0      | 0        |
| 2   | Supplementary Nutrition                                  |                 |         | J           |            |             |          | L I            |               | <b>I</b>   |          |        |          |
|     | (i) As per SDRF/NDRF norms                               | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (ii) Outside the norms                                   | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (iii) Total no. of beneficiaries                         | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
| 3   | Assistance to Small and Marginal Farme                   | ers (SMF for    |         | <u>,</u>    |            |             |          | L              |               |            |          |        |          |
| (a) | Desilting of agriculture land                            |                 |         |             |            |             |          |                |               |            |          |        |          |
|     | (i) As per SDRF/NDRF norms                               | 0               | 0       | 0           | 0          | 0           | 0        | 86.14          | 0             | 0          | 0        | 0      | 0        |
|     | (ii) Outside the norms                                   | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (iii) Total eligibe area (ha.)                           | 0               | 0       | 0           | 0          | 0           | 0        | 1063.46        | 0             | 0          | 0        | 0      | 0        |
|     | (iv) No. of S&M farmers                                  |                 |         |             |            |             |          |                |               |            |          |        |          |
| (b) | Removal of debris on agricultural land in                | hilly areas     |         |             |            | · · · · · · |          |                |               |            |          |        |          |
|     | (i) As per SDRF/NDRF norms                               | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (ii) Outside the norms                                   | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (iii) Total eligible area (ha.)                          | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |
|     | (iv) No. of S&M farmers                                  |                 |         |             |            |             |          |                |               |            |          |        | <u> </u> |
| (c) | Desilting / Restoration/Repair of fish farr              | ns              |         | <u>,</u>    |            |             |          | L              |               |            |          |        |          |
|     | (i) As per SDRF/NDRF norms                               | 0               | 0       | 0           | 0          | 0           | 0        | 0              | 0             | 0          | 0        | 0      | 0        |

|     | (ii) Outside the norms                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|-----|--|-------------------|---------|------------|-----------------|--------|---|-------|---|-------|--|---|---|
|     | (iii) Total eligibe area (ha.)             | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iv) No. of S&M farmers                    |                   |         |            |                 |        |   |       |   |       |  |   |   |
| (d) | Loss of substantial portion of land caused | d by landslide, a | avaland | che, chang | ge of course of | rivers |   |       | I |       | I  | J |   |
|     | (i) As per SDRF/NDRF norms                 | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (ii) Outside the norms                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iii) Total eligibe area (ha.)             | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iv) No. of S&M farmers                    |                   |         |            |                 |        |   |       |   |       |  |   |   |
| (e) | Agriculture input subsidy where crop loss  | was 50% and       | above   | ų          |                 | ļ      | 1 |       | 4 | н<br> | L. L | ] |   |
|     | (i) As per SDRF/NDRF norms                 | 0                 | 0       | 0          | 35114.94        | 0      | 0 | 93.00 | 0 | 0     | 0  | 0 | 0 |
|     | (ii) Outside the norms                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iii) Total eligibe area (ha.)             | 0                 | 0       | 0          | 6,38,453        | 0      | 0 | 1550  | 0 | 0     | 0  | 0 | 0 |
|     | (iv) No. of S&M farmers                    |                   |         |            |                 |        |   |       |   |       |  |   |   |
| 4   | Input Subsidy to farmers other than Sma    | II & Marginal Fa  | armers  |            |                 |        |   |       |   |       |  | J |   |
|     | (i) As per SDRF/NDRF norms                 | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (ii) Outside the norms                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iii) Total eligibe area (ha.)             | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iv) No. of S&M farmers                    |                   |         |            |                 |        |   |       |   |       |  |   |   |
| 5   | Assistance to small and marginal sericult  | ure farmers       |         |            |                 |        |   |       | ¥ | i     |  |   |   |
|     | (i) As per SDRF/NDRF norms                 | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (ii) Outside the norms                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iii) Total area (ha.)                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (iv) No. of S&M farmers                    |                   |         |            |                 |        |   |       |   |       |  |   |   |
| 6   | Employment Generation                      | L                 |         |            |                 |        |   |       |   |       |  |   |   |
|     | (i) As per SDRF/NDRF norms                 | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |
|     | (ii) Outside the norms                     | 0                 | 0       | 0          | 0               | 0      | 0 | 0     | 0 | 0     | 0  | 0 | 0 |

|       | (iii) No. of man days generated                                   | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|-------|---|--------------|------------|-------------|-----------|---|---|------|-------|---|---|---|---|
|       | (iv) Quantum of food grains distributed as part of wage component |              |            |             |           |   |   |      |       |   |   |   |   |
| 7     | Animal Husbandry Assistance to small an                           | d marginal   | farmers/a  | gricultural | labourers |   |   |      |       |   |   |   |   |
| (i)   | Replacement of draught/milch animals or                           | animals us   | ed for hau | lage        |           |   |   |      |       |   |   |   |   |
|       | (i) As per SDRF/NDRF norms  | 0            | 0          | 0           | 0         | 0 | 0 | 2.78 | 0     | 0 | 0 | 0 | 0 |
|       | (ii) Outside the norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (iii) Total no. of beneficiaries                                  | 0            | 0          | 0           | 0         | 0 | 0 | 23   | 0     | 0 | 0 | 0 | 0 |
| (ii)  | Provisions of fodder/feed in cattle camps                         |              | ·          |             |           |   |   |      | · · · |   | · |   |   |
|       | (i) As per SDRF/NDRF norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (ii) Outside the norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (iii) No. of cattle camps   | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (iv) Number of cattle kept in camps                               | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (v) Qty. of fodder(qtls.) supplied in camp                        |              |            |             |           |   |   |      |       |   |   |   |   |
| (iii) | Water supply in Cattle Camps                                      |              | ·          |             |           |   |   |      | · ·   |   | · |   |   |
|       | (i) As per SDRF/NDRF norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (ii) Outside the norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (iii) Total no. of Tanker load                                    | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (iv) No. of cattle camps and cattle kept therein                  |              |            |             |           |   |   |      |       |   |   |   |   |
| (iv)  | Additional cost of medicines and vaccine                          | ( calamity r | elated req | uirements   | ;)        |   |   |      |       |   |   |   |   |
|       | (i) As per SDRF/NDRF norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (ii) Outside the norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
| (v)   | Supply of fodder outside Cattle Camps                             |              | ·          |             |           |   |   |      | · ·   |   | · |   |   |
|       | (i) As per SDRF/NDRF norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (ii) Outside the norms  | 0            | 0          | 0           | 0         | 0 | 0 | 0    | 0     | 0 | 0 | 0 | 0 |
|       | (iii) Total qty. of fodder transported (Qtls)                     |              |            |             |           |   |   |      |       |   |   |   |   |

| (vi) | Movement of useful cattle to other areas        |           |          |            |                 |           |            |            |     |   |   |   |   |
|------|---|-----------|----------|------------|-----------------|-----------|------------|------------|-----|---|---|---|---|
|      | (i) As per SDRF/NDRF norms                      | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                          | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (iii) No. of cattle moved                       |           |          |            |                 |           |            |            |     |   |   |   |   |
| 8    | Assistance to Fishermen                         |           |          |            |                 |           |            |            |     |   |   |   |   |
| (a)  | For repair/replacement of boats, nets (damag    | ed or los | st)      |            |                 |           |            |            |     |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                      | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                          | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
| (b)  | Input Subsidy for fish seed farm                |           |          |            |                 |           |            |            |     |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                      | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                          | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (iii) Total eligibe area (ha.)                  |           |          |            |                 |           |            |            |     |   |   |   |   |
|      | (iv) No. of fish farmers                        |           |          |            |                 |           |            |            |     |   |   |   |   |
| 9    | Assistance to artisans in handicrafts/handloor  | n sector  | s by way | of subsidy | / for repair/re | placement | of damaged | l equipmen | nts |   |   |   |   |
| (a)  | Traditional Crafts (Handicraft)                 |           |          |            |                 |           |            |            |     |   |   |   |   |
| (i)  | For replacement of damaged tools / equipme      | ents      |          |            |                 |           |            |            |     |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                      | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                          | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (iii) No. of equipments                         |           |          |            |                 |           |            |            |     |   |   |   |   |
|      | (iv) No. of beneficiaries                       |           |          |            |                 |           |            |            |     |   |   |   |   |
| (ii) | For loss of raw materials / goods in process/ f | inished   | goods    |            |                 |           |            |            |     |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                      | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                          | 0         | 0        | 0          | 0               | 0         | 0          | 0          | 0   | 0 | 0 | 0 | 0 |
|      | (iii) Qty. of materials (Qtls.)                 |           | _        |            |                 |           |            |            |     |   |   |   |   |
|      | (iv) No. of beneficiaries                       |           |          |            |                 |           |            |            |     |   |   |   |   |

| (b)  | For Handloom Weavers                         |               |          |             |           |   |        |         |   |   |   |   |   |
|------|--|---------------|----------|-------------|-----------|---|--------|---------|---|---|---|---|---|
| (i)  | Repairs/replacement of loom equipments a     | and accessor  | ies      |             |           |   |        |         |   |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                   | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                       | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (iii) No. of equipments/ accessories         |               |          |             |           |   |        |         |   |   |   |   |   |
|      | (iv) No. of beneficiaries                    |               |          |             |           |   |        |         |   |   |   |   |   |
| (ii) | Purchase of yam and other materials like of  | lyes and cher | micals a | and finishe | ed stocks |   |        |         |   |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                   | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                       | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (iii) Qty. of materials (Qtls.)              |               |          |             |           |   |        |         |   |   |   |   |   |
|      | (iv) No. of beneficiaries                    |               |          |             |           |   |        |         |   |   |   |   |   |
| 10   | Assistance for repair/ restoration of damage | ed houses     |          |             |           |   |        |         |   |   |   |   |   |
| (a)  | Fully damaged/ destroyed Pucca houses        |               |          |             |           |   |        |         |   |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                   | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                       | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (iii) Number                                 |               |          |             |           |   |        |         |   |   |   |   |   |
| (b)  | Fully damaged/ destroyed Kutcha houses       | ·             |          |             | <u>.</u>  |   |        |         |   |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                   | 0             | 0        | 0           | 0         | 0 | 137.24 | 215.40  | 0 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                       | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (iii) Number                                 | 0             | 0        | 0           | 0         | 0 | 915    | 1436    | 0 | 0 | 0 | 0 | 0 |
| (c)  | Severely damaged houses                      | · ·           |          | ,           |           |   |        |         |   |   |   |   |   |
| (i)  | Severely damaged Pucca houses                |               |          |             |           |   |        |         |   |   |   |   |   |
|      | (i) As per SDRF/NDRF norms                   | 0             | 0        | 0           | 0         | 0 | 0      | 140.112 | 0 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms                       | 0             | 0        | 0           | 0         | 0 | 0      | 0       | 0 | 0 | 0 | 0 | 0 |
|      | (iii) Number                                 | 0             | 0        | 0           | 0         | 0 | 0      | 2224    | 0 | 0 | 0 | 0 | 0 |

| (ii) | Severely damaged Kutcha houses   |               |         |           |        |   |             |         |        |   |   |   |   |
|------|--|---------------|---------|-----------|--------|---|-------------|---------|--------|---|---|---|---|
|      | (i) As per SDRF/NDRF norms   | 0             | 0       | 0         | 0      | 0 | 180.09<br>6 | 160.163 | 6.784  | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms   | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (iii) Number   | 0             | 0       | 0         | 0      | 0 | 5628        | 5072    | 212    | 0 | 0 | 0 | 0 |
| (d)  | Partially damaged houses ( both pucca ar   | nd kutcha)    |         |           |        |   |             |         |        |   |   |   |   |
|      | (i) As per SDRF/NDRF norms   | 0             | 0       | 0         | 0      | 0 | 81.928      | 5.881   | 11.932 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms   | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (iii) Number   | 0             | 0       | 0         | 0      | 0 | 4312        | 5006    | 628    | 0 | 0 | 0 | 0 |
| (e)  | Huts and Cattle shed damaged/ destroyed  | ł             |         |           |        |   |             |         |        |   |   |   |   |
|      | (i) As per SDRF/NDRF norms   | 0             | 0       | 0         | 0      | 0 | 68.596      | 50.564  | 29.954 | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms   | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (iii) Number   |               |         |           |        |   | 3662        | 2697    | 1597   | 0 | 0 | 0 | 0 |
| 11   | Provision of emergency supply of drinking  | water in rura | l areas | and urban | areas  |   |             |         |        |   |   |   |   |
|      | (i) As per SDRF/NDRF norms   | 0             | 0       | 0         | 432.11 | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (ii) Outside the norms   | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (iii) Total Qty. of water supplied ( No. of Tankers load)  |               |         |           |        |   |             |         |        |   |   |   |   |
| 12   | <ul> <li>(i) Provisions of medicines,</li> <li>disinfectants, insecticides for prevention</li> <li>of outbreak of epidemics</li> </ul> | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (ii) No. of beneficiaries  |               |         |           |        |   |             |         |        |   |   |   |   |
| 13   | <ul> <li>(i) Medical care for cattle and poultry<br/>against eqidemics as a sequel to a<br/>notified natural calamity</li> </ul>       | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (ii) Total No. of cattle & poultry benefited   |               |         |           |        |   |             |         |        |   |   |   |   |
|      | (i) Evacuation of people affected/ likely to be affected   | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
| 14   | (ii) No. of people evacuated   | 0             | 0       | 0         | 0      | 0 | 0           | 0       | 0      | 0 | 0 | 0 | 0 |
|      | (iii) Average cost/person  |               |         |           |        |   |             |         |        |   |   |   |   |

| 15  | Hiring of boats for carrying immediate relie | ef and savin | g life        |           |                |             |           |                 |                |     |     |   |   |
|-----|--|--------------|---------------|-----------|----------------|-------------|-----------|-----------------|----------------|-----|-----|---|---|
|     | (i) No. of boat days                         | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (ii) Average hiring cost per boat/day        |              |               |           |                |             |           |                 |                |     |     |   |   |
| 16  | Provisions for temporary accommodation,      | food, clothi | ng, medical   | care et   | c. of people   | affected/ e | evacuated | I (operation of | of relief camp | os) |     |   |   |
|     | (i) As per SDRF/NDRF norms                   | 0            | 0             | 0         | 0              | 0           | 0         | 1270.91         | 0              | 0   | 0   | 0 | 0 |
|     | (ii) Outside the norms                       | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (iii) No. of persons provided shelters       |              |               |           |                |             |           |                 |                |     |     |   |   |
|     | (iv) No. of relief camps opened              |              |               |           |                |             |           |                 |                |     |     |   |   |
|     | (v) Average cost per person/per day          |              |               |           |                |             |           |                 |                |     |     |   |   |
| 17  | Air dropping of essential supplies           |              |               |           |                |             |           | 1               |                |     | L L |   |   |
|     | (i) No. of sorties                           | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (ii) Quantity ( in MTs) dropped              |              |               |           |                |             |           |                 |                |     |     |   |   |
| 18  | Repair/restoration of immediate nature of    | the damage   | ed infrastruc | ture in e | eligible secto | rs          |           |                 |                |     |     |   |   |
| (a) | Roads & Bridges                              |              |               |           |                |             |           |                 |                |     |     |   |   |
|     | (i) As per SDRF/NDRF norms                   | 0            | 0             | 0         | 0              | 0           | 0         | 7748.889        | 0              | 0   | 0   | 0 | 0 |
|     | (ii) Outside the norms                       | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (iii) Cumulative length of roads repaired    |              |               |           |                |             |           |                 |                |     |     |   |   |
| (b) | Drinking water supply                        |              |               |           |                |             |           |                 |                |     | L L |   |   |
|     | (i) As per SDRF/NDRF norms                   | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (ii) Outside the norms                       | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (iii) Total no. of schemes                   |              |               |           |                |             |           |                 |                |     |     |   |   |
| (c) | Irrigation                                   |              |               |           |                |             |           | 1               |                |     | L L |   |   |
|     | (i) As per SDRF/NDRF norms                   | 0            | 0             | 0         | 5.00           | 0           | 0         | 5964.898        | 0              | 0   | 0   | 0 | 0 |
|     | (ii) Outside the norms                       | 0            | 0             | 0         | 0              | 0           | 0         | 0               | 0              | 0   | 0   | 0 | 0 |
|     | (iii) Total no. of schemes                   |              |               |           |                |             |           |                 |                |     |     |   |   |

| (d) | Power supply ( only limited to immediate r  | estoration c | of electricity | supply   | in the affecte | d areas) |          |        |   |   |   |   |   |
|-----|---|--------------|----------------|----------|----------------|----------|----------|--------|---|---|---|---|---|
|     | (i) As per SDRF/NDRF norms  | 0            | 0              | 0        | 0              | 0        | 0        | 500.00 | 0 | 0 | 0 | 0 | 0 |
|     | (ii) Outside the norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
| (e) | Primary Education   |              |                |          |                |          |          |        |   |   |   |   |   |
|     | (i) As per SDRF/NDRF norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (ii) Outside the norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (iii) No. of primary school buildings repaired  |              |                |          |                |          |          |        |   |   |   |   |   |
| (f) | Primary Health Centre   |              |                |          |                |          |          |        |   |   |   |   |   |
|     | (i) As per SDRF/NDRF norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (ii) Outside the norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (iii) No. of Primary Health Centres buildings repaired  |              |                |          |                |          |          |        |   |   |   |   |   |
| (g) | Community assets owned by Panchayats  | ;            |                |          |                |          |          |        |   |   |   |   |   |
|     | (i) As per SDRF/NDRF norms  | 0            | 0              | 0        | 0              | 0        | 0        | 186.17 | 0 | 0 | 0 | 0 | 0 |
|     | (ii) Outside the norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (iii) No. of community assets repaired  |              |                |          |                |          |          |        |   |   |   |   |   |
| 19  | Replacement of damaged medical<br>equipments and lost medicines of Govt.<br>Hospitals/ Health centres | 0            | 0              | 0        | 0              | 0        | 0        | 4.21   | 0 | 0 | 0 | 0 | 0 |
| 20  | Operational cost ( of POL only) for Ambula  | ance Servic  | e, Mobile M    | edical 7 | Feams and T    | emporary | Dispensa | ries   |   |   |   |   |   |
|     | (i) As per SDRF/NDRF norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (ii) Outside the norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
| 21  | Cost of clearance of debris   |              | L              |          |                |          |          |        |   |   |   |   |   |
|     | (i) As per SDRF/NDRF norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
|     | (ii) Outside the norms  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |
| 22  | Draining off flood water in affected areas  | 0            | 0              | 0        | 0              | 0        | 0        | 0      | 0 | 0 | 0 | 0 | 0 |

| 23 | Cost of search and rescue measures            |             |            |            |                |            |            |                |              |           |           |         |      |
|----|---|-------------|------------|------------|----------------|------------|------------|----------------|--------------|-----------|-----------|---------|------|
|    | (i) As per SDRF/NDRF norms                    | 0           | 0          | 0          | 0              | 0          | 0          | 522.016        | 0            | 0         | 0         | 0       | 0    |
|    | (ii) Outside the norms                        | 0           | 0          | 0          | 0              | 0          | 0          | 0              | 0            | 0         | 0         | 0       | 0    |
| 24 | Disposal of dead bodies/ carcasses            |             |            |            |                |            |            |                |              |           |           |         |      |
|    | (i) As per SDRF/NDRF norms                    | 0           | 0          | 0          | 0              | 0          | 0          | 0              | 0            | 0         | 0         | 0       | 0    |
|    | (ii) Outside the norms                        | 0           | 0          | 0          | 0              | 0          | 0          | 0              | 0            | 0         | 0         | 0       | 0    |
|    | (iii) Total no. of dead bodies disposed       |             |            |            |                |            |            |                |              |           |           |         |      |
|    | (iv) Total no. of carcasses disposed          |             |            |            |                |            |            |                |              |           |           |         |      |
| 25 | Training to specialist multi-disciplinary gro | oups/ teams | of the Sta | ate persor | nnel drawn fro | om differe | ent cadres | / services/ pe | rsonnel invo | lved in m | anagement | of disa | ster |
|    | (i) No. of training organized                 | 0           | 0          | 0          | 0              | 0          | 0          | 0              | 0            | 0         | 0         | 0       | 0    |
|    | (ii) No. of persons trained                   | 0           | 0          | 0          | 0              | 0          | 0          | 0              | 0            | 0         | 0         | 0       | 0    |
| 26 | Procurement of essential Search, Rescue       | e and Evacu | ation equ  | ipments ir | ncluding Com   | municatio  | on equipm  | ents           |              |           | L         |         |      |
|    | Cost of equipments procured                   | 0           | 0          | 0          | 0              | 0          | 0          | 383.23         | 0            | 0         | 0         | 0       | 0    |
|    | GROSS TOTAL                                   |             |            | 14.75      | 35552.05       |            | 683.97     | 18190.00       | 48.878       |           |           |         |      |