

## Chapter-III

### Drought - 2004

The state also experienced moderate drought in some parts during the year-2004. Some districts in the State had received inadequate and deficient rainfall during 2004 monsoon period. As a result the Kharif crop both in irrigated and non-irrigated lands became affected by drought like situation. The month-wise rainfall due to south-west monsoon and its district-wise deviation is narrated below.

#### a) May, 2004

- **28 Districts having Deviation (- 30% to -50 %)**
  - Angul (-37.5), Bargarh(-100.0), Bhadrak(-57.4), Bolangir (-58.2), Boudh (-37.6), Cuttack (-58.9), Deogarh (-41.6), Dhenkanal(-61.2), Gajapati (-60.8), Ganjam(-79.2), Jagatsinghpur(-81.9), Jajpur(-47.2), Jharsuguda(-91.6), Kandhamal (-52.2), Kendrapara (-72.3), Keonjhar (-62.7), Khordha (-74.0), Koraput (-35.6), Malkangiri (-59.2), Mayurbhanj (-48.5), Nawarangpur (-49.1), Nayagarh (-69.7), Nuapada (-88.7), Puri (-61.6), Rayagada (-52.4), Sambalpur (-99.3), Sonapur (-42.7) & Sundargarh (-97.8).
- **2 Districts having Deviation (- 20% to -30%)**
  - Balasore (-26.0) & Kalahandi (-29.2)

Average Rainfall deviation of the State for the month of May-2004 is **-62.3%** which indicates pre-monsoon rain was quite deficient in the state.

#### b) June, 2004

- **11 Districts having Deviation (- 30% to -50 %)**
  - Angul (-36.8), Deogarh (-62.1), Dhenkanal (-30.5), Ganjam (-50.4), Jagatsinghpur (-56.0), Jharsuguda (-39.7), Khordha (-54.8), Puri (-61.6), Sambalpur (-47.0), Sonapur (-30.1) & Sundargarh (-52.1).
- **2 Districts having Deviation (- 20% to -30%)**
  - Cuttack (-26.8) & Nayagarh (-28.7)
- **6 Districts having Deviation (- 20% or Below)**
  - Bargarh(-12.5), Bhadrak (-5.5), Jajpur (-12.3), Kendrapara (-19.1), Keonjhar (-15.4) & Mayurbhanj (-11.4)
- **11 Districts having rainfall more than Normal**

- Balasore (+19.3), Bolangir (+33.3), Boudh (+0.1), Gajapati (+0.4), Kalahandi (+97.7), Kandhamal (+9.1), Koraput (+60.5), Malkangiri (+98.3), Nawarangpur (+98.2), Nuapada (+11.9) & Rayagada (+17.7)

Average Rainfall deviation of the State for the month of June-2004 is **-5.4%**

**c) July, 2004**

- **8 Districts having Deviation (- 30% to -50 %)**
  - Deogarh (-44.3), Jagatsinghpur (-30.4), Jharsuguda (-34.8), Kendrapara (-31.3), Keonjhar (-33.6), Mayurbhanj (-50.0) Nuapada (-35.7), & Sundargarh (-31.9).
- **1 District having Deviation (- 20% to -30%)**
  - Bargarh (-28.7)
- **11 Districts having Deviation (- 20% or Below)**
  - Balasore (-2.0), Bolangir (-14.4), Cuttack (-14.1), Dhenkanal (-13.2), Jajpur (-10.2), Khordha (-6.0), Koraput (-5.6), Malkangiri (-12.5), Puri (-16.4), Rayagada (-2.7) & Sambalpur (-17.5)
- **10 Districts having rainfall more than Normal**
  - Angul (+13.7), Bhadrak (+4.1), Boudh (+30.6), Gajapati (+33.8), Ganjam (+17.9), Kalahandi (+19.9), Kandhamal (+3.1), Nawarangpur (+11.0), Nayagarh (+36.6) & Sonepur (+2.6)

Average Rainfall deviation of the State for the month of July-2004 is **-6.9%**

**d) August, 2004**

- **7 Districts having Deviation (- 30% to -50 %)**
  - Bolangir (-36.4), Dhenkanal (-31.7), Gajapati (-33.2), Ganjam (-28.3), Nayagarh (-30.7), Nuapada (-47.4) & Sonepur (-36.4)
- **3 Districts having Deviation (- 20% to -30%)**
  - Bargarh (-23.1), Kandhamal (-23.8) & Rayagada (-26.8)
- **7 Districts having Deviation (- 20% or Below)**
  - Bhadrak (-1.8), Boudh (-6.5), Deogarh (-16.7), Jagatsinghpur (-4.6), Keonjhar (-4.3), Khordha (-19.4) & Koraput (-10.5)
- **10 Districts having rainfall more than Normal**
  - Angul (+25.2), Balasore (+19.6), Cuttack (+13.9), Jajpur (+17.7), Jharsuguda (+28.8), Kalahandi (+31.0), Kendrapara (+33.7), Malkangiri (+6.3), Mayurbhanj (+5.7), Nawarangpur (+0.4), Sambalpur (+25.3) & Sundargarh (+0.7)

Average Rainfall deviation of the State for the month of August-2004 is **-0.3%**

e) **September, 2004**

- **21 Districts having Deviation (- 30% to -50 %)**
  - Angul (-43.5), Bargarh (-59.9), Bolangir (-55.8), Boudh (-46.6), Deogarh (-61.1), Dhenkanal (-48.5), Gajapati (-39.0), Ganjam (-47.3), Jagatsinghpur (-37.7), Jharsuguda (-51.8), Keonjhar (-41.5), Khordha (-41.1), Koraput (-39.4), Malkangiri (-33.7), Nayagarh (-52.5), Nuapada (-54.6), Puri (-39.9), Rayagada (-62.3), Sambalpur (-37.5), Sonepur (-47.7) & Sundargarh (-44.1).
- **3 Districts having Deviation (- 20% to -30%)**
  - Jajpur (-22.1), Kalahandi (-24.8) & Kandhamal (-21.6)
- **6 Districts having Deviation (- 20% or Below)**
  - Balasore (-4.8), Bhadrak (-18.9), Cuttack (-8.3), Kendrapara (-11.6), Mayurbhanj (-12.8) & Nawarangpur (-15.0)

Average Rainfall deviation of the State for the month of September-2004 is **-37.3%**.

f) **October, 2004**

- **1 Districts having Deviation (- 30% to -50 %)**
  - Boudh (-36.3)
- **4 Districts having Deviation (- 20% or Below)**
  - Deogarh (-5.5), Keonjhar (-9.8), Nuapada (-14.0) & Sundargarh (-13.3).
- **25 Districts having rainfall more than Normal**
  - Angul (+9.3), Balasore (55.6), Bargarh (+1.1), Bhadrak (+26.5), Bolangir (+31.1), Cuttack (+92.8), Dhenkanal (+53.1), Gajapati (+59.5), Ganjam (+13.3), Jagatsinghpur (+73.9), Jajpur (+71.1), Jharsuguda (+56.5), Kalahandi (+64.7), Kandhamal (+63.4), Kendrapara (+96.9), Khordha (+36.0), Koraput (+23.6), Malkangiri (+58.3), Mayurbhanj (+36.6), Nawarangpur (+24.4), Nayagarh (+19.2), Puri (+28.7), Rayagada (+46.4), Sambalpur (+12.3) & Sonepur (38.4).

Average Rainfall deviation of the State for the month of October-2004 is **-23.3%**.

g) **Cumulative Rainfall Position**

The District wise deviation of cumulative Rainfall from May to October during monsoon 2004 was as follows.

- **2 Districts having Deviation (- 30% to -50 %)**
  - Deogarh (-39.6) & Nuapada (-34.0)
- **9 Districts having Deviation (- 20% to -30%)**
  - Bargarh (-29.7), Dhenkanal (-24.2), Ganjam (-23.2), Jagatsinghpur (-21.7), Keonjhar (-24.9), Khordha (-21.6), Puri (-25.1), Sonepur (-22.5) & Sundargarh (-28.1).
- **13 Districts having Deviation (- 20% or Below)**

- Angul (-3.9), Bhadrak (-4.7), Bolangir (-18.6), Boudh (-6.6), Gajapati (-3.1), Jharsuguda (-16.4), Kandhamal (-4.5), Koraput (-2.7), Mayurbhanj (-17.1), Nayagarh (-14.0), Rayagada (-16.1) & Sambalpur (-12.8).
- **6 Districts having rainfall more than Normal**
  - Balasore (+11.1), Jajpur (+0.5), Kalahandi (+30.9), Kendrapara (+0.6), Malkangiri (+8.5) & Nawarangpur (+14.4).

Average Cumulative Rainfall deviation of the State from May to October-2004 is **-10.3%**.

Generally 58 lakh hectares of land is used for Kharif cultivation in the state. Out of which, 42 lakh hectares are used for paddy cultivation and the rest 16 lakh hectares for non paddy and other crops. Normally by end of July 28.51 lakh hectares of land is covered by paddy cultivation. By the end of September'04, the state has recorded coverage of 37.58 lakh hectares of paddy cultivation. Paddy transplantation has been made in 17.02 lakh hect with 19.40 lakh hect of land beushaned, where paddy sowing (Broadcasting) done.

After crop cutting experiment it was observed that in some pockets of the state, there was a crop loss of 50% or more for Kharif crop due to inadequate and deficient rainfall. On the basis of the crop cutting experiment reports of the Collectors the state Government had declared 1615 villages under 40 blocks and 10 wards under 5 ULBs of 10 districts (**Angul, Bargarh, Bolangir, Deogarh, Ganjam, Jharsuguda, Puri, Sambalpur, Sonapur and Sundargarh**) as drought affected areas having sustained crop loss of 50% and above during the year, 2004 (Kharif). The declaration of drought has been made by the Government vide notification no. 15481 dt. 11.04.05. The district-wise crop loss figure is given at **Table-7**.

## Interventions

- a) Under the Chairmanship of Hon'ble Chief Minister a review meeting was taken on 30.6.04 to assess the crop situation with a direction to concerned Department for taking appropriate steps.
- b) Under the Chairmanship of Hon'ble Minister, Revenue a series of meetings were held on 28.6.04, 15.7.04 and 20.7.04 to take the stock of the situation.
- c) Under the Chairmanship of Agriculture Production Commissioner, a crop weather watch group had conducted weekly review meeting to monitor the situation and issued instructions to Collectors for appropriate action.

- d) In order to tide over the situation resulting out of scanty and inadequate rainfall in the initial Kharif period, instructions for taking up all precautionary measures were issued to Collectors to save the standing crops.
- e) The Government had directed the Water Resources Department to irrigate the Crop land from small and medium water reservoir.
- f) 1593 defunct LIPs were repaired within Rs. 5000/- each and 108 nos. LIPs @ Rs. 10000/-. The district-wise details of revival LIPs are shown in **Table-8 and 9**.
- g) For renovation of MIPs a sum of Rs. 50.00 lakh had been provided to Water Resources Department.
- h) All the Districts had been provided with seeds.
- i) All Collectors had been instructed to provide Food Assistance through Cards so that food security is ensured in distress pockets.
- j) An amount of Rs.99.06 lakh had been provided towards input subsidy for the affected farmers.

**NO. OF VILLAGES HAVING CROSSLSS OF 50% AND ABOVE  
KHARIF-2004**

Sl.No	Name of the District	No. of Blocks/ULBs in the District		No. of Blocks/ULBs affected		No of GPs in the District	No. of G.Ps containing affected villages	No of villages in the District	No. of villages sustained croploss								Total		G. Total	Remarks
									Non-irrigated				Irrigated				Village	Ward		
		50% to 74%		75% above					50% to 74%		75% above									
		Village	Ward	Village	Ward				Village	Ward	Village	Ward	Village	Ward	18	19				
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	20	21				
1	Angul	8	3	2		209	6	1910	18	0	0	0	0	0	0	18	0	18		
2	Balasore	12	4			289		2952								0	0	0	No croploss above 50%	
3	Bargarh	12	3	4		248	15	1207	43	0	1	0	0	0	0	44	0	44		
4	Bhadrak	7	2			193		1311								0	0	0	No croploss above 50%	
5	Bolangir	14	4	4		285	33	1794	95	0	0	0	0	0	0	95	0	95		
6	Boudh	3	1			63		1186								0	0	0	No croploss above 50%	
7	Cuttack	14	4			342		1950								0	0	0	No croploss above 50%	
8	Deogarh	3	1	1		60	7	875	7	0	0	0	0	0	0	7	0	7		
9	Dhenkanal	8	3			199		1215								0	0	0	No croploss above 50%	
10	Gajapati	7	2			129		1619								0	0	0	No croploss above 50%	
11	Ganjam	22	18	18	4	475	146	3212	175	3	218	1	373	1	77	10	843	15	858	
12	Jagatsinghpur	8	2			194		1288								0	0	0	No croploss above 50%	
13	Jajpur	10	2			280		1778								0	0	0	No croploss above 50%	
14	Jharsuguda	5	3	1		78	18	348	45	0	0	0	6	0	0	51	0	51		
15	Kalahandi	13	3			273		2236								0	0	0	No croploss above 50%	
16	Kandhamal	12	2			153		2546								0	0	0	No croploss above 50%	
17	Kendrapara	9	2			230		1540								0	0	0	No croploss above 50%	
18	Keonjhar	13	4			286		2122								0	0	0	No croploss above 50%	
19	Khurda	10	5			168		1551								0	0	0	No croploss above 50%	
20	Koraput	14	4			226		2028								0	0	0	No croploss above 50%	
21	Malkangiri	7	2			108		1045								0	0	0	No croploss above 50%	
22	Mayurbhanj	26	4			382		3950								0	0	0	No croploss above 50%	
23	Nawarangpur	10	2			169		901								0	0	0	No croploss above 50%	
24	Nayagarh	8	2			179		1695								0	0	0	No croploss above 50%	
25	Nupapara	5	2			109		663								0	0	0	No croploss above 50%	
26	Puri	11	4	1		230	20	1715	87	0	24	0	0	0	0	111	0	111		
27	Raygada	11	3			171		2667											No croploss above 50%	
28	Sambalpur	9	5	6	1	148	26	1322	33	1	2	0	0	0	0	35	1	36		
29	Subarnapur	6	3	2		96	20	959	191	0	0	0	0	0	0	191	0	191		
30	Sundargarh	17	4	3		262	24	1764	202	0	12	0	6	0	0	220	0	220		
<b>GRAND TOTAL</b>		<b>314</b>	<b>103</b>	<b>42</b>	<b>5</b>	<b>6234</b>	<b>315</b>	<b>51349</b>	<b>896</b>	<b>4</b>	<b>257</b>	<b>1</b>	<b>385</b>	<b>1</b>	<b>77</b>	<b>10</b>	<b>1615</b>	<b>16</b>	<b>1631</b>	

[Table-7]

Position of Repair of LIPs within Rs.5000/- as on 31.03.2005							
Sl. No.	Name of the District	No. of LIPs proposed to be repaired within Rs. 5000/-	Estimated cost of repair	Amount released by Collector		Nos. repaired	Remarks
				(Rs. In lakhs)			
				Number	Amount		
1	Balasore	168	8.4	168	8.4	168	
2	Bhadrak	201	10.05	201	10.05	190	
3	Jagatsinghpur	112	5.6	112	5.6	112	
4	Cuttack						
5	Jajpur	138	6.9	138	6.9	138	
6	Kendrapara	235	11.75	235	11.75	199	
7	Puri	40	2	40	2	40	
8	Khordha	55	2.75	55	2.75	55	
9	Nayagarh	60	3	36	1.8	36	
10	Mayurbhanj	104	5.2	104	4.97	104	
11	Dhenkanal	60	5.23	41	3	41	
12	Angul	51	2.55	25	1.2	25	
13	Keonjhar	24	1.2	24	1.2	24	
14	Sambalpur	10	0.5	10	0.5	10	
15	Bargarh	28	1.4	28	1.362	28	
16	Jharsuguda	7	0.35	7	0.35	6	
17	Deogarh	5	0.25	3	0.15	3	
18	Sundargarh	38	1.9	0	0	38	
19	Rayagada	0	2.8	0	0	0	
20	Ganjam	155	7.75	155	7.75	155	
21	Gajapati	21	1.05	21	1.05	21	
22	Kandhamal	17	0.85	17	0.85	17	
23	Boudh						
24	Kalahandi	60	3	63	3.15	63	
25	Nuapada	40	2	15	0.75	15	

26	Bolangir	52	2.26	52	2.257	52	
27	Sonepur	53	2.65	53	2.65	53	
28	Koraput						
29	Nawarangpur						
30	Malkangiri						
<b>Total</b>		<b>1734</b>	<b>91.39</b>	<b>1603</b>	<b>80.439</b>	<b>1593</b>	

[Table-8]

**Position of Repair of LIPs within Rs.5000/- to Rs.10000/- and above and Handed over to Pani Panchayata as on 31.03.2005**

Sl. No.	District	No. of LIPs Proposed to be repaired		Estimated cost repair for projects		Amount released by Collector for col. 4	Nos. repaired out of col.4
		within Rs. 5000/- to Rs. 10000/-	more then Rs. 10000/-	within Rs. 5000/- to Rs. 10000/-	more then Rs. 10000/-		
1	Balasore	75	128	6.13	15.43	1.826	22
2	Bhadrak	0	14		1.65		
3	JS Pur	7	2	0.8	14.64		
4	Cuttack	8	73	0.7	12.04		
5	Jajpur	0	76		11.68		
6	Kendrapara	0	0				
7	Puri	0	12		1.8		
8	Khordha	9	16	0.9	3.27		
9	Nayagarh	12	40	1.13	13.56		
10	Mayurbhanj	43	15	4.22	2.75	4.22	43
11	Rayagada	0	18		7.2		
12	Gajapati	6	0	0.5		0.5	6
13	Ganjam	0	0				
14	Kandhamal	0	33		96.34		
15	Boudh	0	0				
16	Dhenkanal	0	0				

17	Angul	0	0				
18	Keonjhar	0	9	1.35			
19	Sambalpur	0	1		0.15		
20	Bargarh	0	0				
21	Jharsuguda	0	0				
22	Deogarh	7	0	0.74		0.7	7
23	Sundargarh	0	0				
24	Koraput	0	0				
25	Nawarangpur	0	0				
26	Malkangiri	0	0				
27	Kalahandi	58	0	0.8			
28	Nuapada	0	0				
29	Bolangir	30	0	1.78		1.784	30
30	Sonepur	0	7		1.05		
<b>Total</b>		<b>255</b>	<b>444</b>	<b>19.05</b>	<b>181.56</b>	<b>9.03</b>	<b>108</b>

[Table-9]

### Assistance from Government of India

The State Government had informed Government of India about moisture stress condition on 19.7.04 and 23.7.04 with a request to provide 2.00 LMT of food grain (balance requirement for flood'03) for FFWP. Further the Government of India had also been intimated to sanction a tune of Rs. 29.85 crore towards matching cash component.

On the request of State Government, Government of India has sanctioned and released 1.00 LMT of food grain for FFWP in the flood-affected districts of 2003.

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