

## **Monsoon and Sowing: Update**

India has been witnessing deficient rainfall in the month of August and it stands at 32% below LPA compared with a 13% (above LPA) surplus rainfall received back in July. Against this, for the cumulative period, rainfall is down by 8% below LPA (6% below LPA in the previous week) compared with a surplus of 7% (above LPA) for last year. Overall Kharif sowing has inched up marginally with much higher acreage in rice. However, pulses sown area continue to lag for the same period. Below normal rains has been witnessed in Central, Southern Peninsula and Eastern region. The impact of this scanty rainfall is likely to be reflected through higher prices in the coming months.

### **Where does Kharif sowing stand?**

As of 25 Aug 2023, the overall Kharif sowing area has improved by 0.3% (0.1% in the previous week) compared with last year. Rice sown area has advanced further by 4.4% followed by higher sowing for coarse cereals (up by 1.1%) and Sugarcane (0.8%). Acreage of pulses has declined by (-) 8.3% led by lower sowing of Arhar (-5.1%) and urad (-13.8%) compared with last year. Oilseeds and cotton has logged in lower sowing area, with the exception of soybean and castor which has registered some improvement amongst oilseeds. Jute and Mesta (-5.6%) continue to record lower acreage than last year.

**Table 1: Kharif Sowing**

	Area sown in 2023-24 (Lakh ha)	Area sown in 2022-23 (Lakh ha)	Change (YoY %)
Coarse Cereals	178.3	176.3	1.1
Jowar	13.8	15.0	(7.7)
Bajra	70.0	69.3	1.0
Maize	82.1	80.0	2.6
Rice	384.1	367.8	4.4
<b>Pulses</b>	<b>117.4</b>	<b>128.1</b>	<b>(8.3)</b>
Oilseeds	188.6	190.4	(0.9)
<b>Cotton</b>	<b>122.6</b>	<b>124.8</b>	<b>(1.8)</b>
Sugarcane	56.1	55.6	0.8
<b>Jute and Mesta</b>	<b>6.6</b>	<b>7.0</b>	<b>(5.6)</b>
All Crops	1053.6	1050.0	0.3

Source: CEIC, Bank of Baroda | Data as of 25 Aug 2023

### **Monsoon:**

For the period 1 Jun 2023 to 28 Aug 2023, South West Monsoon is 8% below LPA compared with last year.

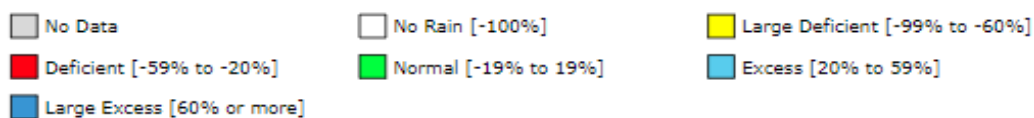
- Most of the states across the country have been receiving normal rainfall. States such as Gujarat and Himachal Pradesh are on the receiving end of excessive rainfall during this period

- On the other hand, states such as Bihar, Karnataka, Kerala, Jharkhand, Manipur, Tripura and Mizoram have been receiving deficient rainfall.
- In the coming days, IMD expects subdued rainfall in the large part of the country with the exception of Assam, Meghalaya and Arunachal Pradesh that will receive surplus rainfall.

**Fig 1: Distribution pattern of South-West Monsoon**

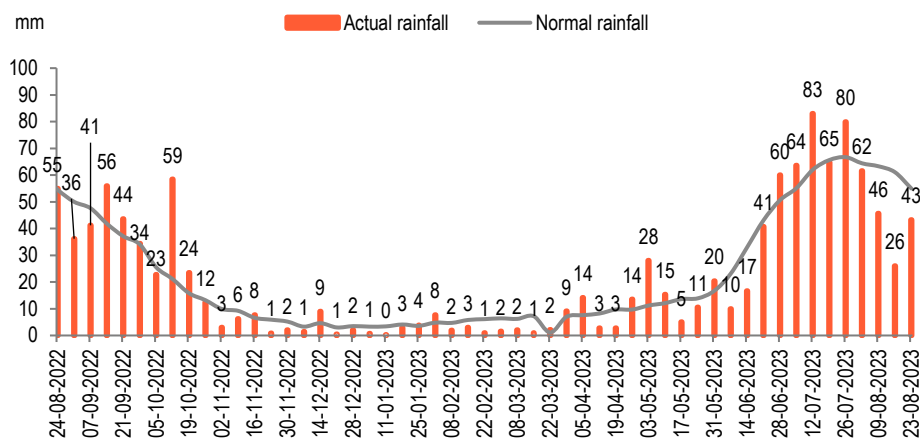


Source: IMD, Bank of Baroda Research | Period from 1 Jun-28 Aug 2023.



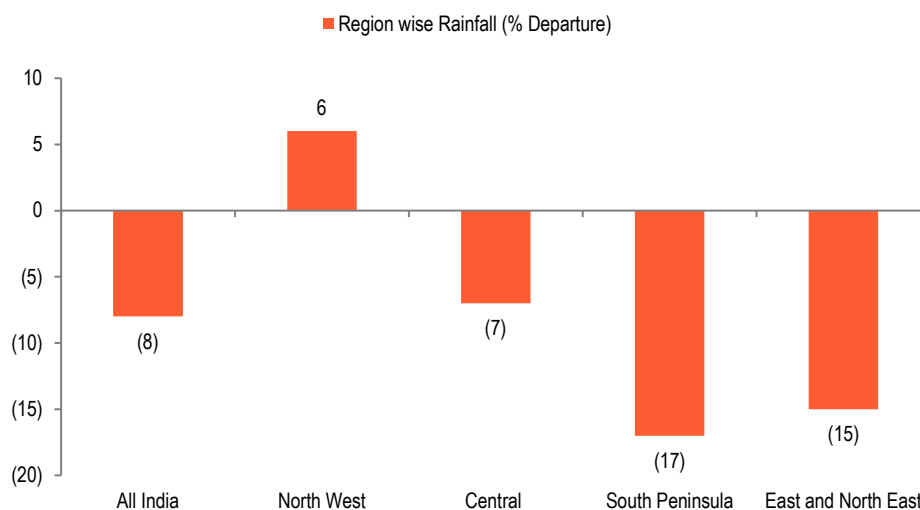
In Fig2, actual rainfall this year continues to be comparatively less than last year (43mm versus 55mm). It also is far lower than the normal rainfall. Fig 3, explains regions wise distribution of rainfall. With the exception of North Western region (6% above LPA), all the other region continue to receive deficient rainfall, including Southern Peninsula (17% below LPA), East and North eastern region (15% below LPA) and Central Region (7% below LPA).

**Fig 2: Weekly distribution of rainfall**



Source: CEIC, Bank of Baroda

**Fig 3: Region-wise deviation of rainfall**



Source: CEIC, Bank of Baroda

In the table 2, mentioned below, for cumulative period ranging from 1 Jun-28 Aug'23, over 10 subdivision (out of 36) have received lower rainfall, tad higher than 9 subdivisions in the last week. During the same period, there are 7 states that continue to remain in the deficient zone.

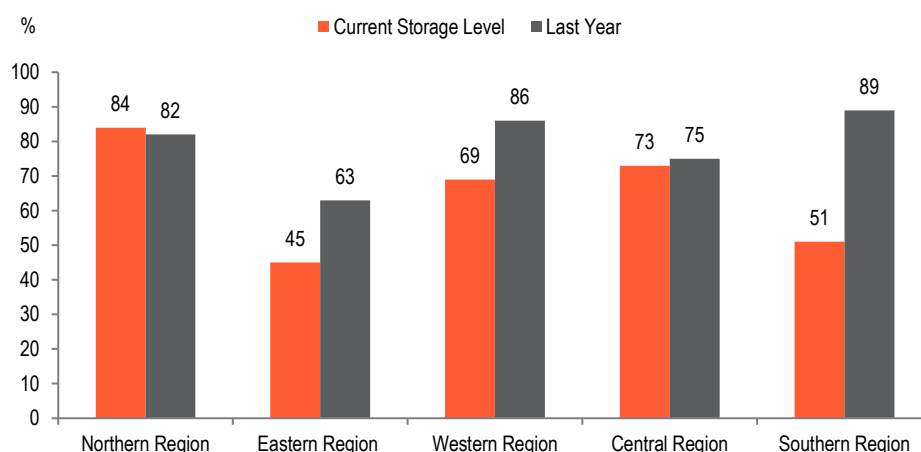
In terms of storage (Fig 4), the reservoir level as a % of total capacity stands at 64% as on 24 Aug 2023 compared with 81% for the last season. Total live storage available in 146 reservoirs stands at 79% of storage of last year and 94% of average storage for last 10 years. Region wise, it's only the Northern region that has registered highest reservoir levels (88% against 73% last year). Other regions such as Central (73% versus 75% last year), Western (69% versus 86%) along with Eastern region (45% versus 63%) and Southern region (51% against 89%) have lower reservoir level this year compared with last year.

**Table2: Subdivision wise distribution of Rainfall**

Period (1 Jun 2023-28 Aug 2023)	No. of Subdivisions	Sub-division % area of Country
Large Excess	1	3%
Excess	2	8%
Normal	23	65%
Deficient	10	24%
Large Deficient	0	0%
No Rain	0	0%

Source: IMD, Bank of Baroda

**Fig 4: Reservoir level across regions**



Source: Central Water Commission, Bank of Baroda

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