

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION No. 4446
TO BE ANSWERED ON WEDNESDAY, DECEMBER 14, 2016**

MONSOON SEASON

4446. SHRI AJAY NISHAD:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether monsoon season in the country falls between May and September;**
- (b) if not, the State-wise assessment of Government in this regard;**
- (c) the average rainfall during each of the months from May to September in respect of percentage of total monsoon rainfall in the country, State-wise; and**
- (d) the details of monsoon rainfall recorded in the country during the last three and the current monsoon season, State-wise?**

ANSWER

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)**

- (a-b) No Madam. Monsoon season in the country is defined to be between June and September. However, considering the date of onset and the date of withdrawal of southwest monsoon, different states may have different duration of southwest monsoon in a year.**
- (c) The average monthly rainfall from June to September as percentage of monsoon rainfall for all the states of the country is given at Annexure-I. Certain States receive rainfall during the month of May also, which is not considered as monsoon rainfall. For the purpose of comparison of rainfall received in May, the % of May rainfall is separately shown as % of total monsoon rainfall.**
- (d) State wise monsoon rainfall statistics for the years from 2013 to 2016 is given at Annexure-II.**

Annexure-1**AVERAGE MONTHLY RAINFALL AS PERCENTAGE OF MONSOON RAINFALL ***

* PERCENTAGE FOR EACH MONTH ARE COMPUTED W.R. TO MONSOON RAINFALL (JUNE TO SEPTEMBER)

S.NO.	STATES	MAY	JUNE	JULY	AUG.	SEPT.
1	A & N ISLAND (UT)	21%	26%	24%	24%	26%
2.	ARUNACHAL PRADESH	17%	28%	30%	20%	21%
3.	ASSAM	20%	28%	30%	23%	19%
4.	MEGHALAYA	16%	28%	33%	22%	17%
5.	NAGALAND	16%	26%	30%	27%	17%
6.	MANIPUR	13%	30%	27%	24%	19%
7.	MIZORAM	19%	25%	27%	26%	22%
8.	TRIPURA	26%	31%	28%	24%	18%
9.	SIKKIM	19%	27%	27%	24%	21%
10.	WEST BENGAL	9%	22%	30%	26%	23%
11.	ODISHA	6%	19%	29%	31%	21%
12.	JHARKHAND	4%	18%	31%	29%	22%
13.	BIHAR	5%	16%	33%	28%	22%
14.	UTTAR PRADESH	2%	11%	33%	35%	21%
15.	UTTARAKHAND	5%	14%	35%	35%	17%
16.	HARYANA	3%	10%	36%	37%	17%
17.	CHANDIGARH (UT)	4%	14%	33%	34%	18%
18.	DELHI	3%	9%	35%	39%	17%
19.	PUNJAB	3%	9%	38%	35%	19%
20.	HIMACHAL PRADESH	8%	12%	37%	34%	17%
21.	JAMMU & KASHMIR	14%	12%	36%	35%	17%
22.	RAJASTHAN	3%	11%	37%	36%	16%
23.	MADHYA PRADESH	1%	12%	33%	35%	19%
24.	GUJARAT	1%	16%	38%	29%	17%
25.	DADRA & NAGAR HAVELI (UT)	0%	16%	39%	29%	16%
26.	DAMAN & DIU (UT)	0%	18%	39%	28%	15%
27.	GOA	3%	30%	37%	23%	9%
28.	MAHARASHTRA	2%	20%	34%	28%	18%
29.	CHHATISGARH	2%	16%	33%	32%	19%
30.	ANDHRA PRADESH	12%	18%	26%	27%	29%
31.	TELANGANA	4%	18%	32%	29%	21%
32.	TAMILNADU	21%	14%	21%	28%	37%
33.	PUDUCHERRY (UT)	11%	13%	21%	32%	33%
34.	KARNATAKA	10%	24%	33%	24%	19%
35.	KERALA	12%	32%	36%	21%	12%
36.	LAKSHADWEEP (UT)	17%	33%	29%	22%	16%
COUNTRY AS A WHOLE		7%	18%	33%	29%	20%

STATE-WISE MONSOON RAINFALL (MM)(JUNE TO SEPTEMBER) FOR 2013 TO 2016

S. NO.	STATES	Monsoon-2013				Monsoon-2014				Monsoon-2015				Monsoon-2016			
		ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.	ACTUAL	NORMAL	% DEP.	CAT.
1	A & N ISLAND(UT)	2152.1	1682.5	28%	E	1618.7	1682.5	-4%	N	1678.5	1682.5	0%	N	1562.6	1682.5	-7%	N
2.	ARUNACHAL PRADESH	1165.9	1768.0	-34%	D	1750.8	1768.0	-1%	N	1762.6	1768.0	0%	N	1699.1	1768.0	-4%	N
3.	ASSAM	1147.0	1523.9	-25%	D	1430.2	1523.4	-6%	N	1472.7	1523.4	-3%	N	1190.6	1523.4	-22%	D
4.	MEGHALAYA	1281.8	2787.2	-54%	D	2892.4	2786.8	4%	N	2870.4	2786.8	3%	N	1455.7	2786.8	-48%	D
5.	NAGALAND	832.1	1329.7	-37%	D	1039.1	1329.9	-22%	D	836.2	1329.9	-37%	D	972.9	1329.9	27%	D
6.	MANIPUR	768.0	2156.5	-64%	S	716.9	1404.5	-49%	D	903.1	1404.5	-36%	D	1355.3	1404.5	-4%	N
7.	MIZORAM	1171.4	1708.1	-31%	D	1676.7	1708.3	-2%	N	1833.1	1708.3	7%	N	1475.3	1708.3	14%	N
8.	TRIPURA	1083.6	1489.0	-27%	D	1453.7	1489.1	-2%	N	1495.1	1489.1	0%	N	1187.7	1489.1	-20%	D
9.	SIKKIM	1434.1	1800.9	-20%	D	1925.5	1800.8	7%	N	1980.2	1800.8	10%	N	1821.4	1800.8	1%	N
10.	WEST BENGAL	1325.8	1390.8	-5%	N	1208.5	1390.4	-13%	N	1421.0	1390.4	2%	N	1382.1	1390.4	-1%	N
11.	ORISSA	1115.6	1149.9	-3%	N	1255.7	1149.9	9%	N	1034.6	1149.9	-10%	N	1030.8	1149.9	-10%	N
12.	JHARKHAND	844.5	1091.9	-23%	D	930.1	1091.9	-15%	N	941.9	1091.9	-14%	N	1096.9	1091.9	0%	N
13.	BIHAR	722.2	1027.6	-30%	D	848.6	1027.6	-17%	N	745.0	1027.6	-27%	D	994.1	1027.6	-3%	N
14.	UTTAR PRADESH	822.6	846.5	-3%	N	446.6	846.1	-47%	D	459.3	846.1	-46%	D	731.5	846.1	14%	N
15.	UTTARAKHAND	1373.0	1229.1	12%	N	897.7	1229.1	-27%	D	881.9	1229.1	-28%	D	1104.2	1229.1	-10%	N
16.	HARYANA	356.8	460.4	-23%	D	197.3	459.8	-57%	D	287.9	459.8	-37%	D	332.1	459.8	28%	D
17.	CHANDIGARH(UT)	792.8	844.2	-6%	N	354.5	844.2	-58%	D	548.3	844.2	-35%	D	456.2	844.2	46%	D
18.	DELHI	537.0	636.2	-16%	N	289.3	636.2	-55%	D	598.5	636.2	-6%	N	526.8	636.2	17%	N
19.	PUNJAB	479.7	491.9	-2%	N	244.6	491.9	-50%	D	338.0	491.9	-31%	D	352.0	491.9	28%	D
20.	HIMACHAL PRADESH	774.2	825.3	-6%	N	523.0	825.3	-37%	D	638.3	825.3	-23%	D	624.5	825.3	24%	D

21.	JAMMU & KASHMIR	651.9	534.6	22%	E	633.4	534.6	18%	N	613.9	534.6	15%	N	481.8	534.6	-10%	N
22.	RAJASTHAN	532.0	418.7	27%	E	420.0	419.0	0%	N	460.3	419.0	10%	N	535.8	419.0	28%	E
23.	MADHYA PRADESH	1300.8	952.7	37%	E	760.6	952.3	-20%	D	843.8	952.3	-11%	N	1131.0	952.3	19%	N
24.	GUJARAT	951.2	657.1	45%	E	591.5	657.6	-10%	N	568.5	657.6	-14%	N	537.0	672.7	-20%	D
25.	DADRA & NAGAR HAVELI (UT)	2794.8	2316.9	21%	E	2387.2	2316.9	3%	N	1667.4	2316.9	-28%	D	2732.4	2162.3	26%	E
26.	DAMAN & DIU(UT)	812.4	646.7	26%	E	1064.0	646.7	65%	E	882.5	1720.4	-49%	D	1803.4	1620.4	11%	N
27.	GOA	3359.5	2970.1	13%	N	3065.7	2970.3	3%	N	2353.1	2970.3	-21%	D	2960.2	2970.3	0%	N
28.	MAHARASHTRA	1265.7	1007.2	26%	E	867.1	1007.3	-14%	N	733.0	1007.3	-27%	D	1164.9	1007.3	16%	N
29.	CHHATISGARH	1165.1	1147.3	2%	N	1105.9	1147.3	-4%	N	1028.6	1147.3	-10%	N	1176.0	1153.3	2%	N
30.	ANDHRA PRADESH	676.3	609.0	11%	N	435.5	608.9	-28%	D	522.9	504.3	4%	N	549.2	504.4	9%	N
31.	TELANGANA*									600.8	755.2	-20%	D	899.8	755.2	19%	N
32.	TAMILNADU	320.9	317.3	1%	N	314.9	317.0	-1%	N	286.0	317.0	-10%	N	257.8	317.0	-19%	N
33.	PONDICHERRY(UT)	557.0	355.0	57%	E	403.3	355.0	14%	N	269.5	355.0	-24%	D	336.1	355.0	-5%	N
34.	KARNATAKA	977.9	832.3	17%	N	891.3	832.2	7%	N	664.7	832.2	-20%	D	710.8	832.2	-15%	N
35.	KERALA	2561.2	2039.6	26%	E	2164.8	2039.6	6%	N	1515.6	2039.6	-26%	D	1352.2	2039.6	-34%	D
36.	LAKSHADWEEP(UT)	1057.0	998.5	6%	N	958.5	998.5	-4%	N	858.4	998.5	-14%	N	745.5	998.5	-25%	D
COUNTRY AS A WHOLE		937.4	886.9	6%	N	781.7	886.9	-12%	N	765.8	887.5	-14%		862.0	887.5	-3%	

* STATE OF TELANGANA WAS FORMED AFTER MONSOON 2014.