

Report

On

Rainfall Statistics

during

South –West Monsoon Season- 2015

in the Telangana State

Directorate of Economics & Statistics

Govt. of Telangana

RAINFALL 2015-16

Rainfall scenario during South-West Monsoon was not satisfactory in the State. Following is the Month wise rainfall during South West monsoon period

(Rainfall in mms.)

Sl. No.	Month	Normal	Actual Rainfall		Current Year % of Dev over Normal	Previous Year % of Dev. Over Normal
			Current Year (2015-16)	Pre. Year (2014-15)		
1	JUNE	127.6	220.3	54.2	73	-58
2	JULY	238.0	80.3	138.6	-66	-42
3	August	218.7	151.2	181.1	-31	-17.2
4	September	129.3	159.4	120.8	23	0.1
TOTAL		713.6	611.2	494.7	-14	-31

Mandal Wise Status of Rainfall

Excess >19%	Normal (-19 to 19%)	Deficient (-59 to -20%)	Scanty	No Rain	Total no. of Mandals
			(-99 to -60%)	(-100%)	
47	194	209	9	--	459

District Wise Status of Rainfall

Excess (+20% and above)	Normal (-19% to +19%)	Deficit (-20% to -59%)	Scanty (-60% to -99%)	No Rain (-100%)
-	1) Nalgonda, 2) Warangal, 3) Khammam, 4) Hyderabad 5) Adilabad, 6) Karimnagar	1) Nizamabad, 2) Mahabubnagar, 3) Medak, 4) Rangareddy,	-	-
Nil	6	4	Nil	Nil

- On analyzing District wise data in the State revealed that Adilabad, Khammam and Warangal, Karimnagar, Nalgonda and Hyderabad Districts had **normal** Rainfall
- The State received an average rainfall received of 611.2 mm during the South West Monsoons (June - September) period 2015-16 as against the normal rainfall of 713.6 mm with deviation of **-14%**.
- The details of Rainfall received & deficient Mandals as per annual rainfall categorization prescribed in Drought Manual is given as Annexure -I and District wise scenario is given in Annexure-II
- Dry Spell report for the period 1-6-2015 to 30-09-2015 is given in Annexure-III

ANNEXURE- I

Cumulative Rainfall 01-06-2015 to 30-09-2015

Sl.No.	District	Cumulative Rainfall					
		During the Year 2015-16			Corr. period of Previous Year		
		Normal	Actual	% of Dev.	Normal	Actual	% of Dev
1	2	3	4	5	6	7	8
1	Adilabad	984.2	805.2	-18	984.2	705.3	-28
2	Nizamabad	849.1	466.0	-45	849.1	462.9	-45
3	Karimnagar	794.6	655.5	-18	794.6	564.3	-29
4	Medak	675.8	441.2	-35	675.8	403.1	-40
5	Hyderabad	562.1	499.2	-11	562.1	381.8	-32
6	Rangareddy	587.7	429.7	-27	587.7	443.8	-24
7	Mahaboobnagar	446.6	335.8	-25	446.6	412.6	-8
8	Nalgonda	561.7	555.7	-1	561.7	321.4	-43
9	Warangal	799.1	901.9	13	799.1	586.3	-27
10	Khammam	875	977.2	12	875	614.8	-30
STATE AVERAGE		713.6	611.2	-14	713.6	494.7	-31

ANNEXURE- IIA (upto July'2015)

Category wise Number of Mandals received deficient Rainfall over Annual Normal Rainfall during South - West Monsoon 2015

S. No.	.District	No of Mandals with category wise normal rainfall				No .of Mandals with Deficent Rainfall			
		< 750 mm	750mm to 999.9m m	>=1000 mm	Total	< 750 mm (15%)	750mm to 999.9m m (20%)	>=1000 mm (25%)	Total Mandals
		1	Adilabad	0	0	52	52	0	0
2	Nizamabad	0	14	22	36	0	14	22	36
3	Karimnagar	2	31	24	57	2	18	12	32
4	Medak	3	40	3	46	3	37	3	43
5	Hyderabad	8	8		16	7	7	0	14
6	Rangareddy	15	22	0	37	12	22	0	34
7	Mahabubnagar	63	1	0	64	59	0	0	59
8	Nalgonda	28	31	0	59	17	10	0	27
9	Warangal	1	25	25	51	0	7	1	8
10	Khammam	0	9	32	41	0	0	1	1
Total		120	181	158	459	100	115	53	268

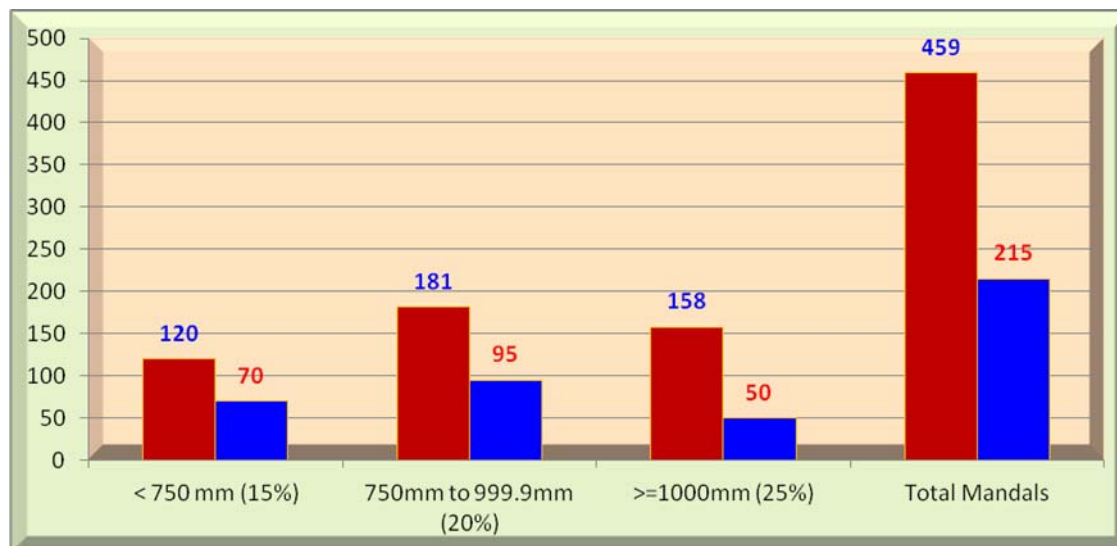
ANNEXURE- IIB (upto August'2015)

Category wise Number of Mandals received deficient Rainfall over Annual Normal Rainfall during South - West Monsoon 2015									
S. No.	District	No of Mandals with category wise normal rainfall				No .of Mandals with Deficent Rainfall			
		< 750 mm	750mm to 999.9m m	>=1000 mm	Total	< 750 mm (15%)	750mm to 999.9m m (20%)	>=1000 mm (25%)	Total Mandals
1	Adilabad	0	0	52	52	0	0	25	25
2	Nizamabad	0	14	22	36	0	14	21	35
3	Karimnagar	2	31	24	57	2	25	17	44
4	Medak	3	40	3	46	3	39	3	45
5	Hyderabad	8	8		16	8	8	0	16
6	Rangareddy	15	22	0	37	11	22	0	33
7	Mahabubnagar	63	1	0	64	53	0	0	53
8	Nalgonda	28	31	0	59	11	13	0	24
9	Warangal	1	25	25	51	0	4	1	5
10	Khammam	0	9	32	41	0	2	1	3
	Total	120	181	158	459	88	127	68	283

ANNEXURE- IIC (upto September'2015)

Category wise Number of Mandals received deficient Rainfall over Annual Normal Rainfall during South - West Monsoon 2015									
S. No.	District	No of Mandals with category wise normal rainfall				No .of Mandals with Deficent Rainfall			
		< 750 mm	750mm to 999.9m m	>=1000 mm	Total	< 750 mm (15%)	750mm to 999.9m m (20%)	>=1000m m (25%)	Total Mandals
1	Adilabad	0	0	52	52	0	0	11	11
2	Nizamabad	0	14	22	36	0	14	21	35
3	Karimnagar	2	31	24	57	0	11	12	23
4	Medak	3	40	3	46	3	37	3	43
5	Hyderabad	8	8		16	4	5	0	9
6	Rangareddy	15	22	0	37	10	18	0	28
7	Mahabubnagar	63	1	0	64	43	0	0	43
8	Nalgonda	28	31	0	59	10	8	0	18
9	Warangal	1	25	25	51	0	1	1	2
10	Khammam	0	9	32	41	0	1	2	3
	Total	120	181	158	459	70	95	50	215

Category wise Number of Mandals received deficient Rainfall



ANNEXURE- III

DRY SPELL REPORT FOR THE PERIOD from 01-06-2015 to 30-09-2015

SI No	District Name	No. of Mandals with Dry Spells						Total no. of Mandals
		Nil	1	2	3	4	>=5	
1	ADILABAD	47	5	--	--	--	--	52
2	NIZAMABAD	25	9	2	--	--	--	36
3	KARIMNAGAR	44	13	--	--	--	--	57
4	MEDAK	28	18	--	--	--	--	46
5	HYDERABAD	4	10	2	--	--	--	16
6	RANGAREDDY	18	15	4	--	--	--	37
7	MAHABUBNAGAR	22	40	2	--	--	--	64
8	NALGONDA	40	18	1	--	--	--	59
9	WARANGAL	41	10	--	--	--	--	51
10	KHAMMAM	38	3	--	--	--	--	41
STATE TOTAL :		307	141	11			--	459

- In a season, there is no rainfall during the Consecutive period of 21 days and more is termed as Dry spell.
- For Mandal with average rainfall of more than 750 mm , 5.0 mm or more rainfall per day treated as rainy day
- For Mandal with average rainfall of less than 750 mm, 2.5 mm or more rainfall per day treated as rainy day.

**DISTRICT WISE STATUS OF MANDALS FROM 01-06-2015 TO
30-09-2015**

Sl.No	District Name	No. of Mandals	No. of Mandals				
			No Rain -100%	Scanty	Deficient	Normal	Excess >19%
				-99 to -60%	--59 to -20%	-19 to 19%	
1	ADILABAD	52	--	--	21	31	--
2	NIZAMABAD	36	--	1	34	1	--
3	KARIMNAGAR	57	--	-	27	27	3
4	MEDAK	46	--	2	41	3	-
5	HYDERABAD	16	--	--	7	6	3
6	RANGAREDDY	37	--	2	23	10	2
7	MAHABUBNAGAR	64	--	4	36	23	1
8	NALGONDA	59	--	-	15	32	12
9	WARANGAL	51	--	--	2	34	15
10	KHAMMAM	41	--	--	3	27	11
STATE TOTAL		459	--	9	209	194	47

