



ABSTRACT

Disaster Management – Deficit Rainfall during Northeast Monsoon 2023 – Declaration of 22 Districts in the State of Tamil Nadu as affected by Hydrological Drought - Orders – Issued.

REVENUE AND DISASTER MANAGEMENT DEPARTMENT **DISASTER MANAGEMENT WING, D.M.III (1) SECTION**

G.O.(Ms) No.111

Dated: 13.03.2024

சோபகிருது வருடம், மார்ச் 30,
திருவள்ளூர் ஆண்டு, 2055

Read:

From the Additional Chief Secretary / Commissioner of Revenue Administration, Letter No. NC.2(1)/01/397/2024, dated: 12.03.2024.

ORDER:

In the letter read above, the Additional Chief Secretary/ Commissioner of Revenue Administration has stated as follows:-

a) The Northeast Monsoon 2023 commenced in the State on 21.10.2023 and brought overall moderate rainfall during the entire season from 1.10.2023 to 31.12.2023. During the entire Monsoon period, 457.80 mm of rainfall was received against the normal rainfall of 441.20 mm. However, many blocks in 22 districts have recorded deficit to large deficit rainfall resulting in water scarcity.

b) Rainfall plays a crucial role in meeting the drinking water demand of the State. The rainfall is received in two major seasons. The Southwest Monsoon (June to September) accounts for 35% of the total rainfall and Northeast Monsoon accounts for 48% of the rainfall. The rainfall received in Northeast Monsoon ensures recharging of ground water and replenishment of sources of water supply schemes and enables the Government to supply drinking water up to the next year's Northeast Monsoon.

c) During the Northeast Monsoon season 2023, 15 districts have recorded deficit rainfall as detailed below:

Sl.No	District	Season Normal	Actual	%
Deficit Rainfall (-20% to -59%) - 15 Districts				
1	Pudukkottai	385.6	309.0	-20%

2	Cuddalore	701.5	537.7	-23%
3	Vellore	375.8	286.8	-24%
4	Salem	331.7	229.3	-31%
5	Villupuram	531.3	353.4	-33%
6	Tiruvannamalai	450.4	276.5	-39%
7	Thanjavur	579.4	345.5	-40%
8	Dharmapuri	314.2	182.8	-42%
9	Karur	313.2	181.4	-42%
10	Ariyalur	501.9	284.2	-43%
11	Perambalur	432.0	232.5	-46%
12	Trichy	379.4	202.5	-47%
13	Tirupathur	266.3	141.7	-47%
14	Krishnagiri	278.7	139.1	-50%
15	Kallakurichi	455.5	206.8	-55%

d) The rainfall analysis made above is an aggregated value of the district which reflects only the representative rainfall of the district. This does not reflect the field conditions. The analysis at the block level brings out more granular details and reflects the problem in true scale. Therefore a Block wise analysis of the normal rainfall received during Northeast monsoon 2023, the actual rainfall received, and the percentage of deviation was taken up.

e) The Analysis shows that in the following 22 districts the percentage of deviation is categorised as Deficient (-20% to -59%) and Large Deficient (-59% to -99%) in respect of 174 blocks and 6 blocks respectively.

Block-wise Rainfall Deviation – Northeast Monsoon -2023

Sl no.	District	Rainfall deviation					Total no. of blocks
		Large excess	Excess	Normal	Deficient	Large deficient	
1	Ariyalur	0	0	0	6	0	6
2	Coimbatore	3	4	3	2	0	12
3	Cuddalore	0	0	1	12	0	13
4	Dharmapuri	0	0	0	6	2	8
5	Dindigul	0	1	7	6	0	14
6	Kallakurichi	0	0	0	7	2	9
7	Karur	0	0	2	5	1	8
8	Krishnagiri	0	0	0	10	0	10
9	Mayiladuthurai	0	0	1	4	0	5
10	Namakkal	0	1	5	9	0	15
11	Perambalur	0	0	0	4	0	4
12	Pudukkottai	0	0	5	8	0	13
13	Ranipet	0	0	3	4	0	7
14	Salem	0	0	5	15	0	20

15	Thanjavur	0	0	0	14	0	14
16	Thiruchirappalli	0	0	0	14	0	14
17	Thiruvarur	0	0	7	3	0	10
18	Tirupathur	0	0	0	6	1	7
19	Tiruppur	0	2	6	5	0	13
20	Vellore	0	0	1	18	0	19
21	Villupuram	0	0	3	6	0	9
22	Virudhunagar	5	6	0	10	0	21
Total		8	14	49	174	6	251

f) In the 49 blocks which have been classified under Normal Deviation category (-19% to +19%), which is representative for the entire block, the rainfall was not evenly distributed and are subjected to water shortages. The drinking water supply cannot be sustained in March, April and May which are hot weather period and the rains during this period is not significant. The Southwest Monsoon from June to September brings only 35% of the rainfall and significant only in few pockets of the State. Therefore, the above 49 blocks also have to be considered as water stressed blocks. The source of water supply for Coimbatore district is Pilloor Dam and Siruvani Dam and the storage in the above reservoirs are fast dwindling due to poor rains in the catchment areas.

g) The Indian Meteorological Department in its Outlook for the Temperature and Rainfall for the period from March 2024 to May 2024 has indicated the heat wave vulnerability to most part of the State. With the surface water and ground water resources fast depleting, the above districts/ blocks are experiencing drinking water problems and will be affected further due to Hydrological drought in the ensuing summer.

h) This has to be taken into account and all efforts have to be taken up for augmenting drinking water resources to ensure uninterrupted drinking water supply to public. In the above context, taking into consideration of the sensitive issue of drinking water supply, all the 22 districts have to be declared as affected by Hydrological Drought.

i) Therefore, the Additional Chief Secretary/ Commissioner of Revenue Administration has requested the Government to notify the following 22 districts as affected by Hydrological Drought.

Sl.No.	District
1	Ariyalur
2	Coimbatore
3	Cuddalore
4	Dharmapuri

5	Dindigul
6	Kallakurichi
7	Karur
8	Krishnagiri
9	Mayiladuthurai
10	Namakkal
11	Perambalur
12	Pudukkottai
13	Ranipet
14	Salem
15	Thanjavur
16	Thiruchirappalli
17	Thiruvarur
18	Tirupathur
19	Tiruppur
20	Vellore
21	Villupuram
22	Virudhunagar

2. The Government after careful consideration, have decided to accept the proposal of the Additional Chief Secretary/ Commissioner of Revenue Administration & State Relief Commissioner to notify the following 22 districts as affected by Hydrological Drought and issue orders accordingly.

Sl.No.	District
1	Ariyalur
2	Coimbatore
3	Cuddalore
4	Dharmapuri
5	Dindigul
6	Kallakurichi
7	Karur
8	Krishnagiri
9	Mayiladuthurai
10	Namakkal
11	Perambalur
12	Pudukkottai
13	Ranipet
14	Salem
15	Thanjavur
16	Thiruchirappalli
17	Thiruvarur
18	Tirupathur

19	Tiruppur
20	Vellore
21	Villupuram
22	Virudhunagar

3. This order Issue with concurrence of the Finance Department vide U O No.6971148/Finance (Revenue)/2024, Dated 13.03.2024.

(BY ORDER OF THE GOVERNOR)

V RAJARAMAN
SECRETARY TO GOVERNMENT

To

The Additional Chief Secretary /

Commissioner of Revenue Administration,
Ezhilagam, Chepauk, Chennai - 600 005.

The Director, Disaster Management,

Tamil Nadu Disaster Risk Reduction Agency,
Chepauk, Chennai - 600 005.

The District Collectors concerned.

The Accountant General, Chennai - 600 018.

The Pay and Accounts Officer (East/South/North),
Chennai - 600 008/600 035/600 001.

Copy to:

The Additional Chief Secretary to Government,
Water Resources Department, Chennai-600 009.

The Additional Chief Secretary to Government,
Highways and Minor Ports Department,
Chennai-600 009.

The Additional Chief Secretary to Government,
Health and Family Welfare Department,
Chennai-600 009.

The Principal Secretary to Government,
Rural Development and Panchayat Raj Department,
Chennai-600 009.

The Principal Secretary to Government,
Municipal Administration and Water Supply Department,
Chennai-600 009.

The Principal Secretary to Government,
Public Works Department, Chennai-600 009.

The Principal Secretary to Government,
Home, Prohibition and Excise Department, Chennai - 600 009.
The Principal Secretary to Government,
Finance Department, Chennai - 600 009.
The Hon'ble Chief Minister's Office, Chennai-600 009.
The Special Personal Assistant to Hon'ble Minister
for Revenue and Disaster Management
Department, Secretariat, Chennai - 600 009.
The Special Personal Assistant to Hon'ble Minister
for Finance and Human Resources Department,
Secretariat, Chennai - 600 009.
The Senior Private Secretary to
Chief Secretary to Government,
Secretariat, Chennai - 600 009
The Private Secretary to Secretary to Government,
Revenue and Disaster Management Department,
Chennai - 600 009.
The Finance (Revenue/BG-I/BG-II) Department,
Chennai -600 009.
The Revenue and Disaster Management (O.P.II) Department,
Chennai - 600 009.
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// FORWARDED / BY ORDER //

[Signature]
13.03.2024
Section Officer