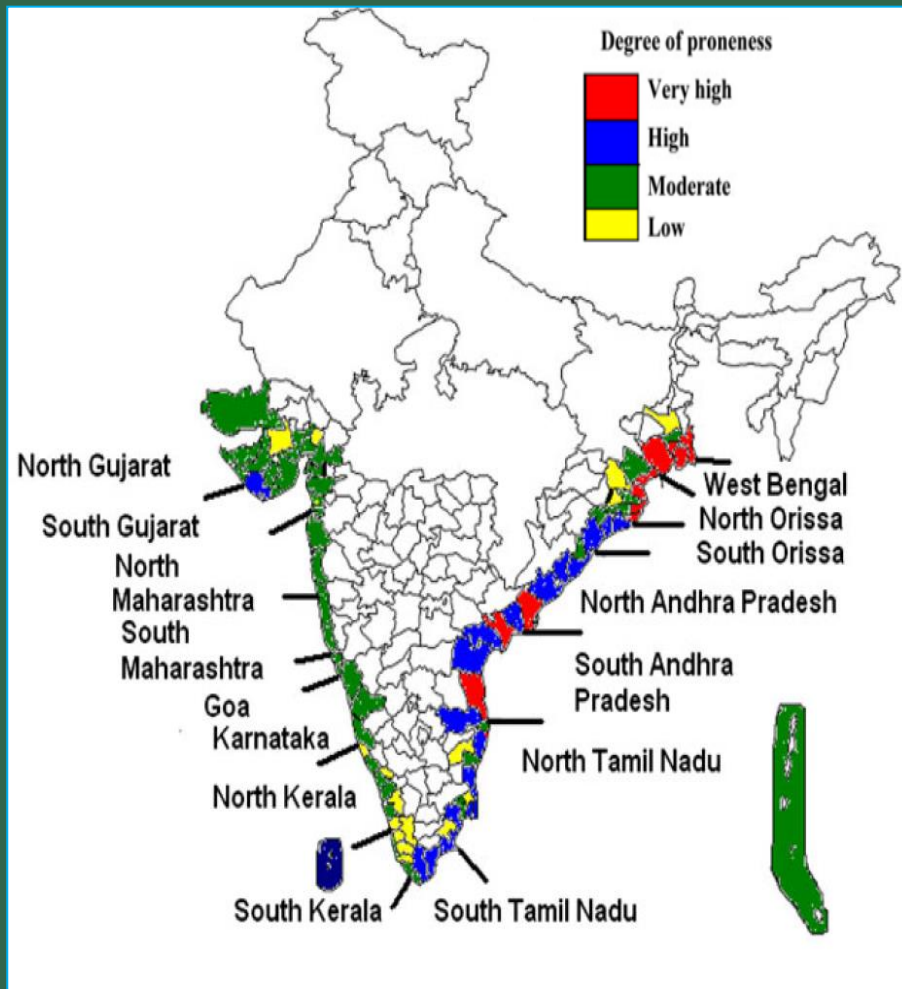




World Meteorological Organisation

Government of India  
Ministry of Earth Sciences  
India Meteorological Department

## CYCLONE HAZARD CLIMATOLOGY



JANUARY, 2024

India Meteorological Department, New Delhi

## PREFACE

India experiences various types of natural hazards including cyclones, floods, droughts, earthquakes, landslides, heat waves, cold waves, thundersqualls and tornadoes. About 80% of these hazards are hydro-meteorological in nature. Among these, the tropical cyclones (TCs) are most disastrous weather events that pose a potential threat to coastal population, marine and aviation community of the region. The risk management of the TCs depends on several factors including (i) hazard & vulnerability analysis, (ii) preparedness & planning, (iii) early warning, (iv) prevention and mitigation.

This document presents the hazard proneness of various districts along the coastline based on the frequency of landfalling cyclones, probable maximum precipitation, probable maximum winds and probable maximum storm surge, ninety-six districts including 72 districts touching the coast and 24 districts not touching the coast, but lying within 100 km from the coast have been classified based on their proneness. Out of 96 districts, 12 are very highly prone, 41 are highly prone, 30 are moderately prone, and the remaining 13 are less prone. Twelve very highly prone districts include South and North 24 Praganas, Medinipur, and Kolkata of West Bengal, Balasore, Bhadrak, Kendrapara, and Jagatsinghpur districts of Odisha, Nellore, Krishna, and east Godavari districts of Andhra Pradesh and Yanam of Puducherry.

This document also presents the Maximum Probable Frequency of all the categories of heavy rainfall events for different seasons and ever recorded highest rainfall over the coastal stations during the period 1901-2019. During the period 1961-2020, the cyclone return period, maximum probable precipitation, maximum probable storm surge and cyclone landfall count have also been prepared and presented here. The document also presents maximum sustained wind in each district based on IMD's best track data for the period 1981-2020 and maximum storm surge height maps in annual scale for each of the coastal districts in association with cyclones. The normalised vulnerability index has also been prepared based on population and housing density data as per Census information.

District-wise Hazard and vulnerability information in this document will help the disaster managers and planners in better decision making to effectively mitigate disasters associated with TCs.

I place on record the contribution by Climate Research Services, Pune and Cyclone Warning Division for preparation of this document.



**Mrutyunjay Mohapatra**

**Director General of Meteorology**

**January 2024**

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## Introduction

India Meteorological Department has prepared climatology of cyclone hazard prone districts of India and determined the probable frequency of heavy rainfall events, annual district wise extreme wind speed, return period of cyclones and normalised vulnerability index of cyclones.

The cyclone hazard proneness of various districts of India along the coast and interior districts near to coast which are affected by cyclones is based on frequency of total cyclones, total severe cyclones, actual/estimated maximum wind strength, Probable Maximum Storm Surge (PMSS) associated with the cyclones and Probable Maximum Precipitation (PMP) for all districts. Ninety-six districts including 72 districts touching the coast and 24 districts not touching the coast, but lying within 100 km from the coast have been classified based on their proneness.

Based on the data during the period 1901-2019, *Maximum Probable Frequency of all the categories of Heavy rainfall Events (Number of Days), for monsoon (June-September), post monsoon (October-December, Annual and ever recorded highest rainfall over the coastal stations have been presented. The annual extreme wind speed district wise has been determined and presented based on past 15 years data from 490 stations across the country.* From these 490 stations data, the month-wise annual maximum wind series data has been prepared for computation of 50 years return period extreme values. The Annual extreme wind speed districtwise have been prepared and presented.

For computation of cyclone return period and maximum probable precipitation, maximum probable storm surge and cyclone landfall count the data during the period 1961-2020 has been considered. **Cyclone return periods** (CS, SCS, and combining CS and SCS) are computed in coastal districts for all the month and annual scale. Cyclone return periods are the frequency at which a certain cyclone intensity can be expected within a given distance of a given location within a specified buffer zone around the district (we have considered 50 nm as a buffer zone). The **maximum probable precipitation** of each district corresponding to cyclone days is computed from the daily station rainfall data for the period. **Cyclone Landfall Count** for each district gives the total number of cyclone (of any intensities) made landfall over the district during the period. These maps are made for all the months and on an annual scale. For the computation of **Maximum sustained wind** in each district IMD Best Track Cyclone data for the period 1981-2020 is used. **Maximum Storm surge** heights map in annual scale gives the maximum storm surge heights in meter each of the coastal district experienced so far associated with cyclone. The population density data and housing density data from Census data has been considered for determination of normalised vulnerability index.



## Chapter-1

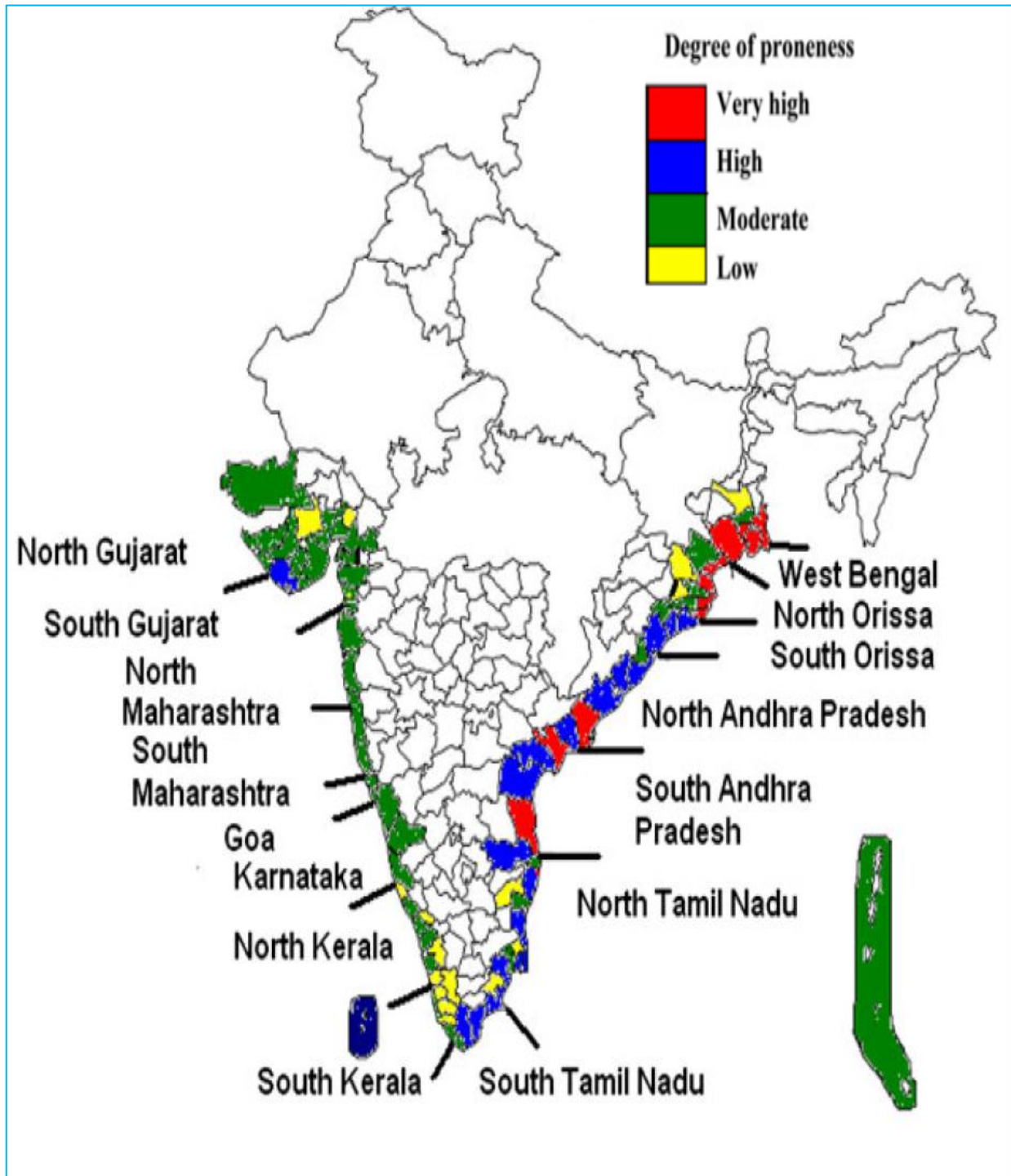
### Cyclone Hazard Prone Districts of India

- India Meteorological Department, has prepared cyclone hazard proneness of districts of India based on frequency of total cyclones, total severe cyclones, actual/estimated maximum wind strength, Probable Maximum Storm Surge (PMSS) associated with the cyclones and Probable Maximum Precipitation (PMP) for all districts as presented in **Fig. 1.1**. The hazard maps prepared by committee constituted by NDMA in 2012 indicating total number of severe cyclones (maximum sustained wind speed (MSW) of 48 knots or more), total number of cyclones (MSW of 34 knots or more), actual/estimated MSW, probable maximum storm surge, daily probable maximum precipitation over coast are presented in **Fig.1.2 (a-e)**. The cyclone parameters for various districts are presented in **Table 1.1-1.5**.
- Ninety-six districts including 72 districts touching the coast and 24 districts not touching the coast, but lying within 100 km from the coast have been classified based on their proneness. Out of 96 districts, 12 are very highly prone, 41 are highly prone, 30 are moderately prone, and the remaining 13 are less prone. Twelve very highly prone districts include South and North 24 Praganas, Medinipur, and Kolkata of West Bengal, Balasore, Bhadrak, Kendrapara, and Jagatsinghpur districts of Odisha, Nellore, Krishna, and east Godavari districts of Andhra Pradesh and Yanam of Puducherry. The remaining districts of Odisha and Andhra Pradesh, which touch the coast are highly prone districts. The north Tamil Nadu coastal districts are more prone than the south Tamil Nadu districts (south of about 10°N latitude). Most of the coastal districts of Gujarat and north Konkan are also highly prone districts. The remaining districts in the west coast and south Tamil Nadu are either moderately prone or less prone districts
- For details about the data, methodology and results the following publication may kindly be referred: Cyclone hazard prone districts of India, M. Mohapatra, 2015, Journal of Earth System Science, 124, No.3, pp. 515-526) and Classification of Cyclone Hazard Prone Districts of India, M. Mohapatra, G.S. Mandal, B.K. Bandyopadhyay, Ajit Tyagi, U.C. Mohanty, 2012, Nat Hazards, 63:1601–1620
- This classification is only based on hazard criteria. Vulnerability of the place has not been taken into consideration. Therefore, composite cyclone risk of a district, which is the product of hazard and vulnerability, needs to be assessed separately through detailed study. Such an initiative is being taken by NDMA through the World Bank assisted National Cyclone Risk Mitigation Project (NCRMP).
- The maximum sustained surface wind (MSW) indicated against a district in this report is the 3-min average wind speed normally recorded by IMD. Keeping in mind that it is the 3-second peak-gust wind speed that is usually adopted for design of buildings and structures (Lakshmanan et al. 2009, Structural Engineering Research Centre (SERC), Chennai), the MSW indicated against the

districts (Mohapatra et al. 2012) need to be multiplied by an appropriate factor for design of all buildings and structures in general and for the design of the post-disaster service structures (such as cyclone shelters, hospitals, transmission lines and communication towers, schools, etc.), in particular.

- In this list of cyclone hazard prone districts of the country, some of the districts of northeast India appearing in the list prepared by BMTPC have not appeared. This is because those districts are away from the coast and no parts of these districts were affected by storm surge requiring large scale evacuation of population. Floods due to cyclones over these districts are also very rare. These districts are mostly affected by depressions. Also interior districts of coastal states were not considered though some of these may be affected by storm wind and very high rainfall causing damage and destruction to life and properties.
- The analysis is based on the estimation of daily point PMP by IMD. The criteria adopted for categorization of PMP is arbitrary and subjective. However, IMD and Central Water Commission are developing a new PMP atlas based on longer and latest data. The PMP atlas needs to be prepared considering the actual extreme rainfall over the districts due to TCs only. There is scope for reanalysis of TC hazard proneness based on PMP of districts in association with TCs.
- The wind data in association with TC is based on the period of 1971–2010. It is mainly based on the wind estimated by Dvorak's technique (Dvorak 1984) and post-cyclone survey report along with the coastal observations available from IMD's observational network. There is further scope for improvement in estimation of TC wind hazard with upgradation of observational network with high wind speed recorder (HWSR), Doppler Weather Radar and validation of Dvorak's technique based on instrumented aircraft observation from the core and periphery of the TC.
- The study is based on the residual storm surge height in association with the TC crossing coast. It does not take into consideration the total water envelope due to astronomical tide, in-shore current, river discharge, and heavy rainfall distribution, etc. All these factors can influence the storm surge and hence resultant tidal wave. Therefore, there is further scope to estimate the storm surge hazard based on total water envelope and coastal inundation and hence to modify the hazard proneness of the coastal districts. Studies are in progress by various researchers including those from Indian National Centre for Ocean Information Services (INCOIS), Hyderabad and Centre for Atmospheric Sciences, Indian Institute of Technology (IIT), Delhi to develop the models for total water envelope and coastal inundation due to landfall of TC.
- The factors such as probable maximum wind strength, PMSS, and daily PMP are used to determine the degree of proneness based on the observed datasets. However, if speed and the size of the storm vary, then it is going to have an impact on all the aforementioned factors based on maximum duration of the wind

strength/rainfall/storm surge and maximum area (size) to be impacted by the landfalling TC. Hence, the degree of proneness may vary in such conditions.



**Fig.1.1: Cyclone hazard prone districts of India based on frequency of total cyclones, total severe cyclones, actual/estimated maximum wind strength, PMSS associated with the cyclones and PMP for all districts**



**Table 1.1: Cyclone hazard prone districts of India touching coast (72) based on frequency of total cyclones, severe cyclones; strength of actual/estimated wind, PMSS and PMP**

State	Districts	Degree of Proneness
Andhra Pradesh (AP)	Nellore	P1
	East Godavari	P1
	Krishna	P1
Odisha	Balasore	P1
	Kendrapara	P1
	Jagatsinghpur	P1
	Bhadrak	P1
Puducherry	Yanam	P1
West Bengal	South 24-Pragana	P1
	Medinipur	P1
AP	Srikakulam	P2
	Guntur	P2
	Visakhapatnam	P2
	West Godavari	P2
	Prakasam	P2
	Vizianagaram	P2
Daman & Diu	Diu	P2
Gujarat	Junagadh	P2
	Kachchh	P2
Lakshadweep	Lakshadweep	P2
Odisha	Ganjam	P2
	Puri	P2
	Khordha	P2
Puducherry	Karaikal	P2

Degree of Proneness	Meaning
P1	Very Highly Prone
P2	Highly Prone
P3	Moderately Prone
P4	Less Prone

Tamil Nadu	Pudukkottai	P2
	Cuddalore	P2
	Kanchipuram	P2
	Tiruvarur	P2
	Nagappattinam	P2
	Chennai	P2
	Ramanathapuram	P2
	Toothukudi	P2
	Tirunelveli	P2
Andaman & Nicobar Islands (A&N Islands)	A & N Islands	P3
Daman & Diu	Daman	P3
Goa	North Goa	P3
	South Goa	P3
Gujarat	Ahmedabad	P3
	Bhavnagar	P3
	Amreli	P3
	Jamnagar	P3
	Anand	P3
	Navsari	P3
	Surat	P3
	Valsad	P3
	Bharuch	P3
	Porbandar	P3
	Rajkot	P3
Vadodara	P3	
Karnataka	Udupi	P3

	Uttar Kannada	P3
	Dakshin Kannada	P3
Kerala	Kozhikode	P3
	Malappuram	P3
	Thrissur	P3
	Kannur	P3
	Kollam	P3
	Alappuzha	P3
	Thiruvananthapuram	P3
Maharashtra	Thane	P3
	Mumbai suburban	P3
	Ratnagiri	P3
	Raigarh	P3
	Sindhudurg	P3
Puducherry	Puducherry	P3
	Mahe	P3
Tamil Nadu	Viluppuram	P3
	Thanjavur	P3
	Tiruvallur	P3
	Kanyakumari	P3
Kerala	Kasargod	P4
	Ernakulam	P4
<b>Total districts</b>		<b>72</b>

**Table 1.2: Cyclone hazard prone districts of India not touching (24) the coast based on frequency of total cyclones, severe cyclones; strength of Actual/estimated wind, PMSS and PMP**

State	Districts	Degree of Proneness
West Bengal	North 24 Pragana	P1
	Kolkata	P1
AP	Chittor	P2
West Bengal	Howrah	P2
Dadra & Nagar Haveli	Dadra & Nagar	P3
	Haveli	
Odisha	Mayurbhanj	P3
	Cuttack	P3
	Nayagarh	P3
	Gajapati	P3
	Jajpur	P3
	Keonjhar	P3
West Bengal	Hoogly	P3
	Bardhaman	P3
Gujarat	Surendra Nagar	P4
	Kheda	P4
Kerala	Wayand	P4
	Palakkad	P4
	Kottayam	P4
	Idukki	P4
	Pathanamthita	P4
Odisha	Dhenkanal	P4
Tamil Nadu	Ariyalur	P4
	Tiruvannamalai	P4
	Sivaganga	P4
<b>Total Districts</b>		<b>24</b>

**Table 1.3: Cyclone parameters for districts (touching coast) along east coast and Andaman and Nicobar (A & N) Islands**

State	Districts	No. of severe Cyclones	Total No. of Cyclones	Wind Speed in knots	PMSS in metres	PMP in cm
West Bengal	South 24-Parganas	16	29	115	12	52
	Medinipur	10	22	115	13	56
Orissa	Balasore	5	28	75	11	60
	Kendrapara	6	17	140	8.5	60
	Bhadrak	4	17	65	9.5	60
	Jagatsinghpur	4	17	140	6.5	60
	Ganjam	5	11	100	4	48
	Puri	1	6	140	4	60
	Khordha	0	4	100	4	52
Andhra Pradesh	Nellore	8	18	110	4.5	60
	East Godavari	4	17	125	4.5	52
	Srikakulam	5	12	100	4	56
	Guntur	0	0	127	7.5	56
	Visakhapatnam	4	8	125	4	52
	Krishna	5	12	127	5.5	56
	West Godavari	3	6	127	5	52
	Prakasam	3	5	115	6	52
	Vizianagaram	1	3	94	4	52
Tamil Nadu	Pudukkottai	1	1	55	7	52
	Kanchipuram	8	13	55	3.5	68
	Cuddalore	4	6	90	3.5	68
	Tiruvarur	3	6	90	5.5	60
	Nagappattinam	3	10	90	4.5	68
	Chennai	0	0	95	3.5	52

	Viluppuram	3	3	77	3.5	68
	Ramanathapuram	1	2	55	12	48
	Thoothukudi	1	1	55	7	52
	Tirunelveli	3	3	55	7	48
	Thanjavur	1	2	90	5.5	48
	Tiruvallur	0	5	95	4	56
	Kanyakumari	0	0	45	3	40
Puducherry	Puducherry	3	3	77	3.5	68
	Karaikal	3	10	90	4.5	52
	Yanam	4	17	125	4.5	52
A & N	A & N	1	8	90	–	N/A
<b>Total</b>			<b>35</b>			

**Table 1.4: Cyclone parameters for districts (touching coast) along west coast and Lakshadweep Islands**

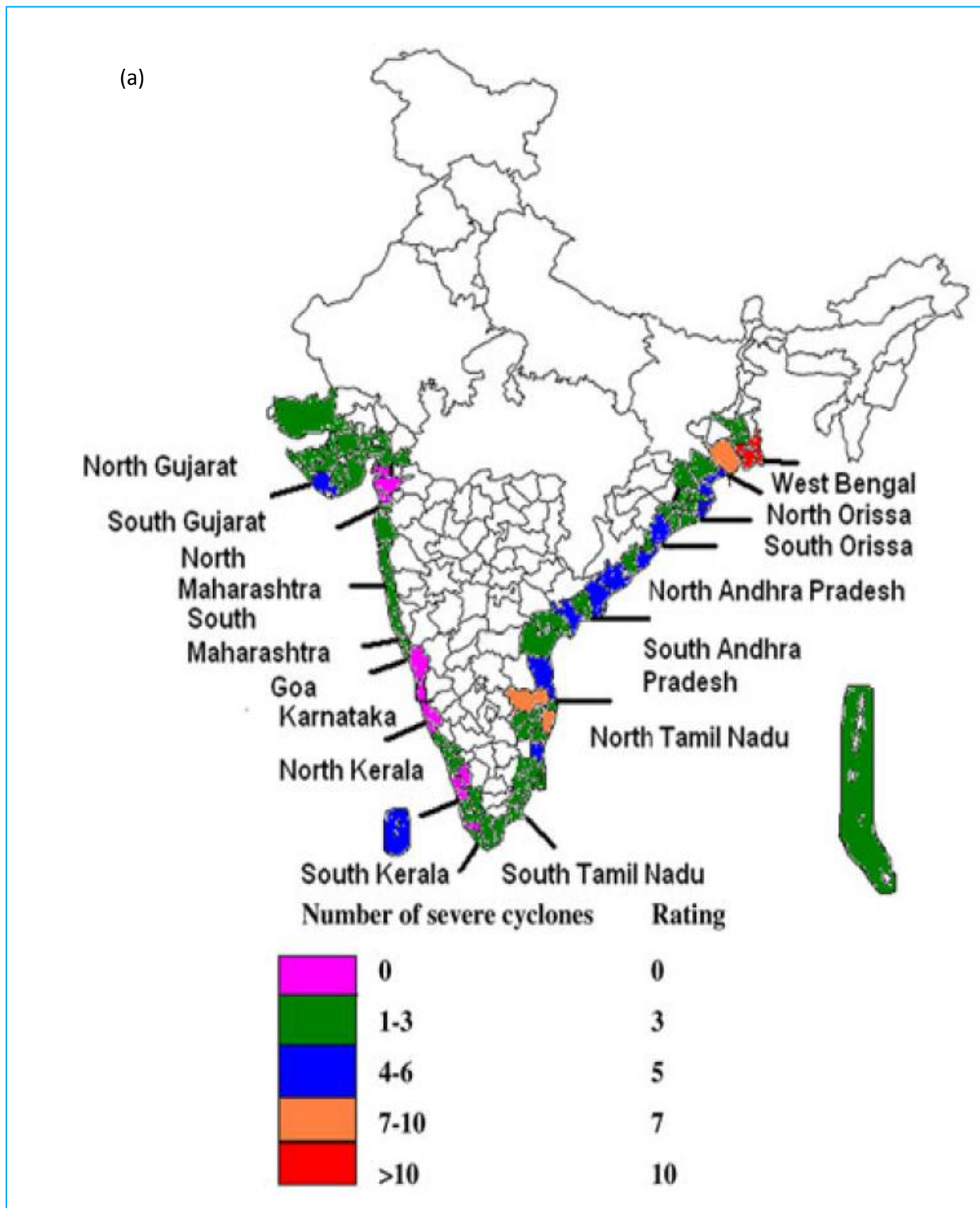
State	Districts	No. of severe Cyclones	Total No of Cyclones	Wind Speed knots	PMSS in metres	PMP in cm
Gujarat	Junagadh	4	9	90	3.5	84
	Kachchh	3	7	90	3.5	60
	Bhavnagar	3	5	90	4.5	56
	Jamnagar	1	2	90	3.5	72
	Porbandar	3	3	90	3.5	84
	Amreli	2	3	90	4	56
	Ahmedabad	1	1	90	4.5	60
	Anand	1	2	70	4.5	52
	Surat	0	0	45	4.5	88
	Navsari	0	1	70	4.5	88
	Valsad	0	0	45	5	104



	Bharuch	0	3	70	4.5	72
	Rajkot	2	4	90	3.5	72
	Vadodara	0	1	45	4.5	64
Daman & Diu	Daman	1	1	55	5	80
	Diu	4	9	90	3.5	80
Maharashtra	Thane	2	2	55	5	72
	Mumbai Suburban	1	1	55	5	95
	Ratnagiri	1	1	55	4	64
	Raigarh	0	1	55	5	72
	Sindhudurg	1	1	55	4	72
Goa	North Goa	0	0	55	4.5	64
	South Goa	0	0	55	4.5	64
Karnataka	Uttar Kannada	0	0	45	4.5	68
	Udupi	0	0	45	4.5	68
	Dakshin Kannada	0	0	45	4.5	92
Kerala	Kozhikode	1	1	45	4.5	60
	Malappuram	0	1	45	4.5	60
	Thrissur	0	1	45	4.5	52
	Kasargod	0	0	45	4	48
	Kannur	0	0	45	4	60
	Ernakulam	0	0	45	4	44
	Alappuzha	1	1	45	4	40
	Kollam	0	0	45	3.5	44
	Thiruvananthapuram	1	1	45	3	48
Lakshadweep	Lakshadweep	5	9	90	–	N/A
Puducherry	Mahe	1	1	55	4.5	60
<b>Total</b>			<b>37</b>			

**Table 1.5: Cyclone parameters for districts of India not touching the coast, but within 100 km from the coast**

State	Districts	No. of severe Cyclones	Total No. of Cyclones	Wind Speed in knots	PMSS in metres	PMP in cm
Dadra and Nagar Haveli	Dadra and Nagar Haveli	2	2	55	–	80
Gujarat	Surendra Nagar	2	2	55	0	56
	Kheda	0	0	45	0	52
Kerala	Wayanad	0	0	55	0	52
	Palakkad	0	1	55	0	52
	Kottayam	0	0	45	0	48
	Idukki	0	0	45	0	52
	Pathanamthitta	1	1	45	0	48
Tamil Nadu	Tiruvannamalai	0	2	55	0	40
	Ariyalur	0	4	45	0	52
	Sivaganga	0	3	55	0	40
AP	Chittoor	8	15	95	0	60
Orissa	Mayurbhanj	1	10	55	0	56
	Jajpur	0	2	65	0	60
	Keonjhar	0	5	45	0	52
	Dhenkanal	0	3	45	0	44
	Cuttack	1	4	140	0	52
	Nayagarh	1	7	65	0	52
	Gajapati	0	1	100	0	52
West Bengal	Hoogly	3	11	65	0	52
	Bardhaman	0	10	45	0	56
	Kolkata	12	23	115	0	52
	North 24 Parganas	11	23	115	0	52
	Howrah	12	23	115	0	50
<b>Total No. of Stations</b>			<b>24</b>			



**Fig. 1.2 (a): Number of Severe Cyclones (maximum sustained wind speed (MSW) of 48 knots or more) that affected coastal districts of India during 1891-2008**

(b)

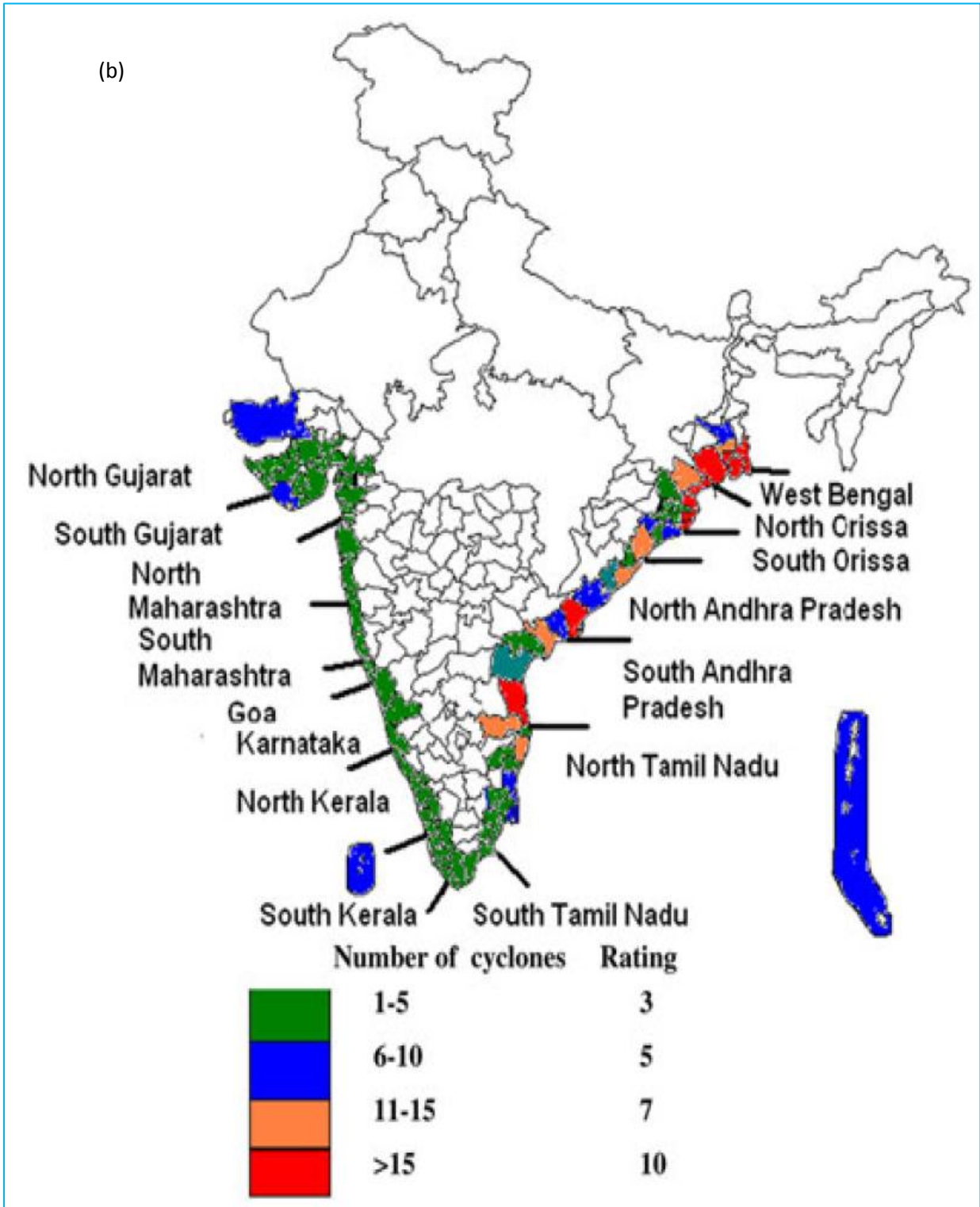
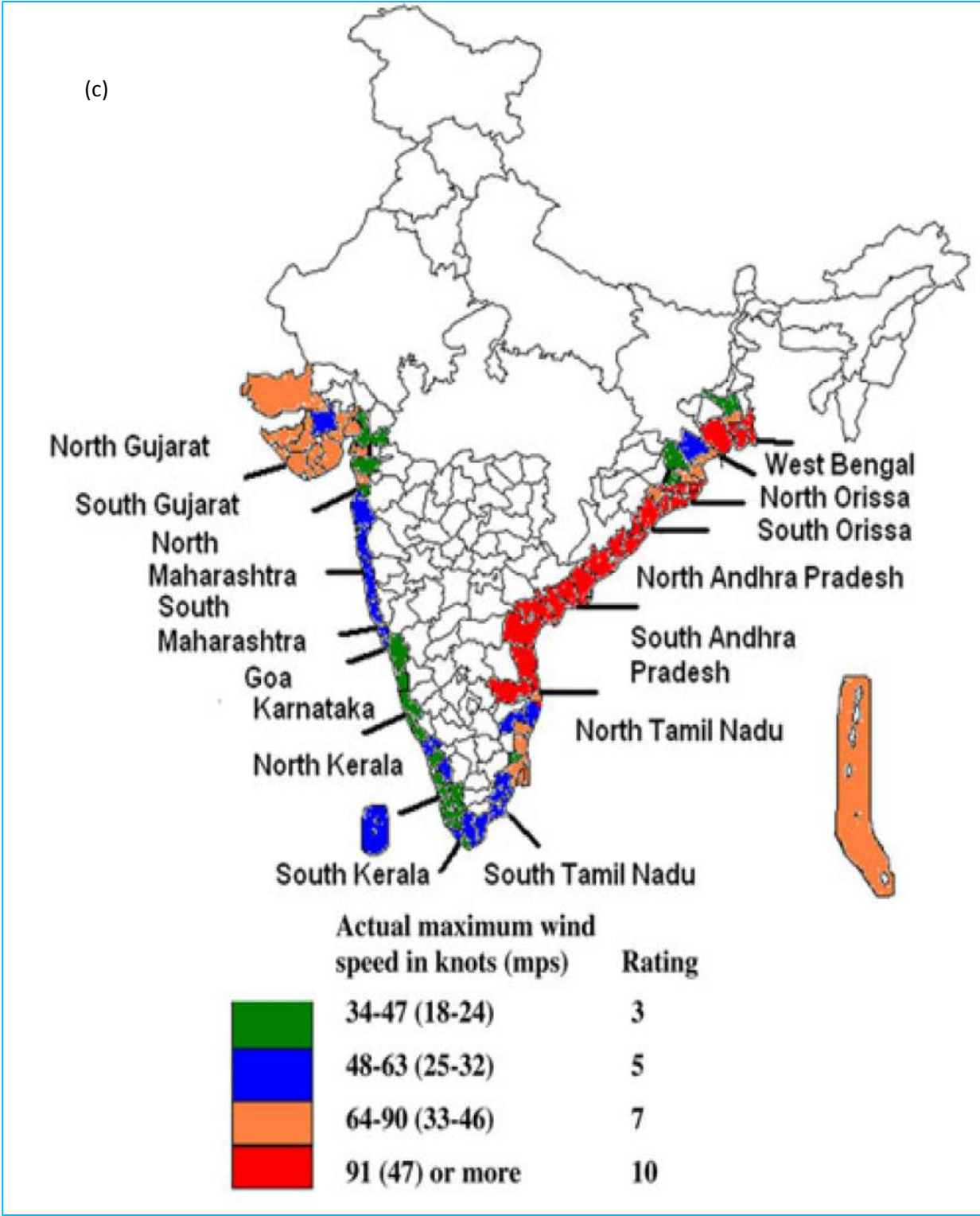


Fig. 1.2 (b): Number of Cyclones (MSW of 34 knots or more) that affected coastal districts of India during 1891-2008



**Fig.1.2 (c): Maximum / Estimated MSW (in mps) that affected coastal districts of India during 1891-2008**

(d)

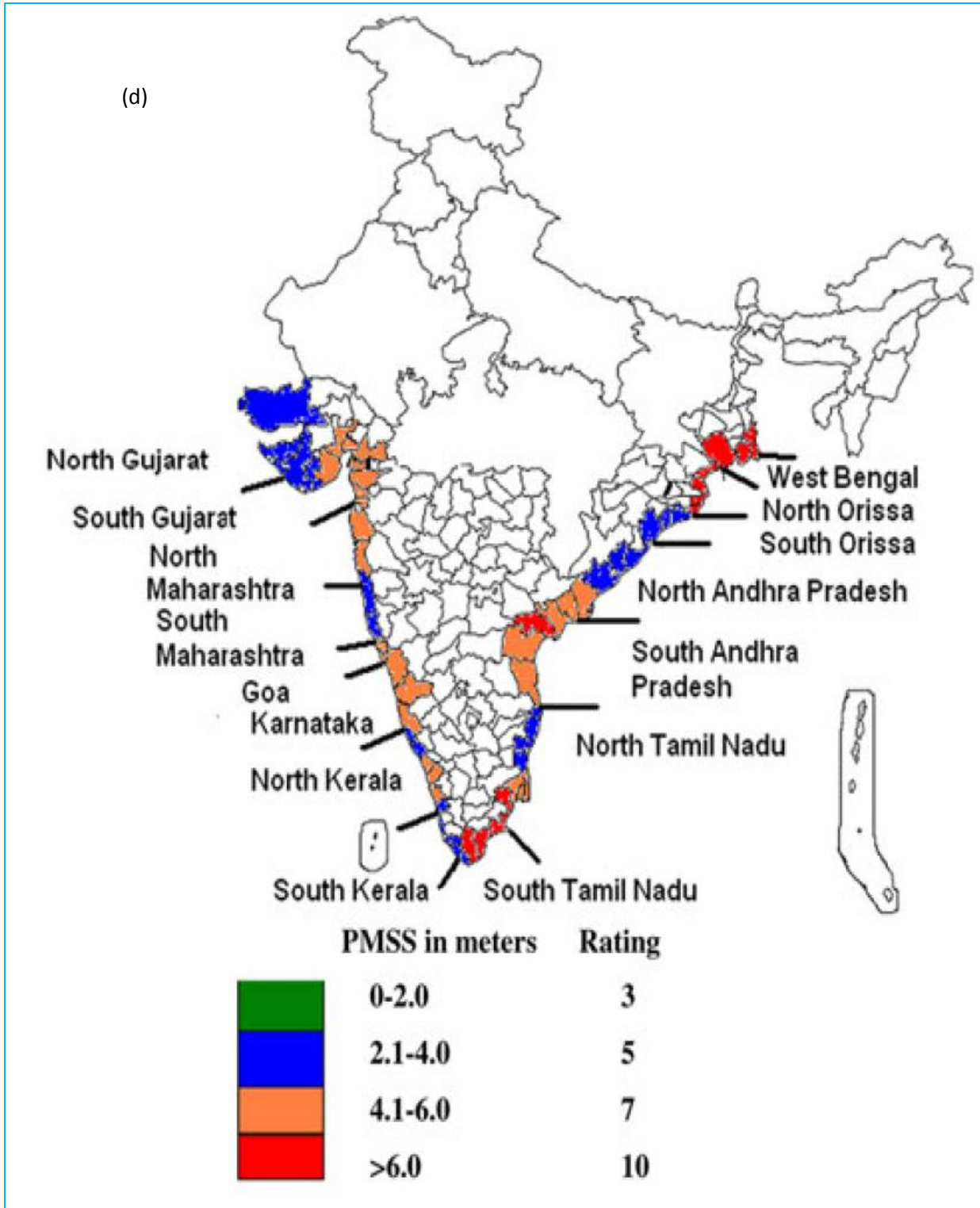


Fig.1.2 (d): Probable Maximum Storm Surge (in metres) that affected coastal districts of India during 1891-2008



(e)

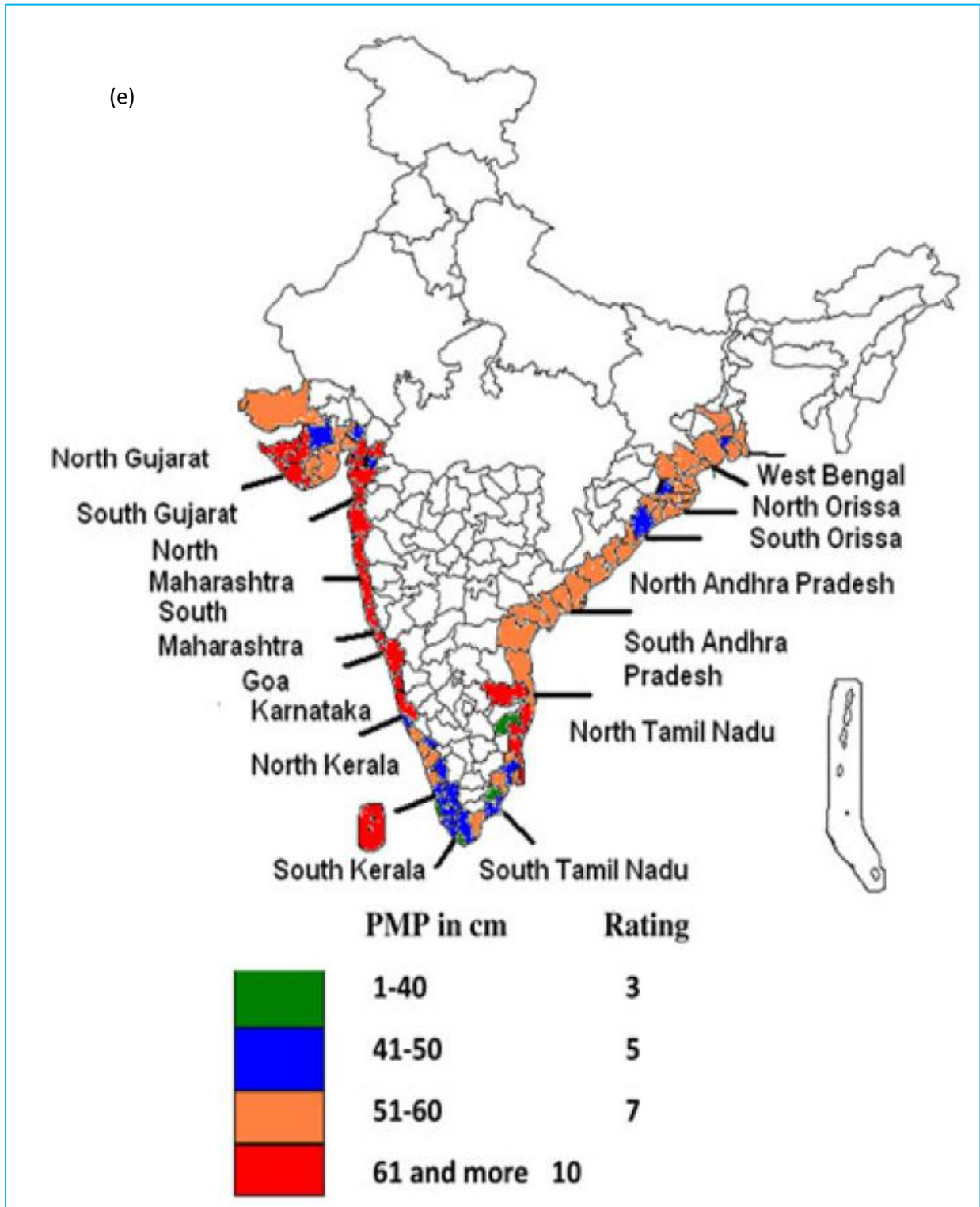


Fig.1.2 (e): Daily Probable Maximum Precipitation (in cm) that affected coastal districts of India during 1891-2008

## Chapter-2

### Extreme Rainfall

Rainfall events of high intensities are in most cases caused by floods, waterlogging, landslides and many other disasters. Information of maximum probable frequencies (number of days) of extreme rainfall events (heavy, very heavy, or extremely heavy) of each district from the past record of more than 100 years can identify the districts vulnerable to extreme events. In order to view the climate change impact on extreme rainfall events in various decades, the extreme rainfall information is made available for different decades and periods viz. 1951-60, 1961-70, 1971-80, 1981-1990, 1991- 2000, 2001-2010, 2011-2019, 1901-2019 and 1951-2019.

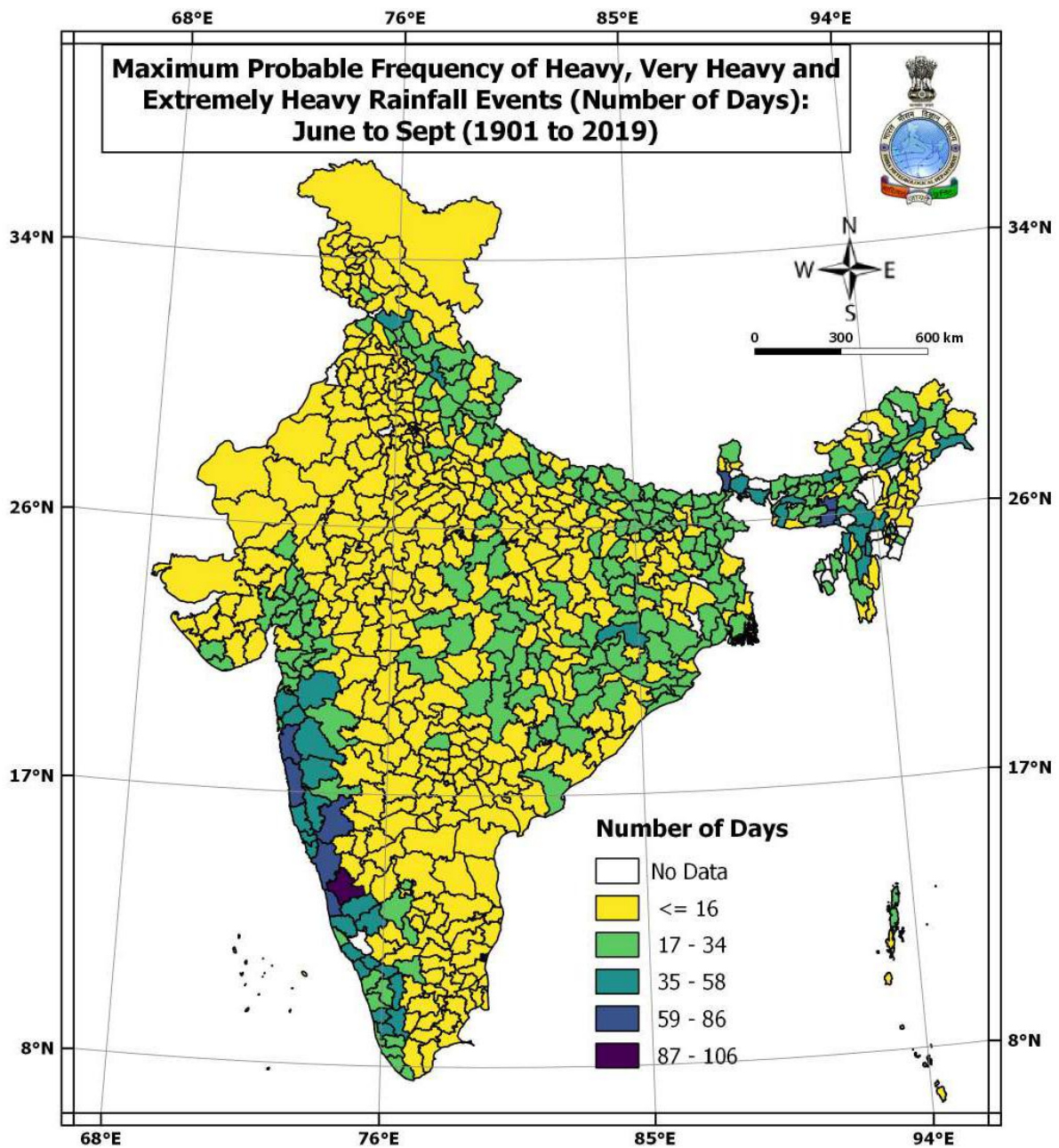
The user has to select the period from the drop-down menu available while clicking on Extreme Rainfall. After selecting the desired period/decade, one can get the vulnerability maps for four seasons, annual and for the monsoon months viz. June, July, August, and September. For any season/month or annual, there are three events viz. maximum probable frequency of Heavy rainfall event, maximum probable frequency of Very Heavy & Extremely Heavy rainfall events, and maximum probable frequency of Heavy, Very Heavy & Extremely Heavy rainfall events. For extracting maximum probable frequency, we have considered the maximum frequency among all the rain gauge stations in the district for the selected period. The hazard caused by the extreme rainfall event is generally not limited to a point station where the observation is made but may spread wider areas of the district and cause an impact on increasing flood events, water quality, health, and other societal problems. Thus the climatology of the frequency of extreme rainfall events is helpful to identify the districts vulnerable to frequent extreme rainfall events.

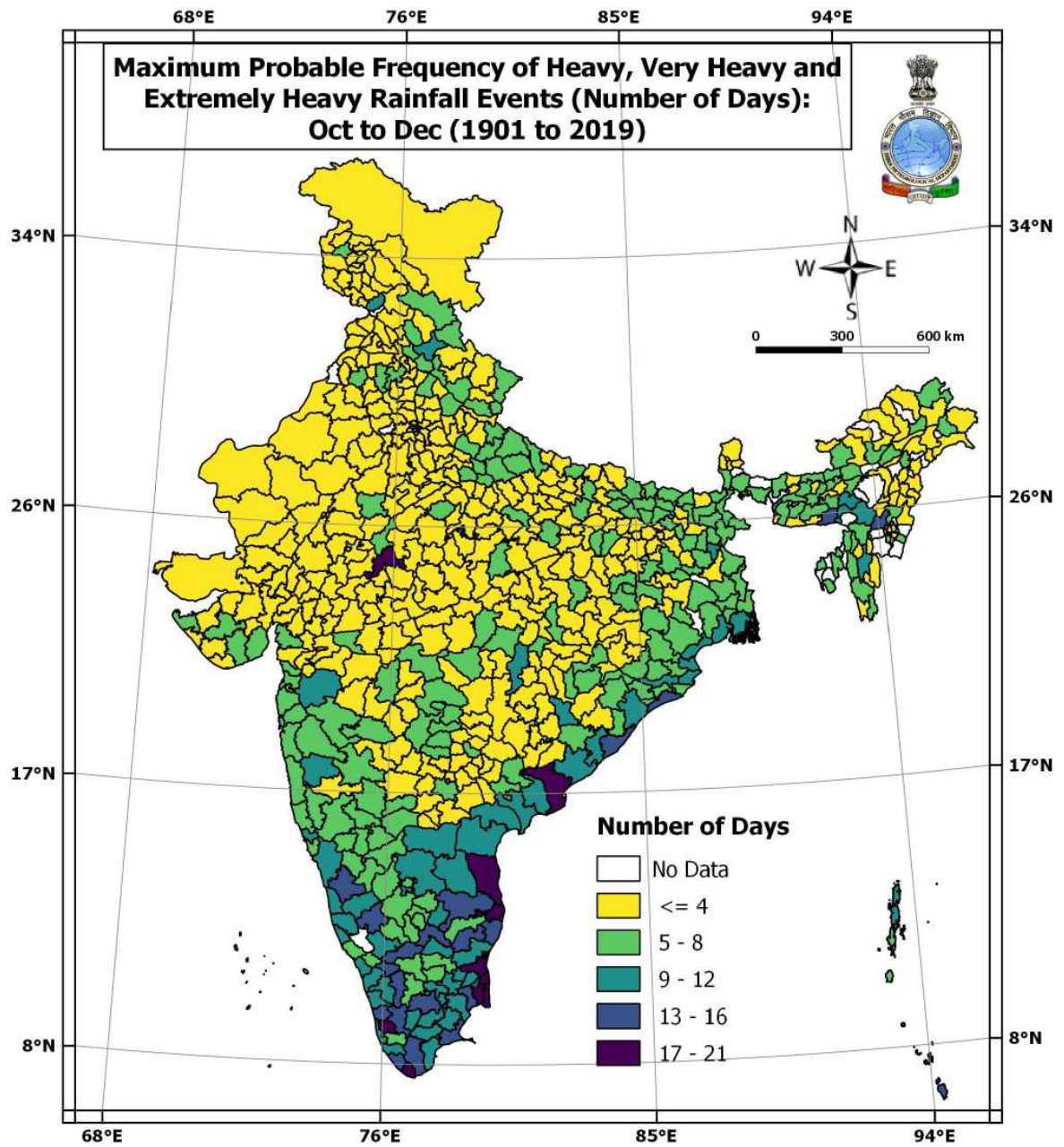
The terminologies used by the India Meteorological Department for different categories of Intensity of Rainfall (in 24 hours):

S. No.	Terminology	Rainfall range in mm	Rainfall range in cm	Percentile
1	Very Light Rainfall	Trace-2.4		
2	Light Rainfall	2.5-15.5	Upto 1	Upto 65
3	Moderate Rainfall	15.6-64.4	02-06	65-95
4	Heavy Rainfall	64.5-115.5	07-11	95-99
5	Very Heavy Rainfall	115.6-204.4	12-20	99-99.9
6	Extremely Heavy RF	≥ 204.5	21 cm or more	>99.9
7	Exceptionally Heavy RF	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm.		

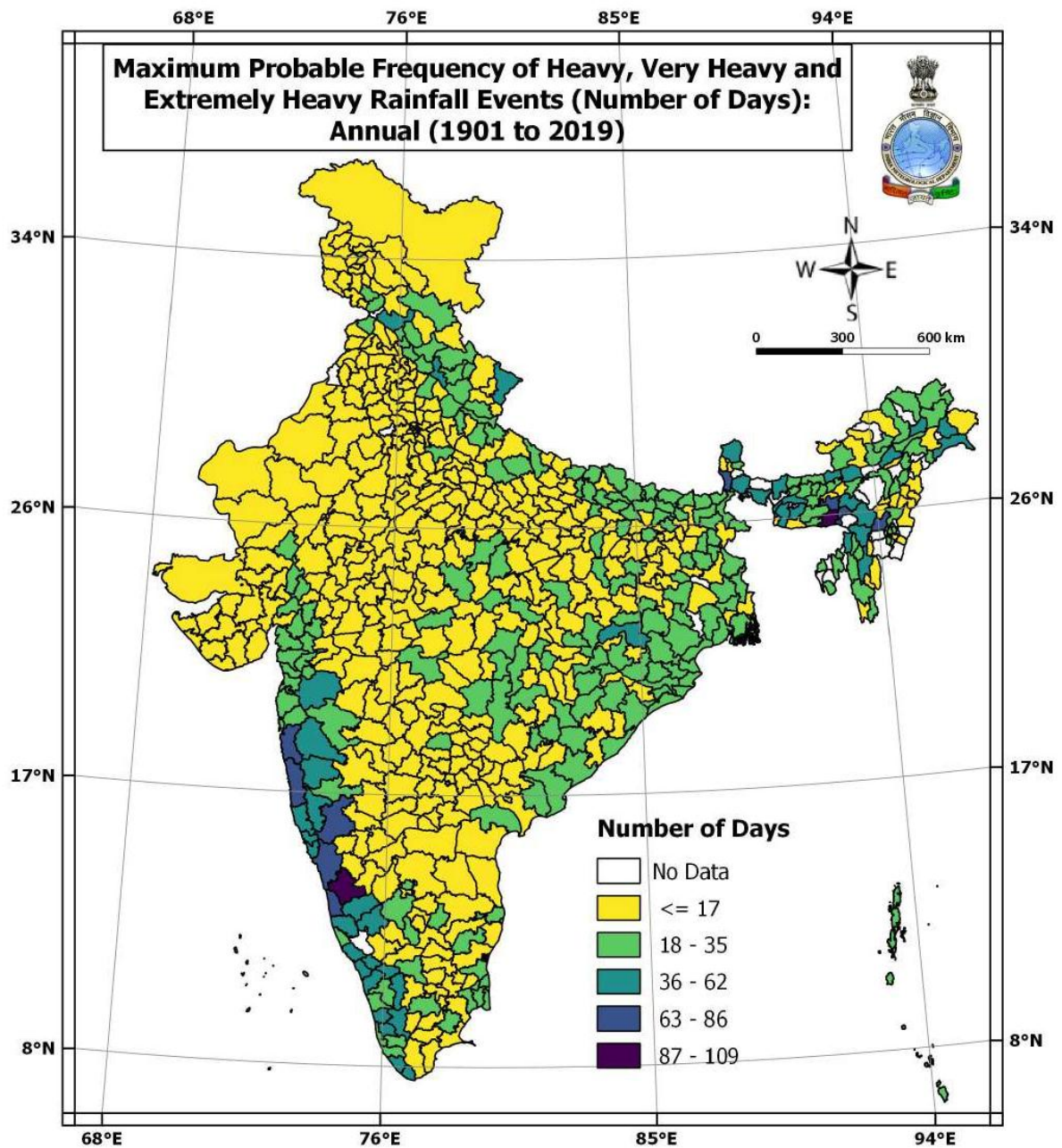
**However, the extreme rainfall analysis is done only for three categories viz., Heavy RF, Very Heavy RF and Extremely Heavy RF. The figures below give the**

maximum probable frequency of all categories of Heavy RF events for the two monsoon seasons and on Annual Scale. The information on the monthly scale for different decades during the period 1951-2019 is available in the website.









The ever recorded highest rainfall in all the stations in the coastal districts based on the available data for the period (1901-2020) is given in Table 1. The coastal districts are selected based on the paper M. Mohapatra , "Cyclone hazard proneness of districts of India", J. Earth Syst. Sci. 124, No. 3, April 2015, pp. 515-526.

Table -1

STATE NAME	DIST. NAME	STATION	HRF(mm)	HRF_DATE
ANDHRA PRADESH	CHITTOR	GUDIPALA	137	28-11-2008
ANDHRA PRADESH	CHITTOR	KUPPAM	185	26- 9-1978
ANDHRA PRADESH	CHITTOR	RAMAKUPPAM	204	14- 6-1996
ANDHRA PRADESH	CHITTOR	THIRUPATHI(U)	192.6	23-11-2005
ANDHRA PRADESH	CHITTOR	VARADAIHPALEM	202.4	3/12/2005
ANDHRA PRADESH	CHITTOR	YERRAVARIPALEM	212.8	4/12/2005
ANDHRA PRADESH	CHITTOR	SANTHIPURAM	129.6	14- 6-1996
ANDHRA PRADESH	CHITTOR	VIJAYAPURAM	210	11/12/1996
ANDHRA PRADESH	CHITTOR	VENKATAGIRIKOTA	200.7	23- 9-1903
ANDHRA PRADESH	CHITTOR	PALAMNER	217.2	20- 5-1943
ANDHRA PRADESH	CHITTOR	PUNGANUR	199.4	7/7/1994
ANDHRA PRADESH	CHITTOR	MADANAPALLI	203	10/8/1990
ANDHRA PRADESH	CHITTOR	VAYALPAD	182.1	19- 5-1943
ANDHRA PRADESH	CHITTOR	PILER%PILERU	180	20-12-2007
ANDHRA PRADESH	CHITTOR	PEDDATIPPA SAMU	177.8	22-10-1954
ANDHRA PRADESH	CHITTOR	RAMAPURAM	237.7	19- 5-1943
ANDHRA PRADESH	CHITTOR	AROGYAVARAM	157.7	22-10-1954
ANDHRA PRADESH	CHITTOR	KALAKADA	178.4	27-11-2020
ANDHRA PRADESH	CHITTOR	TAVANAMPALLE	190.5	9/11/1946
ANDHRA PRADESH	CHITTOR	AROGYAVARAM	138.2	30-10-1991
ANDHRA PRADESH	CHITTOR	HORLEYHILLS	33	26- 9-1979
ANDHRA PRADESH	CHITTOR	BAHUDH PROJ.	118	30-10-1991
ANDHRA PRADESH	CHITTOR	BAIREDDIPALLI	265	30-10-1991
ANDHRA PRADESH	CHITTOR	GUDUPALLI	120.4	12/10/2001
ANDHRA PRADESH	CHITTOR	GURRAMKONDA	269.2	14- 6-1996
ANDHRA PRADESH	CHITTOR	KURABALAKOTA	220.8	14- 6-1996
ANDHRA PRADESH	CHITTOR	NIMMANAPALLI	156.7	7/5/1995
ANDHRA PRADESH	CHITTOR	PEDDAMANDYAM	216.7	14- 6-1996
ANDHRA PRADESH	CHITTOR	PENCHAPADU	123.5	30-10-1991
ANDHRA PRADESH	CHITTOR	RAMASAMUDRAM	123.6	24- 8-2012
ANDHRA PRADESH	CHITTOR	ROYALPET	89.6	30-10-1991
ANDHRA PRADESH	CHITTOR	SOMALA	153	14- 6-1996
ANDHRA PRADESH	CHITTOR	THAMBALAPALLI	189	30-10-1991
ANDHRA PRADESH	CHITTOR	AROGYAVARAM	64	20- 5-2016
ANDHRA PRADESH	CHITTOR	SATYAVEDU	338.3	10/12/1901
ANDHRA PRADESH	CHITTOR	PUTTUR	254	17- 1-1906
ANDHRA PRADESH	CHITTOR	KALAHASTI	458.4	25-11-1976



ANDHRA PRADESH	CHITTOR	TIRUPATI	264.9	17- 1-1906
ANDHRA PRADESH	CHITTOR	CHANDRAGIRI	271.5	17- 1-1906
ANDHRA PRADESH	CHITTOR	PAKALA	251.5	22-11-1915
ANDHRA PRADESH	CHITTOR	CHITTOOR	227.3	30-11-1930
ANDHRA PRADESH	CHITTOR	B.K.PET	231.1	26-10-1944
ANDHRA PRADESH	CHITTOR	SODAM	221	8/5/1930
ANDHRA PRADESH	CHITTOR	PISATHUR%PROJECT	237.5	4/11/1957
ANDHRA PRADESH	CHITTOR	SURTHAPALLI/ANC	244.9	11/11/1960
ANDHRA PRADESH	CHITTOR	SWARNAMUKHI%ANIC	466.6	25-11-1976
ANDHRA PRADESH	CHITTOR	SURTHAPALLY(CR)	206.9	24-12-1983
ANDHRA PRADESH	CHITTOR	VALAGALAMANDA	466.6	25-11-1976
ANDHRA PRADESH	CHITTOR	PALACHUR%ANICUT	466.6	23-11-1976
ANDHRA PRADESH	CHITTOR	SIDDALAGANDI	159	24- 9-1974
ANDHRA PRADESH	CHITTOR	TIRUPATI	191.4	20-12-2007
ANDHRA PRADESH	CHITTOR	MALLIMUDUGU RESE	210	25-11-1976
ANDHRA PRADESH	CHITTOR	TIRUPATI AERO	219	16-11-2015
ANDHRA PRADESH	CHITTOR	KALANGI RESERVOI	493.5	25-11-1976
ANDHRA PRADESH	CHITTOR	ARANJAR PROJECT	258.6	25-11-1976
ANDHRA PRADESH	CHITTOR	GOLLAPALLE	115	1/9/2009
ANDHRA PRADESH	CHITTOR	KALIKIRI	181.2	20-12-2007
ANDHRA PRADESH	CHITTOR	KARVETINAGAR	216.4	29-10-1991
ANDHRA PRADESH	CHITTOR	KOTALAM	105.3	30-10-1991
ANDHRA PRADESH	CHITTOR	MOLAKALACHERUVU	185.4	14- 6-1996
ANDHRA PRADESH	CHITTOR	NAGARI	221	14- 6-1996
ANDHRA PRADESH	CHITTOR	NAGULAPURAM	210.6	15-11-1991
ANDHRA PRADESH	CHITTOR	NARAYANAVARAM	202.4	6/10/2001
ANDHRA PRADESH	CHITTOR	NINDRA	182.6	15-11-1991
ANDHRA PRADESH	CHITTOR	PANATOOR	140	7/7/1989
ANDHRA PRADESH	CHITTOR	PENUMUR	148.3	29-10-1991
ANDHRA PRADESH	CHITTOR	PULICHERLA	195.2	20-12-2007
ANDHRA PRADESH	CHITTOR	PUTHALAPAT	145	15-11-1991
ANDHRA PRADESH	CHITTOR	RENIGUNTA	219.6	14- 6-1996
ANDHRA PRADESH	CHITTOR	ROMPICHERLA	198.8	7/7/1994
ANDHRA PRADESH	CHITTOR	VADAMALAPET	210.4	22- 2-2000
ANDHRA PRADESH	CHITTOR	VEDURUKUPPAM	211.6	14- 6-1996
ANDHRA PRADESH	CHITTOR	YADAMARI	150.6	20-12-2007
ANDHRA PRADESH	CHITTOR	YERPEDU	217.6	14- 6-1996
ANDHRA PRADESH	CHITTOR	TIRUMALA/TIRUPAT	219	16-11-2015
ANDHRA PRADESH	CHITTOR	PERUMALLAPALLE	100	11/9/2013
ANDHRA PRADESH	CHITTOR	TIRUMALA	301	10/11/2015
ANDHRA PRADESH	CHITTOR	TIRUPATI AGRO	139	16-11-2015
ANDHRA PRADESH	CHITTOR	PALASAMURDRAM	226.4	14- 6-1996
ANDHRA PRADESH	CHITTOR	THOTTAMBEDU	246.2	29-10-2007
ANDHRA PRADESH	EAST GODAVARI	ALAMUR%ALAMAR	388.1	26- 9-1908

ANDHRA PRADESH	EAST GODAVARI	KOTHAPETA	360	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	RAZOLE%RAJOLE	270.5	16-11-1923
ANDHRA PRADESH	EAST GODAVARI	RALLI	630	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	SAKHINETIPALLI	300.2	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	MUKKAMALA	266	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	DOWLESHWARAM	256.6	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	KULLA	248.2	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	ALAMURU	281	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	MONDEPULANKA	225	27-11-1976
ANDHRA PRADESH	EAST GODAVARI	BOBBERLANKA	251.2	19-11-1977
ANDHRA PRADESH	EAST GODAVARI	VISESWARAM	119.9	12/8/1958
ANDHRA PRADESH	EAST GODAVARI	GOKAVARAM	178	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	KADIAM	326.6	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	KOTHAPETA	360	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	MANDAPETA	208.4	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	KAPILESWARPURAM	337	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	RAMACHANDRAPURAM	369.1	27- 9-1908
ANDHRA PRADESH	EAST GODAVARI	KAKINADA	501.4	2/6/1941
ANDHRA PRADESH	EAST GODAVARI	CORINGA%CORINZA	397.5	30-10-1902
ANDHRA PRADESH	EAST GODAVARI	MUMMIDIVARAM	414	9/10/1995
ANDHRA PRADESH	EAST GODAVARI	AMALAPURAM	386	7/11/1996
ANDHRA PRADESH	EAST GODAVARI	BICCAVOLE	431.8	20-10-1958
ANDHRA PRADESH	EAST GODAVARI	ANNAMPALLY	321.3	19-10-1958
ANDHRA PRADESH	EAST GODAVARI	VELLA	287	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	KAKINADA	337	11/10/1959
ANDHRA PRADESH	EAST GODAVARI	YERRAPOTHAVARAM	278	11/5/1990
ANDHRA PRADESH	EAST GODAVARI	CHINTAPALLI	273.1	5/7/1958
ANDHRA PRADESH	EAST GODAVARI	KAKINADA	310	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	BIKKAVOLU	215	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	KAJULURU	213	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	KARAPA	292.4	7/11/1996
ANDHRA PRADESH	EAST GODAVARI	PAMARRU	260.4	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	PEDAPUDI	192.8	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	TALLAREVU	440.2	7/11/1996
ANDHRA PRADESH	EAST GODAVARI	UPPALAGUPTAM	308	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	ANAPARPHI	220.4	28- 7-1989
ANDHRA PRADESH	EAST GODAVARI	RAJAHMUNDRY	333.5	26- 9-1908
ANDHRA PRADESH	EAST GODAVARI	R.CHODAVARAM	257.8	19-10-1933
ANDHRA PRADESH	EAST GODAVARI	GOPALAPURAM	357.5	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	DEVIPATNAM	306.6	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	CHINTALAPUDI	238.2	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	RAJAHMUNDRY	233.4	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	Y.RAMAVARAM	281.4	20- 9-2005
ANDHRA PRADESH	EAST GODAVARI	KUTRAVADA	290	23- 7-1989

ANDHRA PRADESH	EAST GODAVARI	RAMPACHODAVARAM	230.6	11/5/1990
ANDHRA PRADESH	EAST GODAVARI	GANDEPALLI	292.6	1/11/2010
ANDHRA PRADESH	EAST GODAVARI	KUNAVARAM	486.8	20- 9-2005
ANDHRA PRADESH	EAST GODAVARI	KORUKONDA	198	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	MAMIDIKUDURU	309.8	20- 9-2005
ANDHRA PRADESH	EAST GODAVARI	PURUSHOTHAPURAM	222	11/5/1990
ANDHRA PRADESH	EAST GODAVARI	RAJANAGARAM	275	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	RAMPACHODAVARAM	339	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	RANGAMPETA	156.6	4/8/2006
ANDHRA PRADESH	EAST GODAVARI	GOKAVAM	278	13- 8-1986
ANDHRA PRADESH	EAST GODAVARI	MAREDUMILLI	232.4	4/8/2006
ANDHRA PRADESH	EAST GODAVARI	CHINTUR	340	20- 9-2005
ANDHRA PRADESH	EAST GODAVARI	KOTHAPALLI	280	25- 9-1997
ANDHRA PRADESH	EAST GODAVARI	TUNI	355	10/5/1990
ANDHRA PRADESH	EAST GODAVARI	PITHAPURAM	244.2	25- 9-1997
ANDHRA PRADESH	EAST GODAVARI	PRATHIPADU	299	10/5/1990
ANDHRA PRADESH	EAST GODAVARI	PEDDAPURAM	269.4	11/5/1990
ANDHRA PRADESH	EAST GODAVARI	ELESWARAM	266	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	YELLAVARAM	327.2	26- 9-1949
ANDHRA PRADESH	EAST GODAVARI	GANGAVARAM	212	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	GOLLAPROLU	180.2	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	JAGGAMPETA	197	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	ANNAVARAM	175	8/11/1969
ANDHRA PRADESH	EAST GODAVARI	ADDATIGALA	321.4	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	TUNI	196.3	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	KIRLAMPUDI	349.4	1/11/2010
ANDHRA PRADESH	EAST GODAVARI	KOTANANDURU	210.6	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	RAYAVARAM	249.8	20- 9-2005
ANDHRA PRADESH	EAST GODAVARI	SAMALKOTA	173.2	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	SANKHAVARAM	263.8	3/10/1996
ANDHRA PRADESH	EAST GODAVARI	SITANAGARAM	207	23- 7-1989
ANDHRA PRADESH	EAST GODAVARI	THONDANGI	224.2	4/11/2012
ANDHRA PRADESH	EAST GODAVARI	RAJAVOMMANGI	300	17- 6-1996
ANDHRA PRADESH	EAST GODAVARI	PEDDAPURAM	119	13- 8-2018
ANDHRA PRADESH	EAST GODAVARI	PRATHIPADU	47	21- 6-2019
ANDHRA PRADESH	EAST GODAVARI	RATULAPUDI	210.6	4/11/2012
ANDHRA PRADESH	GUNTUR	MACHAVARAM	187	21- 5-2010
ANDHRA PRADESH	GUNTUR	RAJUPALEM	185.6	23- 8-2003
ANDHRA PRADESH	GUNTUR	BAPATLA	489	10/5/1990
ANDHRA PRADESH	GUNTUR	KANUPARTHI	287	21-10-1939
ANDHRA PRADESH	GUNTUR	NIZAMAPATNAM	280.6	10/5/1990
ANDHRA PRADESH	GUNTUR	NALLVADA	352	10/5/1990
ANDHRA PRADESH	GUNTUR	NALLAMADA LOCK	384	10/5/1990
ANDHRA PRADESH	GUNTUR	NALLAMADA SURPLU	485	10/5/1990

ANDHRA PRADESH	GUNTUR	KORTHOTA-MARTHOT	342	17-10-1969
ANDHRA PRADESH	GUNTUR	ADVAIPALEM	430.2	17-10-1969
ANDHRA PRADESH	GUNTUR	BAPATLA	150	12/9/2013
ANDHRA PRADESH	GUNTUR	BAPATLA	250.6	22- 6-2007
ANDHRA PRADESH	GUNTUR	NIZAMAPATNAM	248.2	22- 6-2007
ANDHRA PRADESH	GUNTUR	GURJALA%GURUJALA	171.5	19-10-1945
ANDHRA PRADESH	GUNTUR	MACHARLA	293	26-10-2014
ANDHRA PRADESH	GUNTUR	VENUKONDA	319.8	20-12-1906
ANDHRA PRADESH	GUNTUR	RENTACHINTALA	227	29- 9-1964
ANDHRA PRADESH	GUNTUR	VINUKONDA	92.3	21-11-1974
ANDHRA PRADESH	GUNTUR	PIDUGURALLA	269	19- 9-2006
ANDHRA PRADESH	GUNTUR	IPOUR	152.4	4/11/1987
ANDHRA PRADESH	GUNTUR	IPOUR	174.4	21- 5-2010
ANDHRA PRADESH	GUNTUR	KARAMPUDI	184	2/10/1994
ANDHRA PRADESH	GUNTUR	KAREMPUDI	197	22- 9-1991
ANDHRA PRADESH	GUNTUR	PIDUGURALLA	129.5	22- 9-1991
ANDHRA PRADESH	GUNTUR	RENTACHINTALA	440.4	22- 9-1991
ANDHRA PRADESH	GUNTUR	ROMPICHERLA	210.4	28-11-1997
ANDHRA PRADESH	GUNTUR	SANTHGUDIPADU	94	28-10-1981
ANDHRA PRADESH	GUNTUR	VINUKONDA	245.2	21- 5-2010
ANDHRA PRADESH	GUNTUR	J.MAHESWARAPURAM	230.2	13- 9-2016
ANDHRA PRADESH	GUNTUR	ADIGAPALO	96	2/9/1983
ANDHRA PRADESH	GUNTUR	BOMMAPAJUPALLI	146.2	4/11/1987
ANDHRA PRADESH	GUNTUR	DACHEPALLE	320.6	22- 9-1991
ANDHRA PRADESH	GUNTUR	DURGI	205	30- 9-2001
ANDHRA PRADESH	GUNTUR	BOLLAPALLE	283	23- 8-2000
ANDHRA PRADESH	GUNTUR	GUNTUR	400.2	20-11-1977
ANDHRA PRADESH	GUNTUR	MANGALGIRI	223.5	18- 5-1969
ANDHRA PRADESH	GUNTUR	SATHENAPALLI	236.2	2/11/1927
ANDHRA PRADESH	GUNTUR	TENALI	257.5	19-10-1982
ANDHRA PRADESH	GUNTUR	RAPALLE	475	20-11-1977
ANDHRA PRADESH	GUNTUR	PONNUR%PONNURU	360	20-11-1977
ANDHRA PRADESH	GUNTUR	NARASARAOPET	702	7/11/1998
ANDHRA PRADESH	GUNTUR	DUGGIRALA	200	17- 5-1969
ANDHRA PRADESH	GUNTUR	KUCHIPUDI	256	2/11/1994
ANDHRA PRADESH	GUNTUR	INTUR	312.5	10/5/1990
ANDHRA PRADESH	GUNTUR	PEDAGAMJAM	196	26-11-1972
ANDHRA PRADESH	GUNTUR	RAVINDRAPADU	155.5	2/11/1994
ANDHRA PRADESH	GUNTUR	KOLLURU	265.2	17-10-1969
ANDHRA PRADESH	GUNTUR	VELLATUR	245	17-10-1969
ANDHRA PRADESH	GUNTUR	PIDAPARRU	324	2/11/1994
ANDHRA PRADESH	GUNTUR	JAGARLAMUDI	235	16- 8-1980
ANDHRA PRADESH	GUNTUR	KOLLIMERLA	364.8	10/5/1990
ANDHRA PRADESH	GUNTUR	AMARAUUALI	190.6	19- 5-1969

ANDHRA PRADESH	GUNTUR	AMARTHALUR	241.2	2/11/1994
ANDHRA PRADESH	GUNTUR	NARASARAOPET	170.4	20-10-1982
ANDHRA PRADESH	GUNTUR	AMARAVATHI	194.2	20- 9-2005
ANDHRA PRADESH	GUNTUR	CHILAKALURIPET	213.6	24- 9-1997
ANDHRA PRADESH	GUNTUR	CHEBROLU	281	10/8/2008
ANDHRA PRADESH	GUNTUR	CHILAKALURIPET	170.2	1/11/1994
ANDHRA PRADESH	GUNTUR	EDLAPADU	221	24- 9-1997
ANDHRA PRADESH	GUNTUR	KOLLIPARA	240.8	31-10-2006
ANDHRA PRADESH	GUNTUR	MADIPADU	166.2	6/10/1994
ANDHRA PRADESH	GUNTUR	NADENDLA	179.6	24- 9-1997
ANDHRA PRADESH	GUNTUR	NUZENDLA	271.4	21- 5-2010
ANDHRA PRADESH	GUNTUR	PEDAKURAPADU	230.4	8/7/2010
ANDHRA PRADESH	GUNTUR	PEDANANDIPADU	240	24- 9-1997
ANDHRA PRADESH	GUNTUR	PHIRANGIPURAM	216.3	2/11/1994
ANDHRA PRADESH	GUNTUR	PRATHIPADU	161	2/11/1994
ANDHRA PRADESH	GUNTUR	TADEPALLE	178.2	21- 5-2010
ANDHRA PRADESH	GUNTUR	TADIKONDA	140	20- 9-2005
ANDHRA PRADESH	GUNTUR	THULLUR	183	20- 9-2005
ANDHRA PRADESH	GUNTUR	VATTICHERUKURU	256.4	2/11/1994
ANDHRA PRADESH	GUNTUR	LAM AGRO	121	15- 9-2019
ANDHRA PRADESH	GUNTUR	REPALLE	90.2	11/8/2018
ANDHRA PRADESH	GUNTUR	ATCHEMPET	168	6/10/1994
ANDHRA PRADESH	GUNTUR	NAKRIKALLU	165	21- 5-2010
ANDHRA PRADESH	GUNTUR	NAGARAM	279.8	2/11/1994
ANDHRA PRADESH	GUNTUR	BUGGUAGU	101.6	19-10-1982
ANDHRA PRADESH	KRISHNA	AVANIGADDA	500	17-10-1969
ANDHRA PRADESH	KRISHNA	GUDIVADA	361.2	30- 9-2001
ANDHRA PRADESH	KRISHNA	GANNAVARAM	203.7	31- 7-1933
ANDHRA PRADESH	KRISHNA	NUZVIDU	275.2	23- 7-1989
ANDHRA PRADESH	KRISHNA	VIJAYAWADA	323.9	17- 5-1925
ANDHRA PRADESH	KRISHNA	JAGGIAYAPET	260.8	9/8/2008
ANDHRA PRADESH	KRISHNA	NANDIGAMA	257.3	29-10-1936
ANDHRA PRADESH	KRISHNA	GANNAVARAM AERO	209.1	10/5/1990
ANDHRA PRADESH	KRISHNA	LAKSHMIPURAM	166.4	23- 7-1989
ANDHRA PRADESH	KRISHNA	VEERANKI LOK	243	17-10-1969
ANDHRA PRADESH	KRISHNA	PAMARRU	608.2	31-10-2006
ANDHRA PRADESH	KRISHNA	KESARIPALLI	164	23- 7-1989
ANDHRA PRADESH	KRISHNA	KAKKIPADU	268.8	6/10/1994
ANDHRA PRADESH	KRISHNA	VALLURIPALEM LOK	242.5	6/10/1994
ANDHRA PRADESH	KRISHNA	T.KOTHAPALEM	509.3	17-10-1969
ANDHRA PRADESH	KRISHNA	RAMIREDDIPALLI	357	19- 9-1988
ANDHRA PRADESH	KRISHNA	MUTCHINTALA	290	22- 9-1991
ANDHRA PRADESH	KRISHNA	KOMATIGUNTA LOK	191.4	17-10-1969
ANDHRA PRADESH	KRISHNA	PERIKEDU	268.4	10/5/1990

ANDHRA PRADESH	KRISHNA	VIJAYAWADA LOCK	289.6	19- 5-1969
ANDHRA PRADESH	KRISHNA	NIMMAGADDA LOCK	385.3	17-10-1969
ANDHRA PRADESH	KRISHNA	PULIGADDA LOCK	495	17-10-1969
ANDHRA PRADESH	KRISHNA	VIJAYAWADA	354	18- 9-2006
ANDHRA PRADESH	KRISHNA	GURIVINDLAPALLI	330.2	17-10-1969
ANDHRA PRADESH	KRISHNA	MUNGAPADU LOCK	163	5/9/1968
ANDHRA PRADESH	KRISHNA	MARUSUMALLI	304	6/10/1994
ANDHRA PRADESH	KRISHNA	KONAYAGANDI	142.2	8/11/1969
ANDHRA PRADESH	KRISHNA	CHIMALAPADU	381	22- 7-1968
ANDHRA PRADESH	KRISHNA	GANAVARAM	420	6/10/1994
ANDHRA PRADESH	KRISHNA	GARIKAPADU	157.4	20- 5-1969
ANDHRA PRADESH	KRISHNA	PULIVAGU%AMIEN	120	8/11/1969
ANDHRA PRADESH	KRISHNA	PALERU BRIDGE	209.8	9/8/2008
ANDHRA PRADESH	KRISHNA	VEDADRI	113.2	27- 8-1996
ANDHRA PRADESH	KRISHNA	PRAKASAN BARRAGE	999.9	26- 8-2009
ANDHRA PRADESH	KRISHNA	NANDIGAMA	171.2	20- 9-2005
ANDHRA PRADESH	KRISHNA	AGIRIPALLI	245.4	23- 7-1989
ANDHRA PRADESH	KRISHNA	CHALLAPALLI	241.4	31-10-2006
ANDHRA PRADESH	KRISHNA	CHANDARLAPADU	162.2	23- 8-2000
ANDHRA PRADESH	KRISHNA	CHANDRAGUDAM	285	2/11/1994
ANDHRA PRADESH	KRISHNA	CHINTALAVALLI	166.2	23- 7-1989
ANDHRA PRADESH	KRISHNA	DUGGIRALAPADU	300	22- 7-1989
ANDHRA PRADESH	KRISHNA	GAMPALAGUDEM	244.8	20- 9-2005
ANDHRA PRADESH	KRISHNA	GHANTASALA	263.7	31-10-2006
ANDHRA PRADESH	KRISHNA	IBRAHIMPATNAM	230	16-10-1995
ANDHRA PRADESH	KRISHNA	JAGGAIHPET	145.4	23- 7-1989
ANDHRA PRADESH	KRISHNA	KANCHIKACHERLA	207.2	23- 7-1989
ANDHRA PRADESH	KRISHNA	NANDIWADA	244.8	31-10-2006
ANDHRA PRADESH	KRISHNA	NUZIVEEDU	78	6/8/1993
ANDHRA PRADESH	KRISHNA	PENAMALURU	140.2	6/10/1994
ANDHRA PRADESH	KRISHNA	PENUGANCHIPROLU	260	23- 8-2000
ANDHRA PRADESH	KRISHNA	RAMANAKKAPET	375	23- 7-1989
ANDHRA PRADESH	KRISHNA	REDDIGUDEM	256	23- 7-1989
ANDHRA PRADESH	KRISHNA	UNGUTURU	180.6	16-10-1995
ANDHRA PRADESH	KRISHNA	VATSAVAI	260.8	23- 7-1989
ANDHRA PRADESH	KRISHNA	VISANNAPET(NSP)	262.8	23- 7-1989
ANDHRA PRADESH	KRISHNA	VISSANNAPET	306	23- 7-1989
ANDHRA PRADESH	KRISHNA	VUYYURU	189.4	2/11/1994
ANDHRA PRADESH	KRISHNA	VUYYURU	77	25- 9-2019
ANDHRA PRADESH	KRISHNA	AVANIGADDA	8	7/6/2017
ANDHRA PRADESH	KRISHNA	NANDIGAMA	101	14-10-2020
ANDHRA PRADESH	KRISHNA	VIJAYAWADA	101	13-10-2020
ANDHRA PRADESH	KRISHNA	PENDRAKA	383	28-10-1949
ANDHRA PRADESH	KRISHNA	MANGINAPUDI	297.7	29-10-1902



ANDHRA PRADESH	KRISHNA	MUSULIPATNAM	464.7	6/11/1968
ANDHRA PRADESH	KRISHNA	KAIKALUR	240.8	19-10-1933
ANDHRA PRADESH	KRISHNA	TADIVADA%TADINAD	292	10/5/1990
ANDHRA PRADESH	KRISHNA	NIDUMOLU LOK	264.2	5/8/1954
ANDHRA PRADESH	KRISHNA	KAVUTARAM	234	17-10-1969
ANDHRA PRADESH	KRISHNA	KODERU I.B.(LOK)	413.4	17-10-1969
ANDHRA PRADESH	KRISHNA	BANDARTIDAL LOK	429.3	6/11/1968
ANDHRA PRADESH	KRISHNA	AKUMARRU	479.5	6/11/1968
ANDHRA PRADESH	KRISHNA	VINJARAM	160	23- 7-1989
ANDHRA PRADESH	KRISHNA	KAMALAPURAM	279	22-10-1963
ANDHRA PRADESH	KRISHNA	MASULIPATNAM CDR	341.9	30-10-2006
ANDHRA PRADESH	KRISHNA	BANTUMILLI	280.3	16- 6-1996
ANDHRA PRADESH	KRISHNA	ENANUMANDI	254	10/5/1990
ANDHRA PRADESH	KRISHNA	KODURU	461.6	16-12-2003
ANDHRA PRADESH	KRISHNA	PEDANA	324.6	31-10-2006
ANDHRA PRADESH	KRISHNA	POLAVARAM	360	24- 7-1989
ANDHRA PRADESH	KRISHNA	TIRUVUR%TIRUVVURU	378	23- 7-1989
ANDHRA PRADESH	KRISHNA	POLAMPALLI	381	12/5/1990
ANDHRA PRADESH	KRISHNA	IPPALAVAGU%ANICU	158.6	12/8/1986
ANDHRA PRADESH	KRISHNA	CHATRAI	325	23- 7-1989
ANDHRA PRADESH	KRISHNA	CHATRAI	325	23- 7-1989
ANDHRA PRADESH	KRISHNA	TIRUVUR(NSPCAN)	328	23- 7-1989
ANDHRA PRADESH	KRISHNA	TIRUVURU	132	10/8/2017
ANDHRA PRADESH	KRISHNA	BADAMERU	190.5	2/9/1983
ANDHRA PRADESH	NELLORE	VENKATAGIRI	347.4	18-10-1996
ANDHRA PRADESH	NELLORE	KALANGI	229.6	20-11-1960
ANDHRA PRADESH	NELLORE	CHILLAKUR	313	16-10-2001
ANDHRA PRADESH	NELLORE	SULLURPET	422.6	14-11-1984
ANDHRA PRADESH	NELLORE	TADA	419.9	8/10/1943
ANDHRA PRADESH	NELLORE	PUMBLI	255.8	24-10-1962
ANDHRA PRADESH	NELLORE	SHAR	168	4/12/2012
ANDHRA PRADESH	NELLORE	UDAYAGIRI	502.2	19-10-1996
ANDHRA PRADESH	NELLORE	NELLORE	523.4	3/11/1987
ANDHRA PRADESH	NELLORE	GUDUR	555.4	31-10-2006
ANDHRA PRADESH	NELLORE	RAPUR	294.6	17-11-2015
ANDHRA PRADESH	NELLORE	ATMAKUR	238.8	27-11-1907
ANDHRA PRADESH	NELLORE	BUCHIREDDIPALEM	279.4	30-10-2007
ANDHRA PRADESH	NELLORE	SANGAM	227.8	21-11-1956
ANDHRA PRADESH	NELLORE	NELLORE ANICUT	286.6	24-10-1971
ANDHRA PRADESH	NELLORE	SURVEYPALLI	322.6	22- 5-1952
ANDHRA PRADESH	NELLORE	KOVUR	420	18-10-1976
ANDHRA PRADESH	NELLORE	PYDERU	315	26-11-1976
ANDHRA PRADESH	NELLORE	SOMA SILLA	235.7	27-10-1962
ANDHRA PRADESH	NELLORE	NELLORE	302	29-10-2007

ANDHRA PRADESH	NELLORE	KAVALI	355.1	30-10-2007
ANDHRA PRADESH	NELLORE	ADURUPALLI	269	16-11-1991
ANDHRA PRADESH	NELLORE	ALLUR	390.4	28-10-2005
ANDHRA PRADESH	NELLORE	ANANTHASAGARAM	220.2	2/11/2010
ANDHRA PRADESH	NELLORE	BALAYAPALLI	347.9	17-10-2001
ANDHRA PRADESH	NELLORE	CHEJARLA	242.6	2/11/2010
ANDHRA PRADESH	NELLORE	DAGADARTHI	319.2	31-10-2010
ANDHRA PRADESH	NELLORE	DAKKILI	299.6	17-10-2001
ANDHRA PRADESH	NELLORE	DUTTALUR	395.8	19-10-1996
ANDHRA PRADESH	NELLORE	GANDIPALEM	308	1/11/1994
ANDHRA PRADESH	NELLORE	GUDUR	309.6	16-10-2001
ANDHRA PRADESH	NELLORE	KAVALI	152	11/1/2012
ANDHRA PRADESH	NELLORE	NELLORE	193	28-11-2011
ANDHRA PRADESH	NELLORE	KAVALI	340.2	30-10-2007
ANDHRA PRADESH	NELLORE	ISAKAPALLY	340	2/10/1977
ANDHRA PRADESH	NELLORE	KRISHNAPATNAM	431	23-10-1969
ANDHRA PRADESH	NELLORE	NARUKUR	372.8	12/12/1969
ANDHRA PRADESH	NELLORE	KRISHNAPATNAM	133.5	4/12/2009
ANDHRA PRADESH	NELLORE	INDUKURPET	347.8	28-10-2005
ANDHRA PRADESH	NELLORE	LINGASAMUDRAM	185.4	22-10-1963
ANDHRA PRADESH	NELLORE	NAKKALAGANDI DAM	312.4	1/11/1994
ANDHRA PRADESH	NELLORE	SEETHARAMPURAM	403	19-10-1996
ANDHRA PRADESH	NELLORE	VINJAMUR	296.8	1/11/1994
ANDHRA PRADESH	NELLORE	BOGOLE	337.4	30-10-2007
ANDHRA PRADESH	NELLORE	BASINCHIPALLI	80.5	25-11-1972
ANDHRA PRADESH	PRAKASAM	MOPADA%MAIPADA	171.5	25-10-1953
ANDHRA PRADESH	PRAKASAM	GIDDALORE	181.6	23- 5-1952
ANDHRA PRADESH	PRAKASAM	ARDHAVEEDU	65.8	5/10/2017
ANDHRA PRADESH	PRAKASAM	ADDANKI	522.2	21- 5-2010
ANDHRA PRADESH	PRAKASAM	KANIGIRI	430	13- 5-1979
ANDHRA PRADESH	PRAKASAM	PODILI%PODILE	322.4	22- 7-1984
ANDHRA PRADESH	PRAKASAM	DARSI	283.7	20-12-1906
ANDHRA PRADESH	PRAKASAM	KANDUKUR	290.6	19-10-1996
ANDHRA PRADESH	PRAKASAM	MARKAPUR	400	13- 5-1979
ANDHRA PRADESH	PRAKASAM	CUMBAM	203.2	23- 9-1949
ANDHRA PRADESH	PRAKASAM	PANDUVGANDI DAM	225.3	23-11-1958
ANDHRA PRADESH	PRAKASAM	PALERUBITRAGUNT	219.4	16-10-1969
ANDHRA PRADESH	PRAKASAM	TIPPAYAPALEM	161.3	21-10-1963
ANDHRA PRADESH	PRAKASAM	DARSI	153	24-10-2013
ANDHRA PRADESH	PRAKASAM	CHEMAKURTI NSP	176	5/10/1994
ANDHRA PRADESH	PRAKASAM	BESTAVARIPETA	180.2	19-10-1996
ANDHRA PRADESH	PRAKASAM	KONAKANAMITTA	189.2	6/6/1991
ANDHRA PRADESH	PRAKASAM	MARRIPUDI	172	19-10-1996
ANDHRA PRADESH	PRAKASAM	MUNDLAMUR	230.4	21- 5-2010

ANDHRA PRADESH	PRAKASAM	RALLAPADU	176.6	31-10-1991
ANDHRA PRADESH	PRAKASAM	TARLUPADU	144.5	16- 7-1989
ANDHRA PRADESH	PRAKASAM	TATICHERLA	69	15-10-1969
ANDHRA PRADESH	PRAKASAM	TRIPURANTHAKAM	131	24- 9-1997
ANDHRA PRADESH	PRAKASAM	VELIGANDLA	198.4	17- 4-2006
ANDHRA PRADESH	PRAKASAM	VELLAMPALLI	235	17-11-1992
ANDHRA PRADESH	PRAKASAM	SANTARAVUR	221	22- 9-1949
ANDHRA PRADESH	PRAKASAM	CHINAGANJAM	311.5	18- 5-1969
ANDHRA PRADESH	PRAKASAM	PAKALA	304.8	29-10-1939
ANDHRA PRADESH	PRAKASAM	ONGOLE	265	23-11-1990
ANDHRA PRADESH	PRAKASAM	ONGOLE	323.5	20- 5-2010
ANDHRA PRADESH	PRAKASAM	SANTARAVUR	238	15- 8-1978
ANDHRA PRADESH	PRAKASAM	VADAREVU	147	6/7/1976
ANDHRA PRADESH	PRAKASAM	KAREMCHEDU	266.4	31-10-2006
ANDHRA PRADESH	PRAKASAM	VETAPALEM	342.4	30-10-2006
ANDHRA PRADESH	PRAKASAM	YERRAGONDAPALEM	176	23- 6-2007
ANDHRA PRADESH	PRAKASAM	SANTAMAGULURU	144.2	18- 8-2015
ANDHRA PRADESH	PRAKASAM	SANTHAMAGULUR	176	23- 8-2000
ANDHRA PRADESH	PRAKASAM	CHILAKALARIPET	228.6	10/5/1990
ANDHRA PRADESH	PRAKASAM	RACHERLA	186.2	26- 9-2020
ANDHRA PRADESH	PRAKASAM	TALLUR	262.2	21- 5-2010
ANDHRA PRADESH	PRAKASAM	CHIMATA	87.2	30-10-1972
ANDHRA PRADESH	SRIKAKULAM	HIRAMANDALAM	194.4	18- 6-1999
ANDHRA PRADESH	SRIKAKULAM	SRIKAKULAM	266.7	15-11-1901
ANDHRA PRADESH	SRIKAKULAM	PALAKONDA	278.9	18-11-1923
ANDHRA PRADESH	SRIKAKULAM	THOTAPALLI	217.2	19- 6-1953
ANDHRA PRADESH	SRIKAKULAM	THOTAPALLI	217.2	19- 6-1953
ANDHRA PRADESH	SRIKAKULAM	NARAYANPURAM	212	17-10-1982
ANDHRA PRADESH	SRIKAKULAM	NARADI BARRAGE	270	13- 6-1984
ANDHRA PRADESH	SRIKAKULAM	VOTTIGADDA	225	23- 9-1972
ANDHRA PRADESH	SRIKAKULAM	GOTTA	202.2	17-10-1982
ANDHRA PRADESH	SRIKAKULAM	GOTTABARRAGE	160	11/5/1990
ANDHRA PRADESH	SRIKAKULAM	VEERAGATTAM	221.2	4/8/2006
ANDHRA PRADESH	SRIKAKULAM	RANASTHALAM	263.4	4/8/2006
ANDHRA PRADESH	SRIKAKULAM	LAVERU	202	3/8/2006
ANDHRA PRADESH	SRIKAKULAM	NANDIGAM	193	18- 6-1999
ANDHRA PRADESH	SRIKAKULAM	PONDURU	180.2	10/5/1995
ANDHRA PRADESH	SRIKAKULAM	RAJAM	290.5	22-10-2005
ANDHRA PRADESH	SRIKAKULAM	SEETHAMPETA	233	4/8/2006
ANDHRA PRADESH	SRIKAKULAM	VANGARA	196	10/5/1995
ANDHRA PRADESH	SRIKAKULAM	RAGOLU	0	17-12-2011
ANDHRA PRADESH	SRIKAKULAM	PALAKONDA	18	11/8/2018
ANDHRA PRADESH	SRIKAKULAM	SOMPETA	286	23- 9-1972
ANDHRA PRADESH	SRIKAKULAM	PUNDI	254	1/11/1943

ANDHRA PRADESH	SRIKAKULAM	TEKKALI	289.6	18-11-1923
ANDHRA PRADESH	SRIKAKULAM	NARASANNAPETA	363.2	8/9/1955
ANDHRA PRADESH	SRIKAKULAM	KALINGAPATNAM	355.4	19- 9-2005
ANDHRA PRADESH	SRIKAKULAM	PATHAPATNAM	228.6	11/9/1972
ANDHRA PRADESH	SRIKAKULAM	GARA	236.4	19- 9-2005
ANDHRA PRADESH	SRIKAKULAM	JALUMURU	206.3	10/5/1995
ANDHRA PRADESH	SRIKAKULAM	KOTABOMMALI	222.6	19- 9-2005
ANDHRA PRADESH	SRIKAKULAM	MELIAPUTTI	173.4	3/7/2006
ANDHRA PRADESH	SRIKAKULAM	SANTHABOMMALI	220.5	28- 9-1995
ANDHRA PRADESH	SRIKAKULAM	ITCHAPURAM	351	19-11-1923
ANDHRA PRADESH	SRIKAKULAM	PALASA	232.4	16-10-1987
ANDHRA PRADESH	SRIKAKULAM	MANDASA	223.6	24-10-2019
ANDHRA PRADESH	SRIKAKULAM	KARIVALAGA	195.6	21-11-1977
ANDHRA PRADESH	VISAKHAPATNAM	CHIDAVARAM	322.6	17-10-1904
ANDHRA PRADESH	VISAKHAPATNAM	NARSIPATNAM	442.5	23- 9-1988
ANDHRA PRADESH	VISAKHAPATNAM	YELLAMANCHILI	465.8	13-10-2014
ANDHRA PRADESH	VISAKHAPATNAM	POLAVARAM	359.4	20-10-1958
ANDHRA PRADESH	VISAKHAPATNAM	PALAPARTHI	322.6	10/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	CHODYAM	502.2	11/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	CHINTAPALLI	379.5	11/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	TULABADA	287	22-10-1928
ANDHRA PRADESH	VISAKHAPATNAM	KOTHAKOTA	340.4	11/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	TANDAYA DAM SITE	337	11/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	RAIWADA CAMP	138.5	28- 7-1985
ANDHRA PRADESH	VISAKHAPATNAM	KALYANPURAM	370	11/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	K.D.PETA	508.2	11/5/1990
ANDHRA PRADESH	VISAKHAPATNAM	GOLUGONDA	184.2	20- 9-2005
ANDHRA PRADESH	VISAKHAPATNAM	KASIMKOTA	188.2	10/5/1995
ANDHRA PRADESH	VISAKHAPATNAM	KONAM	70	13-10-1992
ANDHRA PRADESH	VISAKHAPATNAM	KOTAVURTLA	200	4/11/2012
ANDHRA PRADESH	VISAKHAPATNAM	LALAMKODURU	87.4	23- 7-1989
ANDHRA PRADESH	VISAKHAPATNAM	LOTHUGADDA	56.3	18- 8-1989
ANDHRA PRADESH	VISAKHAPATNAM	MADUGULA	164.2	4/11/2012
ANDHRA PRADESH	VISAKHAPATNAM	NARSIPATNAM	100	23- 7-1989
ANDHRA PRADESH	VISAKHAPATNAM	VANTALAMAMIDI	100.4	15- 7-1989
ANDHRA PRADESH	VISAKHAPATNAM	ROLUGUNTA	278.2	4/11/2012
ANDHRA PRADESH	VISAKHAPATNAM	YELLAMANCHILLI	321	27-10-2013
ANDHRA PRADESH	VISAKHAPATNAM	CHINTAPALLI AGRO	61	19- 8-2017
ANDHRA PRADESH	VISAKHAPATNAM	BHIMUNIPATNAM	519.8	17-10-1982
ANDHRA PRADESH	VISAKHAPATNAM	VISAKHAPATNAM AP	400.6	13-10-2014
ANDHRA PRADESH	VISAKHAPATNAM	ANAKAPALLI	122.2	23- 7-1989
ANDHRA PRADESH	VISAKHAPATNAM	MALAKAPURAM	335.3	19-10-1958
ANDHRA PRADESH	VISAKHAPATNAM	ANAKAPALLI	282.2	22-10-1928
ANDHRA PRADESH	VISAKHAPATNAM	V'PATNAM PORT	246.2	23- 2-1998

ANDHRA PRADESH	VISAKHAPATNAM	WALTAIR(VIZAGPBO	371.2	17-10-1982
ANDHRA PRADESH	VISAKHAPATNAM	ANAKAPALLI	188.3	10/5/1995
ANDHRA PRADESH	VISAKHAPATNAM	DOLPHINSNOSE CDR	426.2	17-10-1982
ANDHRA PRADESH	VISAKHAPATNAM	MADHURAWADA	65	1/11/1994
ANDHRA PRADESH	VISAKHAPATNAM	PADMANABHAM	234	31-10-1998
ANDHRA PRADESH	VISAKHAPATNAM	PARAWADA	179	17-11-1992
ANDHRA PRADESH	VISAKHAPATNAM	PENDURTHI	255.4	4/11/2012
ANDHRA PRADESH	VISAKHAPATNAM	SABBAVARAM	195	4/11/2012
ANDHRA PRADESH	VISAKHAPATNAM	SONTYAM	105	23- 7-1989
ANDHRA PRADESH	VISAKHAPATNAM	ANAKAPALLI AGRO	199	27-10-2013
ANDHRA PRADESH	VISAKHAPATNAM	ARAKU VALLEY	270	15- 9-2015
ANDHRA PRADESH	VISAKHAPATNAM	PADERU	387.4	13-10-2014
ANDHRA PRADESH	VISAKHAPATNAM	KOYYURU	304	20- 9-2005
ANDHRA PRADESH	VISAKHAPATNAM	DUMBRIGUDA	223.6	4/8/2006
ANDHRA PRADESH	VISAKHAPATNAM	KONDA	386.6	18-11-1923
ANDHRA PRADESH	VISAKHAPATNAM	ANATHAGIRI	199	2/11/2012
ANDHRA PRADESH	VISAKHAPATNAM	REDDY PALLI	107	23- 7-1989
ANDHRA PRADESH	VISAKHAPATNAM	KOTHALI	248	4/10/1983
ANDHRA PRADESH	VIZIANAGARAM	PARVATIPURAM	273.8	25- 6-1914
ANDHRA PRADESH	VIZIANAGARAM	BOBBILI	282.4	14-10-1931
ANDHRA PRADESH	VIZIANAGARAM	SALUR	292.1	14-10-1931
ANDHRA PRADESH	VIZIANAGARAM	GAJAPATHINAGARAM	510.5	14-10-1931
ANDHRA PRADESH	VIZIANAGARAM	CHEEPURUPALLI	354.1	14-10-1931
ANDHRA PRADESH	VIZIANAGARAM	VIJAYANAGARAM	358.1	14-10-1931
ANDHRA PRADESH	VIZIANAGARAM	SRUNGAVARAPUKOTA	340	13-10-2014
ANDHRA PRADESH	VIZIANAGARAM	TATIPUDI	168	28-11-1977
ANDHRA PRADESH	VIZIANAGARAM	KASIPATANAM	142.3	8/11/1969
ANDHRA PRADESH	VIZIANAGARAM	MAKKUVA/MAKHURA	180.5	21-11-1977
ANDHRA PRADESH	VIZIANAGARAM	THERLAM	174.6	12/5/1990
ANDHRA PRADESH	VIZIANAGARAM	BADANGI	141.4	26- 7-2008
ANDHRA PRADESH	VIZIANAGARAM	BALIJPETA	185.4	10/5/1995
ANDHRA PRADESH	VIZIANAGARAM	BHOGAPURAM	184	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	BONDAPALLI	230.2	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	DATTI	188.6	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	DENKADA	216.4	22- 6-2006
ANDHRA PRADESH	VIZIANAGARAM	DENKADA	194	14-10-2014
ANDHRA PRADESH	VIZIANAGARAM	GANTYADA	383	13-10-2014
ANDHRA PRADESH	VIZIANAGARAM	GARIVIDI	219.6	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	GARUGUBILLI	167.2	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	GURLA	160.3	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	JAMI	175.6	4/11/2012
ANDHRA PRADESH	VIZIANAGARAM	KARRIVALASA	87	5/6/1991
ANDHRA PRADESH	VIZIANAGARAM	KURUPAM	180	3/7/2006
ANDHRA PRADESH	VIZIANAGARAM	KURUPAM	158.2	28- 8-2017

ANDHRA PRADESH	VIZIANAGARAM	MERAKAMUDIDAM	270.4	1/11/2005
ANDHRA PRADESH	VIZIANAGARAM	NELLIMARLA	308.4	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	PACHIPENTA	151.4	8/12/2010
ANDHRA PRADESH	VIZIANAGARAM	PUSAPATIREGA	314.7	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	RAMABHADRAPURAM	183.8	4/8/2006
ANDHRA PRADESH	VIZIANAGARAM	SEETHANAGARAM	176.2	10/5/1995
ANDHRA PRADESH	VIZIANAGARAM	THOTAPALLI	100	24- 9-1993
ANDHRA PRADESH	VIZIANAGARAM	VOTIGADDA RAWAD	81.5	19- 9-1991
ANDHRA PRADESH	VIZIANAGARAM	KOMARADA	86.6	24-10-2019
ANDHRA PRADESH	VIZIANAGARAM	VEPADA	163.4	4/11/2012
ANDHRA PRADESH	VIZIANAGARAM	JIYYAMMA VALASA	112.4	15- 8-2019
ANDHRA PRADESH	VIZIANAGARAM	MENTADA	144	24-10-2019
ANDHRA PRADESH	VIZIANAGARAM	SRUNGAVARAPUKOTA	253.8	15- 9-2006
ANDHRA PRADESH	VIZIANAGARAM	KOMARADA	194.2	3/7/2006
ANDHRA PRADESH	WEST GODAVARI	GANGIREDDIPALEM	361.6	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PEDAPADU	241	16-12-2003
ANDHRA PRADESH	WEST GODAVARI	ELLORE(ELURU)	234.6	22- 9-1991
ANDHRA PRADESH	WEST GODAVARI	TADEPALLIGUDEM	271.6	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	TANUKU	321	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PENUGONDA	325	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	BHIMAVARAM	334	31- 8-1964
ANDHRA PRADESH	WEST GODAVARI	NARSAPURAM	279.9	16-10-1944
ANDHRA PRADESH	WEST GODAVARI	PALAKOLE	236.2	4/11/2012
ANDHRA PRADESH	WEST GODAVARI	YANDAGANDI	360	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	MUMMIDERU	350	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	UNDI	251.6	20-11-1977
ANDHRA PRADESH	WEST GODAVARI	YELLURUPADU	275	12/8/1986
ANDHRA PRADESH	WEST GODAVARI	SIDHANTAM	450.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	MOGALTUR	221	8/9/1961
ANDHRA PRADESH	WEST GODAVARI	DUVVA	250.2	10/7/1954
ANDHRA PRADESH	WEST GODAVARI	NIDADAVOLE	389.9	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	CHETTIPETA	389.9	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	KODERU	422	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	GAMMEMPADU	566.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	LAKSHMIPALEM	325	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	CHINAKAPAVARAM	251.5	25- 8-1957
ANDHRA PRADESH	WEST GODAVARI	VIJJESHWARAM	191	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	ELLORE%EAST TAMM	250	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	NARSAPURAM	218.5	31-10-2006
ANDHRA PRADESH	WEST GODAVARI	ACHANTA	258	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	AKIVEEDU	188.8	20- 9-2005
ANDHRA PRADESH	WEST GODAVARI	ATTILI	268	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	CHAGALLU	260	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	DENDULURU	288.4	23- 7-1989

ANDHRA PRADESH	WEST GODAVARI	ELAMANCHILI	208.2	20- 9-2005
ANDHRA PRADESH	WEST GODAVARI	GANAPAVARAM	258.4	7/11/1996
ANDHRA PRADESH	WEST GODAVARI	GANAPAVARAM	230.8	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	KALLA	177.6	5/10/2007
ANDHRA PRADESH	WEST GODAVARI	NIDAMARRU	235	7/11/1996
ANDHRA PRADESH	WEST GODAVARI	NIDAMARRU	229.6	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PALACODERU	200.5	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PALAKOLLU	261.8	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PEDAVEGI	334.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PENUMANTRA	259.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PERAVALI	352.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	PODURU	254	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	POLAKOLLU	282.2	13- 8-1986
ANDHRA PRADESH	WEST GODAVARI	RANGAPURAM	450	12/8/1986
ANDHRA PRADESH	WEST GODAVARI	UNRAJAVARAM	321	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	UNGUTURU	260.6	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	VEERAVASARAM	254	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	VIJAYARAI	135.1	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	NARSAPUR	314	4/11/2012
ANDHRA PRADESH	WEST GODAVARI	MARUTERU	105	2/10/2015
ANDHRA PRADESH	WEST GODAVARI	LINGPALEM	296	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	CHINTALAPUDI	370	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	TAMMILERU WEST	175.3	25- 9-1971
ANDHRA PRADESH	WEST GODAVARI	TAMMILERU RESERU	156	27- 6-1972
ANDHRA PRADESH	WEST GODAVARI	KOVVUR	248.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	POLAVARAM	259.1	19-10-1933
ANDHRA PRADESH	WEST GODAVARI	BYNEMWEIR	304.8	21- 7-1956
ANDHRA PRADESH	WEST GODAVARI	YERRAKALVA PROT.	327	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	BHIMADOLE	332.4	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	KOIDA	675	17- 6-1996
ANDHRA PRADESH	WEST GODAVARI	BUTTAYAGUDEM	332.6	30- 8-1995
ANDHRA PRADESH	WEST GODAVARI	DAMMAMPETA	342	12/8/1986
ANDHRA PRADESH	WEST GODAVARI	KOYYALAGUDEM	314	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	JEELUGUMILI	337.8	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	KUKUNUR	320.4	6/10/2007
ANDHRA PRADESH	WEST GODAVARI	KAMAVARAPUKOTA	260	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	VELAIRPAD	320	23- 7-1989
ANDHRA PRADESH	WEST GODAVARI	DHARANJIGUDEM	220	23- 7-1989
GOA	NORTH GOA	ELA	189.7	17- 6-2020
GOA	NORTH GOA	PANJIM	366.6	12/6/1999
GOA	NORTH GOA	MAPUSA	461.8	15- 6-1996
GOA	NORTH GOA	PERNEM	389.9	20- 8-1937
GOA	NORTH GOA	VALPOI	402.3	20- 8-1952
GOA	SOUTH GOA	CANACONA	298.7	1/7/1942

GOA	SOUTH GOA	MORMUGAO	368	12/6/1999
GOA	SOUTH GOA	MARGAO	350.1	12/6/1999
GOA	SOUTH GOA	DABOLIM N.A.S.	351.3	12/6/1999
GOA	SOUTH GOA	COLEM	300	26- 7-1974
GOA	SOUTH GOA	PONDA	363.8	16- 6-1992
GOA	SOUTH GOA	QUEPEM	390.6	12/6/1999
GOA	SOUTH GOA	SANGUEM	432.6	7/6/2009
GUJARAT	AHMEDABAD	DHANDHUKA	679	6/6/1976
GUJARAT	AHMEDABAD	SANAND	361.4	24- 7-1905
GUJARAT	AHMEDABAD	DHOLKA	436	14- 7-2000
GUJARAT	AHMEDABAD	DHOLERA	447.6	6/6/1976
GUJARAT	AHMEDABAD	ASLALI	351	13- 7-1941
GUJARAT	AHMEDABAD	DHOLKA	114	25- 9-2013
GUJARAT	AHMEDABAD	ARNEJ	74	13- 6-2015
GUJARAT	AHMEDABAD	DASKOROI	256.6	24- 8-1990
GUJARAT	AHMEDABAD	BAVLA	153	20- 7-2014
GUJARAT	AHMEDABAD	MANDAL	440.1	12/8/1979
GUJARAT	AHMEDABAD	AHMEDABAD AERO	414.8	27- 7-1927
GUJARAT	AHMEDABAD	VIRAMGAM	389.9	24- 7-1905
GUJARAT	AHMEDABAD	DEHGAON	360	24- 8-1990
GUJARAT	AHMEDABAD	VIRAMGAM	266.6	18- 7-1976
GUJARAT	AHMEDABAD	SADRA	250	13- 9-1975
GUJARAT	AHMEDABAD	AHMEDABAD CITY	288.1	30- 7-2014
GUJARAT	AHMEDABAD	MC Ahemadabad	274	30- 7-2014
GUJARAT	AHMEDABAD	DETROI	194	25- 7-2006
GUJARAT	AMRELI	JAFRABAD	304.8	13- 7-1929
GUJARAT	AMRELI	KUNKAWAV	310	20- 6-1996
GUJARAT	AMRELI	AMRELI	353	9/11/1982
GUJARAT	AMRELI	KHAMBHA	325	29- 6-2005
GUJARAT	AMRELI	LILIA	283	20- 7-1965
GUJARAT	AMRELI	LATHI	251	8/11/1982
GUJARAT	AMRELI	RAJULA	243	25- 9-2007
GUJARAT	AMRELI	BABRA	370	2/7/2007
GUJARAT	AMRELI	DHARI	511	25- 6-2015
GUJARAT	AMRELI	DAMNAGAR	162.6	29- 6-1957
GUJARAT	AMRELI	AMRELI	293	29- 6-2005
GUJARAT	AMRELI	SAVARKUNDLA	149	26- 9-2013
GUJARAT	AMRELI	SAVARKUNDLA	208	25- 9-2007
GUJARAT	AMRELI	BAGSARA	636	25- 6-2015
GUJARAT	AMRELI	VADIA DEVLII	393	25- 6-2015
GUJARAT	BARODA	SINOR	266	6/8/1968
GUJARAT	BARODA	SARIPORETINBI	295	30- 8-1996
GUJARAT	BARODA	WADALA TANK	181	7/9/1994
GUJARAT	BARODA	DHANORA	205	24- 8-1990



GUJARAT	BARODA	BARODA COLLEGE	556.8	1/8/2019
GUJARAT	BARODA	DABHOI	348	24- 9-1945
GUJARAT	BARODA	SAVLI	320	6/8/1976
GUJARAT	BARODA	PADRA	466	30- 7-2006
GUJARAT	BARODA	WAGHODIA	466	3/10/2012
GUJARAT	BARODA	KARJAN	267.7	5/8/1956
GUJARAT	BARODA	BARODA AERO	556.8	1/8/2019
GUJARAT	BARODA	JAMBUGAM	305	31- 8-1990
GUJARAT	BARODA	BHADARVA	211	7/10/1985
GUJARAT	BARODA	BHILPUR	480	7/9/1994
GUJARAT	BARODA	BODELI	308	3/7/2007
GUJARAT	BARODA	MUVAL TANK	165	6/9/1994
GUJARAT	BARODA	PANDA	139	10/8/1984
GUJARAT	BARODA	RUSTAMPURA	228.6	7/9/1994
GUJARAT	BARODA	VADODARA	95	10/8/2016
GUJARAT	BARODA	JOJWA	251	28- 7-1996
GUJARAT	BHAUNAGAR	SONGADH	232.4	18- 4-1947
GUJARAT	BHAUNAGAR	MAHUVA	330.2	12/6/1913
GUJARAT	BHAUNAGAR	PALITANA	508	12/6/1913
GUJARAT	BHAUNAGAR	UMRALA	213	25- 9-2007
GUJARAT	BHAUNAGAR	SAVAR KUNDA	205	1/7/1998
GUJARAT	BHAUNAGAR	SIHOR	235	29- 6-2005
GUJARAT	BHAUNAGAR	KUNDLA	225	21- 6-1983
GUJARAT	BHAUNAGAR	GOGHA	335.3	26- 8-1939
GUJARAT	BHAUNAGAR	MAHUVA	211	5/7/2003
GUJARAT	BHAUNAGAR	VALLABHIPUR	228	2/7/2007
GUJARAT	BHAUNAGAR	MALAMGIRI TANK	116	4/7/1984
GUJARAT	BHAUNAGAR	MALAN/I. SCHEME	106	8/6/1997
GUJARAT	BHAUNAGAR	GARIDHAR	172	22- 6-1992
GUJARAT	BHAUNAGAR	JESOR	225	16- 7-2018
GUJARAT	BHAUNAGAR	RAJKI TANK	122	8/6/1997
GUJARAT	BHAUNAGAR	SURAJWADA	60	24- 9-1997
GUJARAT	BHAUNAGAR	BHAUNAGARPARA	306.6	18- 4-1947
GUJARAT	BHAUNAGAR	BHAUNAGAR AERO	434.4	20- 7-1996
GUJARAT	BHAUNAGAR	TALAJA	262	3/6/1976
GUJARAT	BHAUNAGAR	BHAUNAGAR	270	27- 6-2002
GUJARAT	BHAUNAGAR	BHAUNAGAR IRRI.	105	31- 8-1994
GUJARAT	BROACH	HANSOT	351	5/8/2019
GUJARAT	BROACH	ILAV	319	7/8/1968
GUJARAT	BROACH	VAGRA	283.7	24- 9-1945
GUJARAT	BROACH	DAHEJ	369.8	26- 6-1922
GUJARAT	BROACH	BROACH	463	2/7/2007
GUJARAT	BROACH	PANOLI	242.5	17- 8-1990
GUJARAT	BROACH	BROACH	493.6	2/7/2007

GUJARAT	BROACH	DAHEJ	15	10/6/2013
GUJARAT	BROACH	BROACH	493.6	2/7/2007
GUJARAT	BROACH	ANKLESHWAR	335.3	17- 7-1902
GUJARAT	BROACH	VALIA	600	8/6/1991
GUJARAT	BROACH	BHALOD	381	5/8/1942
GUJARAT	BROACH	JHAGADIA	470	24- 7-1996
GUJARAT	BROACH	NETSANG	145	31- 7-1985
GUJARAT	BROACH	JAMBUSAR	345.9	24- 9-1945
GUJARAT	BROACH	AMOD	395	5/8/1942
GUJARAT	VALSAD	VAPI	999	14- 7-2000
GUJARAT	VALSAD	UMBERGAON	387	31- 7-1976
GUJARAT	VALSAD	BULSAR	537	26- 6-2002
GUJARAT	VALSAD	PARDI	615	26- 6-2002
GUJARAT	VALSAD	BULSAR	567.8	27- 6-2002
GUJARAT	VALSAD	DHARAMPUR	987.3	2/7/1941
GUJARAT	VALSAD	CHORVANI	235.7	24- 7-1996
GUJARAT	VALSAD	BILDHA	304.8	31- 7-1976
GUJARAT	VALSAD	VAROLI	410.8	2/7/1978
GUJARAT	VALSAD	NANIPALSON	405.7	3/8/2004
GUJARAT	VALSAD	KAPRADA	62	10/6/2013
GUJARAT	VALSAD	KAPRADA	394	29- 6-2005
GUJARAT	VALSAD	SACHIN	388.1	13- 7-1929
GUJARAT	JAMNAGAR	JAMJODHPUR	259	13- 9-1997
GUJARAT	JAMNAGAR	LALPUR	532	18- 7-2009
GUJARAT	JAMNAGAR	GHEE IRRI.SCHEME	213	13- 9-1997
GUJARAT	JAMNAGAR	SASOI IRR.SCHEME	200	13- 9-1997
GUJARAT	JAMNAGAR	NAVANAGAR	337.8	13- 6-1920
GUJARAT	JAMNAGAR	DHROL	357	17- 7-1988
GUJARAT	JAMNAGAR	KALWAD	433.8	23- 3-1961
GUJARAT	JAMNAGAR	JODIA	338	24- 8-2020
GUJARAT	JAMNAGAR	LATNIPUR	284.5	27- 6-1980
GUJARAT	JAMNAGAR	JAMNAGAR AERO	337.8	13- 6-1920
GUJARAT	JAMNAGAR	JAMNAGAR	447	11/7/1981
GUJARAT	JAMNAGAR	DRAF	165.1	29- 8-1970
GUJARAT	JAMNAGAR	FULZARGIRI SCHEM	287	11/7/1981
GUJARAT	JAMNAGAR	JAMNAGAR (A.M)	466	27- 7-2010
GUJARAT	JAMNAGAR	PULZAR	160	14- 7-1994
GUJARAT	JUNAGADH	SAKROLI	262.5	22- 6-1983
GUJARAT	JUNAGADH	MADAVPUR	250	27- 6-1990
GUJARAT	JUNAGADH	JUNAGADH	368.3	18- 9-1914
GUJARAT	JUNAGADH	MANGROL	614	16- 7-2009
GUJARAT	JUNAGADH	BHESAN	360	21- 6-1983
GUJARAT	JUNAGADH	KESHOD	370	2/7/1980
GUJARAT	JUNAGADH	VANTHALI	510	8/7/1973

GUJARAT	JUNAGADH	MALIA	468	2/7/1980
GUJARAT	JUNAGADH	MANAVADAR	736	22- 6-1983
GUJARAT	JUNAGADH	VISAVADAR	725	22- 6-1983
GUJARAT	JUNAGADH	KESHOD AERO	325.6	2/7/1998
GUJARAT	JUNAGADH	JUNAGADH	194.9	9/7/1973
GUJARAT	JUNAGADH	HASANPUR	622	22- 6-1983
GUJARAT	JUNAGADH	MENDARDA	303	27- 7-1988
GUJARAT	JUNAGADH	BANTWA	386	21- 6-1983
GUJARAT	JUNAGADH	GIRNAR HILL	457.2	8/11/1982
GUJARAT	JUNAGADH	SARDARGADH	160	25- 6-1994
GUJARAT	JUNAGADH	SASAMGIR	339	12/7/1994
GUJARAT	JUNAGADH	MANAVADAR	158	12/6/2013
GUJARAT	JUNAGADH	MANGROLE	128	17- 6-2013
GUJARAT	JUNAGADH	AJI	290	14- 9-1984
GUJARAT	JUNAGADH	GONDIA	75	11/8/1981
GUJARAT	KHEDA	KHEDA	399.5	13- 7-1941
GUJARAT	KHEDA	MEHMEDABAD	446	13- 7-1941
GUJARAT	KHEDA	MATAR	318.8	5/7/1941
GUJARAT	KHEDA	NADIAD	309.9	14- 7-1983
GUJARAT	KHEDA	MAHUDA	378	1/7/2005
GUJARAT	KHEDA	TRANZA NAG TANK	233.7	12/8/1933
GUJARAT	KHEDA	PINGLAJ	425	24- 8-1990
GUJARAT	KHEDA	KATHLAL	283	1/7/2005
GUJARAT	KHEDA	RATANPUR	343.4	1/7/2005
GUJARAT	KHEDA	KHEDA	217.4	30- 7-2006
GUJARAT	KHEDA	THASRA	336	23- 7-1905
GUJARAT	KHEDA	DAKOR	767	17- 8-1982
GUJARAT	KHEDA	SAVLI TANK	278	7/9/1994
GUJARAT	KHEDA	SAYAT TANK	276.6	25- 7-1952
GUJARAT	KHEDA	WANGHROLI TANK	305	7/9/1994
GUJARAT	KHEDA	VASAD	167	6/6/1976
GUJARAT	KHEDA	SEVALIA	209.1	8/11/1982
GUJARAT	KHEDA	WANAKBORI WEIR	272.5	7/9/1994
GUJARAT	KHEDA	WANAKBORI	272.5	7/9/1994
GUJARAT	KHEDA	VASAD	197.8	7/9/1994
GUJARAT	KHEDA	KAPADVANJ	422	1/7/2005
GUJARAT	KUTCH	MANDVI	449	27- 7-2010
GUJARAT	KUTCH	MUNDRA	350	29- 6-1980
GUJARAT	KUTCH	MANDVI	449	27- 7-2010
GUJARAT	KUTCH	NALIYA	443	17- 7-1988
GUJARAT	KUTCH	LAKHAPAT	388.6	19- 8-1953
GUJARAT	KUTCH	NALIYA	368.7	21- 5-1999
GUJARAT	KUTCH	NAKHATRANA	321	11/8/2019
GUJARAT	KUTCH	KHAWADA	280	14- 9-1961

GUJARAT	KUTCH	BHUJ P.B.O.	75.7	6/8/1956
GUJARAT	KUTCH	BHUJ/R.MATA A.	467.9	15- 7-1959
GUJARAT	KUTCH	BHUJ	319	14- 7-1994
GUJARAT	KUTCH	ABDASA	322	16- 7-2017
GUJARAT	KUTCH	ANJAR	350	12/8/1979
GUJARAT	KUTCH	RAHAPUR	353	29- 6-1977
GUJARAT	KUTCH	BACHAU	330	29- 7-2015
GUJARAT	KUTCH	KANDLA NEW	238.4	18- 7-2017
GUJARAT	KUTCH	GANDHIDHAM	180	10/8/2019
GUJARAT	KUTCH	KHADIR	177.8	5/8/1956
GUJARAT	KUTCH	KANDLA AERO	186	28- 7-2015
GUJARAT	KUTCH	KANDLA PORT	186	28- 7-2015
GUJARAT	RAJKOT	GONDAL	320	16- 6-1945
GUJARAT	RAJKOT	DHORAJI	404.6	18- 9-1914
GUJARAT	RAJKOT	JETPUR-MONI	367	21- 6-1983
GUJARAT	RAJKOT	JAMKANDORNA	293	17- 9-2008
GUJARAT	RAJKOT	BORIA	152.4	15- 7-1969
GUJARAT	RAJKOT	AMANAGAR	240	16- 8-1990
GUJARAT	RAJKOT	BHADAR DAM SITE	281	24- 6-1983
GUJARAT	RAJKOT	BHAYARADAR	350	26- 7-1988
GUJARAT	RAJKOT	MOJ DAM	183	20- 6-1996
GUJARAT	RAJKOT	UPLET	770	22- 6-1983
GUJARAT	RAJKOT	RAJKOT AERO	392	26- 9-2013
GUJARAT	RAJKOT	LODHKA	426	14- 9-1984
GUJARAT	RAJKOT	KOTDASANGANI	315	14- 7-1994
GUJARAT	RAJKOT	PADDHARI	281	15- 7-1988
GUJARAT	RAJKOT	BAGATHALA	120	29- 7-1986
GUJARAT	RAJKOT	NAVAGDHA	211	19- 6-1996
GUJARAT	RAJKOT	RAJKOT	258	7/8/2007
GUJARAT	RAJKOT	TITHWA	201.2	28- 6-1980
GUJARAT	RAJKOT	TARGHADIA	67	28- 7-2015
GUJARAT	RAJKOT	LODHKA	173	26- 9-2013
GUJARAT	RAJKOT	JASDAN	278.1	21- 6-1946
GUJARAT	RAJKOT	VINEHHIA	151.1	24- 6-1971
GUJARAT	RAJKOT	ATKOT	160	26- 7-1980
GUJARAT	RAJKOT	GHELO SOMNATH	70	7/7/1997
GUJARAT	RAJKOT	KHAKHRECHI	162	9/7/1981
GUJARAT	RAJKOT	KUVADRA	125	14- 7-1994
GUJARAT	SURAT	OLPAD	383	11/7/1929
GUJARAT	SURAT	KAMREJ	449	3/8/2004
GUJARAT	SURAT	SURAT	459.2	2/7/1941
GUJARAT	SURAT	KIM	377.5	5/6/1976
GUJARAT	SURAT	PALSANA	408	8/7/1998
GUJARAT	SURAT	SURAT	409.4	3/6/1976

GUJARAT	SURAT	KATHOR	184	16- 6-1984
GUJARAT	SURAT	SURAT CITY	329	3/8/2004
GUJARAT	SURAT	SURAT TDO/CHORSI	413.4	22- 6-1992
GUJARAT	SURAT	ZANKHARI	277.2	1/8/1985
GUJARAT	SURAT	SURAT	316	25- 9-2013
GUJARAT	SURAT	MANGROL	451	5/8/2019
GUJARAT	SURAT	MANDVI	397	23- 9-1945
GUJARAT	SURAT	BARDOLI	392	3/8/2004
GUJARAT	SURAT	MAHUWA	444	3/8/2004
GUJARAT	SURAT	JAMKHADI	372.4	6/8/1968
GUJARAT	SURAT	KAKRAPARWEIR	309.3	7/9/1970
GUJARAT	SURAT	UKAI	483.1	7/9/1970
GUJARAT	SURAT	UKAI	308.4	27- 6-1977
GUJARAT	SURAT	KAKRAPAR	272	4/8/2004
GUJARAT	SURAT	DASWADA DAM SITE	232	16- 6-1994
GUJARAT	SURAT	UMERPADA	587	5/8/2019
GUJARAT	SURAT	KIN	267	28- 7-1988
GUJARAT	SURAT	ANANTPUR	234.2	23- 6-1997
GUJARAT	SURENDRANAGAR	WADHWAN	372	18- 9-2008
GUJARAT	SURENDRANAGAR	DHRANGADHRA	440.9	25- 7-1927
GUJARAT	SURENDRANAGAR	CHUDA	270.5	24- 7-1905
GUJARAT	SURENDRANAGAR	RAMPARA	250	7/9/1994
GUJARAT	SURENDRANAGAR	LIMBADI	440	2/7/2007
GUJARAT	SURENDRANAGAR	LAKNTAR	478	18- 9-2008
GUJARAT	SURENDRANAGAR	SURENDRANAGAR	205.8	10/8/2019
GUJARAT	SURENDRANAGAR	MULI	438	23- 7-1989
GUJARAT	SURENDRANAGAR	SAYALA	360	23- 6-1997
GUJARAT	SURENDRANAGAR	CHARADVA	175	6/9/1970
GUJARAT	SURENDRANAGAR	SARA	398.8	6/9/1970
GUJARAT	SURENDRANAGAR	RAJSITAPUR	125	2/7/1980
GUJARAT	SURENDRANAGAR	SURENDRANAGAR	205.8	10/8/2019
GUJARAT	SURENDRANAGAR	UMARELA	251	25- 7-1989
GUJARAT	SURENDRANAGAR	ZINGIRWADA	213	9/7/1981
GUJARAT	SURENDRANAGAR	SURENDRANAGAR	59	28- 7-2015
GUJARAT	SURENDRANAGAR	BAJAN	418.1	5/7/1917
GUJARAT	SURENDRANAGAR	KHARAGHODA	313.2	5/7/1917
GUJARAT	SURENDRANAGAR	JAINABAD	420	12/8/1979
GUJARAT	SURENDRANAGAR	VANOD	250	25- 8-1990
GUJARAT	SURENDRANAGAR	DASADA	264	11/8/1979
GUJARAT	SURENDRANAGAR	METHAN/METHAVI	125	27- 6-1980
GUJARAT	ANAND	BHADLAN	450.6	23- 9-1945
GUJARAT	ANAND	ANAND	408	1/7/2005
GUJARAT	ANAND	BORSAD	387.9	24- 9-1945
GUJARAT	ANAND	CAMBAY	354.3	24- 9-1945

GUJARAT	ANAND	PETLAD	272	30- 7-2006
GUJARAT	ANAND	V.VIDYANAGAR SR	452	9/11/1982
GUJARAT	ANAND	ANAND	245	11/8/1979
GUJARAT	ANAND	KHAMBHAT	385	4/8/2019
GUJARAT	ANAND	V.V. NAGAR	160	24- 8-1997
GUJARAT	ANAND	ANKLAV	355	1/7/2005
GUJARAT	ANAND	SOJITRA	259	30- 7-2006
GUJARAT	ANAND	TARAPUR	297	30- 7-2006
GUJARAT	ANAND	UMARETH	308	1/7/2005
GUJARAT	NAVSARI	NAVSARI	783.6	2/7/1941
GUJARAT	NAVSARI	JALALPUR	636.8	3/7/1941
GUJARAT	NAVSARI	NAVSARI	30	24- 9-2013
GUJARAT	NAVSARI	CHIKHLI	537.2	2/7/1941
GUJARAT	NAVSARI	BANSDA	511	2/7/1941
GUJARAT	NAVSARI	GANDEVI	657.9	3/7/1980
GUJARAT	NAVSARI	CHIKHALI	177	17- 7-2013
GUJARAT	PORBANDAR	PORBANDAR	762.5	28- 6-1980
GUJARAT	PORBANDAR	RANAWAO	475	21- 6-1983
GUJARAT	PORBANDAR	PORBANDAR	444.3	16- 7-2009
GUJARAT	PORBANDAR	PORBANDAR AERO	511.4	4/9/1977
GUJARAT	PORBANDAR	KUTIYANA	376	22- 6-1983
GUJARAT	PORBANDAR	KUTIYANA	120	11/6/2013
GUJARAT	PORBANDAR	RANAVAV	52	5/8/2016
ISLANDS	LAKSHADWEEP	MINICOY	278.6	2/6/1991
ISLANDS	LAKSHADWEEP	AGATHI	224.4	11/7/2005
ISLANDS	LAKSHADWEEP	KAVARATTI	182	10/7/2012
ISLANDS	LAKSHADWEEP	ANDROTH	210.4	9/12/1965
ISLANDS	LAKSHADWEEP	AMINI	1168.5	6/5/2004
ISLANDS	LAKSHADWEEP	KALPENI	84.8	31- 5-1957
ISLANDS	SOUTH ANDAMAN	HUT BAY	290.2	15- 8-1989
ISLANDS	SOUTH ANDAMAN	PORT BLAIR	374.3	31-12-1976
ISLANDS	NICOBAR	KONDUL	401.1	14-12-1970
ISLANDS	NICOBAR	NANCOWARY	257.6	1/6/1963
ISLANDS	NICOBAR	CAR NICOBAR	308.6	25-11-1966
ISLANDS	NICOBAR	CAR NICOBAR(IAF)	164.6	30-10-1987
ISLANDS	NORTH ANDAMAN	MAYA BANDAR	402	7/5/1961
ISLANDS	NORTH ANDAMAN	LONG ISLAND	336.8	9/10/2013
KARNATAKA	KANARA NORTH	BHATKAL	496.4	14- 7-2006
KARNATAKA	KANARA NORTH	SUNKASAL	340	30- 6-1983
KARNATAKA	KANARA NORTH	KARWAR	469.3	12/6/1999
KARNATAKA	KANARA NORTH	ANKOLA	654.6	11/6/1909
KARNATAKA	KANARA NORTH	KUMTA	579.6	30- 7-1966
KARNATAKA	KANARA NORTH	HONAVAR	466.3	13- 6-1988
KARNATAKA	KANARA NORTH	YELLAPUR	328	5/7/1974

KARNATAKA	KANARA NORTH	SIRSI	340.9	10/7/1923
KARNATAKA	KANARA NORTH	SIDDAPUR	406.4	22- 6-1975
KARNATAKA	KANARA NORTH	GOSPASHITTA	370.4	3/10/2009
KARNATAKA	KANARA NORTH	KARWAR AUTO	439.8	30- 5-2006
KARNATAKA	KANARA NORTH	GORSOPPA	400	3/8/1982
KARNATAKA	KANARA NORTH	SHIRALI	395.5	16- 6-1977
KARNATAKA	KANARA NORTH	KARWAR C.HOSPITA	469.3	12/6/1999
KARNATAKA	KANARA NORTH	VAJRALLI	376.2	30- 6-1984
KARNATAKA	KANARA NORTH	MANCHIKERE	251	6/7/2009
KARNATAKA	KANARA NORTH	KIRWATI	153.4	9/8/2019
KARNATAKA	KANARA NORTH	HITTALAHALLY	211	2/7/1984
KARNATAKA	KANARA NORTH	HULGOD	232.6	22- 7-1983
KARNATAKA	KANARA NORTH	BIJALKOPPA	335	2/7/1984
KARNATAKA	KANARA NORTH	ARABAIL	293	30- 6-1998
KARNATAKA	KANARA NORTH	ANASI	431.4	16- 7-1988
KARNATAKA	KANARA NORTH	YEKKUMBI	173	3/7/2013
KARNATAKA	KANARA NORTH	THARGOD	282.2	3/7/2013
KARNATAKA	KANARA NORTH	SORAGUPPA	364.3	18- 7-1988
KARNATAKA	KANARA NORTH	SIRSI ARS.	254	3/7/2013
KARNATAKA	KANARA NORTH	KARUR	320	18- 7-1988
KARNATAKA	KANARA NORTH	HULIKAL	222	18- 7-1988
KARNATAKA	KANARA NORTH	BANDAL	840.6	11/8/2007
KARNATAKA	KANARA NORTH	AJJIMANE	339.4	29- 7-1982
KARNATAKA	KANARA NORTH	TYAGALI	224	17- 7-1988
KARNATAKA	KANARA NORTH	NILKUNDI	352.2	3/7/2009
KARNATAKA	KANARA NORTH	KYTHANHALLY	266	7/8/1997
KARNATAKA	KANARA NORTH	KATAGAL	426.8	15- 6-1996
KARNATAKA	KANARA NORTH	GOKARN I.B.	390.3	9/7/1991
KARNATAKA	KANARA NORTH	SULGERI	355.7	18- 7-1988
KARNATAKA	KANARA NORTH	KADRA	355.8	3/7/2013
KARNATAKA	KANARA NORTH	MANKI	448	2/8/1982
KARNATAKA	KANARA NORTH	HONAVAR	432.2	7/6/1989
KARNATAKA	KANARA NORTH	AVERSA/MANCHIKAR	197.1	13- 6-1988
KARNATAKA	KANARA NORTH	MANCHIKERE	194	9/7/2007
KARNATAKA	KANARA NORTH	BALALE	344	15- 6-1996
KARNATAKA	KANARA NORTH	BASAGOD	313.6	12/6/1999
KARNATAKA	KANARA NORTH	SULUKATTI	320	21- 6-1992
KARNATAKA	KANARA NORTH	VANAHALLI	285.6	23- 7-1989
KARNATAKA	KANARA NORTH	ARENDUR	302.4	8/8/2012
KARNATAKA	KANARA NORTH	MUNDAGOD HOSPITA	400.4	12/6/1990
KARNATAKA	KANARA NORTH	SHIVAGAON	430	2/7/1984
KARNATAKA	KANARA NORTH	MUGAVALLI	235.5	31- 7-2014
KARNATAKA	KANARA NORTH	HEBATTI	250	25- 7-2005
KARNATAKA	KANARA NORTH	MALAGI	162	7/8/2007

KARNATAKA	KANARA NORTH	MUNDOD S.F.	188	18-11-1992
KARNATAKA	KANARA NORTH	ATTANGI	220	7/12/1993
KARNATAKA	KANARA NORTH	BARUR/BORUR	300.2	28- 7-1982
KARNATAKA	KANARA NORTH	HATTIKERI	371.8	12/6/1999
KARNATAKA	KANARA NORTH	BANAVASI	200	3/7/1983
KARNATAKA	KANARA NORTH	PALA	140	4/8/1988
KARNATAKA	KANARA NORTH	BIDALTI	400	20- 7-1990
KARNATAKA	KANARA NORTH	HALIYAL HOSPITAL	242.8	9/7/1975
KARNATAKA	KANARA NORTH	SUPA	224.8	20- 7-1923
KARNATAKA	KANARA NORTH	TATWAL	191.6	19- 6-2001
KARNATAKA	KANARA NORTH	PATNI	592	3/7/1984
KARNATAKA	KANARA NORTH	KALASAI	347.2	27- 6-1983
KARNATAKA	KANARA NORTH	KUMBARWADA	469	21- 9-1981
KARNATAKA	KANARA NORTH	JAGALPET	326.2	7/8/2007
KARNATAKA	KANARA NORTH	CHANDWADI	276	29- 6-2007
KARNATAKA	KANARA NORTH	CASTLEROCK	440.2	22- 9-2005
KARNATAKA	KANARA NORTH	AKHETI	350.4	23- 7-1989
KARNATAKA	KANARA NORTH	GUNJAVATHY	177.8	14- 7-1994
KARNATAKA	KANARA NORTH	DODKOPA	280	26-10-1982
KARNATAKA	KANARA NORTH	DANDELI M.P.C.	190.2	11/7/1993
KARNATAKA	KANARA NORTH	BOMMANAHALLI	257	22- 6-2003
KARNATAKA	KANARA NORTH	BHAGVATHY	156.2	4/8/1988
KARNATAKA	KANARA NORTH	JOIDA (SUPA)	267	18- 7-1988
KARNATAKA	KANARA NORTH	KUNDAR EQN	342	14- 6-1996
KARNATAKA	KANARA NORTH	KARTOLLI (KALPA)	240	12/8/1982
KARNATAKA	KANARA NORTH	HALIYAL S.F.	118.8	4/8/2004
KARNATAKA	KANARA NORTH	MURKAWAD	108.1	25- 7-2005
KARNATAKA	KANARA NORTH	WAKI	313.6	14- 8-1990
KARNATAKA	KANARA NORTH	BACHANKI	148	13-11-1993
KARNATAKA	KANARA NORTH	VARCHI	158.6	10/6/1991
KARNATAKA	KANARA SOUTH	MANGALORE	360.9	8/5/1909
KARNATAKA	KANARA SOUTH	BAJPE AERO	336	30- 6-1994
KARNATAKA	KANARA SOUTH	MANGALORE/P.BUR	333.8	30- 5-2018
KARNATAKA	KANARA SOUTH	MANGALORE RLY	360.4	10/6/1982
KARNATAKA	KANARA SOUTH	BAJPE	291.2	22- 6-2003
KARNATAKA	KANARA SOUTH	PANAMBUR	330.8	22- 6-2003
KARNATAKA	KANARA SOUTH	MANGALORE REV	301.4	22- 6-2003
KARNATAKA	KANARA SOUTH	ULLOL P.O.	312.4	22- 6-2003
KARNATAKA	KANARA SOUTH	PUTTUR T.O.	266.7	17- 8-1947
KARNATAKA	KANARA SOUTH	BELTHANGADY I.B.	359.9	11/6/1941
KARNATAKA	KANARA SOUTH	BANTWAL T.O.	290.8	7/8/1946
KARNATAKA	KANARA SOUTH	VITTAL	220.9	25- 7-1974
KARNATAKA	KANARA SOUTH	SUBRAMANYA	448.6	4/7/2013
KARNATAKA	KANARA SOUTH	SULYA	478	22- 8-2013



KARNATAKA	KANARA SOUTH	KOLCHARU	232.4	17- 7-1999
KARNATAKA	KANARA SOUTH	IVARANDU	230	5/7/2013
KARNATAKA	KANARA SOUTH	UPPINAGADY	227	29- 6-1998
KARNATAKA	KANARA SOUTH	KOILA/BANTWAL	296.8	30- 6-1994
KARNATAKA	KANARA SOUTH	KADABETTU	217.3	3/8/1982
KARNATAKA	KANARA SOUTH	FARANGIPET	398.2	10/6/1982
KARNATAKA	KANARA SOUTH	DHARMASTHALA	334.5	26- 7-1974
KARNATAKA	KANARA SOUTH	VITTAL	355	30- 6-1994
KARNATAKA	KANARA SOUTH	SHIRADI	372.2	13- 8-2008
KARNATAKA	KANARA SOUTH	MANI	439.4	10/7/1997
KARNATAKA	KANARA SOUTH	BELTHANGADY S.F.	231.2	12/7/1994
KARNATAKA	KANARA SOUTH	KOILA/PUTTUR	400	29- 6-1997
KARNATAKA	KANARA SOUTH	DARLAPUTHA	162.2	5/10/1992
KARNATAKA	KANARA SOUTH	BIRADI	228.8	2/7/1995
KARNATAKA	KANARA SOUTH	SHANKARKATTE	220.2	18- 7-1988
KARNATAKA	KANARA SOUTH	MANNAGUDI	210.4	22- 8-2010
KARNATAKA	KANARA SOUTH	PANJA	226.6	10/7/1997
KARNATAKA	KANARA SOUTH	KOLAMAGARU	247	6/7/1992
KARNATAKA	KANARA SOUTH	SULYA	110	1/8/2014
KARNATAKA	KANARA SOUTH	VITLA	139	20- 9-2020
KARNATAKA	KANARA SOUTH	KOKKAD	293.8	4/7/2013
KARNATAKA	KANARA SOUTH	SULYA (RUBB.DIV)	226.8	16- 7-1999
KARNATAKA	KANARA SOUTH	SUNKADAKATTE	267.2	4/7/2013
KARNATAKA	KANARA SOUTH	PUTTUR HMS	400	29- 6-1997
KARNATAKA	KANARA SOUTH	MULKI	347.8	30- 6-1994
KARNATAKA	KANARA SOUTH	BRAMHOWAR S.F.	360	10/6/1982
KARNATAKA	KANARA SOUTH	SIDDAPURA	277.2	30- 6-1994
KARNATAKA	KANARA SOUTH	KARKAL	302	24- 6-1923
KARNATAKA	KANARA SOUTH	CHARMADI FOREST	220.4	29- 6-1983
KARNATAKA	KANARA SOUTH	VENUNAR	221.2	11/7/1995
KARNATAKA	KANARA SOUTH	GONTADKA	335.2	10/7/1997
KARNATAKA	UDUPI	UDUPI	429	10/6/1982
KARNATAKA	UDUPI	KOONDAPUR	373.9	30- 7-1902
KARNATAKA	UDUPI	BAINDUR	346.5	21- 5-1955
KARNATAKA	UDUPI	KOTA	806	18- 6-2008
KARNATAKA	UDUPI	KARKALA	277.4	20- 9-2020
KARNATAKA	UDUPI	YELGITH	300	18- 7-1999
KARNATAKA	UDUPI	ULLUR II	266.4	18- 7-1999
KARNATAKA	UDUPI	HALADY	318.2	13- 7-1998
KARNATAKA	UDUPI	HOSANGADY/SIDDAP	337	2/8/1982
KARNATAKA	UDUPI	AMPAR	284.4	2/8/1982
KARNATAKA	UDUPI	ANASEBAIL	483.6	30- 6-1994
KARNATAKA	UDUPI	ARDI/ALBADY	405.1	19- 6-2005
KARNATAKA	UDUPI	KULLUR	329.4	23- 6-2007

KARNATAKA	UDUPI	BRAHMAWARA	346.2	21- 6-2016
KARNATAKA	UDUPI	KAPU	353.6	22- 6-2003
KARNATAKA	UDUPI	SIDDOPURA	332.4	30- 6-1997
KARNATAKA	UDUPI	AJEKAR	280	30- 6-2007
KARNATAKA	UDUPI	BRAHMAVAR	385	20- 9-2020
KARNATAKA	UDUPI	MUDIBIDRE	360	2/7/1995
KARNATAKA	UDUPI	SEETHANDI	361.6	27- 7-1991
KARNATAKA	UDUPI	SANDOOR(S.F.)	228.8	3/9/2005
KARNATAKA	UDUPI	SIDDAPURA	162	21- 9-2020
KERALA	ALAPUZZHA	ARUKUTTY	271.8	23- 5-1941
KERALA	ALAPUZZHA	CHERTHALA	244.6	5/6/1924
KERALA	ALAPUZZHA	ALAPUZZHA	215	12/9/1962
KERALA	ALAPUZZHA	AMBALAPUZA	235	3/10/1920
KERALA	ALAPUZZHA	CHENGANNUR	260	15-11-2009
KERALA	ALAPUZZHA	MAVELIKARA	247.7	22- 7-1950
KERALA	ALAPUZZHA	KAYAMKULAM(RARS)	265.9	18-10-1935
KERALA	ALAPUZZHA	HARIPAD	248.7	29- 6-1922
KERALA	ALAPUZZHA	ALAPUZZHA	274.3	10/4/1950
KERALA	ALAPUZZHA	KAYAMKULAM	172.3	26- 5-1971
KERALA	ALAPUZZHA	MANCOMPU	186.6	8/6/1999
KERALA	KANNUR	IRIKKUR	379.7	7/7/1953
KERALA	KANNUR	KANNUR	359.7	4/6/1924
KERALA	KANNUR	THALASSERRY	635	25- 5-1969
KERALA	KANNUR	IRRITY	241.3	18- 5-1955
KERALA	KANNUR	KANNUR	368.6	14-10-2002
KERALA	KANNUR	MAHE	250	2/6/1984
KERALA	KANNUR	PAYYANUR	292.6	10/6/1941
KERALA	KANNUR	TALIPARAMBA	287.3	20- 5-1955
KERALA	ERNAKULAM	MUVATTUPUZHA	293.4	23- 7-1924
KERALA	ERNAKULAM	ERNAKULAM	207.3	17-11-1939
KERALA	ERNAKULAM	COCHI I.A.F.	236.8	3/6/1991
KERALA	ERNAKULAM	NAS KOCHI	236.8	3/6/1991
KERALA	ERNAKULAM	KOCHI FORT	253.2	28- 5-1933
KERALA	ERNAKULAM	PIRAVAM	220.9	16- 7-2018
KERALA	ERNAKULAM	MALAYATTUR	234.2	2/10/1937
KERALA	ERNAKULAM	PARUR	304.8	30- 4-1966
KERALA	ERNAKULAM	ALWAYE PWD	215.9	6/6/1924
KERALA	ERNAKULAM	PERUMPAVUR	248.4	23- 6-1987
KERALA	ERNAKULAM	NERIAMANGALAM	283.7	10/7/1962
KERALA	ERNAKULAM	CIAL KOCHI	212.7	9/8/2019
KERALA	KOTTAYAM	PEERMADE%TALUK	388.7	4/7/1968
KERALA	KOTTAYAM	KANJIRAPALLY	280.4	6/8/1958
KERALA	KOTTAYAM	VAIKOM	282.5	26- 6-1962
KERALA	KOTTAYAM	ETTUMANUR	258.6	17-11-1939

KERALA	KOTTAYAM	KOTTAYAM	259.1	22- 6-1959
KERALA	KOTTAYAM	CHANGANASSERY	355.6	22- 6-1959
KERALA	KOTTAYAM	PALA	213.4	17-11-1939
KERALA	KOTTAYAM	KOTTAYAM (RRII)	234.4	8/6/1992
KERALA	KOTTAYAM	KOTTAYAM	185.8	9/5/1977
KERALA	KOTTAYAM	KUMARAKOM	252.6	8/6/1992
KERALA	KOTTAYAM	KOZHA	280.2	17-11-2018
KERALA	KOTTAYAM	KANJIRAPPALLY	189.2	2/6/2011
KERALA	KOTTAYAM	SANTHANPARA	255.3	17- 7-1924
KERALA	KOTTAYAM	THAKKADY	102.6	21- 5-1955
KERALA	KOTTAYAM	PERAIYAR	245.6	17- 7-1951
KERALA	KOZHIKODE	VADAKARA	367	3/10/2009
KERALA	KOZHIKODE	KUTTIADI	419.4	3/6/1924
KERALA	KOZHIKODE	QUILANDI	383.7	3/6/1961
KERALA	KOZHIKODE	KOZHIKODE	283.2	17- 7-2009
KERALA	KOZHIKODE	KOZHIKODE%CALICU	230.3	22- 9-1986
KERALA	MALAPPURAM	PONNANI	300	3/6/1991
KERALA	MALAPPURAM	PERINTHALAMANNA	244.3	7/5/1909
KERALA	MALAPPURAM	ANGADIPURAM	295	9/8/2019
KERALA	MALAPPURAM	TIRUVANGADI	295.1	20- 5-1932
KERALA	MALAPPURAM	KARIPUR AP	244.7	2/6/2011
KERALA	MALAPPURAM	MANJERI	314.5	10/6/1941
KERALA	MALAPPURAM	NILAMBUR	398	9/8/2018
KERALA	PALAKKAD	CHITTUR	260.4	17-11-1935
KERALA	PALAKKAD	ALATTUR	342	1/11/1964
KERALA	PALAKKAD	PALAKKAD	236.2	1/8/1948
KERALA	PALAKKAD	PALAKKAD	300.1	23-10-2013
KERALA	PALAKKAD	PARLI	287	20- 7-1906
KERALA	PALAKKAD	OTTAPALAM	415	28- 5-1941
KERALA	PALAKKAD	CHERAPALASERI	234.4	10/6/1941
KERALA	PALAKKAD	MANNARKAD	305	9/8/2019
KERALA	PALAKKAD	PATTAMBI	237.8	17- 7-2009
KERALA	PALAKKAD	ALATHUR	398.5	9/8/2019
KERALA	PALAKKAD	TRITHALA	213.2	9/8/2019
KERALA	PALAKKAD	PARAMBIKULAM	288	18- 7-2009
KERALA	PALAKKAD	KOLLENGODE	319.8	9/8/2019
KERALA	KOLLAM	KOLLAM (RLY)	281.9	18-10-1945
KERALA	KOLLAM	PARAVUR	292.9	10/11/1925
KERALA	KOLLAM	NILAMEL	397.2	12/4/1966
KERALA	KOLLAM	KOLLAM	231.5	25- 9-2010
KERALA	KOLLAM	THENMALA	345	14-11-1992
KERALA	KOLLAM	ARYANKAVU	340	14-11-1992
KERALA	KOLLAM	KARUNAGAPALLI	317	4/7/1967
KERALA	KOLLAM	PUNALUR	268.6	10/10/1992

KERALA	KOLLAM	KOTTARAKARA	232.9	22- 5-1933
KERALA	KOLLAM	PUNALUR	584	22- 6-1996
KERALA	THRISSUR	KODUNGALLUR	350	8/6/1992
KERALA	THRISSUR	THRISSUR	420	4/10/2004
KERALA	THRISSUR	CHAVAKKAD	307.3	27- 7-1950
KERALA	THRISSUR	TRIPRAYAR	259.1	26- 5-1933
KERALA	THRISSUR	MUKUNDAPURAM	324.9	13- 7-1961
KERALA	THRISSUR	THALIPIILLY	311.7	28- 5-1941
KERALA	THRISSUR	OLLUKARA	281.4	24- 7-1976
KERALA	THRISSUR	CHALAKUDI	229.8	19- 5-1992
KERALA	THRISSUR	TRICHUR COOP AID	188	2/7/1985
KERALA	THRISSUR	ENAMAKKAL	305.6	13- 6-1992
KERALA	THRISSUR	KANNARA	191.4	17- 7-2007
KERALA	THRISSUR	IRINJALAKUDA	232.2	18- 7-2009
KERALA	THRISSUR	KUNNAMKULAM	225.2	16- 8-2018
KERALA	THRISSUR	VADAKKANCHERRY	246	16- 8-2018
KERALA	THRISSUR	PEECHI A.M.	200	9/12/1972
KERALA	THRISSUR	VELLANIKKARAO	253.6	16- 8-2018
KERALA	THIRUVANANTHAPUR	ATTINGAL	242.6	1/6/1907
KERALA	THIRUVANANTHAPUR	THIRUVANANTHAPUR	401.5	18-10-1964
KERALA	THIRUVANANTHAPUR	VARKALA	304	11/12/2005
KERALA	THIRUVANANTHAPUR	THIRUANANTPUR AP	272.1	11/11/1993
KERALA	THIRUVANANTHAPUR	VALLAYANI	230	1/7/1968
KERALA	THIRUVANANTHAPUR	NEDUMANGAD	245.4	22- 5-1933
KERALA	THIRUVANANTHAPUR	NEYATTINKARA	254	30-11-1922
KERALA	THIRUVANANTHAPUR	PARASALA	204.2	3/6/1920
KERALA	THIRUVANANTHAPUR	PONMUDI	406.4	18-10-1964
KERALA	THIRUVANANTHAPUR	KOVALAM	193.2	28- 5-1981
KERALA	THIRUVANANTHAPUR	VIZHINJIM	144	17-11-1948
KERALA	IDUKKI	KARIKODE	305.8	23- 7-1924
KERALA	IDUKKI	PEERMADE (TO)	349	16- 8-2018
KERALA	IDUKKI	VELLOOR	229.1	11/7/1952
KERALA	IDUKKI	IDUKKI	295	16- 8-2018
KERALA	IDUKKI	THODUPUZHA	262	31- 7-2005
KERALA	IDUKKI	CHINNAR	230.6	26- 1-1934
KERALA	IDUKKI	VANDANMETTU	241	19-12-1981
KERALA	IDUKKI	KUMILY	217.2	16- 7-1924
KERALA	IDUKKI	MYLADUMPARA AGRI	211.2	9/8/2018
KERALA	IDUKKI	MARAYUR	303	14-10-1970
KERALA	IDUKKI	DEVIKULAM	525	16- 7-1984
KERALA	IDUKKI	MUNNAR (KSEB)	476.8	26- 7-2005
KERALA	KASARGOD	KASARGOD	268	19- 7-1977
KERALA	KASARGOD	KASARGOD	226.9	15- 7-1968
KERALA	KASARGOD	HOSDURG	325	6/6/1989

KERALA	KASARGOD	KUDULU	306.6	20- 7-2019
KERALA	PATHANAMTHITTA	THIRUVALLA	256.5	27- 5-1932
KERALA	PATHANAMTHITTA	PATHANAMTHITTA	279.9	4/4/1966
KERALA	PATHANAMTHITTA	KONNI	243.8	17- 7-1968
KERALA	PATHANAMTHITTA	ADUR	223.5	27- 5-1932
KERALA	PATHANAMTHITTA	KURUDAMANNIL	175.6	23- 8-2014
KERALA	WAYANAD	VYTTIRI	533.4	2/7/1961
KERALA	WAYANAD	MANANTHAVADY	306.1	24- 7-1924
KERALA	WAYANAD	AMBALAVAYAL	259.4	9/8/2019
KERALA	WAYANAD	KUPPADI	204	9/8/2019
MAHARASHTRA	RAIGAD	POLADPUR	589	26- 7-2005
MAHARASHTRA	RAIGAD	ALIBAG-CVL.HOSP.	407.7	23- 9-1949
MAHARASHTRA	RAIGAD	URAN	418	2/7/1984
MAHARASHTRA	RAIGAD	MURUD	362	9/6/1991
MAHARASHTRA	RAIGAD	ALIBAG	410.9	4/8/2019
MAHARASHTRA	RAIGAD	KARJAT	687.7	27- 7-2005
MAHARASHTRA	RAIGAD	MATHERAN	657.4	24- 7-1921
MAHARASHTRA	RAIGAD	PEN	525.2	16- 7-1999
MAHARASHTRA	RAIGAD	ROHA	475	25- 7-2005
MAHARASHTRA	RAIGAD	MANGAON	460	5/7/1946
MAHARASHTRA	RAIGAD	MAHAD	501	29- 6-2007
MAHARASHTRA	RAIGAD	PANVEL	378	2/7/1954
MAHARASHTRA	RAIGAD	SHRIWARDHAN	742	26- 6-1968
MAHARASHTRA	RAIGAD	SUDHAGAD	523	26- 7-2005
MAHARASHTRA	RAIGAD	MHASLA	490	17- 7-1999
MAHARASHTRA	RAIGAD	KHALAPUR	415	13- 7-1991
MAHARASHTRA	RAIGAD	BHIRA	713	24- 7-1989
MAHARASHTRA	RAIGAD	BHIVPURI	221	10/7/1975
MAHARASHTRA	RAIGAD	KHOPOLI	186	1/8/1979
MAHARASHTRA	RAIGAD	MATHERAN	843	27- 7-2005
MAHARASHTRA	RAIGAD	TALA	306	25- 7-2005
MAHARASHTRA	RATNAGIRI	RATNAGIRI	637	31- 5-2006
MAHARASHTRA	RATNAGIRI	RAJAPUR	376	30- 7-1995
MAHARASHTRA	RATNAGIRI	LANJA	330.2	25- 6-1958
MAHARASHTRA	RATNAGIRI	RATNAGIRI	637	31- 5-2006
MAHARASHTRA	RATNAGIRI	DEVROKH	478	9/6/1991
MAHARASHTRA	RATNAGIRI	AMBOLI	424.9	11/7/1939
MAHARASHTRA	RATNAGIRI	CHIPLUN	390	30- 6-2007
MAHARASHTRA	RATNAGIRI	GUHAGARH	280	24- 7-1993
MAHARASHTRA	RATNAGIRI	KHED	391.6	16- 7-1965
MAHARASHTRA	RATNAGIRI	DAPOLI	467	26- 6-1983
MAHARASHTRA	RATNAGIRI	MANDANGAD	453	8/6/1991
MAHARASHTRA	RATNAGIRI	HARNAI	436.5	25- 6-1985
MAHARASHTRA	RATNAGIRI	SANGAMESHWAR	553	3/7/2009

MAHARASHTRA	RATNAGIRI	BANDA	363	26- 7-1931
MAHARASHTRA	THANE	THANE	736	27- 7-2005
MAHARASHTRA	THANE	BASSEIN	344.7	16-10-1951
MAHARASHTRA	THANE	MAHIM	356.6	21- 9-1923
MAHARASHTRA	THANE	KALYAN	619	27- 7-2005
MAHARASHTRA	THANE	MURBAD	386.6	23- 7-1921
MAHARASHTRA	THANE	SHAHAPUR	441.2	6/7/1905
MAHARASHTRA	THANE	BHIWANDI	748	27- 7-2005
MAHARASHTRA	THANE	AMBARNATH	1010.1	27- 7-2005
MAHARASHTRA	THANE	THANE(BELAPUR)	720	27- 7-2005
MAHARASHTRA	THANE	ULHASNAGAR	534	27- 7-2005
MAHARASHTRA	SINDHUDURG	VENGURLA	730.5	25- 6-1958
MAHARASHTRA	SINDHUDURG	SAWANTWADI	385	3/10/2009
MAHARASHTRA	SINDHUDURG	VENGURLA	800.6	14- 9-1996
MAHARASHTRA	SINDHUDURG	DODAMARG	374	7/6/2009
MAHARASHTRA	SINDHUDURG	MALVAN	427.2	16- 6-1992
MAHARASHTRA	SINDHUDURG	DEVGAD	530	16- 6-1992
MAHARASHTRA	SINDHUDURG	KUDAL	413	3/10/2009
MAHARASHTRA	SINDHUDURG	KANKAVLI	325	30- 6-1984
MAHARASHTRA	SINDHUDURG	DEVGAD	467.8	19- 6-1971
MAHARASHTRA	SINDHUDURG	MULDE	100.1	17- 7-2019
MAHARASHTRA	SINDHUDURG	VAIBHAVWADI	373	31- 5-2006
MAHARASHTRA	SINDHUDURG	VAIBHAVWADI	288.6	15- 6-1996
MAHARASHTRA	MUMBAI SUBURBAN	KURLA	354.3	27- 6-1915
MAHARASHTRA	MUMBAI SUBURBAN	BORIVALI	385.3	16- 7-1965
MAHARASHTRA	MUMBAI SUBURBAN	BOMBAY JUHU AERO	465.1	23- 9-1949
MAHARASHTRA	MUMBAI SUBURBAN	SANTACRUZ	944.2	27-7-2005
MAHARASHTRA	MUMBAI SUBURBAN	ANDHERI	652	4/7/1974
ODISHA	BALASORE	BALANDAPARA	395	15- 6-1936
ODISHA	BALASORE	GHANTAPARA	122	16- 7-1976
ODISHA	BALASORE	POSARA	250.4	14- 9-1933
ODISHA	BALASORE	SIMULIA	250	7/10/2003
ODISHA	BALASORE	JAIPUR	285	21- 9-2018
ODISHA	BALASORE	SORO	479.3	1/8/1943
ODISHA	BALASORE	BALASORE	398.8	18- 7-1987
ODISHA	BALASORE	NILGIRI	349	11/10/1973
ODISHA	BALASORE	OUPADA	400	31-10-1999
ODISHA	BALASORE	BAHANAGA	500	14- 9-1982
ODISHA	BALASORE	BALASORE	242	7/10/2003
ODISHA	BALASORE	KHAIRA	312	17- 6-2008
ODISHA	BALASORE	REMUNA	324	25- 7-1996
ODISHA	BALASORE	NH5 GOBINDPUR	227.6	4/8/2014
ODISHA	BALASORE	REMUNA	175	25-10-2019
ODISHA	BALASORE	JALESWAR	367.3	17-10-1942

ODISHA	BALASORE	BALIAPAL	700	30- 8-1973
ODISHA	BALASORE	BHOGRAI	335	30-10-1971
ODISHA	BALASORE	RAJGHAT	304.4	20-10-2005
ODISHA	BALASORE	BASTA	222	17- 6-2008
ODISHA	BHADRAK	HANDAPA	268	21- 9-1933
ODISHA	BHADRAK	KRISHNANAGAR	297.6	28- 7-1992
ODISHA	BHADRAK	JARPARA	179.8	14- 6-1936
ODISHA	BHADRAK	PURANKOT(TIKEAPA	256	14- 6-1936
ODISHA	BHADRAK	BANTALA	262	28- 7-1974
ODISHA	BHADRAK	AKHUAPADA	342.9	9/7/1941
ODISHA	BHADRAK	CHANDBALI	437.1	12/10/1973
ODISHA	BHADRAK	AKHUAPADA	361.4	30-10-1999
ODISHA	BHADRAK	BHANDARI POKHARI	300	31-10-1999
ODISHA	BHADRAK	DHAMNAGAR	260	15- 8-2020
ODISHA	BHADRAK	CHANDBALI	269.4	7/10/2003
ODISHA	BHADRAK	DHAMNAGAR	260	15- 8-2020
ODISHA	BHADRAK	TIHIDI	158	25-10-2019
ODISHA	BHADRAK	TIHIDI	255	25- 7-2003
ODISHA	BHADRAK	BHADRAK	446	31-10-1999
ODISHA	BHADRAK	BASUDEVPUR	335	31-10-1999
ODISHA	BHADRAK	BONTH	228.6	17-11-1915
ODISHA	BHADRAK	BANTA	200	26- 7-2003
ODISHA	BHADRAK	RANITAL	114	5/7/2016
ODISHA	BHADRAK	BHADRAK	159	25-10-2019
ODISHA	BHADRAK	BASUDEVPUR	223	25-10-2019
ODISHA	CUTTACK	KASIPUR	147.3	17- 7-1957
ODISHA	CUTTACK	ARKAMBALI FARM	320.2	2/8/1967
ODISHA	CUTTACK	BARAHGA	312	5/8/2007
ODISHA	CUTTACK	CUTTACK	416.8	10/8/1934
ODISHA	CUTTACK	NARSINGHPUR	274.3	14- 6-1936
ODISHA	CUTTACK	TIGIRIA	284	30- 7-2005
ODISHA	CUTTACK	BARAMBA	219.7	27- 8-1947
ODISHA	CUTTACK	MUNDALI	269.8	5/8/2007
ODISHA	CUTTACK	BANKI BANKIGARH	295.4	14- 6-1936
ODISHA	CUTTACK	CUTTACK	330.2	5/8/2007
ODISHA	CUTTACK	NARAJ	304	21- 7-1986
ODISHA	CUTTACK	ATHGARH	275	28- 8-2003
ODISHA	CUTTACK	KANTAPARA	335	5/8/2007
ODISHA	CUTTACK	BANKI	381	13-10-2013
ODISHA	CUTTACK	KANTAPADA	319	12/10/2018
ODISHA	CUTTACK	TIGIRIA	190	12/10/2018
ODISHA	CUTTACK	SALEPUR	317.5	27- 6-1925
ODISHA	CUTTACK	CUTTACK SADAR I	330	5/8/2007
ODISHA	CUTTACK	MAHANGA	281	19- 7-1987



ODISHA	CUTTACK	NISCHINTAKOILI	297.5	20- 8-2020
ODISHA	CUTTACK	MAHANGA	240	15- 8-2020
ODISHA	CUTTACK	NIALI	185.2	12/10/2018
ODISHA	CUTTACK	NISCHINTAKOILI	297.5	20- 8-2020
ODISHA	CUTTACK	SALEPUR	300	20- 8-2020
ODISHA	CUTTACK	NIULI	345	18- 6-1993
ODISHA	CUTTACK	KANSA	185	30- 8-2006
ODISHA	CUTTACK	BANKI DAMPARA	478	18- 8-2012
ODISHA	DHENKANAL	PADWA	248.9	24- 9-1911
ODISHA	DHENKANAL	KHAIRAMAL	214.8	30- 6-2007
ODISHA	DHENKANAL	BHUBAN	246	20- 8-1986
ODISHA	DHENKANAL	DHENKANAL	230.9	24- 6-1908
ODISHA	DHENKANAL	KAMAKHYANAGAR	245	7/10/1993
ODISHA	DHENKANAL	HINDOL	305	17- 7-1991
ODISHA	DHENKANAL	KAMAKHYANAGAR	202	2/7/1995
ODISHA	DHENKANAL	PARJANGA	221	30- 7-2005
ODISHA	DHENKANAL	ALTUMA CWC	173.6	21- 7-2009
ODISHA	DHENKANAL	BHUBAN	225	15- 8-2020
ODISHA	DHENKANAL	PARJANG	200	13-10-2013
ODISHA	DHENKANAL	GONDIA	223	20- 8-1986
ODISHA	DHENKANAL	KANKADAHAD	166	22- 6-1996
ODISHA	DHENKANAL	KANKADAHAD	143.4	15- 8-2020
ODISHA	DHENKANAL	NARAYANAPUR	116	13- 8-1985
ODISHA	GAJAPATI	KASHINAGAR	185	26- 5-2014
ODISHA	GAJAPATI	GUMMA	330	3/7/2006
ODISHA	GAJAPATI	PARALAKHEMUNDI	278	20-10-1994
ODISHA	GAJAPATI	RAYAGUDA	243	13-10-2014
ODISHA	GAJAPATI	RAM/UDAYAGIRI	407	21- 7-2012
ODISHA	GAJAPATI	MOHANA	317	10/10/1938
ODISHA	GAJAPATI	R.UDAIGIRI	258	7/9/2014
ODISHA	GAJAPATI	MOHANA	319.2	4/11/1990
ODISHA	GAJAPATI	MAHENDRAGARH	308	7/10/2003
ODISHA	GAJAPATI	NUAGADA	400	30- 4-2012
ODISHA	GAJAPATI	NUGADA	185.8	13-10-2013
ODISHA	GAJAPATI	BAISINGHA	177.8	7/10/1952
ODISHA	GAJAPATI	SHAMAKUNTA	386	12/10/1973
ODISHA	GAJAPATI	DHANAPANA	190.3	3/9/1967
ODISHA	GAJAPATI	DALKI	185.4	16- 8-1974
ODISHA	GAJAPATI	GOSANI	270	24-10-2013
ODISHA	GANJAM	DIGAPAHANDI	445	4/11/1990
ODISHA	GANJAM	SURADA	213.4	20- 8-1944
ODISHA	GANJAM	ASKA	283.1	24-10-2013
ODISHA	GANJAM	PURUSHOTTAMPUR	280	13-10-2013
ODISHA	GANJAM	GOPALPUR	510.8	24-10-1954

ODISHA	GANJAM	BERHAMPUR	303.5	19-11-1923
ODISHA	GANJAM	KODALA	279.9	24-10-1954
ODISHA	GANJAM	BHANJNAGAR	280	3/11/2012
ODISHA	GANJAM	SORADA	234.2	12/10/2018
ODISHA	GANJAM	MADHABARIDA	244.2	18-10-1999
ODISHA	GANJAM	HIRADHARBATI	190.2	18-10-1980
ODISHA	GANJAM	BELAGUNTHA	265	13-10-2013
ODISHA	GANJAM	DHARKOTE	276	24-10-2013
ODISHA	GANJAM	HINJILCUT	244	6/9/2019
ODISHA	GANJAM	PATRAPUR	241	10/5/1995
ODISHA	GANJAM	BHANJNAGAR	269	3/11/2012
ODISHA	GANJAM	JAGANATH PRASAD	210	18- 6-1992
ODISHA	GANJAM	BELAGUNTHA	210	24-10-2013
ODISHA	GANJAM	DIGAPAHANDI	260	24-10-2013
ODISHA	GANJAM	JAGANNATH PRASAD	205	24-10-2013
ODISHA	GANJAM	RAMBHA	217.6	21- 7-1964
ODISHA	GANJAM	CHHATRAPUR	238.3	19-11-1923
ODISHA	GANJAM	KHALLIKOTE	265	18-10-1999
ODISHA	GANJAM	GANJAM	280	11/5/1995
ODISHA	GANJAM	RAMBHA	137.4	13-10-2013
ODISHA	GANJAM	RANGELILUNDA	240	18-10-1999
ODISHA	GANJAM	JANKIA	279.4	31- 8-1919
ODISHA	GANJAM	BUDUGA(BAGWDA)	421	21- 8-1978
ODISHA	JAGATSINGPUR	NAUGAON	300	5/8/2007
ODISHA	JAGATSINGPUR	JAGATSINGPUR	320.5	3/8/1915
ODISHA	JAGATSINGPUR	PARADIP PORT	229.6	10/8/1963
ODISHA	JAGATSINGPUR	PARADEEP CWR	412	6/9/2018
ODISHA	JAGATSINGPUR	ALIPINGAL	351.2	5/8/2007
ODISHA	JAGATSINGPUR	BALIKUDAI	432	13-10-1971
ODISHA	JAGATSINGPUR	JAGATSINGHPURBLI	146.4	18- 8-1983
ODISHA	JAGATSINGPUR	RAGHUNATHPUR	350	25- 7-1967
ODISHA	JAGATSINGPUR	BALIKUDA	212	21- 5-2016
ODISHA	JAGATSINGPUR	KUJANGA	370	6/9/2018
ODISHA	JAGATSINGPUR	RAGHUNATHPUR	211	6/9/2018
ODISHA	JAGATSINGPUR	TIRTOL	260	6/9/2018
ODISHA	JAGATSINGPUR	KUJANGA	265	29-10-1999
ODISHA	JAGATSINGPUR	JAGATSINGPUR	195	6/9/2018
ODISHA	JAGATSINGPUR	DHAMA	266.7	26- 8-1920
ODISHA	JAGATSINGPUR	PARMANPUR	193	24- 6-1986
ODISHA	JAGATSINGPUR	BARIKEE	137.5	7/7/1973
ODISHA	JAJPUR	SUKINDA	390	30-10-1999
ODISHA	JAJPUR	JAJPUR	320	15- 8-2020
ODISHA	JAJPUR	DHARMASALA	350	11/8/1992
ODISHA	JAJPUR	BINJHARPUR	323	15- 8-2020

ODISHA	JAJPUR	KORAI	301	17- 9-2008
ODISHA	JAJPUR	BARCHANA	320	12/8/2007
ODISHA	JAJPUR	JENAPUR	300.4	17- 9-2008
ODISHA	JAJPUR	BARI	375	30-10-1999
ODISHA	JAJPUR	RASULPUR	255	16- 5-1995
ODISHA	JAJPUR	DASARTHPUR	350	17- 9-2008
ODISHA	JAJPUR	BARI	303	15- 8-2020
ODISHA	JAJPUR	BINJHARPUR	323	15- 8-2020
ODISHA	JAJPUR	CHANDIKHOL	340	15- 8-2020
ODISHA	JAJPUR	DANAGADI	185	13-10-2013
ODISHA	JAJPUR	KOREI	190	13-10-2013
ODISHA	JAJPUR	HINAGIRI	178	19- 8-1975
ODISHA	JAJPUR	BHARUADHIHI	81.3	7/7/1956
ODISHA	JAJPUR	DANGADI	325	17- 9-2008
ODISHA	JAJPUR	RAGHUNATHPALLI	195.3	9/7/1964
ODISHA	JAJPUR	HATIBARI	359.4	22- 8-1956
ODISHA	JAJPUR	TALSARA	140	14-10-1956
ODISHA	JAJPUR	BIRAMITRAPUR	180.3	9/6/1956
ODISHA	KENDRAPADA	KENDRAPADA	480	29-10-1999
ODISHA	KENDRAPADA	AUL	475	29-10-1999
ODISHA	KENDRAPADA	RAJKANIKA	479	29-10-1999
ODISHA	KENDRAPADA	PATTAMUNDAI	455	29-10-1999
ODISHA	KENDRAPADA	PATKURA	290	4/6/1982
ODISHA	KENDRAPADA	RAJNAGAR	480	29-10-1999
ODISHA	KENDRAPADA	DERABIS	298	6/9/2018
ODISHA	KENDRAPADA	GARADAPUR	240	6/9/2018
ODISHA	KENDRAPADA	MARSAGHAI	336	6/9/2018
ODISHA	KENDRAPADA	DERABIS	482	29-10-1999
ODISHA	KENDRAPADA	MAHAKALPARA	495	29-10-1999
ODISHA	KEONJHAR	KEONJHARGARH	273.1	3/7/1945
ODISHA	KEONJHAR	PADAMPARA	192	13- 9-1974
ODISHA	KEONJHAR	TELKOI	358	28- 6-2005
ODISHA	KEONJHAR	PATNA	211	7/7/2007
ODISHA	KEONJHAR	GHATAGAON	275	16-10-1985
ODISHA	KEONJHAR	KEONJHARGARH	234	2/10/2001
ODISHA	KEONJHAR	SWAM-PATNA	182	28- 6-2005
ODISHA	KEONJHAR	TELKOI	358	28- 6-2005
ODISHA	KEONJHAR	DAITARI	201.5	10/5/1995
ODISHA	KEONJHAR	HARICHANDPUR	220	1/9/1973
ODISHA	KEONJHAR	JHUMPURA	263	29- 6-2005
ODISHA	KEONJHAR	HARICHANDANPUR	113.6	1/9/2018
ODISHA	KEONJHAR	ANANDPUR	415	31-10-1999
ODISHA	KEONJHAR	BHIMKUD	229.5	15- 8-1960
ODISHA	KEONJHAR	ANANDPUR	396.8	30-10-1999

ODISHA	KEONJHAR	CHAMPUA	564.9	30- 7-1927
ODISHA	KEONJHAR	CHAMPUA	201	26- 8-2020
ODISHA	KEONJHAR	JODA	304	6/7/2007
ODISHA	KEONJHAR	JODA	211.6	26- 7-2013
ODISHA	KEONJHAR	BANSAPAL	194	5/8/2014
ODISHA	KHURDA	TANGI	254	20- 6-1912
ODISHA	KHURDA	BANPUR	255	3/7/2006
ODISHA	KHURDA	BARMUL	299.4	29- 8-1982
ODISHA	KHURDA	BARMUL	219.6	30- 7-2005
ODISHA	KHURDA	KHURDA	236.2	23- 7-1937
ODISHA	KHURDA	BOLGARH	254	31- 8-1919
ODISHA	KHURDA	BHUBANESHWAR	364	30-10-1999
ODISHA	KHURDA	BHUBANESWAR AERO	426.4	30-10-1999
ODISHA	KHURDA	BALIANITA	340	30-10-1999
ODISHA	KHURDA	BALIPATRA	197	16- 6-1993
ODISHA	KHURDA	BEGUNIA	290	13-10-2013
ODISHA	KHURDA	JATNI	215	13-10-2013
ODISHA	KHURDA	BALIPATNA	186	4/5/2019
ODISHA	KHURDA	BOLAGARH	183	12/10/2018
ODISHA	KHURDA	CHILIKA	299	10/5/1995
ODISHA	MAYURBHANJ	KARANJIA	363.2	30- 7-1927
ODISHA	MAYURBHANJ	RARUAN	260	9/7/1976
ODISHA	MAYURBHANJ	BARIPADA	467.4	12/10/1973
ODISHA	MAYURBHANJ	MURDA	325	7/6/1978
ODISHA	MAYURBHANJ	UDALA	315	30-10-1999
ODISHA	MAYURBHANJ	JOSHIPUR	208.2	6/7/2007
ODISHA	MAYURBHANJ	THAKURMUNDA	327	10/6/1988
ODISHA	MAYURBHANJ	BARIPADA	467.4	12/10/1973
ODISHA	MAYURBHANJ	UDALA	315	30-10-1999
ODISHA	MAYURBHANJ	THAKURMUNDA	376.6	28- 6-2005
ODISHA	MAYURBHANJ	JOSHIPUR	208.2	6/7/2007
ODISHA	MAYURBHANJ	TIRING	360	18- 6-2008
ODISHA	MAYURBHANJ	NAWANA	250.2	18- 6-2008
ODISHA	MAYURBHANJ	BETNATI	242	13-10-2013
ODISHA	MAYURBHANJ	KHUNTA	294	13-10-2013
ODISHA	MAYURBHANJ	BASAH(BARASAH)	165	1/10/2001
ODISHA	MAYURBHANJ	BETANATI	158	13-10-2018
ODISHA	MAYURBHANJ	KAPTIPADA	229	13-10-2013
ODISHA	MAYURBHANJ	SAMAKHUNTA	242.6	3/9/1993
ODISHA	MAYURBHANJ	BALIMUNDALI	305.4	13-10-2013
ODISHA	MAYURBHANJ	KARANJIA	192	18- 6-2008
ODISHA	MAYURBHANJ	SULIPADA	209	18- 6-2008
ODISHA	MAYURBHANJ	RAIRANGPUR	322	17- 6-2008
ODISHA	MAYURBHANJ	BANGIRIPOS	208.6	13-10-2013

ODISHA	MAYURBHANJ	BAHALDA	424	18- 6-2008
ODISHA	MAYURBHANJ	TIRING	360	18- 6-2008
ODISHA	MAYURBHANJ	JAMSOLAGHAT	266.6	6/7/2007
ODISHA	MAYURBHANJ	BANGIRIPOS	225	21- 6-1981
ODISHA	MAYURBHANJ	RAIRANGPUR	322	17- 6-2008
ODISHA	MAYURBHANJ	BIJATALA	375.4	13- 8-2007
ODISHA	MAYURBHANJ	JAMDA	260	17- 6-2008
ODISHA	MAYURBHANJ	KUSUMI	233	22- 4-2020
ODISHA	MAYURBHANJ	SARASKANA	260	3/8/1992
ODISHA	MAYURBHANJ	CHANDANPUR	253.6	4/5/2019
ODISHA	MAYURBHANJ	SAMAKHUNTA	193	26-10-2013
ODISHA	MAYURBHANJ	BISOI	352	13-10-2013
ODISHA	NAYAGARH	DASPALLA	197	12/10/2018
ODISHA	NAYAGARH	ODAGAON	208	13-10-2013
ODISHA	NAYAGARH	RANPUR	296	13-10-2013
ODISHA	NAYAGARH	KHANDAPARAGARH	288	30- 7-2005
ODISHA	NAYAGARH	NAYAGARH	345	13- 7-2009
ODISHA	NAYAGARH	BHAPUR	180	17-10-1999
ODISHA	NAYAGARH	GANIA	280	21- 8-1997
ODISHA	NAYAGARH	KHANDPARA BL II	412	13- 7-2009
ODISHA	NAYAGARH	GANIA	169	12/10/2018
ODISHA	NAYAGARH	NUAGAON	240	18- 8-2012
ODISHA	NAYAGARH	ODAGAON	225	18- 8-1994
ODISHA	PURI	PURI	394	7/8/2018
ODISHA	PURI	KRISHNAPRASAD	276	19- 7-2009
ODISHA	PURI	BRAHMAGIRI	315	3/7/2006
ODISHA	PURI	SATYABADI	195	21- 7-2018
ODISHA	PURI	BRAHMAGIRI	300	15- 7-2018
ODISHA	PURI	GOP	328.9	27- 8-1947
ODISHA	PURI	ASTARANG	274	21- 8-1997
ODISHA	PURI	ASTARANGA	180	15- 7-2018
ODISHA	PURI	KANAS	315	7/9/2019
ODISHA	PURI	PIPILI	322.6	27- 6-1925
ODISHA	PURI	KAKATPUR	310	30-10-1999
ODISHA	PURI	NIMPARA	280	27- 9-1995
ODISHA	PURI	DALANGA	268	25- 9-2019
UNION TERRITORY	DADRA & N.HAVELI	NAROLI	413.2	31- 7-1976
UNION TERRITORY	DADRA & N.HAVELI	SILVASSA	386.6	17- 9-1998
UNION TERRITORY	DADRA & N.HAVELI	KHANVEL	369.6	30- 7-1976
UNION TERRITORY	DADRA & N.HAVELI	DUDHANI	493.2	30- 8-1971
UNION TERRITORY	DADRA & N.HAVELI	KILAVANI	310.4	30- 7-1976
UNION TERRITORY	DADRA & N.HAVELI	MADHUBAN	443	3/8/2004
UNION TERRITORY	DAMAN	DAMAN	389.4	27- 6-2002
UNION TERRITORY	DIU	DIU	410.3	23- 6-1958

UNION TERRITORY	PUDUCHERRY	PUDUCHERRY	538.1	5/10/1991
UNION TERRITORY	PUDUCHERRY	PUDUCHERRY AP	210.8	31-10-2004
UNION TERRITORY	KARAIKAL	KARAIKAL	480.9	15-11-1991
TAMILNADU	CHENNAI	TARAMANI	300	2/12/2015
TAMILNADU	CHENNAI	NUNGAMBAKKAM	452.4	25-11-1976
TAMILNADU	CHENNAI	EGMORE	365	3/12/2005
TAMILNADU	CHENNAI	SAIDAPET	460	13-11-1985
TAMILNADU	CHENNAI	MINAMBAKKAM AERO	354.1	2/12/2015
TAMILNADU	CHENNAI	CHEPAUK COMPOUND	403.8	13-11-1985
TAMILNADU	CHENNAI	CHENNAI HARBOUR	185	30-11-1980
TAMILNADU	CHENNAI	ANNA UNIVERSITY	319	2/12/2015
TAMILNADU	CHENNAI	GUINDY	150	8/5/1990
TAMILNADU	CHENNAI	ANNA UNIVERSITY	221.6	2/12/2015
TAMILNADU	CHENNAI	DGP OFFICE	295.8	3/11/2017
TAMILNADU	CUDDALORE	ELUTHUR	193	8/11/2010
TAMILNADU	CUDDALORE	GOMUKHINADHI	127.5	18-11-1980
TAMILNADU	CUDDALORE	PANRUTI	349.8	10/11/2015
TAMILNADU	CUDDALORE	CUDDALORE	572	18- 5-1943
TAMILNADU	CUDDALORE	KURINJIPADI	325.1	7/12/1952
TAMILNADU	CUDDALORE	PORTO NOVO	395.7	14- 4-1931
TAMILNADU	CUDDALORE	CHIDAMBARAM	359.4	18- 5-1943
TAMILNADU	CUDDALORE	KATTUMANNARKOIL	341	4/11/1978
TAMILNADU	CUDDALORE	SRIMUSHNAM	380	10/11/1913
TAMILNADU	CUDDALORE	TITTAGUDI	508	28-12-1964
TAMILNADU	CUDDALORE	VRIDDHACHALAM	259.3	10/11/1913
TAMILNADU	CUDDALORE	NEYVELI	483	10/11/2015
TAMILNADU	CUDDALORE	CHIDAMBARAM	244	10/11/2015
TAMILNADU	CUDDALORE	VRIDDHACHALAM AN	255	15-11-1991
TAMILNADU	CUDDALORE	KATTUMYLORE ANIC	457	28-11-1959
TAMILNADU	CUDDALORE	PELANDURAI	240	15-11-1991
TAMILNADU	CUDDALORE	SHATIATOPE ANICU	287	4/11/1998
TAMILNADU	CUDDALORE	THOLUTHUR	445	29-11-2000
TAMILNADU	CUDDALORE	MEMATHUR ANICU	194.3	28-11-1959
TAMILNADU	CUDDALORE	VANAMADEVI ANICU	271	4/11/1967
TAMILNADU	CUDDALORE	KEILACHERUVA ANI	442	29-11-2000
TAMILNADU	CUDDALORE	KOTHAVACHERI	335	4/12/2020
TAMILNADU	CUDDALORE	P.PETAI/PORTO NO	332	10/11/2015
TAMILNADU	CUDDALORE	ANNAMALAI	375.8	4/12/2020
TAMILNADU	CUDDALORE	KUPPANATHAM	480	15-11-1991
TAMILNADU	CUDDALORE	ANNAMALAI UNIVER	318.2	4/11/1978
TAMILNADU	CUDDALORE	ELLIES CHATRAM	350	19-12-2007
TAMILNADU	CUDDALORE	LAKKUR	602.2	11/12/1998
TAMILNADU	CUDDALORE	SETHIYATHOPE	343	10/11/2015
TAMILNADU	CUDDALORE	BHUVANAGIRI	210	26-11-2008

TAMILNADU	CUDDALORE	LALPET	298.5	4/12/2020
TAMILNADU	CUDDALORE	PARANKIPET	264.2	4/12/2020
TAMILNADU	CUDDALORE	VEPPUR	143	28-11-2008
TAMILNADU	KANCHEEPURAM	KANCHEEPURAM	342	13-11-2015
TAMILNADU	KANCHEEPURAM	SRIPERUMBUDUR	416.1	10/10/1943
TAMILNADU	KANCHEEPURAM	UTHIRAMERUR	274.3	19-11-1915
TAMILNADU	NAGAPATTINAM	NAGAPATTINAM	402.6	5/12/1963
TAMILNADU	NAGAPATTINAM	TIRUPOONDI	438	11/11/1985
TAMILNADU	NAGAPATTINAM	VEDARANNIYAM	500.1	18-11-1918
TAMILNADU	NAGAPATTINAM	NEIDAVASAL	373.9	23-10-1930
TAMILNADU	NAGAPATTINAM	TALANAYAR	386	22-12-1983
TAMILNADU	NAGAPATTINAM	VEDARANNIYAM	418.4	27-11-2008
TAMILNADU	NAGAPATTINAM	TRANQUEBAR	379.7	25-11-1932
TAMILNADU	NAGAPATTINAM	COLEROON	361.4	4/12/2020
TAMILNADU	PUDUKOTTAI	MIMISEL	168.2	10/11/1994
TAMILNADU	PUDUKOTTAI	ARANTHANGI	365.8	24-10-1930
TAMILNADU	PUDUKOTTAI	ILUPPUR	255	24-10-1930
TAMILNADU	PUDUKOTTAI	PUDUKKOTTAI	291.8	24-10-1930
TAMILNADU	PUDUKOTTAI	TIRUMAYAM	206	16-11-1939
TAMILNADU	PUDUKOTTAI	KEELANILAI	259.1	16-11-1939
TAMILNADU	PUDUKOTTAI	KULATTUR/KEERNUR	285.8	16-11-1939
TAMILNADU	PUDUKOTTAI	VIRALIMALAI	266.7	14- 1-1921
TAMILNADU	PUDUKOTTAI	ODAYALIPATTI	349.8	16-11-1939
TAMILNADU	PUDUKOTTAI	ANNAVASAL	298.2	24-10-1930
TAMILNADU	PUDUKOTTAI	PONNAMARAVATHI	259.1	2/12/1955
TAMILNADU	PUDUKOTTAI	ADANAKOTTAI	252.7	16-11-1939
TAMILNADU	PUDUKOTTAI	PERUNGALUR	389.1	16-11-1939
TAMILNADU	PUDUKOTTAI	KARAIYUR	222.4	19-12-2007
TAMILNADU	PUDUKOTTAI	ALANGUDI	380.2	1/12/1952
TAMILNADU	PUDUKOTTAI	KUDUMIAMALAI	200	29-11-1995
TAMILNADU	PUDUKOTTAI	ARIMALAM	266.6	23-12-1983
TAMILNADU	PUDUKOTTAI	KUDUMIAMALAI	181.4	23-12-1983
TAMILNADU	PUDUKOTTAI	KATTUMAVADI	304	27-11-2008
TAMILNADU	PUDUKOTTAI	K.PUDUPATTI	142	29- 7-2020
TAMILNADU	PUDUKOTTAI	KARAMBAKKUDI	310.4	24-10-1930
TAMILNADU	PUDUKOTTAI	MALAIYUR	931	25- 9-2000
TAMILNADU	PUDUKOTTAI	NAGUDI	124	7/1/1990
TAMILNADU	PUDUKOTTAI	AYINGUDI	206.4	2/2/2002
TAMILNADU	PUDUKOTTAI	MANAMELKUDI	217.4	25-10-2007
TAMILNADU	PUDUKOTTAI	AVUDAYARKOIL	261	25-11-2005
TAMILNADU	PUDUKOTTAI	GANDARVAKOTTAI	340	22-11-1999
TAMILNADU	RAMANATHAPURAM	TIRUVADANAI	210	28-10-1998
TAMILNADU	RAMANATHAPURAM	PARAMAKUDI	171	9/11/1966
TAMILNADU	RAMANATHAPURAM	RAMANATHAPURAM	351.2	11/12/2005



TAMILNADU	RAMANATHAPURAM	MOREKULAM	950	5/11/1998
TAMILNADU	RAMANATHAPURAM	MUDUKULATHUR	240	10/12/1996
TAMILNADU	RAMANATHAPURAM	KAMUTHI	194.3	2/12/1955
TAMILNADU	RAMANATHAPURAM	KADALADI	205	5/4/2005
TAMILNADU	RAMANATHAPURAM	R.S.MANGALAM	210	21- 3-2008
TAMILNADU	RAMANATHAPURAM	VALINOCKAM	145	28-12-2000
TAMILNADU	RAMANATHAPURAM	KAMUTHI	83	8/5/2014
TAMILNADU	RAMANATHAPURAM	VALINOKKAM	77	1/12/2019
TAMILNADU	RAMANATHAPURAM	RAMESWARAM	227	25-11-2008
TAMILNADU	RAMANATHAPURAM	THERTHANDATHANAM	387.4	3/12/1955
TAMILNADU	RAMANATHAPURAM	VATTANAM	439.4	2/12/1955
TAMILNADU	RAMANATHAPURAM	PAMBAN	218.7	2/12/1955
TAMILNADU	RAMANATHAPURAM	THONDI	258.5	20-10-2012
TAMILNADU	RAMANATHAPURAM	THANGACHI MADAM	168.4	22-10-2019
TAMILNADU	RAMANATHAPURAM	MANDAPAM	247	24-11-2008
TAMILNADU	SIVAGANGA	KANNANKUDI	143	24-11-2005
TAMILNADU	SIVAGANGA	SIVAGANGA	170	17-11-2018
TAMILNADU	SIVAGANGA	THIRUPPUVANAM	193.1	24-12-1964
TAMILNADU	SIVAGANGA	MANAMADHURAI	193.1	24-12-1964
TAMILNADU	SIVAGANGA	S.PUDUR	172.8	19-12-2007
TAMILNADU	SIVAGANGA	ILLAYANKUDI	225	20-10-1973
TAMILNADU	SIVAGANGA	DEVAKOTTAI	540.5	21-11-2000
TAMILNADU	SIVAGANGA	KALAYAR KOIL	147.5	27- 7-2001
TAMILNADU	SIVAGANGA	KALLAL	139	8/12/1993
TAMILNADU	SIVAGANGA	THIRUPPATHUR	265.2	2/12/1955
TAMILNADU	SIVAGANGA	KARAIKUDI	144	19- 1-1991
TAMILNADU	SIVAGANGA	KARAIKUDI	166	23-12-1983
TAMILNADU	SIVAGANGA	SINGAMPUNERI	102.5	3/10/1999
TAMILNADU	TIRUNELVELI	AMBASAMUDRAM	373.1	14-11-1992
TAMILNADU	TIRUNELVELI	PALAYANKOTTAI	292.8	9/1/1963
TAMILNADU	TIRUNELVELI	NANGUNERI	240	31-10-1990
TAMILNADU	TIRUNELVELI	RADHAPURAM	297	14-11-1992
TAMILNADU	TIRUNELVELI	TIRUNELVELI	251	10/11/1933
TAMILNADU	TIRUNELVELI	KANNADIAN ANICUT	253	7/5/2014
TAMILNADU	TIRUNELVELI	CHERANMAHADEVI	245	19- 2-1977
TAMILNADU	TIRUNELVELI	MANIMUTHAR	378.6	1/12/2017
TAMILNADU	TIRUNELVELI	ALAGIYAPUNDIAPUR	177.4	9/11/2006
TAMILNADU	TIRUNELVELI	KALAKADU	125	11/11/2007
TAMILNADU	TIRUNELVELI	MUNDANTHURAI	120	8/7/1991
TAMILNADU	TIRUNELVELI	PAZHAVOOR	190	18- 3-1994
TAMILNADU	TIRUNELVELI	PANAGUDI	224.8	31-10-2002
TAMILNADU	TIRUNELVELI	PAPANASAM	300	7/5/2014
TAMILNADU	TIRUNELVELI	ALL	120	24-11-2012
TAMILNADU	TIRUNELVELI	KIRNUR DAM	226.1	1/12/1914

TAMILNADU	TIRUVANNAMALAI	CHENGAM	223.8	31-12-1903
TAMILNADU	TIRUVANNAMALAI	PICKUP ANICUT	217	20-12-2007
TAMILNADU	TIRUVANNAMALAI	SATHANUR PROJ.	233.2	2/12/2017
TAMILNADU	TIRUVANNAMALAI	MELPATTU	350	27- 8-1981
TAMILNADU	TIRUVANNAMALAI	THANIPADI	205	20-12-2007
TAMILNADU	TIRUVANNAMALAI	PATTARIKADU	198	3/9/2008
TAMILNADU	TIRUVANNAMALAI	POLUR	172.6	7/12/1965
TAMILNADU	TIRUVANNAMALAI	ARNI	256.5	20-11-1912
TAMILNADU	TIRUVANNAMALAI	WANDIWASH	408	30- 8-1965
TAMILNADU	TIRUVANNAMALAI	SENBAGA THOPE	52	23- 8-2005
TAMILNADU	TIRUVANNAMALAI	TIRUVANNAMALAI	303.5	23-11-1916
TAMILNADU	TIRUVANNAMALAI	CHEYAR	266.7	22-11-1915
TAMILNADU	TIRUVANNAMALAI	DUSI %AYYANKULAM	192.3	3/11/1960
TAMILNADU	TIRUVANNAMALAI	ALIABAD ANICUT	208	9/12/1972
TAMILNADU	TIRUVANNAMALAI	VAKKADAI/UKKADAI	235	19-10-1996
TAMILNADU	TIRUVANNAMALAI	CHEYAR ANICUT	200	14-12-1996
TAMILNADU	TIRUVANNAMALAI	KOVILUR	222	4/11/1966
TAMILNADU	TIRUVANNAMALAI	VANAPURAM	199	13-10-2011
TAMILNADU	TIRUVANNAMALAI	IANKARKULAM	260.1	14- 6-1996
TAMILNADU	TIRUVANNAMALAI	KEELMATCHIPATTU	145.2	29-10-1991
TAMILNADU	TIRUVANNAMALAI	AMIRTHI	200.1	8/9/1990
TAMILNADU	TIRUVANNAMALAI	PENNATHUR	108	6/5/1995
TAMILNADU	TIRUVANNAMALAI	CHETPET	362.6	19-12-2007
TAMILNADU	TIRUVANNAMALAI	KOVILUR ANICUT	275	5/11/1994
TAMILNADU	TIRUVANNAMALAI	ELATHUR	193	8/11/2010
TAMILNADU	TIRUVANNAMALAI	KOMITTERI	210	30- 8-1987
TAMILNADU	THIRUVARUR	VALANGIMAN	253	14- 4-1939
TAMILNADU	THIRUVARUR	KODAVASAL	429	7/12/1997
TAMILNADU	THIRUVARUR	NANNILAM	291.3	10/12/1954
TAMILNADU	THIRUVARUR	THIRUVARUR	327.4	18-11-1918
TAMILNADU	THIRUVARUR	TIRUTHURAI PNDI	363.7	20-10-1954
TAMILNADU	THIRUVARUR	MUTHUPET	343.7	24-10-1930
TAMILNADU	THIRUVARUR	MANNARGUDI	252.4	27-11-2008
TAMILNADU	THIRUVARUR	NEEDAMANGALAM	240	27-11-2008
TAMILNADU	THIRUVARUR	KORAIYAR HEAD	220.6	7/8/1982
TAMILNADU	THIRUVARUR	PANDAVAR HEAD	241.3	4/11/1978
TAMILNADU	THIRUVARUR	MULLIAR HEAD	500	29-11-1990
TAMILNADU	THIRUVARUR	KORDACHERI	235	22-12-1983
TAMILNADU	THIRUVARUR	PERALAM	260.8	15-11-1991
TAMILNADU	THIRUVARUR	KOLLIDAM	206.4	8/11/2005
TAMILNADU	THOOTHUKUDI	KAYATHAR	354	21-10-2012
TAMILNADU	THOOTHUKUDI	SATHANKULAM	219	3/11/2018
TAMILNADU	THOOTHUKUDI	SRIVA KUNDAM	217.4	10/12/1931
TAMILNADU	THOOTHUKUDI	KILLIKULAM	158.6	28-12-2000

TAMILNADU	THOOTHUKUDI	SYDUNGANALLUR	82	9/3/2006
TAMILNADU	THOOTHUKUDI	MANIYATCHI	156	7/12/2020
TAMILNADU	THOOTHUKUDI	MURAPPANADU	140.6	28-12-2000
TAMILNADU	THOOTHUKUDI	KAYATHAR	86.5	7/12/2020
TAMILNADU	THOOTHUKUDI	MANIYACHI	165	18-10-2006
TAMILNADU	THOOTHUKUDI	ARASADI	243.6	16-12-1946
TAMILNADU	THOOTHUKUDI	THOOTHUKUDI	198.6	4/11/1937
TAMILNADU	THOOTHUKUDI	OTTAPIDARAM	190.9	16-10-1996
TAMILNADU	THOOTHUKUDI	KULASEKARAPATNAM	315	4/12/1940
TAMILNADU	THOOTHUKUDI	THIRUCHENDUR	280	6/12/1997
TAMILNADU	THOOTHUKUDI	THOOTHUKUDI	200.8	14- 3-2018
TAMILNADU	THOOTHUKUDI	THOOTHUKUDI HAR	190.5	2/11/1973
TAMILNADU	THOOTHUKUDI	KAYALPATTINAM	210	18-11-2020
TAMILNADU	THOOTHUKUDI	TUTICORIN PORT	154	17-11-2020
TAMILNADU	THOOTHUKUDI	VEDANATHAM	111	12/3/2006
TAMILNADU	THOOTHUKUDI	KOVILPATTI	155.2	9/11/2009
TAMILNADU	THOOTHUKUDI	KOVILPATTI AGRO	107	1/12/2017
TAMILNADU	THOOTHUKUDI	KADAMBUR	229	21-10-2012
TAMILNADU	THOOTHUKUDI	KALAMPATTI	137	9/11/2009
TAMILNADU	THOOTHUKUDI	KAZHUGUMALAI	136	10/11/2007
TAMILNADU	THOOTHUKUDI	KOVILPATTI RRS	154.6	28-10-2006
TAMILNADU	THOOTHUKUDI	VILATHIKULAM	231.1	5/12/1903
TAMILNADU	THOOTHUKUDI	SURANGUDI	150	16- 3-2008
TAMILNADU	THOOTHUKUDI	VAIPPAR	158	14-10-2008
TAMILNADU	THOOTHUKUDI	ETTAYAPURAM	167	28-12-2000
TAMILNADU	THOOTHUKUDI	KADALKUDI	115	11/12/2005
TAMILNADU	THOOTHUKUDI	MALAI PATTI	57	19-10-1991
TAMILNADU	THOOTHUKUDI	SURANGUDI	90	21-10-2008
TAMILNADU	VILLUPURAM	VILLUPURAM	336.6	18- 5-1943
TAMILNADU	VILLUPURAM	THIRUNAVAILUR	0	1/12/2001
TAMILNADU	VILLUPURAM	GINGEE	371.9	19- 5-1943
TAMILNADU	VILLUPURAM	DINDIVANAM(T.VAN	312.7	19- 5-1943
TAMILNADU	VILLUPURAM	MARAKANAM	421	2/12/2015
TAMILNADU	VILLUPURAM	VANUR	421.6	19- 5-1943
TAMILNADU	VILLUPURAM	VIDUR DAM-SITE	213	14-12-1996
TAMILNADU	VILLUPURAM	PANNAPAKKAN	700	23- 4-1999
TAMILNADU	VILLUPURAM	VALATHI	120	6/11/1994
TAMILNADU	VILLUPURAM	MAILAM	142	2/12/2017
TAMILNADU	ARIYALUR	THIRUMANUR	271	19-12-2007
TAMILNADU	ARIYALUR	ARIYALUR	329.2	16-12-1933
TAMILNADU	ARIYALUR	JAYAMKONDAM	415.3	10/11/1913
TAMILNADU	ARIYALUR	ARIYALUR	242	23-12-1983
TAMILNADU	ARIYALUR	SENTHURAI	160	24-11-2005
TAMILNADU	KANNIYAKUMARI	MARUDHAMPARAI	750	10/10/1999

TAMILNADU	KANNIYAKUMARI	PUTHALAM	110	17- 3-1988
TAMILNADU	KANNIYAKUMARI	PECHIPPARAI	240.8	6/11/1978
TAMILNADU	KANNIYAKUMARI	KALIYAL	286.4	8/12/2010
TAMILNADU	KANNIYAKUMARI	KULASEKARAM	188	23-10-1930
TAMILNADU	KANNIYAKUMARI	PUTHANDAM	238.8	30-10-1924
TAMILNADU	KANNIYAKUMARI	THADIKAREKONAM	200.7	9/11/1925
TAMILNADU	KANNIYAKUMARI	SEETAPAL	304.8	30-11-1922
TAMILNADU	KANNIYAKUMARI	MECODE ADANDAI	299.5	11/11/1993
TAMILNADU	KANNIYAKUMARI	MULAGUMODE	252	6/9/2008
TAMILNADU	KANNIYAKUMARI	ERANIEL	300.4	21-10-2008
TAMILNADU	KANNIYAKUMARI	KULACHAL SALT FA	254.3	10/5/1939
TAMILNADU	KANNIYAKUMARI	NAGARCOIL	237.5	19-11-1929
TAMILNADU	KANNIYAKUMARI	RAJAKKAMANGALAM	217.2	9/11/1925
TAMILNADU	KANNIYAKUMARI	TAMARAIKULAM	258.1	31- 1-1958
TAMILNADU	KANNIYAKUMARI	KOTTARAM	278	4/5/1960
TAMILNADU	KANNIYAKUMARI	ARAMBOLY/A.MOZHI	432.3	31- 1-1958
TAMILNADU	KANNIYAKUMARI	THUCKALAY	231.4	11/11/1993
TAMILNADU	KANNIYAKUMARI	A.KIDANGU/P.CHAN	243.5	7/9/1998
TAMILNADU	KANNIYAKUMARI	KUZHITHURAI	280.4	21-10-2019
TAMILNADU	KANNIYAKUMARI	SHORLAKODE	330.2	13-11-1918
TAMILNADU	KANNIYAKUMARI	BOOTHAPANDI	184	11/11/1993
TAMILNADU	KANNIYAKUMARI	BALAMORE	516.1	16- 1-1958
TAMILNADU	KANNIYAKUMARI	THIRUPARAPPU	216	15- 7-2008
TAMILNADU	KANNIYAKUMARI	MYLAUDY	262.8	10/10/1998
TAMILNADU	KANNIYAKUMARI	MUKKADAL	700.9	11/10/1998
TAMILNADU	KANNIYAKUMARI	KANYAKUMARI	180.6	7/5/1995
TAMILNADU	KANNIYAKUMARI	S.M.K.M.S.S.ALLO	250	14-11-1992
TAMILNADU	KANNIYAKUMARI	CHITRAR	282	4/12/2010
TAMILNADU	KANNIYAKUMARI	KANNIMAR	188.2	16- 9-1997
TAMILNADU	KANNIYAKUMARI	KEERIPARAI	288	10/10/1992
TAMILNADU	KANNIYAKUMARI	KUTRIAR	212	8/12/2010
TAMILNADU	KANNIYAKUMARI	MANALODAI	321.6	8/12/2010
TAMILNADU	KANNIYAKUMARI	MYLAR	335	13-11-1992
TAMILNADU	KANNIYAKUMARI	NILAPARAI	175	11/11/1993
TAMILNADU	KANNIYAKUMARI	PARALIYAR	635	25- 9-2000
TAMILNADU	KANNIYAKUMARI	THOVALAI	184	11/11/1993
TAMILNADU	KANNIYAKUMARI	LOWER KOTHAIYAR	143	9/10/2015
TAMILNADU	KANNIYAKUMARI	KALLAR	812.6	29-12-2000
TAMILNADU	KANNIYAKUMARI	KALIKASAM	360	14-11-1992
TAMILNADU	TANJAVUR	AYYAMPETTAI	290	22-11-1999
TAMILNADU	TANJAVUR	TIRUKKATTUPALLI	213.6	10/8/1903
TAMILNADU	TANJAVUR	GRAND ANICUT	332	22-11-1999
TAMILNADU	TANJAVUR	GRAND ANICUT	215.4	4/11/1978
TAMILNADU	TANJAVUR	BUDALUR	224	22-11-1999

TAMILNADU	TANJAVUR	KUMBHAKONAM	263	27-11-2008
TAMILNADU	TANJAVUR	PAPANASAM	273.2	11/9/1995
TAMILNADU	TANJAVUR	TIRUVAIYARU	343	23-12-1983
TAMILNADU	TANJAVUR	TANJAVUR	528.5	27-11-2008
TAMILNADU	TANJAVUR	VALLAM	250	24-11-2005
TAMILNADU	TANJAVUR	PATTUKKOTTAI	325	27-11-2008
TAMILNADU	TANJAVUR	ADIRAMAPATNAM	363	23-12-1983
TAMILNADU	TANJAVUR	PERAVOORANI	259.3	23-12-1983
TAMILNADU	TANJAVUR	MADUKKUR	422	23-12-1983
TAMILNADU	TANJAVUR	VETTICADU	304.4	23-12-1983
TAMILNADU	TANJAVUR	ECHENVIDUTHI	304.6	27-11-2008
TAMILNADU	TANJAVUR	NEIVASAL%TENPATH	314	23-12-1983
TAMILNADU	TANJAVUR	TANJAVUR	528.5	27-11-2008
TAMILNADU	TANJAVUR	KURUNGULAM	284	27-11-2008
TAMILNADU	TANJAVUR	ORATHANEDU ANI.H	656	27-11-2008
TAMILNADU	TANJAVUR	THIRUVIDAIMARUTH	308	4/12/2005
TAMILNADU	TANJAVUR	MANJALLAR HEAD	358.7	6/12/1987
TAMILNADU	TANJAVUR	ADUTHURAI	204.6	26-11-2008
TAMILNADU	TANJAVUR	ADHUPURAI AGRO	117	4/12/2020
TAMILNADU	TANJAVUR	ADUTHURAI	258	5/12/1993
TAMILNADU	TANJAVUR	KEELARAI/L ANICU	620	16- 5-1998
TAMILNADU	TANJAVUR	SHOLAPURAM	80	27-10-1990
TAMILNADU	TANJAVUR	THIRUVIDALMARTHU	298	25-11-2008
TAMILNADU	TIRUVALLUR	VAYALUR	357.9	14-11-1915
TAMILNADU	TIRUVALLUR	THIRUVALLUR	335.3	10/12/1901
TAMILNADU	TIRUVALLUR	TIRUTHANI	212.1	10/12/1901
TAMILNADU	TIRUVALLUR	PALLIPATTU	167.6	16-12-1933
TAMILNADU	TIRUVALLUR	CHEMBARAMPAKKAM	394.2	25-11-1976
TAMILNADU	TIRUVALLUR	KESAVARAM	304	20-12-2007
TAMILNADU	TIRUVALLUR	R.K. PET	332	24-11-1996
TAMILNADU	TIRUVALLUR	POONDI	278	25-11-1976
TAMILNADU	TIRUVALLUR	TIRUTHANI	203.2	13-11-1985
TAMILNADU	TIRUVALLUR	KESAVARAM	300	9/11/1993
TAMILNADU	TIRUVALLUR	UTHUKOTTAI	175	28-11-2008
TAMILNADU	TIRUVALLUR	TIRUVELANGADU	250	14- 6-1996
TAMILNADU	TIRUVALLUR	THIRUVALLUR	68	18- 5-2016
TAMILNADU	TIRUVALLUR	ATHIPET	350	26-10-1944
TAMILNADU	TIRUVALLUR	PONNERI	391	2/12/2015
TAMILNADU	TIRUVALLUR	POONAMALLEE	376.4	10/12/1901
TAMILNADU	TIRUVALLUR	RED HILLS	359	25-11-1976
TAMILNADU	TIRUVALLUR	SHOLAVARAM	480	22-10-1969
TAMILNADU	TIRUVALLUR	VALLUR ANICUT	436	14- 6-1996
TAMILNADU	TIRUVALLUR	KORATTUR ANICUT	220	22-10-1969
TAMILNADU	TIRUVALLUR	TAMARAPAUK	290	20-11-1970

TAMILNADU	TIRUVALLUR	ENNORE	326.4	24-12-1983
TAMILNADU	TIRUVALLUR	THIRUVOTRIYUR	255	24-12-1983
TAMILNADU	TIRUVALLUR	GUMMUDIPOONDI	257	28-10-2005
TAMILNADU	TIRUVALLUR	AVADI	230	27-11-2008
TAMILNADU	TIRUVALLUR	PATTABIRAM	190	14- 6-1996
TAMILNADU	TIRUVALLUR	ENNORE PORT	231	2/12/2015
TAMILNADU	TIRUVALLUR	MADHAVARAM AGRO	257	2/12/2015
TAMILNADU	TIRUVALLUR	PUZHAL	299	16-11-2015
TAMILNADU	TIRUVALLUR	POONAMALLE	292	2/12/2015
TAMILNADU	TIRUVALLUR	THAMARAIPAKKAM	307	16-11-2015
TAMILNADU	TIRUVALLUR	CHEMBARABAKKAM	408	2/12/2015
TAMILNADU	TIRUVALLUR	CHEMBARABAKKAM	475	2/12/2015
WEST BENGAL	HOOGLY	ARAMBAGH	290.2	3/9/1991
WEST BENGAL	HOOGLY	KHANAKUL	236.2	11/5/1931
WEST BENGAL	HOOGLY	TENTULIA	287.5	25- 9-1956
WEST BENGAL	HOOGLY	HARINKHOLA	212.8	20- 9-2000
WEST BENGAL	HOOGLY	DHANIAKHALI	107	29- 7-2015
WEST BENGAL	HOOGLY	SERAMPORE	250.2	7/5/1949
WEST BENGAL	HOOGLY	HOOGLY	221	7/5/1949
WEST BENGAL	HOOGLY	TARAKESHWAR	200.7	22- 9-1962
WEST BENGAL	HOOGLY	CHANDITALA	259.8	23- 6-1933
WEST BENGAL	HOOGLY	BAGATI	280.2	28- 9-1978
WEST BENGAL	HOOGLY	SINGUR	210.6	22- 8-1996
WEST BENGAL	HOOGLY	DHANIAKHALI	240.9	20- 9-2000
WEST BENGAL	HOOGLY	CHINSURA	147	8/8/2011
WEST BENGAL	HOOGLY	CHINSURA	181.2	8/8/2011
WEST BENGAL	HOOGLY	BOINCHEE	293.4	25- 9-1956
WEST BENGAL	HOOGLY	BALAGARH	182.4	11/8/2011
WEST BENGAL	HOWRAH	ULUBERIA	409.3	29- 9-1978
WEST BENGAL	HOWRAH	JAGATVALLAVPUR	109	21- 9-2014
WEST BENGAL	HOWRAH	ULUBERIA	269.2	2/8/1922
WEST BENGAL	HOWRAH	AMTA	304.8	2/8/1922
WEST BENGAL	HOWRAH	HOWRAH	294.6	18- 6-1908
WEST BENGAL	HOWRAH	JAGATBALLARPUR	176	3/7/1991
WEST BENGAL	HOWRAH	ULUBERIA	122	21- 7-2011
WEST BENGAL	EAST MIDNAPORE	CONTAI	447.1	3/9/1967
WEST BENGAL	EAST MIDNAPORE	RAMNAGAR	279.4	9/7/1942
WEST BENGAL	EAST MIDNAPORE	HENRIA	316.7	13- 9-1958
WEST BENGAL	EAST MIDNAPORE	DIGHA	400	18- 6-1996
WEST BENGAL	EAST MIDNAPORE	CONTAI	317.5	29- 6-1945
WEST BENGAL	EAST MIDNAPORE	PANSKURA	250.2	30- 9-1971
WEST BENGAL	EAST MIDNAPORE	KESIARY KALTIKRI	209.6	15- 9-1946
WEST BENGAL	EAST MIDNAPORE	TAMLUK	480.2	9/7/1964
WEST BENGAL	EAST MIDNAPORE	CHANDRAKONA	221.5	25- 6-1907

WEST BENGAL	EAST MIDNAPORE	GOALFORE	290.8	28- 8-1940
WEST BENGAL	EAST MIDNAPORE	NANDIGRAM	262	28- 6-1994
WEST BENGAL	EAST MIDNAPORE	MOYNA	241	10/6/1950
WEST BENGAL	EAST MIDNAPORE	NARAJOLE	193	1/7/1928
WEST BENGAL	EAST MIDNAPORE	KOLAGHAT	241.1	25- 8-1968
WEST BENGAL	EAST MIDNAPORE	PACHET%KHARAI	266.7	29- 7-1927
WEST BENGAL	EAST MIDNAPORE	ETAMOGRA	242.6	1/8/1951
WEST BENGAL	EAST MIDNAPORE	TAMLUK	185	29- 7-2015
WEST BENGAL	EAST MIDNAPORE	KUKRAHATI	292.9	30- 9-1959
WEST BENGAL	EAST MIDNAPORE	HALDIA	294.6	5/6/1984
WEST BENGAL	EAST MIDNAPORE	DURGACHACK	270.2	21- 6-1998
WEST BENGAL	EAST MIDNAPORE	LACHMANPUR	183.9	14- 9-1958
WEST BENGAL	EAST MIDNAPORE	GADGHAT	264.2	30- 9-1971
WEST BENGAL	24 PARGANAS N	BARRACKPORE	233.9	8/7/1908
WEST BENGAL	24 PARGANAS N	BARRACKPUR(IAF)	231.1	1/10/1959
WEST BENGAL	24 PARGANAS N	BARASAT	293.6	14- 7-1943
WEST BENGAL	24 PARGANAS N	BASIRHAT(DEPT)	259.1	3/7/1914
WEST BENGAL	24 PARGANAS N	DUM DUM AERO	383.2	6/6/1984
WEST BENGAL	24 PARGANAS N	DEGANGA	66	30- 9-2013
WEST BENGAL	24 PARGANAS N	DEGANGA	260	10/7/2015
WEST BENGAL	24 PARGANAS N	BASIRHAT	208	22- 7-1997
WEST BENGAL	24 PARGANAS N	MO KOLKATA	145	21- 7-2011
WEST BENGAL	24 PARGANAS N	BASIRHAT	200	21- 7-2011
WEST BENGAL	24 PARGANAS N	BONGAON	338.3	29- 8-1909
WEST BENGAL	24 PARGANAS S	SANDHEADS	651	26- 7-1989
WEST BENGAL	24 PARGANAS S	SAGAR ISLAND	884.5	22- 7-1991
WEST BENGAL	24 PARGANAS S	SAGAR ISLAND	176	13- 6-2013
WEST BENGAL	24 PARGANAS S	BARNIPUR	131	29- 7-2013
WEST BENGAL	24 PARGANAS S	BUDGE BUDGE	298.7	18- 6-1908
WEST BENGAL	24 PARGANAS S	GOSABA	313.4	2/8/1922
WEST BENGAL	24 PARGANAS S	DIAMOND HARBOUR	295.9	25- 6-1907
WEST BENGAL	24 PARGANAS S	DIAMOND HARBOUR	251.3	11/12/1981
WEST BENGAL	24 PARGANAS S	CANNING	270.9	5/6/1984
WEST BENGAL	24 PARGANAS S	BARNIPUR	270.8	13- 8-2004
WEST BENGAL	24 PARGANAS S	MANMOTHNAGAR	282.2	18- 6-1995
WEST BENGAL	WEST MIDNAPORE	DANTAN	323.9	16-10-1942
WEST BENGAL	WEST MIDNAPORE	MOHANPUR	311.4	18- 6-2008
WEST BENGAL	WEST MIDNAPORE	DANTEN	400	9/6/1994
WEST BENGAL	WEST MIDNAPORE	SILDA BELPAHARI	266.7	30- 8-1909
WEST BENGAL	WEST MIDNAPORE	GOPIBALLABHPUR	339.1	10/7/1942
WEST BENGAL	WEST MIDNAPORE	MIDNAPORE(CWC)	367.6	18- 6-2008
WEST BENGAL	WEST MIDNAPORE	AMLAGORA	261.9	30- 8-1909
WEST BENGAL	WEST MIDNAPORE	PINGLA	268.4	17- 6-2008
WEST BENGAL	WEST MIDNAPORE	KHARAGPORE	291.1	16-10-1942



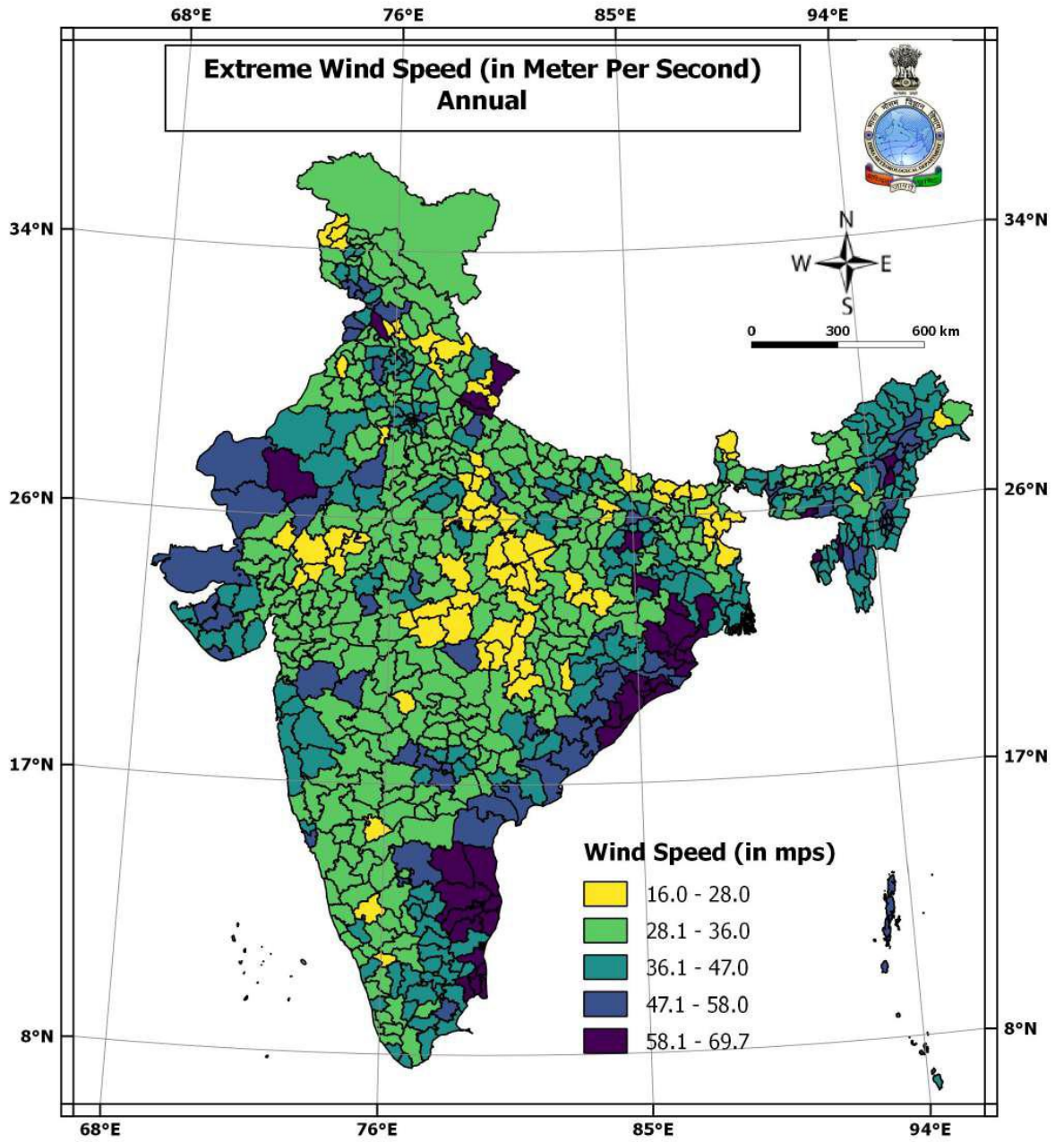
WEST BENGAL	WEST MIDNAPORE	MIDNAPORE	368	18- 6-2008
WEST BENGAL	WEST MIDNAPORE	SALBANI	241.3	6/8/1920
WEST BENGAL	WEST MIDNAPORE	GHATAL	252.2	2/8/1922
WEST BENGAL	WEST MIDNAPORE	BHAGWANPUR	296.9	22-10-1945
WEST BENGAL	WEST MIDNAPORE	NARAYANGARH	335.3	19- 8-1953
WEST BENGAL	WEST MIDNAPORE	BALICHAK	266.7	5/6/1927
WEST BENGAL	WEST MIDNAPORE	JHARGRAM	239.4	18- 6-2008
WEST BENGAL	WEST MIDNAPORE	KALAIKONDA AF	381.2	13- 8-1972
WEST BENGAL	WEST MIDNAPORE	KHARAGPORE I.I.T	505.8	18- 6-2008
WEST BENGAL	WEST MIDNAPORE	GHARGRAM	269.2	6/8/2018
WEST BENGAL	WEST MIDNAPORE	KHIRAPAI	220.8	22- 8-1996
WEST BENGAL	WEST MIDNAPORE	SABONG	272	17- 6-2008
WEST BENGAL	WEST MIDNAPORE	KHARAGPORE	154	5/9/2012
WEST BENGAL	WEST MIDNAPORE	D.P.GHAT	400	16- 7-2002
WEST BENGAL	KOLKATA	ALIPUR	369.6	28- 9-1978
WEST BENGAL	BURDWAN	ASANSOL	269.7	16- 7-1943
WEST BENGAL	BURDWAN	ASANSOL	206.4	3/8/2009
WEST BENGAL	BURDWAN	BURDWAN	304.8	26- 9-1956
WEST BENGAL	BURDWAN	MANKER	311.2	26- 9-1956
WEST BENGAL	BURDWAN	MANGALKOTE	391.2	26- 9-1956
WEST BENGAL	BURDWAN	BURDAWAN	421.2	20- 9-2000
WEST BENGAL	BURDWAN	SHAMSUNDAR ROYNA	163.3	4/8/1939
WEST BENGAL	BURDWAN	DURGAPUR	387.7	27- 9-1978
WEST BENGAL	BURDWAN	LUUCHIPUR	193	28- 9-1978
WEST BENGAL	BURDWAN	RENDIA	283.2	28- 9-1978
WEST BENGAL	BURDWAN	MANKER	233	25- 6-1999
WEST BENGAL	BURDWAN	MANGALKOT	400	23- 7-2000
WEST BENGAL	BURDWAN	PANGARH AERO	325.3	27- 9-1978
WEST BENGAL	BURDWAN	KANKSA	250.4	27- 6-2018
WEST BENGAL	BURDWAN	BURDAWAN	99	9/7/2012
WEST BENGAL	BURDWAN	KALNA	331.5	26- 9-1956
WEST BENGAL	BURDWAN	KATWA	275	19- 9-2000
WEST BENGAL	BURDWAN	MANTESWAR	200	30- 7-2015
WEST BENGAL	BURDWAN	MONTESWAR	218	27- 8-1987

## Chapter-3

### Wind Hazard

Extreme wind that may be associated with any weather systems like thunderstorms, cyclones etc is one of the major hazards to the society as the extreme wind can damage any structure, including the building of various types, electrical infrastructure, telecom industry, agriculture, and forest as well as transport and other sectors. We have initially used hourly wind data from 39 IMD autographic stations with 15 years or more data to compute extreme wind. This hourly data also report the daily maximum gusty wind speed. Since the number of autographic data stations is very small, we have also considered daily synoptic hour data of 490 stations with 15 years or more data. From these 490 stations data, we have prepared month-wise annual maximum wind series data for computation of 50 years return period extreme values. Since these 490 synoptic stations are not reporting gusty wind speed, 50 years of extreme return values were first extracted to represent extreme gusty wind speed. Then the relation between hourly extreme values and maximum gust wind speed for 39 autographic stations were obtained and average over all the 39 stations to establish the relationship between maximum wind and gusty wind over India. We have then multiplied this factor to 50 years return period extreme values obtained from annual maximum series to obtain 50 years return period extreme values of maximum gusty wind speed of 490 stations. Using QGIS raster statistics, finally, monthly wind hazard maps are prepared for 12 months and for annual. In addition, the Normalized Vulnerability Index is being calculated for each district as per the formula mentioned in equation 1.

The Annual extreme wind speed district wise is given in the figure below. The monthly figures are available on the website.



## Chapter-4

### Cyclones

India Meteorological Department (IMD) monitors and provides impact-based early warning services for various meteorological disaster events at different temporal and spatial scales to support disaster risk reduction management. As a part of these services, IMD has now prepared a Web version of Climate Hazards and Vulnerability Atlas of India for the thirteen most hazardous meteorological events, viz. Cold wave, Heat Wave, Flood, Lightning, Snowfall, Dust Storm, Hail Storm, Thunderstorm, Fog, Strong winds, Extreme rainfall, Drought and Cyclone that cause loss of life, injury or other health impacts, property damage, loss of livelihoods and services, social and economic disruption or environmental damage. The web Atlas is depicted using Geographic Information System (GIS) tools and is made available in IMD, Pune website (<https://www.imdpune.gov.in/hazardatlas/index.html>). The Atlas provides districts maps on Hazard events and vulnerability for all the calendar months and at annual scale. The Hazard maps are prepared based on the climatological data, census data on population and housing density and using different statistical and mathematical methods.

**Cyclone:** It is one of the major meteorological disasters in coastal areas of India. Cyclones are intense low-pressure areas from the center of which pressure increases outwards. The amount of pressure drop in the center and the rate at which it increases outwards gives the intensity of the cyclones and the strength of winds. The criteria followed by the India Meteorological Department (IMD) to classify the low pressure systems in the Bay of Bengal and in the Arabian Sea as adopted by the World Meteorological Organisation (W.M.O.) are given in the following Table:

**Table: Criteria for classification of cyclonic disturbances over the North Indian Ocean**

Type of disturbance	Associated maximum sustained wind
1. Low Pressure Area	Not exceeding 17 knots (<31 kmph )
2. Depression(D)	17 to 27 knots (31-49 kmph)
3. Deep Depression(DD)	28 to 33 knots (50-61 kmph )
4. Cyclonic Storm(CS)	34 to 47 knots (62-88 kmph )
5. Severe Cyclonic Storm(SCS)	48 to 63 knots (89-117 kmph )
6. Very Severe Cyclonic	64 to 119 knots (118-221 kmph )
7. Super Cyclonic Storm	120 knots and above ( $\geq$ 222 kmph )

We have considered IMD Cyclone data from Cyclone e Atlas for the period 1961-2020 for computation of several parameters. Since in cyclone eAtlas information on cyclone is combined for SCS, VCS and Super Cyclonic Storm and termed as SCS, in all our maps we have produced the information on Cyclonic Storm (CS) and

Severe Cyclonic Storm (that combined SCS, VCS and Super Cyclonic Storm). In order view the climate vulnerability of cyclones in various decades, the information is made available for different decades and periods viz. 1961-70, 1971-80, 1981-1990, 1991-2000, 2001-2010, 2011-2020 and 1961-2020. The user has to select the period from the drop-down menu available while clicking on cyclone. After selecting the desired period/decade, one can get the vulnerability maps.

**Cyclone return periods** (CS, SCS, and combining CS and SCS) are computed in coastal districts for all the month and annual scale. The methodology is based on computing the Hurricane return period by NOAA. Cyclone return periods are the frequency at which a certain cyclone intensity can be expected within a given distance of a given location within a specified buffer zone around the district (we have considered 50 nm as a buffer zone). (Ref: NOAA Technical Memorandum NWS NHC 38). Cyclone return periods maps are given for CS, SCS and ALL categories.

The **maximum probable precipitation** of each district corresponding to cyclone days is computed from the daily station rainfall data for the period. Considering the horizontal scales of the cyclone and their effect in producing rainfall in the broader area, a buffer zone of 2.5° around each district is used. Also, to identify the rainfall related to cyclone activity only, we have considered the rainfall of all the stations for the cyclone days and within 500 km of the cyclone location. These maps are made on a monthly and annual scale.

**Cyclone Landfall Count** for each district gives the total number of cyclone (of any intensities) made landfall over the district during the period. These maps are made for all the months and on an annual scale.

For the computation of **Maximum sustained wind** in each district IMD Best Track Cyclone data for the period 1981-2020 is used, and the same buffer zone of 2.5° is considered. This map is made for an annual scale.

**Maximum Storm surge** heights map in annual scale gives the maximum storm surge heights in meter each of the coastal district experienced so far associated with cyclone.

We have also considered population density data and housing density data from Census data. The **Normalized vulnerability index** is calculated as described by equation 1 for each parameter viz. maximum probable precipitation, cyclone return period, maximum sustained wind, storm surge height, housing, and population density. Finally, weighted average **Normalized Cyclone Vulnerability index** is computed with suitable weights.

Here few maps are given as example for annual all intensities (CS and SCS) Cyclone return period, Maximum Probable precipitation, Cyclone Landfall count and Normalized Cyclone Vulnerability index etc. All other maps of different categories cyclone in various period can be downloaded from the e book of "Climate Hazard

and Vulnerability Atlas of India” (chrome-extension:https://imdpune.gov.in/hazardatlas/hazard.pdf) These maps are made on an annual scale.

