Flood Hazard Atlas of Andhra Pradesh

- A Geospatial Approach



Prepared by



National Remote Sensing Centre Indian Space Research Organisation Dept. of Space, Govt. of India







National Disaster Management Authority Ministry of Home Affairs, Govt. of India



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Andhra Pradesh State Disaster Management Authority
Govt. of Andhra Pradesh



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In Association with

National Disaster Management Authority Ministry of Home Affairs, Govt. of India



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Andhra Pradesh State Disaster Management Authority Govt. of Andhra Pradesh



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Flood hazard zonation is one of the important initiatives towards flood risk reduction. Satellite remote sensing helps in identifying the flood inundated areas. This observed information over years further helps in identifying the frequently flood affected areas. In this approach, 21 years (2000-2020) of satellite data from Indian and foreign satellites was used in identifying the flood hazard zones based on frequency of flood inundation. The flood hazard is categorized into three classes, i.e., very low, low and moderate based on the frequency of inundation. This atlas can help in understanding the flood problem in various districts of Andhra Pradesh State and help the decision makers towards sustainable planning and disaster risk reduction.

Keywords: Flood Hazard, Flood Frequency, Satellite Remote Sensing, Geospatial Approach

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FOREWARD

Floods and cyclones are major natural disasters in Andhra Pradesh State and have a great impact on loss of property, infrastructure and agriculture. Identification of the flood-prone areas and the risk associated would offer significant help for the planners to devise area- specific mitigation measures. Satellite Remote Sensing provides information on actual flood inundation due to riverine and cyclonic floods, in addition to various other land information which could be used for delineating the flood hazard zones.

Under the Disaster Management Support Programme (DMSP) of Indian Space Research Organisation (ISRO), National Remote Sensing Centre (NRSC) has been generating flood inundation maps using satellite data for all major flood and cyclonic events that have occurred in the country for more than two decades in near real-time, and the information has been provided to MHA, NDMA, and the State Disaster Management Departments.

NRSC/ISRO has been supporting Andhra Pradesh State Disaster Management Authority (APSDMA) in providing space based information and building geo-spatial database to support disaster management activities of APSDMA through a MoU. Since couple of years, NRSC is providing spatial flood early warning alerts to APSDMA during the floods in the Godavari River using the flood forecast models developed by NRSC. This has enabled generation of reliable database on spatial flood inundation patterns and frequency of occurrence, which can be used to generate the flood hazard maps.

Further, at behest of National Disaster Management Authority (NDMA), NRSC / ISRO has prepared flood hazard atlas of Andhra Pradesh State using the satellite based observations of 21 years from 2000 to 2020, coupled with ground validation. I am sure that the information provided in the atlas will be of use to the Government of Andhra Pradesh in flood preparedness, flood risk assessment, planning and implementation that is necessary for long-term mitigation measures in minimizing the damage due to floods & cyclone disasters.

I compliment the project team at NRSC / ISRO, Andhra Pradesh State Disaster Management Authority, Govt. of Andhra Pradesh State, and National Disaster Management Authority for bringing out this informative and useful Flood Hazard Atlas for the benefit of the State.

Dated: June 22, 2021 Bengaluru

(के . शिवन / K.Sivan)

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PREFACE

India is one of the worst flood & cyclone affected countries in the world and experiencing immense damage to property and human life almost every year. It is estimated by the Ministry of Water Resources that India has 40 Million Hectares of floodplains. Flood Hazard zonation is one of the best non-structural methods for flood damage mitigation.

Indian space Research Organisation (ISRO), Department of Space (DOS), has launched a major Disaster Management Support Programme (DMSP) with National Remote Sensing Centre (NRSC) as the single window delivery mechanism for providing near-real time products and services using satellite remote sensing and aerial data to support various phases of disasters. Preparation of flood inundation maps and assessment of damages due to floods and cyclones has been an on-going near real-time operational activity for more than two decades of NRSC, thus, enabling creation of reliable and long term database on flood hazards and associated risks.

Using historical satellite data available during 2000-2020, National Remote Sensing Centre (NRSC), ISRO has prepared the flood hazard maps for Andhra Pradesh State. Flood Hazard Maps are created using 72 Indian Remote Sensing (IRS) Satellite and foreign satellite datasets covering riverine and cyclonic floods spanning over 21 years (2000 to 2020). Spatial extent of flood inundation and the frequency of flooding in a given area are derived from the satellite datasets. The hazard zones are categorized into three classes as per the flood hazard classification schema proposed by Expert Committee on Flood Hazard Zonation constituted by National Disaster Management Authority.

To ensure effective acceptance of the information, the hazard maps prepared using satellite remote sensing data has been ratified with ground truth by the respective district administration of Government of Andhra Pradesh and by APSDMA. This will enable all stakeholders in assessing flood and cyclonic flood vulnerability for an effective management and decision making. The AP State Flood Hazard Atlas may assist the planning agencies, the state and district administrations and the communities at panchayat levels in raising the level of alertness about the disaster proneness of the identified areas and the need for disaster preparedness and mitigation on a scientific and realistic basis.

I am sure that information on flood hazard derived from space datasets will be useful to Government of Andhra Pradesh for various disaster risk management planning, preparedness and mitigation activities.

(RAJ KUMAR)





CHIEF MINISTER ANDHRA PRADESH

Y. S. Jagan Mohan Reddy Chief Minister, Andhra Pradesh



MESSAGE

I am very happy to know that the National Remote Sensing Centre (NRSC), Indian Space Research Organization (ISRO), Hyderabad, in association with National Disaster Management authority (NDMA), New Delhi, and the Government of Andhra Pradesh has prepared the Flood Hazard Atlas for the State of Andhra Pradesh using remote sensing satellite observation during 2000-2020.

Andhra Pradesh is one of the major flood-prone States of India. A major portion of the population in Andhra Pradesh lives under the recurring flood-prone areas. Andhra Pradesh's vulnerability to floods is reflected in the fact that floods have become an annual feature in the state.

I am sure that the information available in this Atlas would be of immense use to the State Government in formulating a comprehensive plan and in implementing efficient mitigation measures for efficient flood management in the State of Andhra Pradesh.

I congratulate all those who have been involved in the preparation of the Atlas.

AMRAVATI

(Y.S. JAGAN MOHAN REDDY)



Mekathoti Sucharitha

Minister for Home & Disaster Management

Government of Andhra Pradesh



MESSAGE

Since Andhra Pradesh is a multi-hazard prone state for centuries, our people have learnt to cope-up with and reduce the risks from various natural disasters through their Indigenous knowledge. Floods have emerged as the prime area of concern for the People of Andhra Pradesh witnessing on and off every year in the state. With increasing urbanization and evident impacts of climate change in the state, a scientific approach to understanding floods and designing necessary measures to minimize the losses Is critical.

I am happy to learn that the National Remote Sensing Centre (NRSC), Hyderabad, in association with Government of Andhra Pradesh and the National Disaster Management Authority (NDMA) has prepared the Andhra Pradesh Flood Hazard Atlas 2000-2020. The Atlas is a timely and much awaited document for Disaster Management and other departments in the state to take informed decisions for minimising the impact of floods in Andhra Pradesh.

I congratulate the team that has been engaged in the preparation of this Atlas.

MekathotiSucharitha

Suchaita

संजीव कुमार, भा.प्र.से. सदस्य सचिव SANJEEVA KUMAR, IAS Member Secretary



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MESSAGE

The Action Point No.5 of Prime Minister's ten point Agenda for disaster risk reduction requires leveraging technology to enhance the efficiency of disaster risk management efforts. The goal is to create a safe and disaster resilient India through an integrated dynamic and technology-driven approach for disaster risk management. The National Disaster Management Authority has started/initiated various programmes leverage technology to enhance the efficiency of disaster risk reduction efforts. One such important initiative is to develop upgraded hazard profiles of various natural hazards (for their subsequent use in vulnerability and risk assessment work) by using state-of-art technology.

Flood is one of the most frequent disasters that causes heavy loss of lives and adversely affects economy. Flood hazard profile at basin level is not available for planning & flood mitigation by the State Governments concerned. The initiatives of National Remote Sensing Centre, Indian Space Research Organization (ISRO) to utilize Space based technology for disaster risk reduction in the country are exemplary. The Working Committee of Experts formed by National Disaster Management Authority (NDMA) decided to prepare the flood hazard map for the State of Andhra Pradesh on priority, utilizing the scientific inputs from the various stake holders and the satellite based observations on flood inundated areas collected over the past 21 years by the National Remote Sensing Centre (NRSC).

I am sure that the Flood Hazard Atlas prepared by NRSC, ISRO using space based data could deliver the much needed information for the efficient management of flood hazard in the State of Andhra Pradesh.

Date: 22 June, 2021

Sanjeeva Kumar

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Sri Adityanath Das, I.A.S.,
Chief Secretary to Government
Government of Andhra Pradesh



MESSAGE

The Flood Hazard Atlas for Andhra Pradesh State prepared using remote sensing satellite observations and daily water levels of various during June to December recorded by the Irrigation Department from 2000 to 2020. The estimations of flood inundation areas have been verified by all concerned District Administration Authorities.

Out of the geographical area of 1,62,970 Sq.Kms, a major portion is prone to floods. We witness floods almost every year causing extensive damage to lives and properties. Hence, the crucial information on flood inundated areas for different magnitude with duration of floods using remote sensing satellite observations is the need of the hour. This information can be used by the Disaster Management Department (DMD) and the district administration for reducing the impact of floods.

I hope this flood atlas will be extensively used by the District Administration and the related stakeholders in identifying the risk and in taking the mitigation measures even before the onset of floods.

I congratulate NRSC for bringing out this hazard atlas.

AMRAVATI

(AdityaNath Das)



Usha Rani, I.A.S

Principal Secretary, Disaster Management
Government of Andhra Pradesh



MESSAGE

It is a matter of great pleasure that National Remote Sensing Centre (NRSC), ISRO has joined hands with the State Government of Andhra Pradesh along with NDMA to release the Flood Hazard Atlas for Andhra Pradesh State using remote sensing satellite observations. Flood is a regular and annually recurring phenomenon in the state of Andhra Pradesh causing widespread damage to life and property, Preparation of the Atlas is a well thought out effort and would add a new and effective dimension in flood and disaster management in the state.

This Atlas would not only help in effective flood management but also would serve as a guideline in post-flood activities associated with damage assessment and flood relief, The Concept of hazard index would provide a tool to the policy and decision makers to give due attention to the severely affected areas.

The Disaster Management Department has received unconditional support from the Hon'ble Chief Minister of Andhra Pradesh and the insights from his vision of a disaster resilient. Andhra Pradesh have prompted us to work with highly specialized agencies such as NRSC,ISRO. On behalf of the Government of Andhra Pradesh, I thank NRSC for this fruitful collaboration. I also deeply appreciate the leadership and the team of scientists at NRSC and Andhra Pradesh State Disaster Management Authority involved in this massive exercise.

I congratulate the team responsible for this pioneering work

(V. Usha Rani)



K. Kanna Babu, I.A.S.
Spl. Commissioner (Disaster Management) & Ex-Officio Addl. Secretary to Government Revenue (Disaster Management) Department Managing Director–APSDMA Government of Andhra Pradesh



MESSAGE

The State of Andhra Pradesh is prone to many natural disasters such as cyclones, tsunamis, heavy rains, floods lighting and heat waves. Andhra Pradesh having a coastline of 974 km with nine coastal districts is more vulnerable to cyclones and the associated storm surges compared to the other natural disasters. The State is also prone to floods because of heavy rainfall in upper catchment areas of state of Maharashtra and Odisha besides the rainfall in Andhra Pradesh. The state is also endowed with five major rivers viz., Godavari, Krishna, Penna, Vamsdhara and Nagavali. More than 40% of the state is vulnerable to tropical storms, high winds, severe floods and other associated natural hazards.

While both the coastal and inland districts are affected by the strong winds and rains, the coastal districts are additionally at risk by the storm surge created by the strong winds of the cyclones. The frequency of floods almost every year in the State causes economic loss, human loss and severe damage to infrastructure. Andhra Pradesh State Disaster Management Authority (APSDMA) is the designated nodal agency for the formulation of policies, long-term planning, coordination and monitoring in mitigating the effects of all the disasters. With the support of NRSC, the APSDMA is disseminating early flood warnings to the Districts Administration, State functionaries and other stakeholders to take up the necessary actions.

The present Flood Hazard Atlas is prepared to empower the stakeholders, policymakers, administrators, field level officers and the Districts Collectors to judiciously deal with the crisis and the mitigating the adverse effects of the floods. This Atlas provides a climatic picture of the flood prone areas and help in the effective flood management and mitigation activities.

I wish this atlas brings a value addition to implement mitigation measure to further reduce the losses due to floods

(K. Kanna Babu)

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The project team would like to place on record our deep sense of gratitude to Dr. K. Sivan, Chairman, ISRO and Secretary, Department of Space for showing keen interest in DMS programmeand for his extensive support in DMS activities of NRSC.

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The project team is grateful to K. Kanna Babu, I.A.S. Spl. Commissioner (Disaster Management), Govt. of Andhra Pradesh for his continuous support in completing the flood hazard atlas. The project team sincerely thanks the officers of Andhra Pradesh State Disaster Management Authority, Government of Andhra Pradesh for completing the ground validation of the hazard atlas very effectively in time.

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Finally, the project team is indebted to all the scientists who contributed earlier in generating the flood maps in near real time. The team thanks everyone who contributed directly or indirectly in preparing the atlas.

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Executive Summary

Flood hazard maps are one of the very important non-structural methods of flood damage mitigation. These maps are useful in planning developmental activities, construction of relief, rescue, and health centers and in planning flood tolerant crops in floodplains. Satellites provide synoptic observations of the natural disasters at regular intervals that help in disaster risk reduction in the country. Over a period of time, National Remote Sensing Centre, ISRO has created a repository of large data pertaining to the floods & cyclones in different areas of the Country. These historical flood maps, generated by NRSC/ISRO, are useful for identification of flood hazard areas. On behest of National Disaster Management Authority, NRSC/ISRO has prepared the State level and District wise Flood Hazard Zonation Atlas for Andhra Pradesh State using the available historical satellite datasets spanning over 21 years (2000 to 2020). About 79 Indian Remote Sensing (IRS) satellite and foreign satellite datasets (optical and microwave) during this period were acquired covering different flood magnitudes in Andhra Pradesh State and used in generating the flood hazard maps. The flood hazard zones are categorized into three classes ranging from very low hazard zone to moderate hazard zone based on the hazard classification schema finalized by the expert committee constituted by NDMA. Flood inundation and frequency of occurrence are provided along with the list of villages falling in various hazard categories in the Atlas. The flood hazard maps have been validated in ground by the Andhra Pradesh State Disaster Management Authority, Government of Andhra Pradesh, through its district administration. Suggestions given by them are incorporated in this report. In Andhra Pradesh, it is estimated that about 7.88 lakh hectares of land is affected by floods during the last 21 years and 12 districts come under various flood hazard category. Inundation may be due to riverine floods, cyclonic storm induced floods or coastal floods. It is believed the Atlas would serve as a useful resource of information for policy makers, planners and civil society groups and find its value towards flood risk evaluation, sustainable development and flood mitigation efforts in the Andhra Pradesh State.

1.0 INTRODUCTION

1.1 FLOOD AND ITS SEVERITY

Flood is one of the most severe disasters affecting people across the globe. India, on account of its geographical position, climate, and geological setting, is the worst affected center of disaster in the South-Asian region, making it vulnerable to many natural hazards, particularly to floods. India is the worst flood-affected country in the world after Bangladesh and accounts for 20% of the global death count due to floods. Nearly 75 percent of the total Indian rainfall is concentrated over a short monsoon season of four months (June-September). As a result, the rivers witness a heavy discharge during these months, leading to widespread floods. The Rastriya Barh Aayog(National Commission on Floods), in 1980, identified 40 Million hectares of National area as flood prone. On an average of 18.6 million hectares of land is affected annually. The annual average cropped area affected is approximately 3.9 million hectares. According to the 12th Plan working group on flood and management (2011) about 50 million hectares of land in the country is liable to floods. The most flood-prone areas in the country are the Brahmaputra, Ganga, and Meghana River basins in the North and North-east India. These rivers carry 60 percent of the nation's total river flow. The other flood-prone areas are the west-flowing rivers such as the Narmada and Tapti in the north-west region; east-flowing rivers like Mahanadi, Godavari, Krishna and Cauvery in the Central India and the Deccan region. Godavari which is prone to flooding specially in the lower riparian region, causes tremendous damage to life and property in the state of Andhra Pradesh. The severity of the floods have been increasing with the increased frequency and magnitude of floods across the country. Table-1 shows the extent of flood damages incurred during 1953-2016 in India.

1.1.1 FACTORS CAUSING FLOODS

Inadequate capacity of the rivers to contain the high flows brought down from the upper catchment due to heavy rainfall leads to flooding. An Area having poor drainage characteristics gets flooded by the accumulation of water from heavy rainfall. Excess irrigation water applied to the command area and increase in groundwater level due to seepage from canals and irrigated fieldsamplify the problem of waterlogging. Flooding is accentuated by erosion and silting of the riverbeds resulting in reduction of carrying capacity of river channel, leading to changes in river courses & obstructions to flow due to landslides, synchronization of floods in the main and tributary rivers and retardation due to tidal effects. With the increase in population and developmental activity, there has been a tendency to occupy the flood plains, which has resulted in more serious damage over the years. Because of the varying rainfall distribution, many times, areas which are not traditionally prone to floods also experience severe inundation. Thus, floods are the single most frequent disaster faced by the country. Floods have different dimensions, inundation due to spills over the banks, drainage congestion due to poor drainage characteristics, erosion due to change in the river course



Fig 1: Flood in the Godavari in Andhra Pradesh, 2020 (Source: Media)

1.2 MANAGING FLOODS

In order to mitigate the impact of floods appropriate flood management measures have to be implemented. These measures can be classified into:

- Structural measures
- 2. Non-structural measures

1.2.1 STRUCTURAL MEASURES

In this approach physical structures are envisaged to prevent the floodwaters from reaching potential damage centers. The main structural measures undertaken so far in India are as follows.

- 1. Embankments, Floodwalls, Flood levees
- 2. Dams and Reservoirs
- 3. Natural Detention Basin
- 4. Channel Improvement
- 5. Drainage Improvement
- 6. Diversion of floodwater
- 7. Catchment area treatment/ afforestation
- 8. Anti-erosion works

In India, systematic planning for flood management commenced with the Five-Year Plans, particularly with the launching of the National Program of Flood Management in 1954. During the last 48 years, different methods of flood protection structural as well as non-structural have been adopted in different states depending upon the nature of the problem and local conditions. Structural measures include storage reservoirs, flood embankments, drainage channels, anti-erosion works, channel improvement works, detention basins, etc. and non-structural measures include flood forecasting, flood plain zoning, floodproofing, etc. The various flood management measures undertaken through the successive five-year plans are summarized in table-2.

1.2.2 NON-STRUCTURAL MEASURES

Non-structural measures are economical and strive to keep the people away from floodwater. It contemplates the use of flood plains judiciously. This technique allows the use of flood plains by reducing the disaster dimension while retaining its beneficial needs. Following are the main non-structural measures

- 1. Flood Plain Zoning
- 2. Flood Proofing.
- 3. Flood forecasting and warning
- 4. Regulation of reservoirs
- 5. Flood Insurance.

The Central Water Commission (CWC) has established a flood forecasting system comprising 175 stations on all major rivers and is implementing the scheme for its modernization and expansion. The Ministry of Water Resources (MoWR) and CWC had circulated the draft bill for floodplain zoning regulations to the state governments for enactment and enforcement. However, the response is not satisfactory.

Hence, there is a need for generating flood hazard zone maps in the country.

TABLE-1: THE EXTENT OF FLOOD DAMAGES INCURRED DURING 1953-2016 IN INDIA

	STATEMENT SHOWING DAMAGE DUE TO FLOODS/HEAVY RAINS DURING 1953 TO 2016												
1	2	3	4	5	6	7	8	9	10	11	12		
				Damage	to Crops	Crops Damage to Houses		Damage to Houses	nage to Houses Cattle	Cattle lost	t Human lives lost	lost Public	Total damages
								Nos.	Nos	Utilities in Rs. crore	Crops, Houses and Public Utilities in Rs. crore		
SI No	Year	Area in m.ha.	Population affected in million	Area in m.ha.	Value in Rs. Crore	Nos.	Value in Rs. Crore						
1	1953	2.29	24.28	0.93	42.08	264924	7.42	47034	37	2.9	52.4		
2	1954	7.49	12.92	2.61	40.52	199984	6.561	22552	279	10.15	57.231		
3	1955	9.44	25.27	5.31	77.8	1666789	20.945	72010	865	3.98	102.725		
4	1956	9.24	14.57	1.11	44.44	725776	8.047	16108	462	1.14	53.627		
5	1957	4.86	6.76	0.45	14.12	318149	4.979	7433	352	4.27	23.369		
6	1958	6.26	10.98	1.4	38.28	382251	3.896	18439	389	1.79	43.966		
7	1959	5.77	14.52	1.54	56.76	648821	9.418	72691	619	20.02	86.198		
8	1960	7.53	8.35	2.27	42.55	609884	14.309	13908	510	6.31	63.169		
9	1961	6.56	9.26	1.97	24.04	533465	0.889	15916	1374	6.44	31.369		
10	1962	6.12	15.46	3.39	83.18	513785	10.655	37633	348	1.05	94.885		
11	1963	3.49	10.93	2.05	30.17	420554	3.701	4572	432	2.74	36.611		
12	1964	4.9	13.78	2.49	56.87	255558	4.588	4956	690	5.149	66.607		
13	1965	1.46	3.61	0.27	5.87	112957	0.195	7286	79	1.07	7.135		
14	1966	4.74	14.4	2.16	80.15	217269	2.544	9071	180	5.736	88.43		
15	1967	7.12	20.46	3.27	133.31	567995	14.264	5827	355	7.857	155.431		
16	1968	7.15	21.17	2.62	144.61	682704	41.112	130305	3497	25.373	211.095		
17	1969	6.2	33.22	2.91	281.9	1268660	54.423	270328	1408	68.112	404.435		
18	1970	8.46	31.83	4.91	162.78	1434030	48.606	19198	1076	76.441	287.827		
19	1971	13.25	59.74	6.24	423.13	2428031	80.241	12866	994	129.11	632.484		
20	1972	4.1	26.69	2.45	98.56	897301	12.46	58231	544	47.174	158.194		
21	1973	11.79	64.08	3.73	428.03	869797	52.482	261016	1349	88.489	569.001		
22	1974	6.7	29.45	3.33	411.64	746709	72.434	16846	387	84.942	569.016		
23	1975	6.17	31.36	3.85	271.49	803705	34.097	17345	686	166.05	471.637		
24	1976	11.91	50.46	6.04	595.03	1745501	92.16	80062	1373	201.5	888.685		
25	1977	11.46	49.43	6.84	720.61	1661625	152.29	556326	11316	328.95	1201.848		
26	1978	17.5	70.45	9.96	911.09	3507542	167.574	239174	3396	376.1	1454.764		
27	1979	3.99	19.52	2.17	169.97	1328712	210.606	618248	3637	233.63	614.203		
28	1980	11.46	54.12	5.55	366.37	2533142	170.851	59173	1913	303.28	840.504		
29	1981	6.12	32.49	3.27	524.56	912557	159.63	82248	1376	512.31	1196.504		
30	1982	8.87	56.01	5	589.4	2397365	383.869	246750	1573	671.61	1644.876		
31	1983	9.02	61.03	3.29	1285.85	2393722	332.327	153095	2378	873.43	2491.606		

Flood Hazard Atlas AP 2000-2020

				I				Ι	Γ	Γ	
32	1984	10.71	54.55	5.19	906.09	1763603	181.308	141314	1661	818.16	1905.562
33	1985	8.38	59.59	4.65	1425.37	2449878	583.855	43008	1804	2050	4059.268
34	1986	8.81	55.5	4.58	1231.58	2049277	534.41	60450	1200	1982.5	3748.525
35	1987	8.89	48.34	4.94	1154.64	2919380	464.49	128638	1835	950.59	2569.72
36	1988	16.29	59.55	10.15	2510.9	2276533	741.6	150996	4252	1377.8	4630.3
37	1989	8.06	34.15	3.01	956.74	782340	149.82	75176	1718	1298.8	2405.33
38	1990	9.303	40.259	3.179	695.61	1019930	213.733	134154	1855	455.27	1708.92
39	1991	6.357	33.889	2.698	579.015	1134410	180.421	41090	1187	728.89	1488.329
40	1992	2.645	19.256	1.748	1027.58	687489	306.284	78669	1533	2010.7	3344.532
41	1993	11.439	30.409	3.206	1308.63	1926049	528.324	211193	2864	1445.5	3282.485
42	1994	4.805	27.548	3.963	888.622	914664	165.206	52315	2078	740.76	1794.59
43	1995	5.245	35.932	3.245	1714.79	2001898	1307.894	62438	1814	679.63	3702.308
44	1996	8.049	44.729	3.827	1124.49	726799	176.589	73208	1803	861.39	3005.743
45	1997	4.569	29.663	2.258	692.743	505128	152.504	27754	1402	1985.9	2831.181
46	1998	10.845	47.435	7.495	2594.17	1932874	1108.783	107098	2889	5157.8	8860.721
47	1999	7.765	27.993	1.753	1850.87	1613260	1299.057	91289	745	462.83	3612.76
48	2000	5.382	45.013	3.58	4246.62	2628855	680.943	123252	2606	3937	8864.544
49	2001	6.175	26.463	3.964	688.481	716187	816.474	32704	1444	5604.5	7109.416
50	2002	7.09	26.323	2.194	913.092	762492	599.368	21533	1001	1062.1	2574.543
51	2003	6.12	43.201	4.268	7307.23	775379	756.481	15161	2166	3262.2	11325.866
52	2004	5.314	43.725	2.888	778.694	1664388	879.601	134106	1813	1656.1	3314.385
53	2005	12.562	22.925	12.299	2370.92	715749	380.531	119674	1455	4688.2	7439.672
54	2006	1.096	25.224	1.822	2850.67	1497428	3636.848	266945	1431	13304	19790.922
55	2007	7.145	41.402	8.795	3121.53	3280233	2113.108	89337	3389	8049	13283.677
56	2008	3.427	29.91	3.186	3401.56	1566809	1141.891	101780	2876	5046.5	9589.935
57	2009	3.844	29.537	3.592	4232.61	1235628	10809.795	63383	1513	17509	32551.758
58	2010	2.624	18.297	4.994	5887.38	293830	875.952	39706	1582	12757	19520.586
59	2011	1.895	15.973	2.718	1393.85	1152518	410.475	35982	1761	6053.6	7857.892
60	2012	2.141	14.689	1.95	1534.11	174526	240.572	31558	933	9170	10944.648
61	2013	7.546	25.927	7.484	6378.08	699525	2032.83	163958	2180	38938	47348.751
62	2014	12.775	26.505	8.007	7255.15	311325	581.978	60196	1968	7710.9	15548.077
63	2015	4.478	33.203	3.374	17043.9	3959191	8046.969	45597	1420	32200	57291.098
64	2016	7.065	26.555	6.658	4052.72	278240	114.676	22367	1420	1507.9	5675.325
	TOTAL	460.26	2040.27	251.047	102274	79465079	44390.344	6.00E+06	105472	199730	347581.2
	AVG	7.192	31.879	3.923	1598.03	1241642	693.599	94104	1648	3120.8	5430.956
	МАХ	17.5	70.45	12.299	17043.9	3959191	10809.795	618248	11316	38938	57291.098
	(YEAR)	1978	1978	2005	2015	2015	2009	1979	1977	2013	2015

(Source: https://nidm.gov.in/PDF/guidelines/floods.pdf)

TABLE-2: FLOOD MANAGEMENT MEASURES UNDERTAKEN DURING VARIOUS FIVE-YEAR PLANS

SI No	Name of States/UT	Area benefited	Length of Embankments	Length of Drainage Channels	Village Raised/Protected	Town/Village Protection Works	Raised Platforms
		Mha	km	km	Nos	Nos	Nos
1	2	3	4	5	6	7	
1	Andhra Pradesh	1.311	2230	13569	23	72	
2	Arunachal Pradesh	0.055	6.324	4.447	17	0	
3	Assam	1.642	4464.18	850.69	0	694	
4	Bihar	2.949	3430	365	0	47	58
5	Chhattisgarh	0	0	0	0	0	
6	Delhi	0.078	83	453	0	0	
7	Goa	0.003	23.19	32.77	0	2	
8	Gujarat	0.483	104.12	271	30	805	
9	Haryana	2	1144	4385	98	448	
10	Himachal Pradesh	0.012	58	11	0	0	
11	Jammu & Kashmir	0.217	230	14	5	12	
12	Jharkhand	0.001	14	0	5	2	
13	Karnataka	0.005	73.515	10	0	30	
14	Kerala	0.346	205.744	31.1	6	4	
15	Madhya Pradesh	0.004	26	0	0	37	
16	Maharashtra	0.001	44.5	110	0	0	
17	Manipur	0.132	577	166	1	38	
18	Meghalaya	0.001	112	0	2	8	
19	Mizoram	0	0	0	0	0	
20	Nagaland	0.632	10.519	0	0	8	
21	Orissa	0.63	6541	131	14	29	
22	Punjab	3.19	1370	6622	0	3	
23	Rajasthan	0.082	145	197	0	25	
24	Sikkim	0.017	101.81	64.86	0	18	
25	Tamil Nadu	0.122	87	19	4	46	
26	Tripura	0.033	141.74	95.23	0	11	
27	Uttar Pradesh	1.703	2097	3995	4511	65	
28	Uttaranchal	0.002	9	0	0	6	
29	West Bengal	2.568	10539	7392.76	0	48	
30	A & N Islands	0	0	0	0	0	
31	Chandigarh	0	0	0	0	0	
32	Dadra & Nagar Haveli	0	0	0	0	0	
33	Daman & Diu	0		0	0	0	
34	Lakshadweep	0	0	0	0	0	
35	Pondicherry	0.004	61	20	0	0	
	Total	18.222	33928.642	38809.857	4716	2458	58

(Source: Ministry of Water Resources: http://mowr.gov.in/writereaddata/linkimages/state9743650818.pdf)

TABLE 3: FLOOD CONTROL WORKS AND EXTENT

S No	Type of Flood Control Works	Extent
1	Flood Embankments	33928.642 km
2	Drainage Channels	38809.857 km
3	Town protection works	4716 Nos.
4	Villages raised	2458 Nos.
5	Raised Platforms	58 Nos.

(Source: Ministry of Water Resources: http://mowr.gov.in/index3.asp?sslid=356&subsublinkid=360&langid=1)

Reservoirs constructed with exclusive flood control storage include Maithon, Panchet, Tilaiya, and Konar in Damodar Valley; Chandil dam on Subarnarekha river, Hirakud dam on Mahanadi river, and Rengali dam on Brahmani river. In addition, live storage of 177 billion cubic meters created so far in the various reservoirs for irrigation, hydropower generation, drinking water, etc. also helps in reducing flood intensity by storing part of the floodwaters in them. The flood management measures undertaken so far have provided a reasonable degree of protection to an area of 15.81 million hectares throughout the country. Table 3 shows the flood control works extent in the country.

1.3 FLOOD HAZARD ZONATION

Flood hazard zonation (FHZ) is one of the most important non-structural measures, which facilitates appropriate regulation, and development of floodplains thereby reducing the flood impact. The recurrent flood events at frequent intervals demand the need for the identification of flood hazard-prone areas for prioritizing appropriate flood control measures. Hazard indicates the probability of occurrence of a disaster within a specific period of time and within a given area of potential damage, such as floods.

In the recent past, various methods and techniques have been proposed to analyze the causative factors of floods and produce maps portraying the probability of occurrence of similar phenomena in the future. Broadly these methods can be classified as direct and indirect methods.

The direct method consists of flood hazard mapping wherein, the past and present flood trends are identified and assumptions are made on the factors leading them, following which, zonation is made of those sites where floods are most likely to occur. The indirect methods include two different approaches namely the heuristic (knowledge-driven) and statistical (data-driven) techniques. In the heuristic approach, factors influencing floods such as narrowness of the valleys, very high rainfall, and heavy encroachment of the flood plains, and increasing pressure of population, etc. are ranked and weighted according to their assumed or expected importance. This is normally based on prior knowledge available to the experts on various causes of floods in the particular area of investigation.

Conventional flood hazard mapping techniques use historical flood data to map floodplains. In addition to a record of peak flows over a period of years, a detailed survey (cross-sections, slopes, and close contour maps), maps such as soils, physiography, land use, vegetation, population density, infrastructure, and settlements along with hydraulic roughness estimates is required before the extent of flooding for an expected recurrence interval can be determined. Some of the data required for hazard mapping is difficult to obtain from ground measurements and is time-consuming. The FHZ map requires mainly flow information and fine resolution Digital Elevation Model (DEM) to model. However, fine resolution DEM is not available for most of the floodplains. With these constraints, it is difficult to prepare FHZ maps conventionally. In this context, the Earth Observation Satellites provide the extent of flooding for major flood events at regular intervals, which helps in identifying the frequency of the inundated areas.

1.4 DMSP - DOS INITIATIVE

Keeping in view the demonstrated potential of earth observation and communication satellites, the Department of Space (DOS) has launched Disaster Management Support Programme (DMSP) for providing aerospace information for disaster management to the country.

1.4.1 DISASTER MANAGEMENT SUPPORT PROGRAMME

To provide vital inputs and support in the event of a disaster, Indian Space Research Organisation (ISRO) under the Department of Space (DOS), Government of India, has been developing techniques and methodology by integrating space-based systems and services for disaster management. DOS had executed a Disaster Management Support Programme (DMSP) for integrating operationally the space technology inputs and services on a reliable and timely basis for strengthening India's resolve towards disaster management. DMS Programme addresses five issues mainly (i) creation of digital databases at appropriate scales for facilitating hazard zonation, damage assessment, etc., in perennially disaster-prone areas, (ii) development of appropriate Remote Sensing & Geographical Information System (GIS) based decision support tools and techniques and demonstrations catering to the information needs at different levels, (iii) acquisition of close contour information for priority areas, (iv) strengthening the communications backbone for addressing the real-time/nearreal-time information transfer needs and (v) networking of scientific institutions for exchange of data, information and knowledge.

Towards enabling the operational services, a Decision Support Centre (DSC) is established at National Remote Sensing Centre, (NRSC), Hyderabad, as a single-window provider, interfacing with the National / State disaster management agencies. The important components of the DSC include satellite/ aerial data acquisition strategy, user-required information and formats, output generation, dissemination of information generated to the users through networking, support functions such as digital database, query shells, hazard zonation, etc.

1.4.2 REMOTE SENSING OF FLOODS

Remote sensing makes observation of an object from a distance without being in actual contact. Remote sensing techniques can gather data much faster than ground-based observation and can cover large areas at a time to give a synoptic view. Remote sensing comprises of aerial remote sensing which is the process of recording information, such as photographs and images from sensors on aircraft, and satellite remote sensing which consists of several satellite remote sensing systems.

Satellite remote sensing technology has made substantial contributions in every aspect of flood disaster management such as preparedness, prevention and relief. Space systems from their vantage position have unambiguously demonstrated their capability in providing vital information and services for flood management (U R Rao, 1994). Satellite remote sensors cover a wide area, periodicity and spectral characteristics and offer easiness for comparison of the data before and after adisaster. The Earth Observation satellites provide comprehensive, synoptic and multi-temporal coverage of large areas in real-time and at frequent intervals and thus have become valuable for continuous monitoring of atmospheric as well as surface parameters related to natural disasters. Geo-stationary satellites provide continuous and synoptic observations over large areas of weather including cyclone monitoring. Polar-orbiting satellites have the advantage of providing much higher resolution imageries, even at low temporal frequency, which could be used for detailed monitoring, damage assessment and long-term relief management. Remote sensing also allows monitoring of flood events during the time of occurrence while floods are at their peak. The presence of clouds can hamper satellite optical observations of floods during the monsoon season. Microwaves, which have the all-weathercapability, help under these circumstances. Synthetic Aperture Radar (SAR) a microwave sensor aboard ERS and Radarsat satellites can achieve regular observation of the earth's surface, even in the presence of cloud cover. SAR images are also particularly good at identifying open water - which looks black in most images, Figure-2 Shows the Microwave SAR Satellite-based flood observation in Andhra Pradesh. When combined with optical and infra-red photography from other satellites, an extremely accurate and detailed digital map can be created.

During the last two decades, satellite remote sensing has been operationally used for flood disaster management in India. The potential use of remote sensing technology for flood disaster management can be as follows:

- Flood inundation mapping and monitoring
- Rapid and scientific-based Damage Assessment
- Monitoring and mapping of flood control works and changes in the river course
- Identification of riverbank erosion
- Identification of chronic flood-prone areas
- Improvement in flood forecasting & warning models

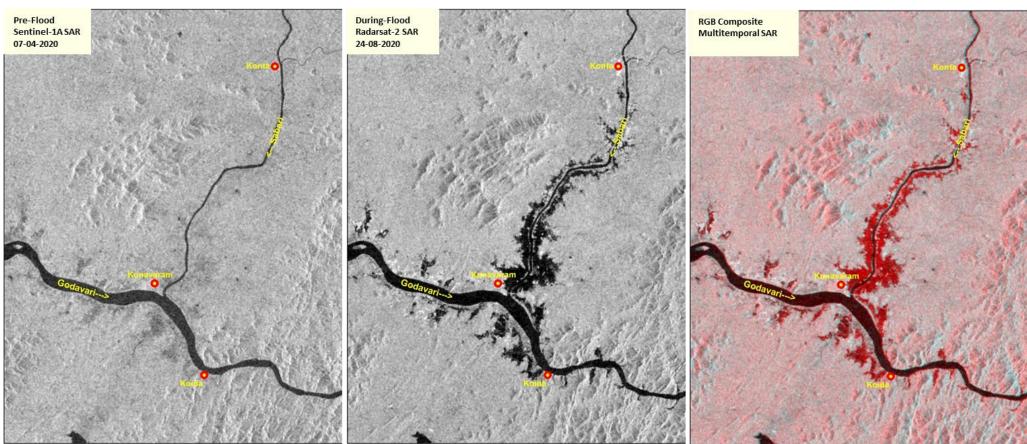


Fig 2: Satellite-Based observation of Flood Scenario in Andhra Pradesh Using Microwave SAR Satellite Image

High-resolution sensor technology has provided immense scope to the earth resource scientists worldwide for mapping and analysis of earth surface feature details using Remote Sensing and Geographic Information systems (RS & GIS). Table-4 provides a list of frequently used satellites and sensors for flood management in India.

TABLE-4 FREQUENTLY USED SATELLITES FOR FLOOD MANAGEMENT IN INDIA

SNo	Satellite	Sensor	Spatial Resolution
		WiFS	188 m
1	IRS-1C & 1D	LISS-III	23.5 m
		PAN	5.8 m
		AWiFS	56 m
	RESOURCESAT-1,		
2	RESOURCESAT-2 &	LISS-III	23.5 m
	RESOURCESAT-2A		
		PAN/L4-MX	5.8 m
3	RISAT 1	SAR	25 m, 50 m
4	IRS-P5 CARTOSAT-1	PAN	2.5 m
5	CARTOSAT-2	PAN	1m
	RADARSAT-1 &	2.5	
4	RADARSAT-2	SAR	100 m, 50 m
_	SENTINEL 1A &		
6	SENTINEL 1B	SAR	10 m
7	NOVASAR	SAR	6 m, 20 m, 30 m
8	TERRASAR-X	SAR	3 m, 15 m
9	ALOS-2 PALSAR	SAR	3 m, 6 m

(Source: National Remote Sensing Centre, ISRO)

Satellite remote sensing from its vantage position has unambiguously demonstrated its capability in providing timely information and enabling Real-Time services for flood disaster management. Satellites provide synoptic and frequent coverage of flood inundated areas and thus become valuable for monitoring floods. Thus, satellite data can be directly used for deriving the flood inundation extents. With remote sensing methods, the extent of floodplains and flood-prone areas can be approximated over entire river basins.

Flood inundation and floodplain maps have been prepared from satellite data by hydrologists all over the world. This technique is capable of yielding useful information for flood hazard assessment. If satellite data sets during flood times are available over a period of time for a floodplain, they can be conveniently used for hazard zone mapping. In addition, the latest land use/land cover, infrastructure, settlements, etc. can also be generated from satellite data.

2.0 FLOOD HAZARD ZONATION FOR ANDHRA PRADESH

2.1 ABOUT THE STATE

Andhra Pradesh, one of the 28 states of India, is situated in the southeast part of the country, it is the seventh-largest state in India, covering an area of 162,970 sq. km(62,920 sq. mi). It is the tenth most populous state, with 49,386,799 inhabitants. The state is bordered by Telangana in the north-west, Chhattisgarh and Odisha in the north-east, Karnataka in the west, Tamil Nadu in the south, and to the east lies the Bay of Bengal. Andhra Pradesh has a coastline of 974 km – the second-longest coastline among the states of India, after Gujarat – with jurisdiction over almost 15,000 sq. km of territorial waters. The small enclave of Yanam, a district

of Puducherry, lies to the south of Kakinada in the Godavari delta on the eastern side of the state.

The state is made up of the two major regions of Rayalaseema, in the inland south-western part of the state, and Coastal Andhra to the east and northeast, bordering the Bay of Bengal. The state is divided into thirteen districts, nine of which are located in Coastal Andhra and four in Rayalaseema. The largest city and commercial hub of the state is Visakhapatnam, located on the Bay of Bengal, with a GDP of US\$43.5 billion; the secondlargest city in the state is Vijayawada, located on the banks of the Krishna River, which has a GDP of US\$3 billion (as 2010). The economy of Andhra Pradesh is the seventh-largest state economy in India with Rs 8.70 lakh



crore in gross domestic product and a per capita GDP of Rs 142,000. Andhra Pradesh state is rich in water resources. River Godavari is the largest and broadest river in southern India, which originates at Trimbakeshwar near Nasik in Maharashtra. River Krishna enters the state at Alampur after having originated at Mahabaleshwar in Maharashtra. Tungabhadra is an important tributary of the river Krishna. Nagarjunasagar Dam at Nandi Konda, Srisailam project at Srisailam, and Prakasam barrage at Vijayawada are constructed on this river. Pennar, Vamsadhara and Nagavali are other important rivers. All the rivers are rain-fed and of great economic significance because they are the source of hydropower and irrigation.

The two major lakes in the state are the Kolleru and Pulicat. While the Kolleru lake lies in the delta between the rivers Krishna and the Godavari, the Pulicat lake is located in the southern tip of the Nellore district, close to the sea. Andhra Pradesh state is rich in reservoirs and tank resources.

Andhra Pradesh hosted 121.8 million visitors in 2015, a 30% growth in tourist arrivals over the previous year, making it the third most-visited state in India. The state's natural attractions include the beaches of Visakhapatnam, hill stations such as the Araku Valley and Horsley Hills, and the island of Konaseema in the Godavari River delta.

2.1.1 ADMINISTRATIVE SETUP

Andhra Pradesh is divided into 13 administrative districts. Table-5 shows the various districts, their area, population, and district headquarters.

TABLE 5: AP DISTRICTS AND HEADQUARTERS

SI No	District	Headquarters
1	Anantpur	Anantpur
2	Chittoor	Chittoor
3	East Godavari	Kakinada
4	Guntur	Guntur
5	Kadapa	Kadapa
6	Krishna	Machilipatnam
7	Kurnool	Kurnool
8	Nellore	Nellore
9	Prakasam	Ongole
10	Srikakulam	Srikakulam
11	Vishakhapatnam	Vishakhapatnam
12	Vizianagaram	Vizianagaram
13	West Godavari	Eluru

2.1.2 DEMOGRAPHY

As per the Census of India 2011, the total population of Andhra Pradesh is 49.38 million with 21.02 million households. Higher population concentration was recorded in the districts of East Godavari, Guntur, Krishna, Vishakhapatnam, Chittoor, Anantpur, and Kurnool. The Technical Group on Population Projection constituted by the National Commission on Population (India) in 2006 has estimated the state's population at 66.51 million in 2006 (before bifurcation) and has estimated it to be 52.5 million by 2016, 52.6 million by 2021, 54.2 million by 2031 and 54.3 million by 2041, with an expected population growth of 3.4% in that period (2021-2041). In 2011, the census recorded literacy in Andhra Pradesh at 67.82%. Figure-3 shows the district-wise major demography characteristics of Andhra Pradesh and Table-6 shows the district-wise demographic profile of Andhra Pradesh..

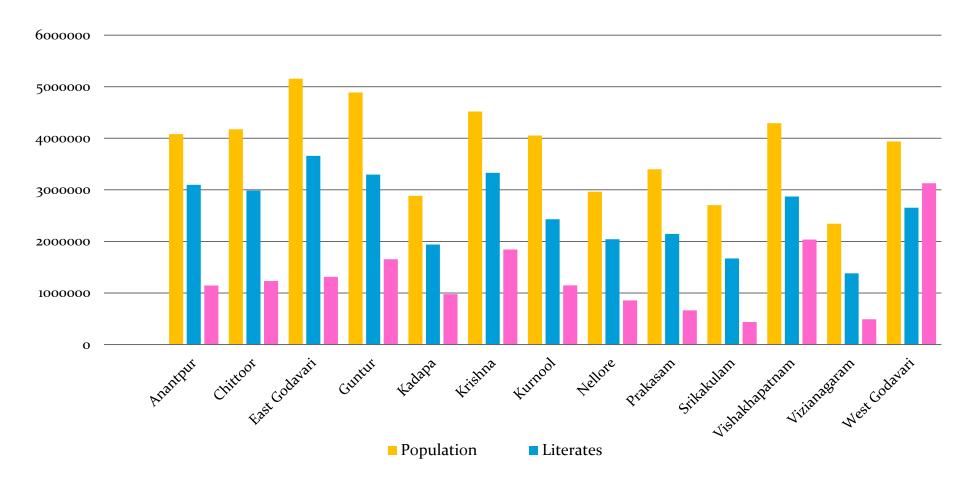


Fig 3: District-wise major demography characteristics, 2011 in Andhra Pradesh

TABLE-6: DISTRICT-WISE DEMOGRAPHIC PROFILE OF ANDHRA PRADESH, 2011 (Souce: Census of India)

SI No	District	Area	Population	Rural Population	Urban Population	Sex Ratio	Literacy	Population Density
1	Anantpur	19,130	4081148	2935437	1145711	961	75.87%	213
2	Chittoor	15,152	4174064	2942678	1231386	997	71.53%	275
3	East Godavari	10,807	5154296	3840324	1313972	1006	70.99%	477
4	Guntur	11,391	4887813	3235075	1652738	1003	67.40%	429
5	Kadapa	15,359	2882469	1903294	979175	985	67.30%	188
6	Krishna	8,727	4517398	2673738	1843660	992	73.74%	518
7	Kurnool	17,658	4053463	2904177	1149286	988	59.97%	230
8	Nellore	13,076	2963557	2105904	857653	985	68.90%	227
9	Prakasam	17,626	3397448	2732866	664582	981	63.08%	193
10	Srikakulam	5,837	2703114	2266411	436703	1015	61.74%	463
11	Vishakhapatnam	11,161	4290589	2254667	2035922	1006	66.91%	384
12	Vizianagaram	6,539	2344474	1853563	490911	1019	58.89%	359
13	West Godavari	7,742	3936966	808777	3128189	1004	67.37%	509

2.1.3 PHYSIOGRAPHY

Andhra Pradesh has three main physiographic regions: the coastal plain, the Eastern Ghats, and the plateau west of the Eastern Ghats. The coastal plain extends from the Bay of Bengal to the mountain ranges and runs nearly the entire length of Andhra Pradesh. A number of rivers flow across the coastal plain, through the hills into the bay, from west to east. The Krishna and the Godavari Deltas form the central part of the plains. The Eastern Ghats are broken up by the numerous river valleys and do not form a continuous range in Andhra Pradesh.

2.1.4 CLIMATE

The state has a tropical climate. The average temperature during the cooler months of December and January is 28°C, and in the summer months of May and June, the temperature reaches 40°C. Most parts of the state in summer are hot and humid. Hyderabad, the state's capital, however, can be hot and dry in the peak summer month of May. The annual average temperature is 31.5°C. The state is principally fed by the southwest monsoon while the northeast monsoon contributes about one-third of rainfall. The east coast region has been prone to disastrous cyclonic storms, which have destroyed much life and the livelihood of the villagers in the area. Rainfall mainly occurs during the monsoon period of June to September while it is only 3 cm between December and March. About two-thirds of rain falls in the northeastern part of the state.

Andhra Pradesh experiences three seasons – summer, rainy season (more commonly referred to as the monsoon season) and winter. Summers in the state start in March and run through till the end of June. During this period, mercury can climb pretty high, particularly in coastal regions. The summer temperature in the state varies from 20°C to 40°C. In some places, mercury can go as high as 45°C during the day. The summer period often is interrupted by occasional thunderstorms and rain which helps to bring down the temperature and make it more bearable.

The famous Asian monsoon rears its head in Andhra Pradesh in July and lasts right until September. The state can receive heavy rainfall during this season, but it transforms the entire state into an oasis. The vegetation across the state comes to life and it just adds to the attraction. The state receives most of its rainfall from the Northeast Monsoons.

The winter season in the state begins in October. In some parts, it may rain during the start of the season. The temperature in the state becomes extremely pleasant during the winter season, which lasts from October through February. The winters are not very cold because of the massive coastline and temperatures tend to range from 13 degrees Celsius to 30 degrees Celsius. This season is the best time to visit Andhra Pradesh and discover its natural beauty and celebrated past.

Andhra Pradesh state is rich in water resources. River Godavari is the largest and broadest river in southern India, which originates at Triambakeshwar near Nasik in Maharashtra. River Krishna enters the state at Alampur after having originated at Mahabaleshwar in Maharashtra. Tungabhadra is an important tributary of the river Krishna. Nagarjunasagar Dam at Nandi Konda, Srisailam project at Srisailam, and Prakasam barrage at Vijayawada are constructed on this river. Pennar, Vamsadhara and Nagavali are other important rivers. All the rivers are rain-fed and of great economic significance because they are the source of hydropower and irrigation. The two major lakes in the state are the Kolleru and Pulicat. While the Kolleru lake lies in the delta between the rivers Krishna and the Godavari, the Pulicat lake is located in the southern tip of the Nellore district, close to the sea. Andhra Pradesh state is rich in reservoirs and tank resources.

Climate change poses a challenge to the sustainability of socio-economic development, livelihoods of communities and environmental management in India. India has pursued a strong domestic agenda to adapt to climate change while maintaining its growth objective and engaging constructively with the international community.

Agriculture is severely affected by variability in rainfall and temperature patterns, while rising sea levels and extreme events of marine origin, such as cyclones, pose problems for coastal areas. Besides these, other critical areas of concern are food security, the increasing number of climate-vulnerable habitats (like slums or village dwellings) and climate-vulnerable infrastructure (like roads and bridges which may be washed away by floods).

2.1.5 NATURAL DISASTERS IN ANDHRA PRADESH

Andhra Pradesh is exposed to cyclones, storm surges, floods and droughts. A moderate to severe intensity cyclone can be expected to make landfall every two to three years. About 44 percent of the state is vulnerable to tropical storms and related hazards. In India, cyclones develop in the pre-monsoon (April to May) and post-monsoon seasons (October to December), but most of them tend to form in the month of November. The regular occurrence of Disasters both Natural and Man-made in Coastal Andhra Pradesh in India has had a series of repercussions on the state and country's economy, its development policies and political equilibrium and daily life of millions of Indians. Andhra Pradesh is battered by every kind of natural disaster: cyclones, floods, earthquakes and drought. The coastal region suffers repeated cyclones and floods. The 1977 cyclone and tidal wave, which resulted in great loss of life, attracted the attention of the central and state governments of India and the international donor communities, as did those of 1979, 1990 and 1996. The floods in the Godavari and Krishna Rivers caused havoc in the East and West Godavari and Krishna districts.

The social and economic life of AP's population is characterized by recurring natural disasters. The state is exposed to cyclones, storm surges, floods, and droughts.

2.1.5.1 History of Floods and Cyclones in Andhra Pradesh

In Andhra traditionally, the flood problem had been confined to the flooding of smaller rivers. But the drainage problem in the coastal delta zones has worsened, multiplying the destructive potential of cyclones and increasing flood hazards. A critical factor is the maintenance of irrigation systems. On several occasions, deaths have been caused by breaches in tanks and canals as well as over-flooding caused by silting and growth of weeds.

Traditionally the flood plains of Godavari, Krishna, Vamsdhara and Nagavalli have been subjected to floods due to heavy rains in the upstream catchment areas, but occasionally floods have been observed in smaller rivers as well. Cyclone induced heavy rains have been one of the prominent reason for floods in the state. The Godavari floods of 2006, Krishna floods of 2009, Floods in 2018 and 2019 were some of the most harrowing floods experience the state has felt in the recent past.

According to the available disaster inventories, AP is the state that has suffered the most from the adverse effects of severe cyclones. It has been estimated that about 44 percent of AP's total territory is vulnerable to tropical storms and related hazards, while its coastal belt is likely to be the most vulnerable region in India to these natural phenomena. Khammam district, in the Telangana region, is affected by monsoon floods, along with five districts in Coastal AP. Four districts in Rayalaseema and five in Telangana experience drought. Along the coastline, the section between Nizampatnam and Machilipatnam is the most prone to storm surges. The fertile Delta areas of the Godavari and the Krishna rivers, which contribute substantially to the state's economic prosperity, face flood, and drainage problems, and more so in the aftermath of cyclones.

Cyclones on the east coast originate in the Bay of Bengal, the Andaman Sea or the South China Sea, and usually reach the coastline of Tamil Nadu, Andhra Pradesh, Odisha and West Bengal, which are the most vulnerable to these types of hazards. Two of the deadliest cyclones of this century, with fatalities of about 10,000 people in each case, took place in Odisha and Andhra Pradesh during October 1971 and November 1977 respectively. The super cyclone of Odisha in 1999 caused large-scale damage to life and property. Along the Andhra coast, the section between Nizampatnam and Machilipatnam is the most prone to storm surges. Vulnerability to storm surges is not uniform along Indian coasts.

Many drought-prone areas adjacent to coastal districts in eastern maritime states are thus vulnerable to flash floods that originated from the torrential rains induced by the cyclonic depression. In addition to cyclones and their related hazards, monsoon depressions over the north and central areas of the Bay of Bengal move until reaching north and central India, including portions of Andhra Pradesh, bringing heavy to very heavy rains and causing floods in the inland rivers between June and September.

AP with its coastline of 974 km is more vulnerable to cyclones compared to other disasters like drought, storm surges and floods. As per IMD, all-together, 184 cyclones of all categories including depressions crossed the coast from 1891 to 2019. AP is at risk of at least one cyclone each year on an average and maximum during October and November. Cyclones with moderate to severe intensity occur every two to three years, which results in huge damage to the state. According to the Government of AP, 2.9 million people are vulnerable to cyclones as 3.3 million people are located within 5 km distance from the coastline. Thus, a storm surge with a small wavelength from the sea level results in affecting thousands of people in addition to the strong winds of the cyclones.

The extent of damages has been increasing on an annual basis. In the last 7 years (2014-2020) major floods and cyclones like Cyclone Hudhud, Floods of 2016, Floods of 2017, Cyclone Titli, Cyclone Nivar, etc. have impacted a population of almost 2 Crore people in the state. Cyclone Hudhud and Cyclone titli are reported to have led to damage of 2 lakh and 50 thousand dwellings respectively. The livestock losses have also been high owing to the recurrent floods and cyclones in the state. The overall monetary losses due to these disasters have been in tunes of thousands of crores to the state and its population.

Some of the major floods and cyclones that impacted the state between 2000 to 2020 have been highlighted in the next few pages.

2006Godavari Floods: Torrential rains since 02-August 2006 caused widespread flooding in Andhra Pradesh. The floods also caused widespread damage to property, standing crops, flood control embankments and other basic infrastructure. The flood level in river Godavari had risen up to 70 feet at Bhadrachalam, the highest ever in the past two decades.Responding to the emergency situation, NRSC tasked the satellites and prepared multiple flood maps to assist in rescue and relief operations. Figure 4shows the flood situation in the Godavari and its tributary, Sabari river as on 07 August 2006.

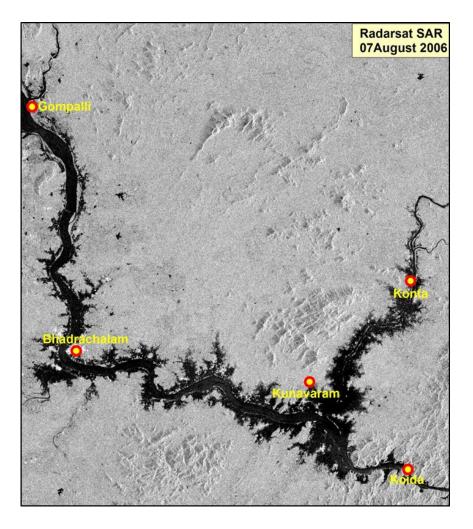


Fig 4: Floods in the Godavari and the Sabari River as on 07 August 2006.

2009 Krishna FloodsHeavy rains in the catchments of Krishna, Tungabhadra rivers during the first week of October 2009 triggered by a deep depression in the Bay of Bengal caused severe floods in Andhra Pradesh affecting many districts. Kurnool town was submerged in the backwaters of the Srisailam dam due to unprecedented inflows. The flood situation remained grim in the villages situated on the banks of the Krishna river in the district due to heavy discharge of water from Nagarjunasagar dam into the downstream. The earliest coverage of IRS-AWiFS satellite data of 4th and 5th October 2009 were procured and analysed by NRSC. Flood inundation maps were prepared showing the flood extent in the affected villages. The mapswere disseminated to State and Central government departments in near real-time mode at regular intervals so as to aid the Government in relief and rescue operations. Figure 5 shows the satellite images depicting floods in part of Andhra Pradesh.

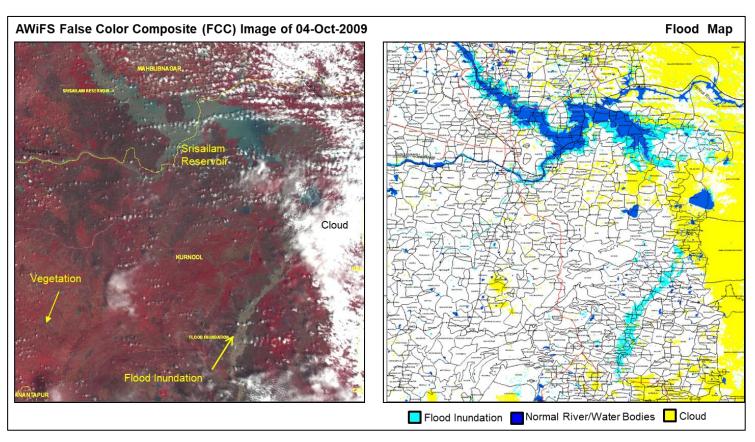


Fig 5: Satellite showing floods as on 04 October 2009 and the derived product for flood affected areas in Kurnool

2012 Cyclone Nilam made its landfall between Chennai and Mahabalipuram in Tamil Nadu, on October 31, 2012. The cyclone caused heavy rains in the state of Andhra Pradesh causing extensive losses to crops and inundated Prakasam, Nellore, Chittoor. East Godavari and West Godavari, Guntur, Krishna, Vishakhapatnam and Srikakulam districts in Andhra Pradesh and Nagapattinam, Cuddalore and Thiruvarur districts in Tamil Nadu. About 20 Inundation maps prepared from the satellite data analysis of Nov 01st, 02nd, 05th and 06th, 2012 were provided to the concerned state agencies. Flood inundation layers were uploaded to ISRO earth observation portal (www.bhuvan.nrsc.gov.in) for wider access and visualization. Figure 6 shows pre and post image of Cyclone Nilam induced flood inundation in Vishakahapatnam District as on Nov 05, 2012.

Post-Cyclone | Post-

Andhra Pradesh-Cyclone 'NILAM' Inundation as on Nov 05,2012

Fig 6: Pre and Post image showingCyclone Nilam induced floods inundation in Vishakahapatnam District as on Nov 05, 2012

2014 Cyclone HUDHUD made the landfall on 12th October 2014 on the coast of Northern Andhra Pradesh affecting more than 90 lakh people. The city of Vishakhapatnam was heavily damaged, including the airport, several buildings, electrical and telecommunication supplies and roads. Crowd sourcing of the disaster-specific data was done (using the mobile application developed by NRSC) during the Cyclone HUDHUD and the real-time information was showcased on the Bhuvan portal. The State government was able to monitor the real time impact of the damage caused due to cyclones and immediate relief and rescue operations were carried out based on the information provided. The initiative was lauded by the State Administration. Figure 7 shows crowd Sourced Information Populated on the Bhuvan Geoportal & Figure 8 shows damage assessment due to Cyclone Hudhud.

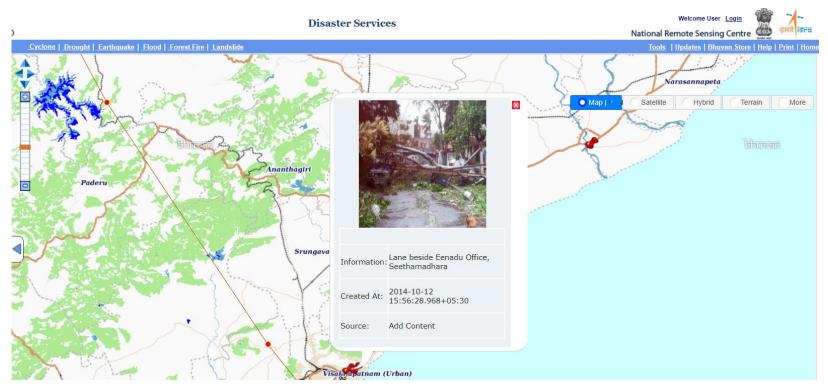


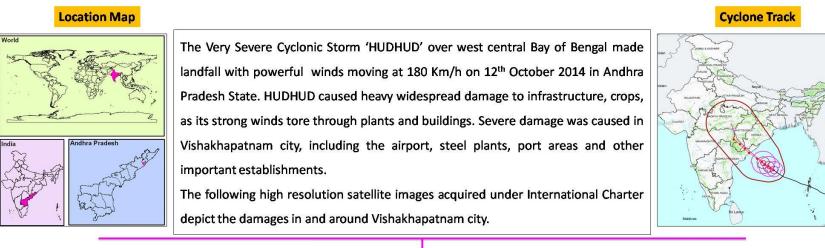
Fig 7: Crowd Sourced Information Populated on the Bhuvan Geoportal during Huhud Cyclone



CYCLONE 'HUDHUD' IN ANDHRA PRADESH - OCTOBER, 2014

Charter-ID: 508





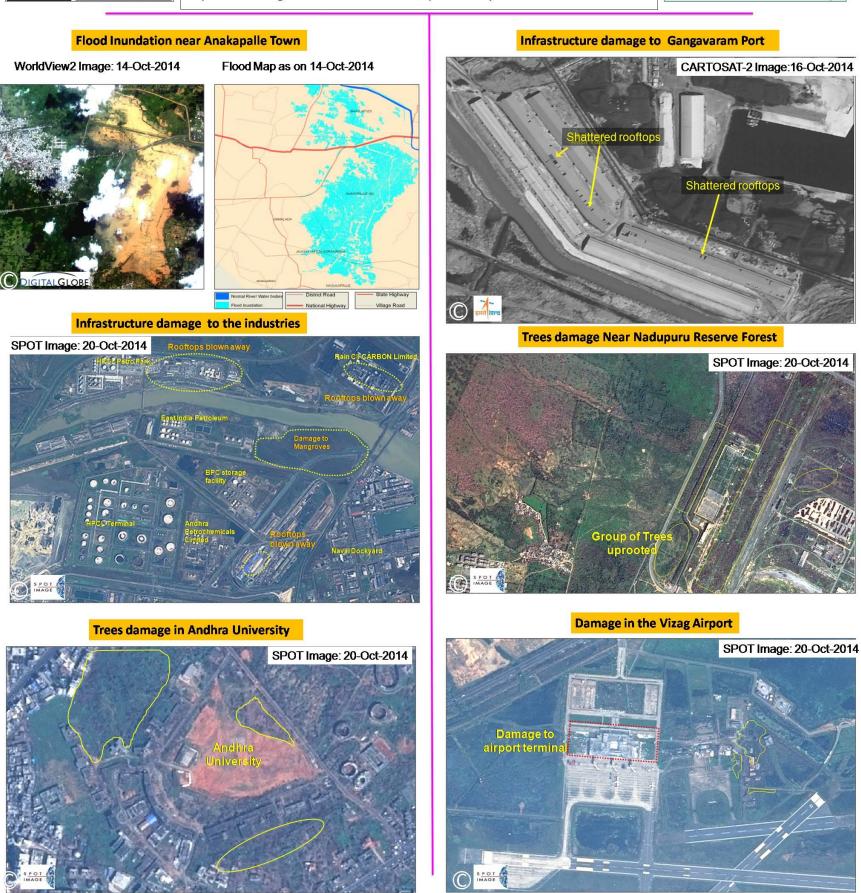


Fig 8: Damage Assessment due to Cyclone Hudhud Using Very High Resolution Satellite Images

2018 Cyclone Titli Very severe cyclonic storm Titli packing winds of up to 150 kmph and widespread rains hit eastern India in 2018, killing scores of people in the coastal states, damaging homes, uprooting trees and power lines. Cyclone 'Titli' made landfall on the eastern coast early Thursday, wreaking havoc mainly in Srikakulam and Vizianagaram districts of Andhra Pradesh and affected more than 16 lakh people in the state. NRSC provided near real-time flood maps using microwave and optical satellite imagery. Figure 9 shows the track of the cyclone and the severity zones updated on the bhuvan geoportal and figure 10 shows the pre vs post flood analysis of the areas in Srikakulam district of Andhra Pradesh.

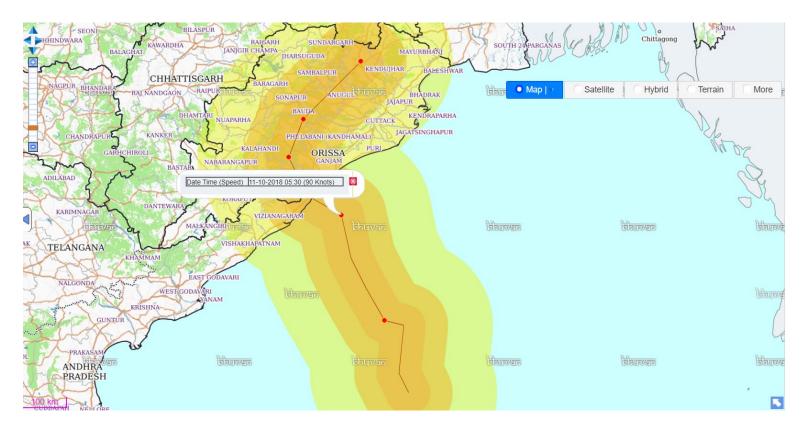


Fig 9: Track and Severity Zones of Cyclone Titli on Bhuvan Geoportal

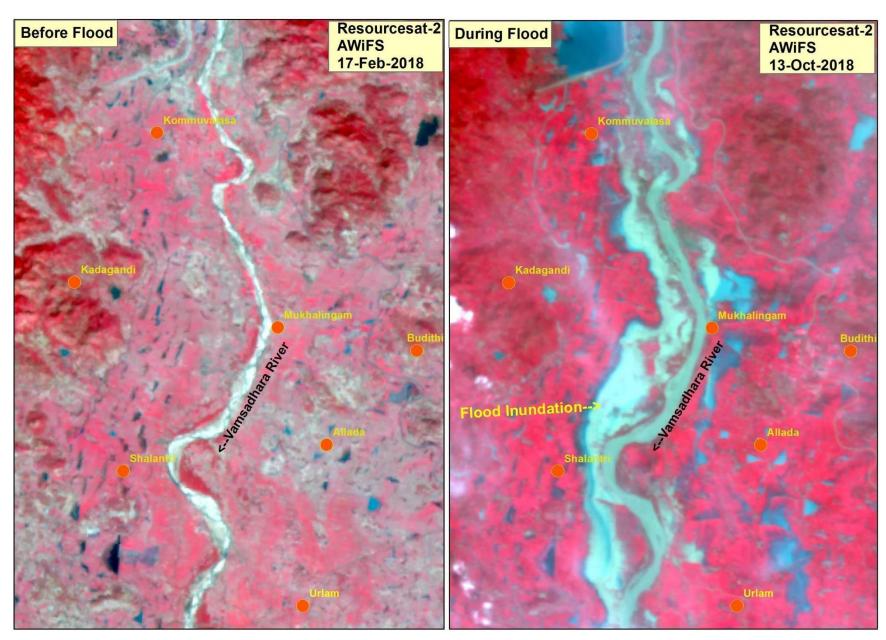


Fig 10: IRS Data Showing Floods in Srikakulam District during 2018 Floods due to Cyclone Titli.

2020 Cyclone NIVARVery Severe Cyclonic Storm Nivar made landfall near Marakkanam close to Puducherry on the midnight of November 25, 2020. It brought heavy rains and severe impacts to various parts of Andhra Pradesh. Coastal districts of Andhra Pradesh received heavy to very heavy rainfall. Cyclone-induced flooding was reported in Nellore, Prakasham, Chittoor, Kurnool and Kadappa disctricts. There were widespread floods and wind-related damages to thousands of residential houses, businesses, roads and other structures. NRSC monitored the event using Microwave and Optical satellite data and provided near real-time inundation maps to the state administration. Figure 11 highlights the Pre Vs Post flood situation in Nellore district of the state

Resourcesat-2 AWIFS Image of 07-Feb-2019 RADARSAT-2 SAR Image of 25-Nov-2020 (1800 HRS IST) Pre Cyclone Pre Cyclone Resourcesat-2 AWIFS Image of 07-Feb-2019 RADARSAT-2 SAR Image of 25-Nov-2020 (1800 HRS IST) During Cyclone Resourcesat-2 AWIFS Image of 07-Feb-2019 RADARSAT-2 SAR Image of 25-Nov-2020 (1800 HRS IST) Pre Cyclone Resourcesat-2 AWIFS Image of 07-Feb-2019 RESOURCESATE AWIFS Image of 25-Nov-2020 (1800 HRS IST) RESOURCESATE AWIFS IMAGE OF 25-Nov-2020 (18

Fig 11: Satellite Data Showing flood affected areas in part of Nellore District of Andhra.

2.1.6 MAJOR RIVERS

All the rivers in Andhra Pradesh are rain-dependent and they have large currents in the rainy season and low currents in summer. Some rivers are even dry in summer. The major rivers in Andhra Pradesh are the Godavari, Krishna, Tungabhadra, Pennar, Manjira, Nagavali, and Vamsadhara.

The Krishna and Godavari rivers are the largest and broadest in South India. In Andhra Pradesh, all the rivers generally flow from northwest to southeast. Except for the Godavari, Pennar, Krishna, Tungabhadra, Bhima, Manjeera, Pranahita, all rivers have their source aoutflowmountainsides and destination at the Bay of Bengal. The Deccan rivers (Godavari and Krishna) contribute about 30 % of the total outflow in India. Of this, the rivers that flow from the west to east account for 20 % and those from the east to west about 10 %.

2.1.6.1 GODAVARI

The river Godavari originates in the Western Ghats in the Nasik district of Maharashtra. The Godavari and its tributaries flow through the states of Maharashtra, Karnataka, Madhya Pradesh, Orissa and Andhra Pradesh (Refer: Table-7 and Figure-12). The recorded peak discharge of Godavari at Dhawaleshwaram was noted to be 85,000 cubic meters per second (30 lakh cusecs).

STATE	DRAINAGE AREA
Maharashtra	152,027
Telangana	62,562
Chhattisgarh	34,097
Madhya Pradesh	31,281
Odisha	17,830
Andhra Pradesh	10,636
Karnataka	4,379
TOTAL	312,812

TABLE 7: AREA OF GODAVARI BASIN IN EACH STATE

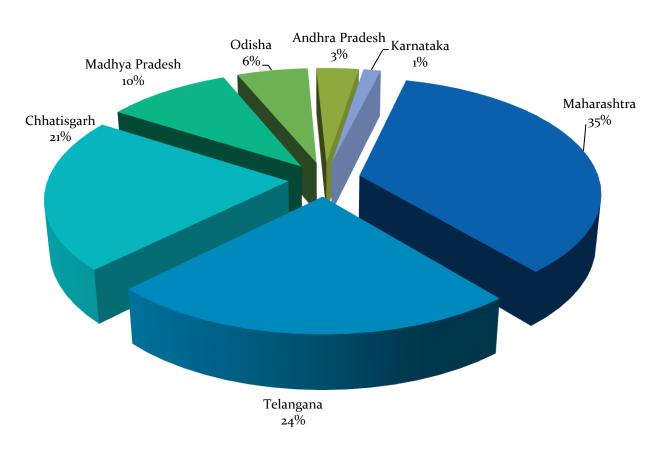


Fig12: State-Wise Distribution of Drainage Area of Godavari

2.1.6.2 KRISHNA

The Krishna is the second largest river in the State. The traditional source of the river is a spout from the cow's mouth in the ancient temple of Mahadev in Mahabaleswar in Maharashtra at an elevation of 1337m and it flows 780-km before it enters Andhra Pradesh. The length of the Krishna River is 1400-km. The total catchment is 2,59,000-sq-km. The river gets most of its water from the Western Ghats. The river drains the areas of Maharashtra, Karnataka, Andhra Pradesh and Telangana (Table-8 and Figure-13).

TABLE 8: AREA OF KRISHNA BASIN IN EACH STATE

STATE	DRAINAGE AREA
Karnataka	113,271
Telangana	76,252
Andhra Pradesh	1 0,232
Maharashtra	69,425
TOTAL	258,948

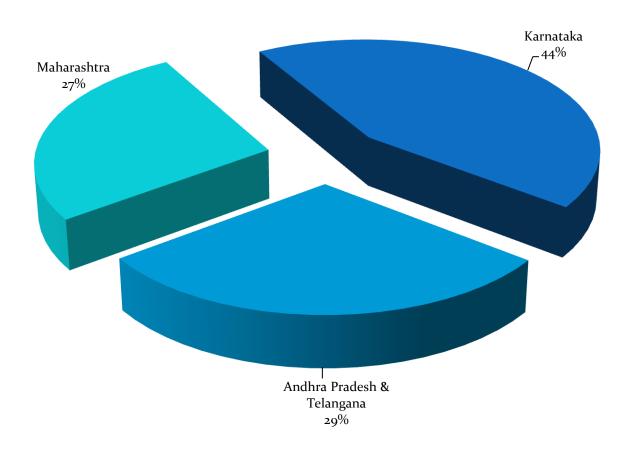


Fig13: State-Wise Distribution of Drainage Area of Krishna

2.1.6.3 VAMSADHARA

The Vamsadhara flows between Mahanadi and Godavari. The river originates in Lanjigarh in the Kalahandi district of Odisha, flowing 254km before joining the Bay of Bengal at Kalingapatanam in AP. The catchment area of the river is 10,830 square kilometers. Vamsadhara river basin covers an area of 8015 square kilometers in the state of Odisha and 2815 square kilometers in Andhra Pradesh. One of the major tributaries of the Vamsadhara River is Mahendratanaya, which originates Gajapati district of Odisha. It joins the main river in the state of Andhra Pradesh, upstream of Gotta barrage.

2.1.6.4 NAGAVALI

The Nagavali river lies within the geographical co-ordinates of north latitude 18°10′ to 19° 44′ and east longitudes of 82° 53′ and 84° 05′. It is surrounded by Vamsadhara in the north, Champavati and Peddagedda in the south, the Godavari in the west, and the Bay of Bengal in the east. It drains parts of the districts of Kalahandi, Rayagada and Koraput of Odisha and Srikakulam, Vizianagaram and Visakhapatnam of Andhra Pradesh state. The total catchment area is 9510 sq km. The Nagavali river originates near the Lakhbahal in the Kalahandi district at an elevation of about 1300m. The total length of the river is 256 km out of which the first 161 km is in Odisha and the rest in Andhra Pradesh. The important tributaries are Barha, Baldiya, Satkalnala, Sitagurha, Srikona, Jhanjavati (Odisha-AP), Gumidigedda, Vottigedda, Suvarnamukhi, Vonigedda, Vagavathi and Relligedda (north Andhra).

2.1.6.5 PENNAR

Pennar, or Penna, rises in the Thenanahesava hill of the Nandidurg range in Karnataka, flowing through Kolar and Tumkur districts of Karnataka and enters Andhra Pradesh in the Hindupur taluk of Anantapur district, running eastwards before draining into the Bay of Bengal near Nellore. It is 597 kilometers long. Its drainage basin is 55,213 km², of which 6,937 km² is in Karnataka and 48, 276 km² in Andhra Pradesh. The river basin lies in the rain shadow region of Eastern Ghats and receives an annual average rainfall of 500mm.

2.1.7 FLOOD CONTROL MEASURES

Although there are various Structural Flood Control measures implemented (Table-9) hazard mapping has its own advantages. Since floodplains can be mapped, the boundary of the different return period flood is used in floodplain mitigation programs to identify areas where the risk of flooding is significant. Flood hazard maps are used to delineate areas of land which are at risk from flooding up to some extreme limit. Hazard maps show a flood boundary based on different magnitudes of floods with various specific return periods. These maps can be used to regulate developmental activities within the floodplain so that damages can be minimized. Conventional flood hazard mapping techniques use historical flood data to map floodplains.

In addition to a record of peak flows over a period of years, a detailed survey (cross-sections, slopes and close contour maps), maps such as soils, physiography, land use, vegetation, population density, infrastructure, and settlements along with hydraulic parameters are required for determining the extent of flooding for an expected recurrence interval. Some of the data required for hazard mapping is difficult to obtain from ground measurements and time-consuming; in such cases, remote sensing plays an important role. Satellite remote sensing from their vantage position has unambiguously demonstrated their capability in providing important information and services for flood disaster management. Satellites provide synoptic and frequent coverage of flood-affected areas and thus become valuable for monitoring flood disasters. Satellite data can be directly used for deriving flood inundation limits. If satellite data sets during flood times are available over a period of time for a floodplain, they can be conveniently used for hazard zone mapping. In addition, information on the latest land use/land cover, infrastructure, etc. can also be generated from satellite data.

TABLE 9: FLOOD CONTROL MEASURES IN ANDHRA PRADESH

SI No	Item	Length/Nos
1	Embankments (km)	2230
2	Drainage Channel (km)	13569
3	Villages Raised/ Protected (Nos)	23
4	Town/Village Protection works (Nos)	72

2.2 ROLE OF IMD IN FLOOD MONITORING IN ANDHRA PRADESH

2.2.1 ANALYSIS OF RAINFALL OVER ANDHRA PRADESH

Southwest monsoon season is the principal rainy season in this state. More than 56% of rainfall occurs during the southwest monsoon season. The rain gauge station (122) which is shown in figure14 is used for the analysis of rainfall for the state. A good amount of rainfall occurred during the northeast monsoon season which 32% of annual rainfall. Winter and pre-monsoon season's rainfall are 2%, 10% of annual rainfall respectively (figure-15). The mean monthly rainfall is maximum during the month of October and is minimum in the month of January.(Source:IMD)

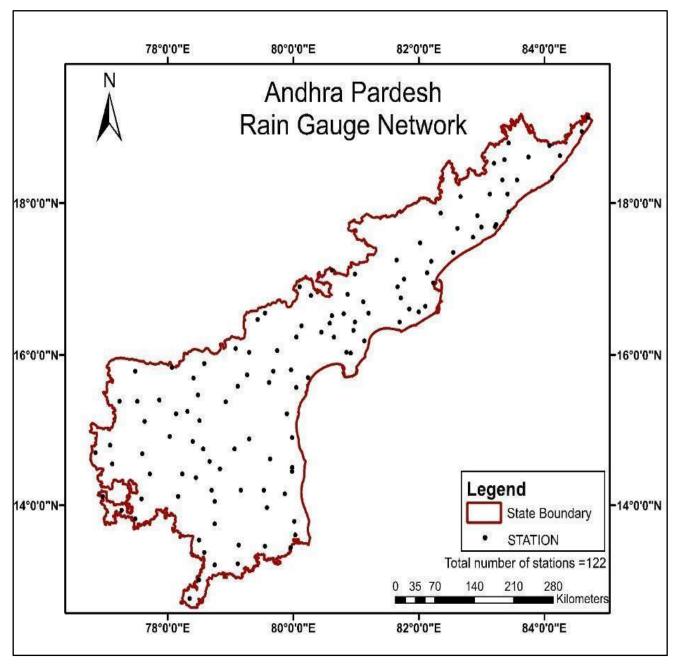
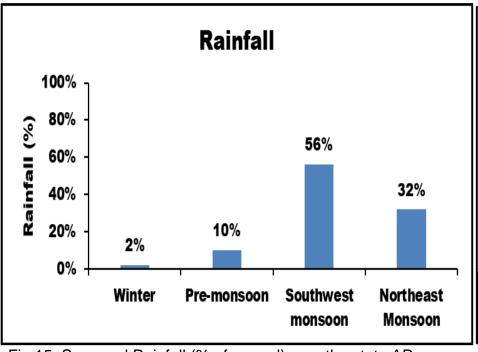


Fig14: Rain gauge stations used for the Analysis for the state Andhra Pradesh

TABLE 10: SEASONAL AND ANNUAL NORMAL RAINFALL

Season	Month	Normal Rainfall (mm)
Winter	January to February	16.5
Pre-monsoon	March to May	91.8
Southwest monsoon	June to September	514.4
Northeast monsoon	October to December	290.7
Annual	January to December	913.4

Figure 15 shows the seasonal rainfall as a percentage of annual rainfall over the state of AP. The spatial normal rainfall distribution during southwest monsoon, northeast monsoon, and annual are shown in figs. 16-18 respectively. Normally southwest monsoon covers the state of Andhra Pradesh in the 2nd week of June and can be quite severe in some parts of the state during the season. The rainy season is fairly humid but it gets hot when there is a let-up in the rains for days together. The southwest Monsoon withdraws from the state normally around the middle of October.



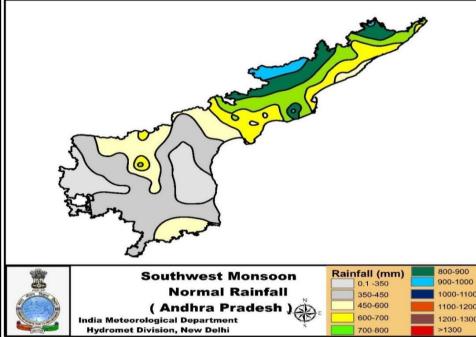
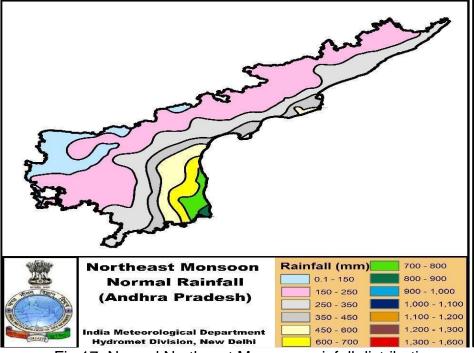


Fig 15: Seasonal Rainfall (% of annual) over the state AP

Fig 16: Normal Southwest Monsoon rainfall distribution



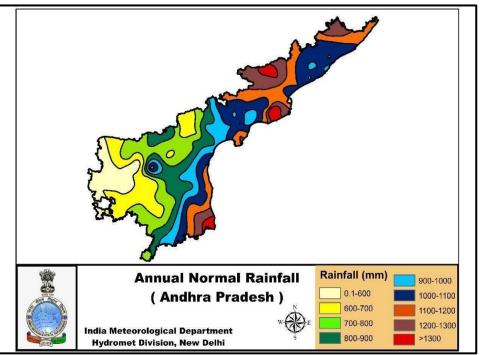


Fig 17: Normal Northeast Monsoon rainfall distribution

Fig 18: Annual Normal Rainfall distribution

2.2.2 MAIN SYNOPTIC FEATURES FOR RAINFALL

Main synoptic features responsible for southwest monsoon rain over Andhra Pradesh as follows:

- Monsoon trough: When the monsoon trough is oriented east-west and the monsoon trough tilts towards south upto central Bay of Bengal. Andhra Pradesh gets very heavy rainfall. Intense rainfall also occurs during strong monsoon conditions under the influence of the tilting of upper air cyclonic circulations southwestwards aloft.
- Lows/Depressions: Lows/Depressions form over West Central/ Northwest Bay of Bengal, move inland taking a
 northwesterly/west-northwesterly course and affect the weather in the interior parts of North Coastal Andhra Pradesh region.
 Most part of the North Coastal Andhra Pradesh region receives heavy to very heavy rains that may occur in association with
 monsoon lows or depressions (LPS).
- Upper air troughs/cyclonic circulations: Upper air troughs/cyclonic circulations that form over the West Central/ Northwest Bay
 of Bengal move from east to west. Moisture feed is available from the Bay of Bengal. This is triggered by upper air
 circulation that formed over West-central / Northwest Bay of Bengal that further intensified to the Low-pressure system,
 causing heavy rainfall over North Coastal Andhra Pradesh region.
- East-west wind shear: The formation of east-west wind shear at around 150N to 170N Latitude, leads to heavy rainfall over South Coastal Andhra Pradesh region.

2.2.3 SEASONAL RAINFALL VARIATION

The actual and normal rainfall for winter, pre-monsoon, southwest monsoon, northeast monsoon seasons and annual are shown in figs. 19-23 respectively. It is seen from figures that actual winter & northeast monsoon seasons rainfall in the period 2015 to 2019 is in the lower side of normal rainfall whereas southwest monsoon, pre-monsoon and Annual rainfall both in the higher side and lower side of the normal rainfall. (Source:IMD)

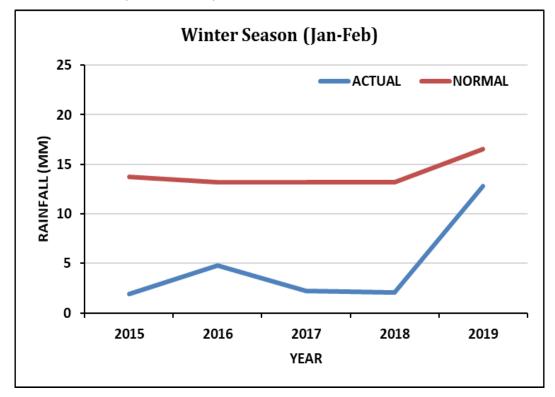


Fig 19: Actual and Normal rainfall during the winter season

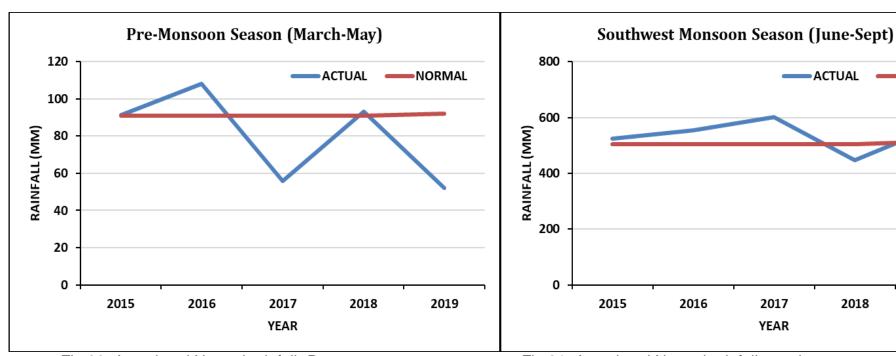


Fig 20: Actual and Normal rainfall- Pre-monsoon season

Fig 21: Actual and Normal rainfall- southwest monsoon season

NORMAL

2019

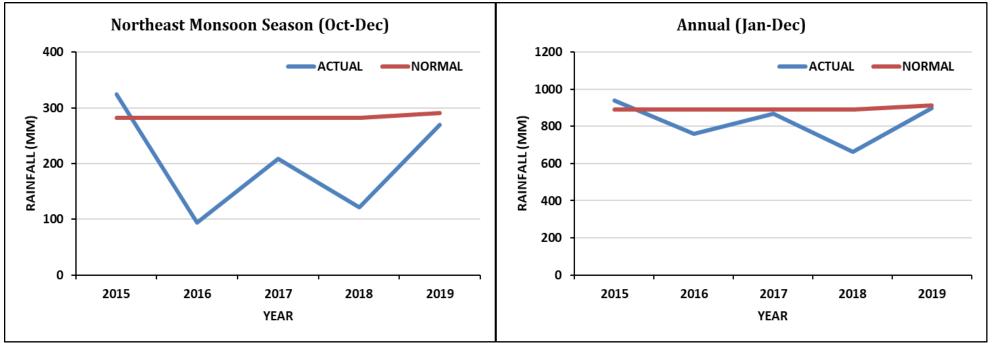


Fig 22: Actual and Normal rainfall - northeast monsoon season

Fig 23: Actual and Normal Annual Rainfall

2.2.4 RAINFALL PATTERN OF ANDHRA PRADESH

The percentage departure of rainfall (departure from long-period average) for the state is shown in fig. 24 for recent years. It is found that all the years i.e., 2015-19 are showing positive percentage departure except for the year 2018 which is a negative percentage departure. Daily heavy rainfall pattern (> 64.5 cm & above) of ten different stations lying in different regions of Andhra Pradesh (>64.5 cm & above) namely - Kalingapatnam, Visakhapatnam, Bapatla, Kakinada, Gannavaram, Kurnool, Machilipatnam, Nellore, Ongole, and Nandyal based on of 47 years (1973-2019) of rainfall data has been analyzed during the southwest monsoon season. The frequency analysis of daily heavy rainfall events (> 64.5 cm and above) over different regions are showing both increasing/decreasing trends (figs.25-34).

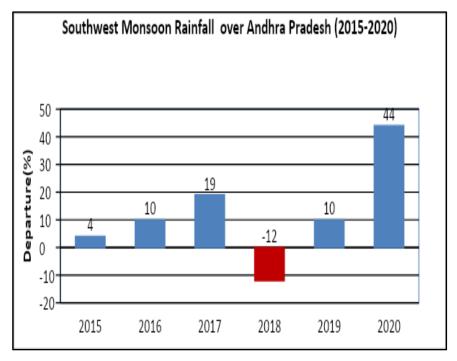


Fig 24: Southwest Monsoon rainfall pattern over AP

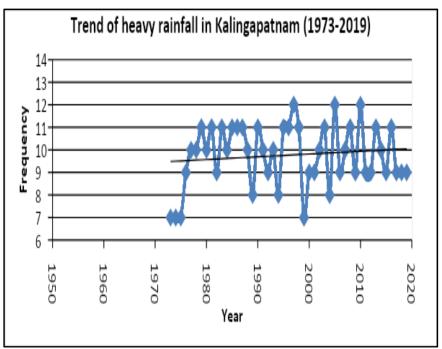


Fig 25: Heavy rainfall pattern over Kalingapatnam

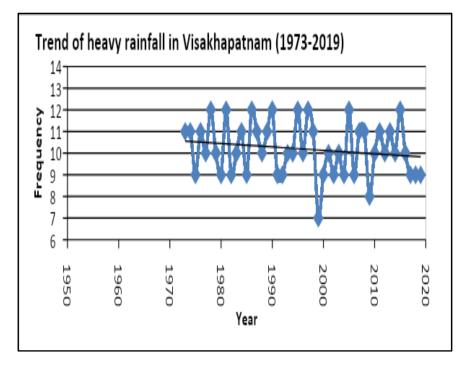


Fig 26: Heavy rainfall pattern over Visakhapatnam

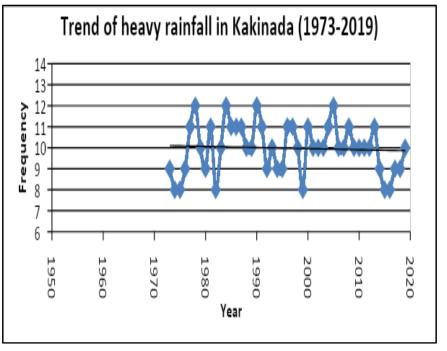


Fig 27: Heavy rainfall pattern over Kakinada

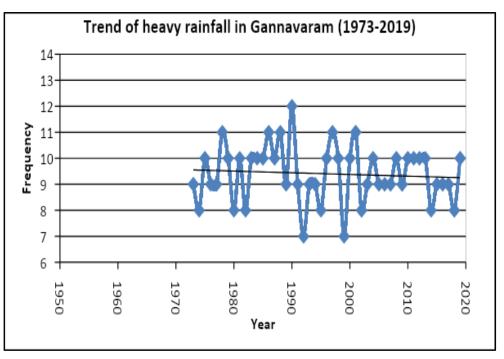


Fig 28: Heavy rainfall pattern over Gannavaram

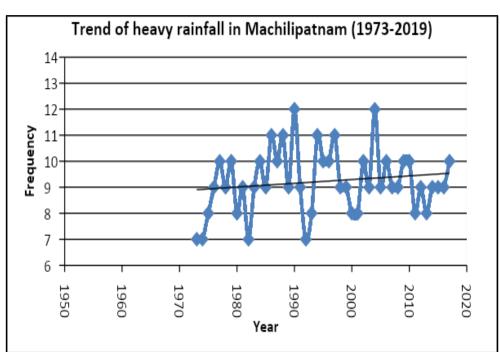


Fig 29: Heavy rainfall pattern over Machilipatnam

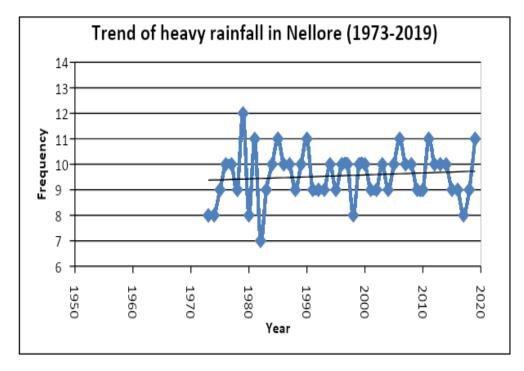


Fig 30: Heavy rainfall pattern over Nellore

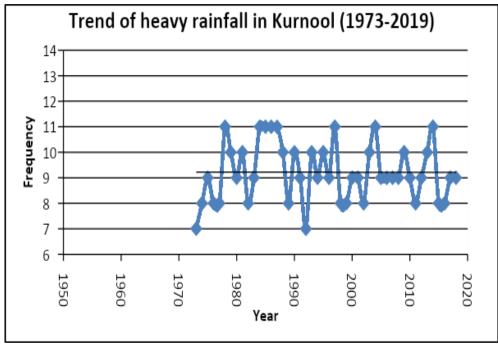


Fig 31: Heavy rainfall pattern over Kurnool

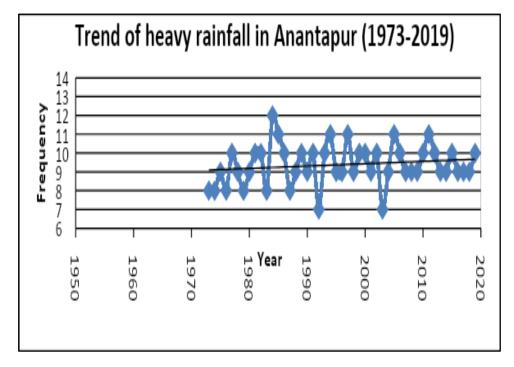


Fig 32:Heavy rainfall pattern over Anantapur

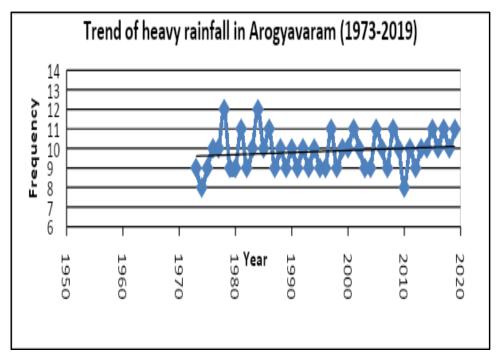


Fig 33: Heavy rainfall pattern over Arogyavaram

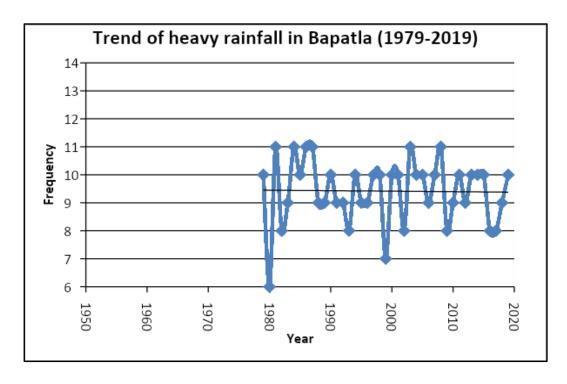


Fig 34:Heavy rainfall pattern over Bapatla

The increasing and decreasing trend of rainfall of all 10 stations are shown in fig. 35. There are two met sub-divisions namely, Rayalaseema and Coastal Andhra Pradesh bifurcated the state which covers the whole area of the state. Out of 3 stations in Rayalaseema met sub-division, 2 stations are showing increasing trend whereas out of 7 stations in Coastal Andhra Pradesh met sub-division 4 stations are showing a decreasing trend.

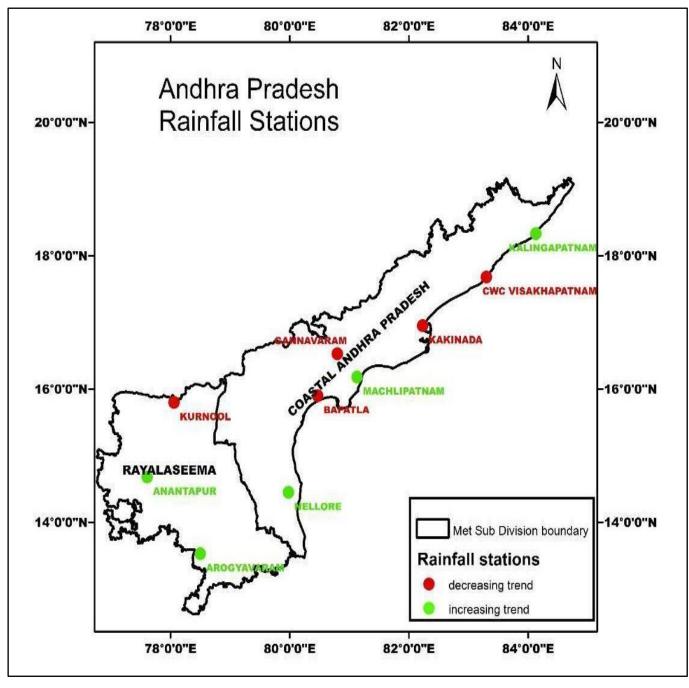


Fig 35: Increasing/decreasing trend of rainfall over the stations

2.3 ROLE OF CWC IN FLOOD MONITORING

2.3.1 FLOOD FORECASTING NETWORK IN ANDHRA PRADESH

Different measures have been adopted to reduce flood losses and provide reasonable protection against floods. Depending upon the nature of work, flood protection and flood management measures are broadly classified as under:

- (a) Engineering / Structural Measures
- (b) Administrative / Non-Structural Measures

Structural measures include the construction of dams, embankments, drainage improvement etc. these structural measures are planned & executed by the State Government in prioritised manner.

Non-structural measures include early flood warning and flood forecasting, flood plain zoning etc.

Flood Forecasting in Andhra Pradesh

Central Water Commission (CWC) is maintaining 20 (10 Level and 10 Inflow) Forecast Stations in Andhra Pradesh in basins of Vamsadhara, Nagavali, Godavari, Krishna and Pennar Basins. Almost all rivers are prone to floods in Andhra Pradesh as the State gets contributions from both South-West as well as North-East Monsoons and the period of flood season extends from 1st June to 31st October in Northern Coastal Andhra Pradesh, Godavari and Krishna. South of Krishna, the flood season further extends upto 31st December every year.

CWC is maintaining Hydrological Observation (HO) Stations in almost all the rivers and tributaries within Andhra Pradesh and uses hydrological data of the upper riparian States such as Maharashtra, Odisha, Chhattisgarh, Telangana, Karnataka through which water enters Andhra Pradesh in various river systems. During the designated flood season, hourly water level observations are taken from the HO Stations maintained by CWC and these are used for the formulation of Level Forecast using Statistical correlation techniques.

Central Water Commission (CWC) is providing flood forecasts with lead times varying from 9 hours to 24 hours using Statistical models. Statistical models use correlation diagrams which are developed using historical data between upstream (Base Station) and downstream (Forecast Station). The various parameters such as varying travel time, rising and falling limb variations, the contribution from tributaries, and intervening catchment area rainfall are taken in various quadrants of graph sheet and a comprehensive correlation diagram is drawn. This will be used by the concerned Flood Forecasting center for real-time flood forecasting.

Inflow Forecasts are formulated by using upstream Stations, Stage vs. Discharge relations and correlating with the inflows coming into the reservoir. Effect of rainfall is added by developing a unit hydrograph (UG) for the intervening catchment rainfall contribution using point rainfall and converting them into areal rainfall as well as area of the intervening catchment to get the ordinates of the UG. The inflow forecast is used for the regulation of water from dams for conservational purposes as well as for storage in times of flood as per rule levels developed for the various projects in their Operational manuals.

After formulation of forecasts in the forecasting centers, these are disseminated to concerned user agencies that have requisitioned flood forecast (i.e., local State Governments/SDMA/DDMA of all districts/ Project Authorities) by the fastest means of communication such as e-mail, WhatsApp Groups etc. These are updated in the CWC's flood forecasting website also immediately and regular hourly trends of water level are also uploaded in the form of Hydrograph in the website for use by the General Public. Alerts through Common Alerting Protocol (CAP) using Google CAP alerts are also being done from 2015 onwards for use of general populace at large. Social Media such as Facebook and Twitter are also being used for the dissemination of such alerts from 2018 onwards.

A typical three-day hydrograph of Somasila Dam in CWC Flood Forecasting Website as of 12th November 2020 is shown in the figure 36. (Source: CWC)

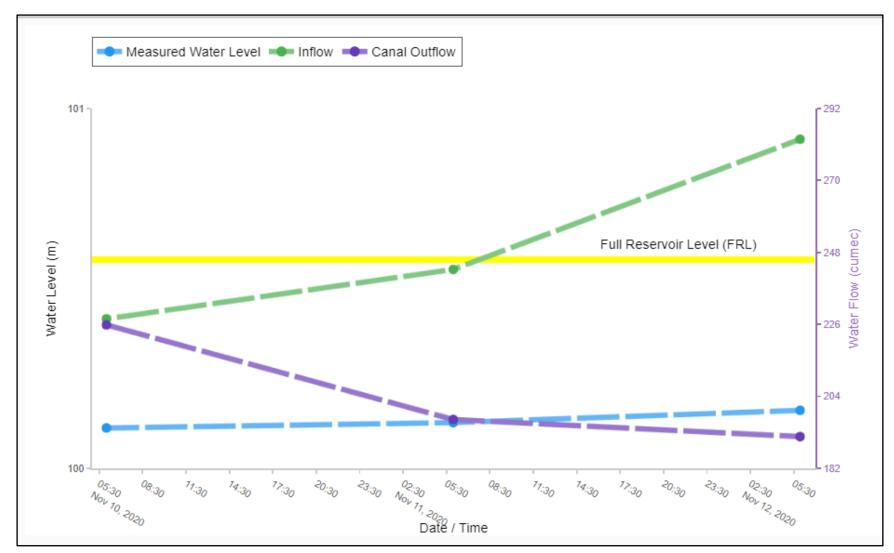


Fig 36: 3-day hydrograph of Somasila Dam in CWC Flood Forecasting Website as of 12th November 2020

Rainfall-Runoff-based 3-day advisories are also being formulated using near real-time rainfall being downloaded through IMD AWS/ARG as well as Satellite Rainfall estimates such as GPM/GSMAP etc. and the outputs of IMDGFS models being shared seamlessly by IMD with CWC. These models are developed in-house and use Mike-11 model for the formulation of forecasts which are updated every three hours using the latest available hydro-meteorological data. The results of these models are shared through a dedicated website.

A typical Inflow Forecast Advisory issued on 12th November 2020 for Somasila Dam in Nellore District is shown in figure 37.

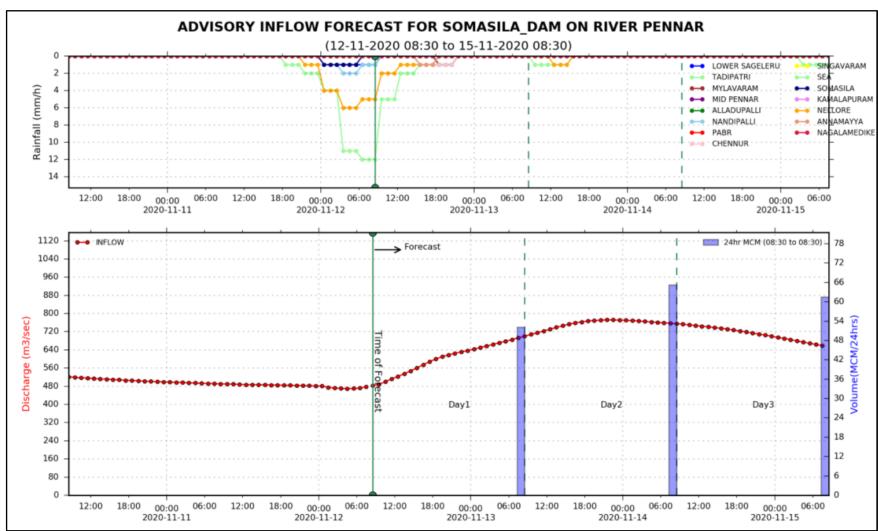


Fig 37: Forecast Advisory issued on 12th November 2020 for Somasila Dam in Nellore District

TABLE 11: LIST OF CWC MAINTAINED LEVEL FORECAST STATIONS IN AP

SI No	River	Flood Forecasting Station	District
		Level Forecast Stations	
1	Sabari	Chinturu	East Godavari
2	Godavari	Kunavaram	East Godavari
3	Godavari	Rajahmundry	East Godavari
4	Godavari	Dowlaiswaram	East Godavari
5	Tungabhadra	Mantralayam	Kurnool
6	Pennar	Nellore Anicut	Nellore
7	Godavari	Atreyapuram	East Godavari
8	Tungabhadra	Kurnool	Kurnool
9	Krishna	Avanigadda	Krishna
10	Nagavali	Srikakulam	Srikakulam
	ı	nflow Forecast Stations	
1	Vamsadhara	Gotta Barrage	Srikakulam
2	Krishna	Srisailam Dam	Kurnool
3	Godavari	Indirasagar Polavaram Project	West Godavari
4	Krishna	Prakasam Barrage (Vijayawada)	Krishna
5	Pennar	Somasila Dam	Nellore
6	Krishna	Dr K L R S Pulichintala Dam	Guntur
7	Tungabhadra	Sunkesula Barrage	Kurnool
8	Nagavali	Thottapalli Reservoir Scheme	Vizianagaram
9	Nagavali	Narayanapuram Anicut	Srikakulam
10	Suwarnamukhi	Madduvalasa Reservoir	Srikakulam

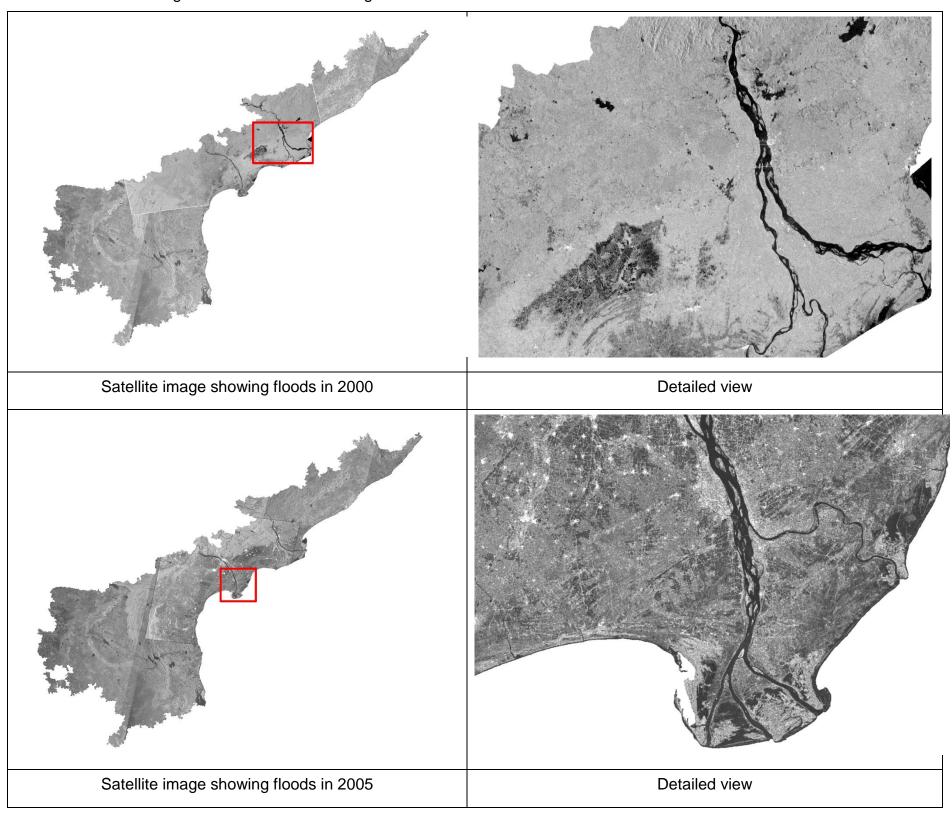
3.0 FLOOD HAZARD ZONATION USING SATELLITE REMOTE SENSING

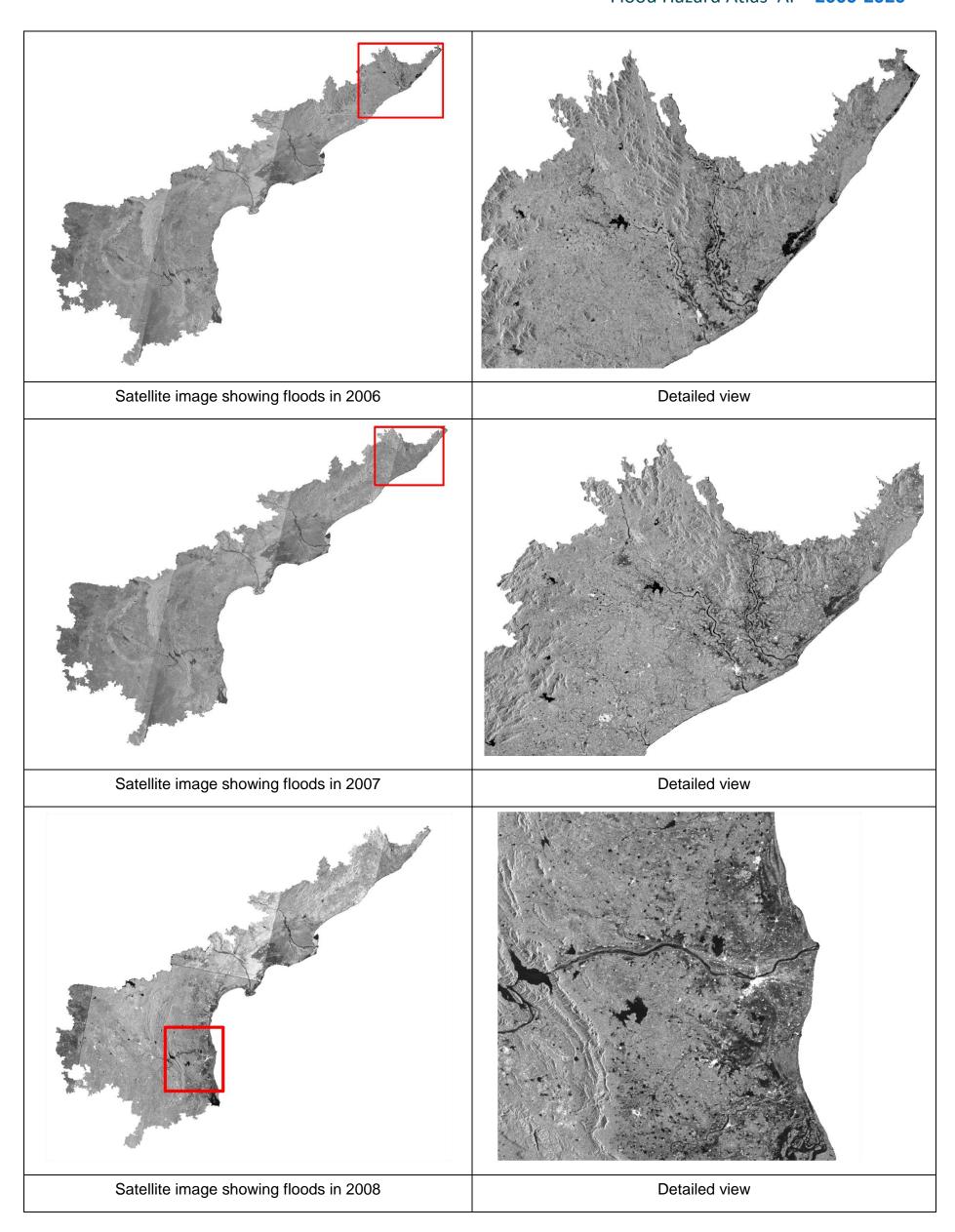
Since floodplains can be mapped, the boundary of the different return period flood is used in floodplain mitigation programs to identify areas where the risk of flooding is significant. Flood hazard maps are used to delineate areas of land which are at risk of flooding up to some extreme limit. Hazard maps show a flood boundary based on different magnitudes of floods with various specific return periods. These maps can be used to regulate developmental activities within the floodplain so that damages can be minimized. Satellite remote sensing from their vantage position has unambiguously demonstrated their capability in providing important information and services for flood disaster management. Satellites provide synoptic and frequent coverage of flood-affected areas and thus become valuable for monitoring flood disasters. Thus, satellite data can be directly used for deriving the flood inundation extent. If satellite data sets during flood times are available over a period of time for a floodplain, they can be conveniently used for hazard zone mapping. In addition, the latest land use/land cover, infrastructure, settlements, etc. can also be generated from satellite data.

3.1 SATELLITE DATA USED

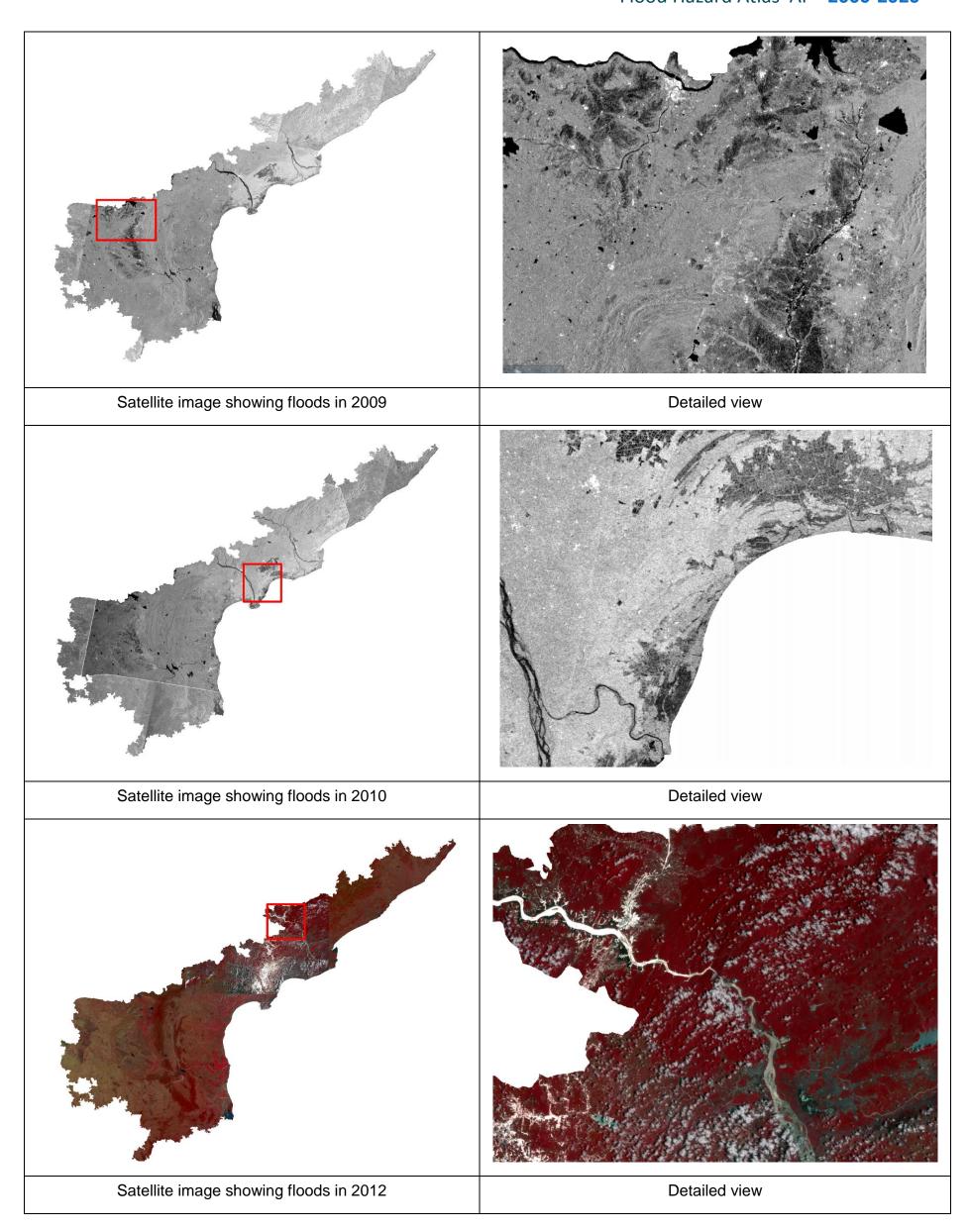
Satellite datasets were acquired from different satellites during floods over Andhra Pradesh State year after year. 79 satellite data sets are selected for flood hazard zoning spanning a period of 21 years, from 2000 to 2020. Some of the datasets cover full Andhra Pradesh and some cover part of the state. IRS, as well as Radarsat and Sentinel data is mostly used for this study. Figure 38 shows the satellite data used for the years 2000-2020 and the detailed view of the flood.

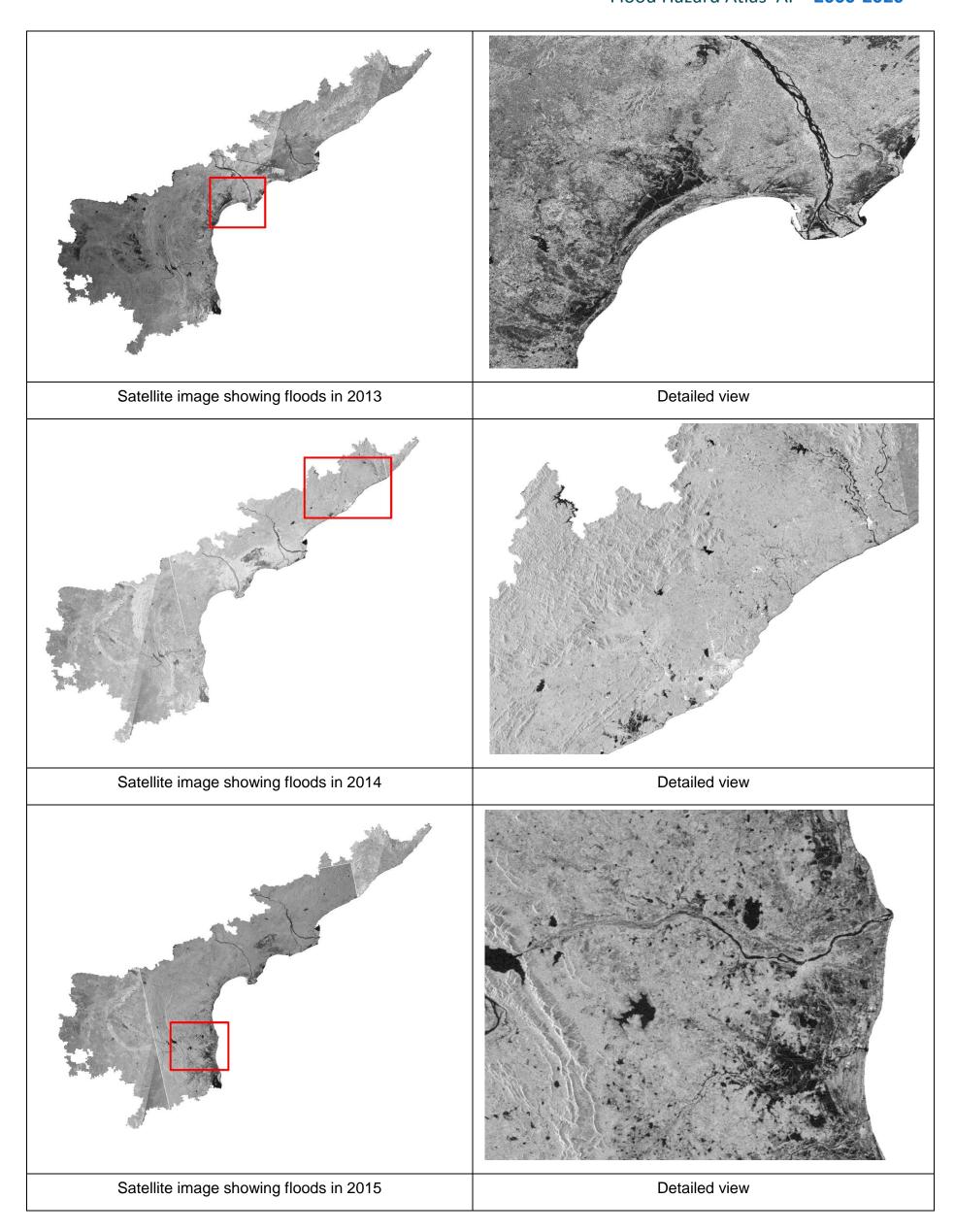
Fig. 38: Satellite data showing Flood Inundation in Andhra Pradesh state from 2000-2020



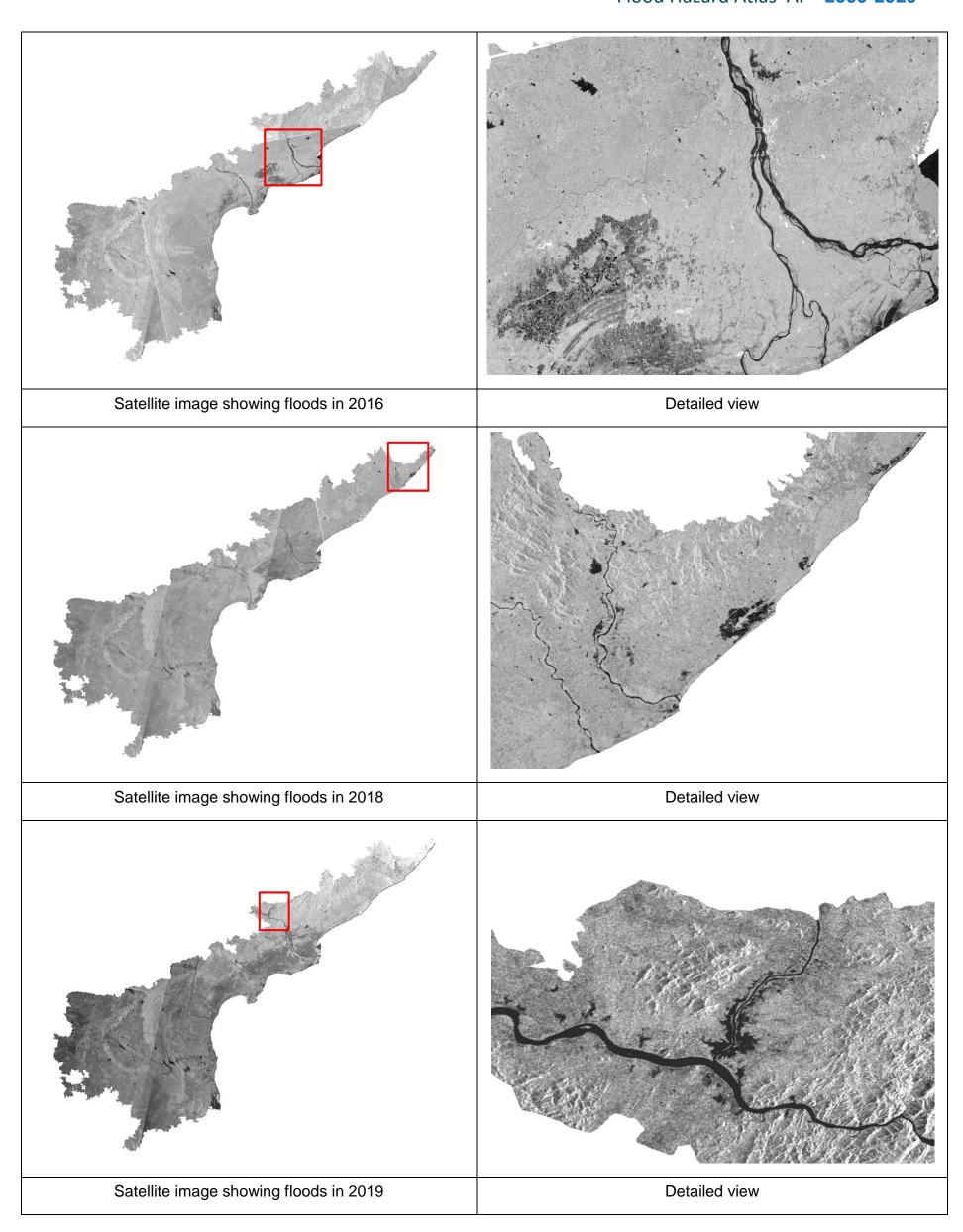


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Flood Hazard Atlas AP 2000-2020

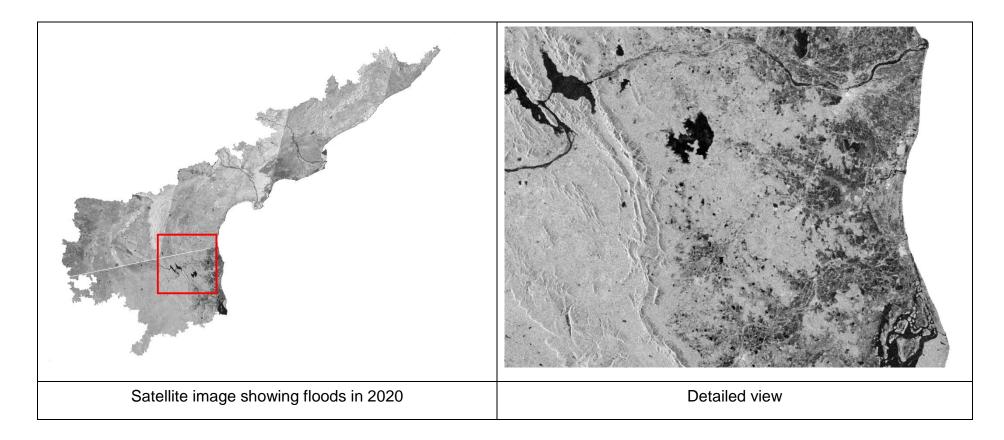


TABLE 12: LIST OF SA	TELLITE DATASETS USED	FOR FLOOD MAPPING
	2000	
SI No	Date	Satellite/Sensor
1	01 Sep 2000	Radarsat SAR
	2005	
SI No	Date	Satellite/Sensor
1	12 Aug 2005	Radarsat SAR
2	22 Sep 2005	Radarsat SAR
3	23 Sep 2005	Radarsat SAR
	2006	
SI No	Date	Satellite/Sensor
1	07 Aug 2006	Radarsat SAR
2	14 Aug 2006	Radarsat SAR
	2007	
SI No	Date	Satellite/sensor
1	25 Jun 2007	Radarsat SAR
2	29 Jun 2007	Radarsat SAR
3	31 Oct 2007	Radarsat SAR
	2008	
SI No	Date	Satellite/sensor
1	07 Aug 2008	Radarsat SAR
2	12 Aug 2008	Radarsat 2 SAR
3	13 Aug 2008	Resourcesat 1 AWiFS
4	18 Sep 2008	Radarsat SAR
5	29 Nov 2008	Radarsat 2 SAR
	2009	
SI No	Date	Satellite/sensor
1	04 Oct 2009	Resourcesat 1 AWiFS
2	05 Oct 2009	Resourcesat 1 AWiFS
3	07 Oct 2009	Radarsat 2 SAR
4	10 Nov 2009	Radarsat 2 SAR
	2010	
SI No	Date	Satellite/sensor
1	21 May 2010	Radarsat 1 SAR
2	22 May 2010	Radarsat 2 SAR
3	07 Aug 2010	Radarsat 2 SAR
4	08 Aug & 09 Aug 2010	Radarsat 2 & Resourcesat 1 AWiFS

5	10 Aug 2010	Radarsat 1 SAR
6	08 Sep 2010	Radarsat 2 SAR
7	02 Nov 2010	Radarsat 2 SAR
8	07 Dec 2010	Radarsat 2 SAR
	2012	
SI No	Date	Satellite/sensor
1	01 Nov 2012	Radarsat 2 SAR
2	02 Nov 2012	Radarsat 2 SAR
3	05 Nov 2012	Radarsat 2 SAR
4	06 Nov 2012	Radarsat 2 SAR
	2013	
SI No	Date	Satellite/sensor
1	20 Jul 2013	Radarsat 2 SAR
2	21 Jul 2013	Radarsat 2 SAR
3	23 Jul 2013	Radarsat 2 SAR
4	24 Jul 2013	Radarsat 2 SAR
5	26 Jul 2013	RISAT 1 SAR
6	02 Aug 2013	Radarsat 2 SAR
7	06 Aug 2013	Radarsat 2 SAR
8	24 Oct 2013	RISAT 1 SAR
9	27 Oct 2013	RISAT 1 SAR & Radarsat 2 SAR
10	28 Oct 2013	RISAT 1 SAR
	2014	
SI No	Date	Satellite/sensor
1	12 Oct 2014	RISAT 1 SAR
2	13 Oct 2014	RISAT 2 SAR & Resourcesat 2 AWiFS
3	13 Oct 2014	RISAT 1 SAR & Radarsat 2 SAR
4	14 Oct 2014	Radarsat 2 SAR
5	14 Oct 2014	Radarsat 2 SAR
6	15 Oct 2014	Resourcesat 2 AWiFS
7	15 Oct 2014	RISAT 2 SAR
	2015	
SI No	Date	Satellite/sensor
1	11 Nov 2015	Radarsat 2 SAR
2	17 Nov 2015	Radarsat 2 SAR
3	18 Nov 2015	Radarsat 2 SAR
4	22 Nov 2015	RISAT 1 SAR

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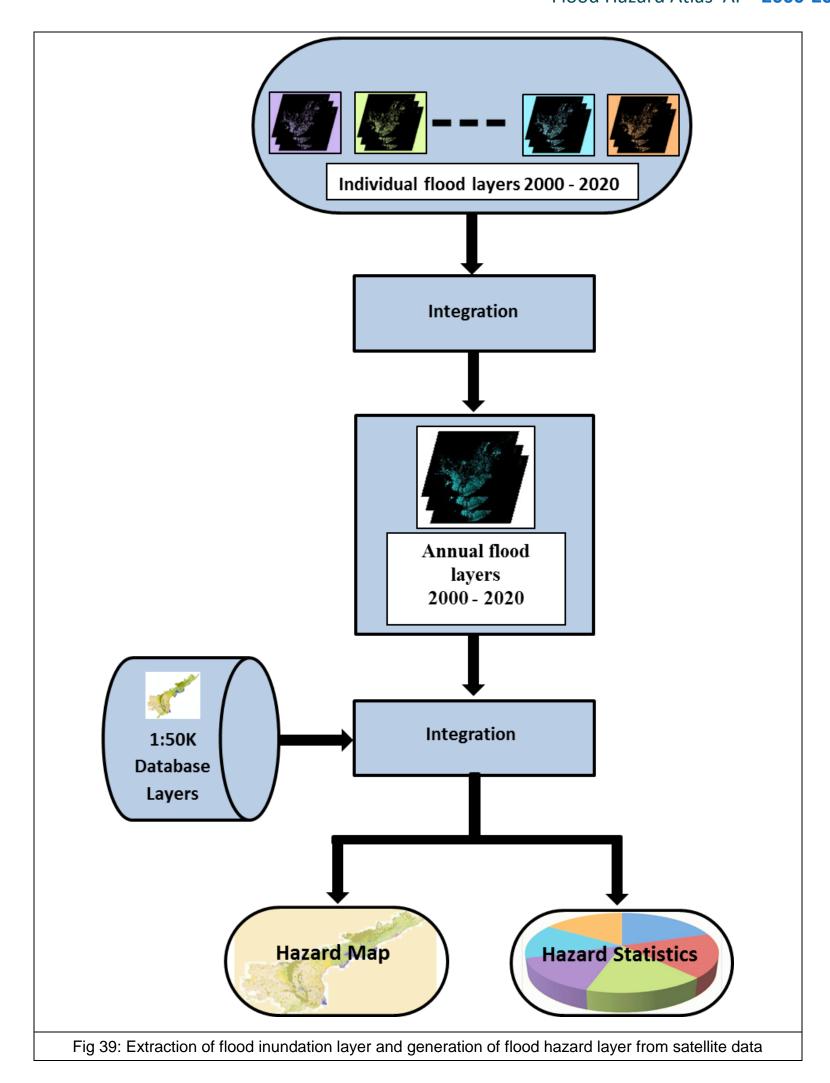
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3.2 BROAD METHODOLOGY

In this attempt, a large number of satellite images covering the Andhra Pradesh region during all the flood events that occurred during the last 21 years (2000-2020) were used. All satellite data sets were analyzed and flood layers were extracted. All the flood layers corresponding to a year are combined as one inundation layer so that this layer represents the maximum flooded area in a year. All such combined flood layers for 21 years were integrated into the flood hazard layer representing the observed flood inundated areas with different frequencies. This layer was integrated with the digital database layers of Andhra Pradesh. The flood inundation represented in different colours indicates varying frequencies as observed from 2000 to 2020. The road and railway lines are shown to indicate the probable frequency of flooding they are subjected to. The normal river course and water bodies are also shown in the map. Similarly, the layer was also integrated with digital database layers of different districts; these layers include road, rail, village, etc. The details of each of the elements subjected to flooding were given district-wise in the following units. Generation of the Flood hazard zones was done based on the analysis of multi-temporal satellite data acquired during the floods of 2000-2020. The broad methodology involved in preparation of flood hazard atlas of Andhra Pradesh is shown in fig. 39

Following are the major steps involved in the preparation of flood hazard zonation maps

- Satellite data Acquisition: Satellite data from Indian Remote Sensing Satellites (IRS) and foreign satellite data (Optical & Microwave) was acquired during the floods in Andhra Pradesh since 2000. The water levels observed at different gauge stations were closely monitored during floods and attempts were made to program the satellite data during near peak situations. Satellite data was also programmed and procured during the progression and recession of the flood wave for studying the impact of the flood.
- Rectification: The acquired satellite datasets were rectified to a defined projection system for integration with database layers.
- **Flood inundation layer**: Using image processing classification algorithms, the water layer was extracted from the satellite data and integrated with the pre-flood river and water bodies layer to derive the flood inundation layer.
- Annual Flood Layer: The flood inundation layers generated for different flood waves in a calendar year were integrated to generate the maximum flood inundation extent observed in that year.
- Hazard layer: The maximum flood inundation layers corresponding to various years (2000-2020) were integrated for assessing
 the frequency of inundation and subsequent generation of hazard layer. Figure 39 shows the methodology for the generation of
 flood hazard layer.
- Database integration: The hazard layer was further integrated with the database consisting of administrative boundaries, land use/landcover, infrastructure, etc. for impact assessment and statistics generation.
- Map Composition: Flood hazard maps were composed at State, District and Detailed levels comprising of base details and hazard layer.



3.3 FLOOD HAZARD ZONATION SCHEMA

Twenty one years of satellite data were used for deriving the flood hazard layer. The hazard layer demarcates areas in terms of the number of flood events that occurred in that area during the last 21 years. The flood hazard has been classified into various categories based on the clasification schema suggested by the expert committee constituted by the National Disaster Management Authority (NDMA) to be followed homogeneously across all the states in the country. Based on the frequency of inundation Very Low category indicates the areas, which are inundated once or twice during the 21-year period. Similarly, Low indicates three to five times, Moderate indicates six to ten times.

To facilitate better visualization, colour coding scheme has been adopted for different hazard zones (Table-13).

TABLE 13: FLOOD HAZARD ZONATION SCHEMA

SI No	Flood Hazard Classification	Colour coding scheme	Number of times per year, the area was subject to flood inundation during 2000-2020
1	Very Low		1-2 times
2	Low		3-5 times
3	Moderate		6-10 times

4.0 OBSERVATIONS

4.1 FLOOD HAZARD ZONES

datasets, acquired during the floods of 2000-2020, the flood hazard layer was derived and the map created. Figure 40 shows the flood hazard map shows the flood hazard area computed under various categories. prepared for Andhra Pradesh. Table 14 Based on the analysis of 79 satellite

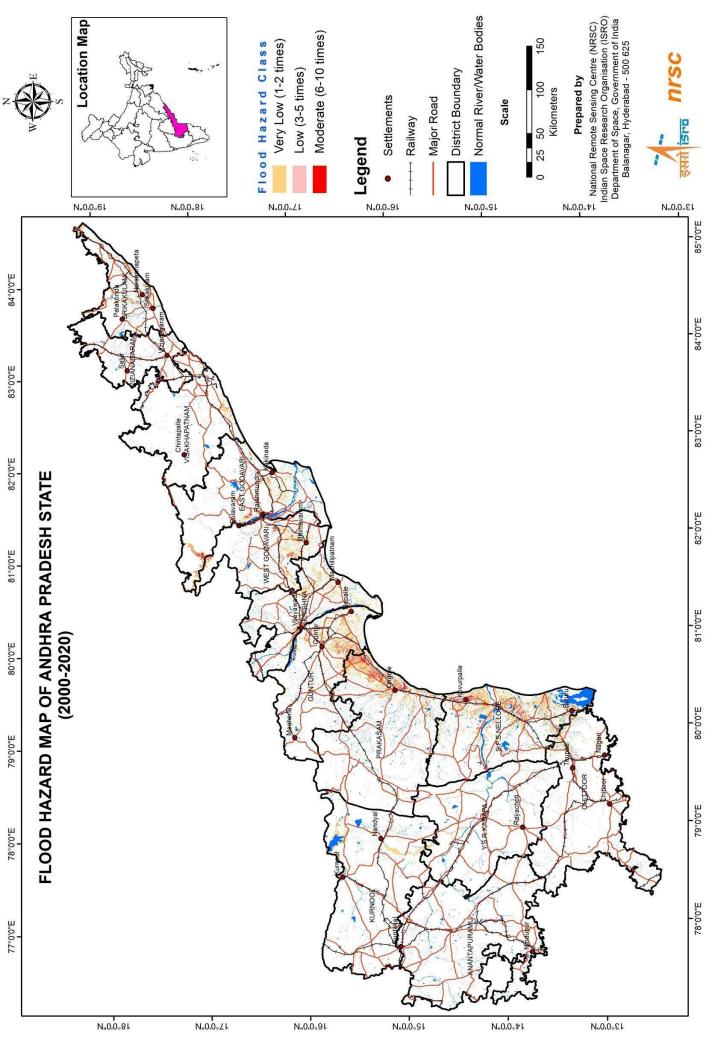


Fig 40: Flood Hazard layer of AP (2000-2020)

The observations made from the flood hazard analysis are given below:

It is observed that about 4.91% (7.88 lakh hectares) of land in AP state is affected by flood during 2000-2020 out of the total state geographical area 1.60205crore hectares (Table 14).

Out of total 7.88 lakh hectares of flood-affected area, about 5.80 lakh hectares of land falls under very low (inundated 1 or 2 times), 1.83 lakh hectares under low (inundated 3-5 times) and 23,609 hectares under moderate (inundated 6-10 times) flood hazard categories. Figure 41 shows the percentage distribution of the flood hazard area under different categories with respect to the total flood hazard area.

TABLE 14: FLOOD HAZARD AREA UNDER VARIOUS CATEGORIES

SI. No	Hazard Severity	Flood Hazard Area (ha)	% Flood Hazard (wrt State Geographic Area)	% Flood Hazard (wrt Total Flood Hazard Area)
1	Very Low	580709	3.62	73.68
2	Low	183777	1.15	23.32
3	Moderate	23609	0.14	3.00
	TOTAL	788095	4.91	100

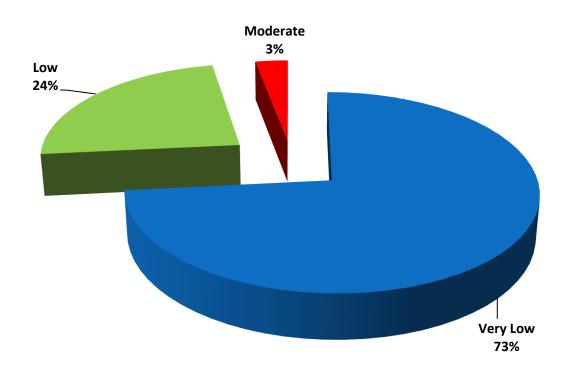


Fig 41: Percentage of various hazard categories with respect to total flood hazard area of the state

Annexure-1 shows district-wise flood hazard maps and statistics for Andhra Pradesh.

4.2 CROPPED AREA INUNDATED BY FLOODING

The cropped area (consisting of Kharif, double/triple crop categories) was extracted from the land use/land cover information (generated under ISRO-NRC project using 2018-19 satellite data) and integrated with the various flood hazard categories. District-wise crop area under each flood hazard category has been computed. From the district-wise cropped area in different flood hazard zones, it can be observed that about 5.5 lakh hectares of cropped area is under various categories of flood hazard. Out of which about 4.33 lakh hectares of land fall under very low, 1.07 Lakh hectares under low and 8,813 hectares under the moderate flood hazard category. District-wise details of cropped areas in different flood hazard zone are given in Table 15. Nellore, Prakasam and Guntur districts have the maximum cropped area affected by flood in the years 2000-2020.

TABLE 15: DISTRICT-WISE CROPPED AREA (IN HECTARES) IN DIFFERENT FLOOD HAZARD ZONES

District	Very Low	Low	Moderate	Total
CHITTOOR	3560	12000	0	15560
EAST GODAVARI	34317	11153	2589	48059
GUNTUR	83331	16565	408	100274
KRISHNA	37640	1422	0	39062
KURNOOL	27370	2	0	27372
PRAKASAM	70565	30900	3758	105223
S.P.S.NELLORE	99766	23727	1848	125341
SRIKAKULAM	24106	3020	0	27126
VISAKHAPATNAM	7733	1065	0	8798
VIZIANAGARAM	668	0	0	668
WEST GODAVARI	38471	7826	210	46507
Y.S.R. KADAPA	5758	0	0	5758
TOTAL	433285	107650	8813	549748

4.3 GROUND VALIDATION

Ground Validation is a vital process before the product is used by the end-user. The flood hazard map, District, Block and villages under different flood hazard categories were provided to Andhra Pradesh State Disaster Management Authority, Government of Andhra Pradesh for ground validation of flood hazard atlas prepared using historical satellite data.

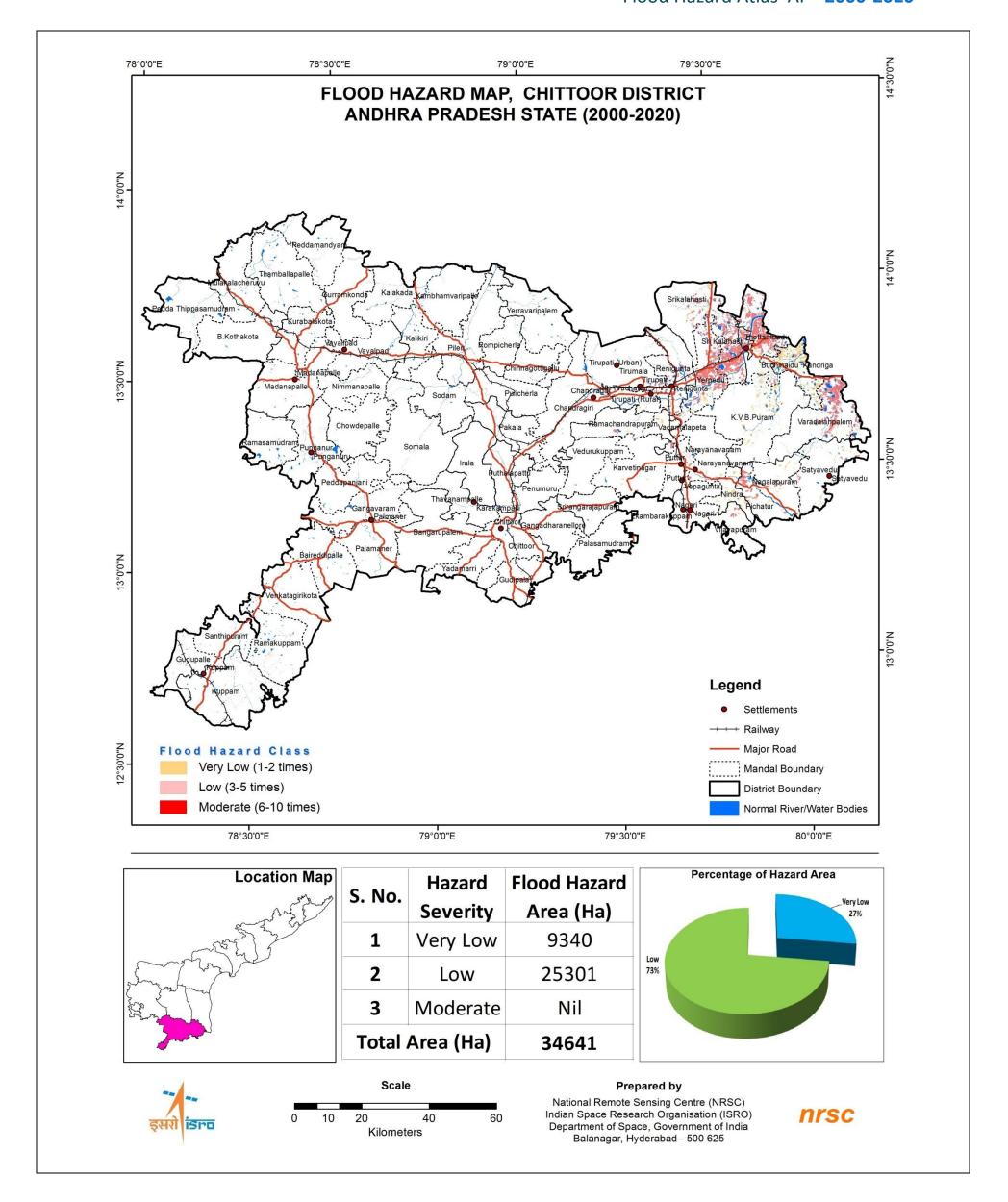
APSDMA further distributed maps, statistics and atlas to the district officials, revenue officers and village level officers. The report has been validated by using various records, field observations and the local authorities. Minor suggestions/modifications provided by APSDMA officials based on the ground report are incorporated in the flood hazard atlas and accordingly in the district level maps.

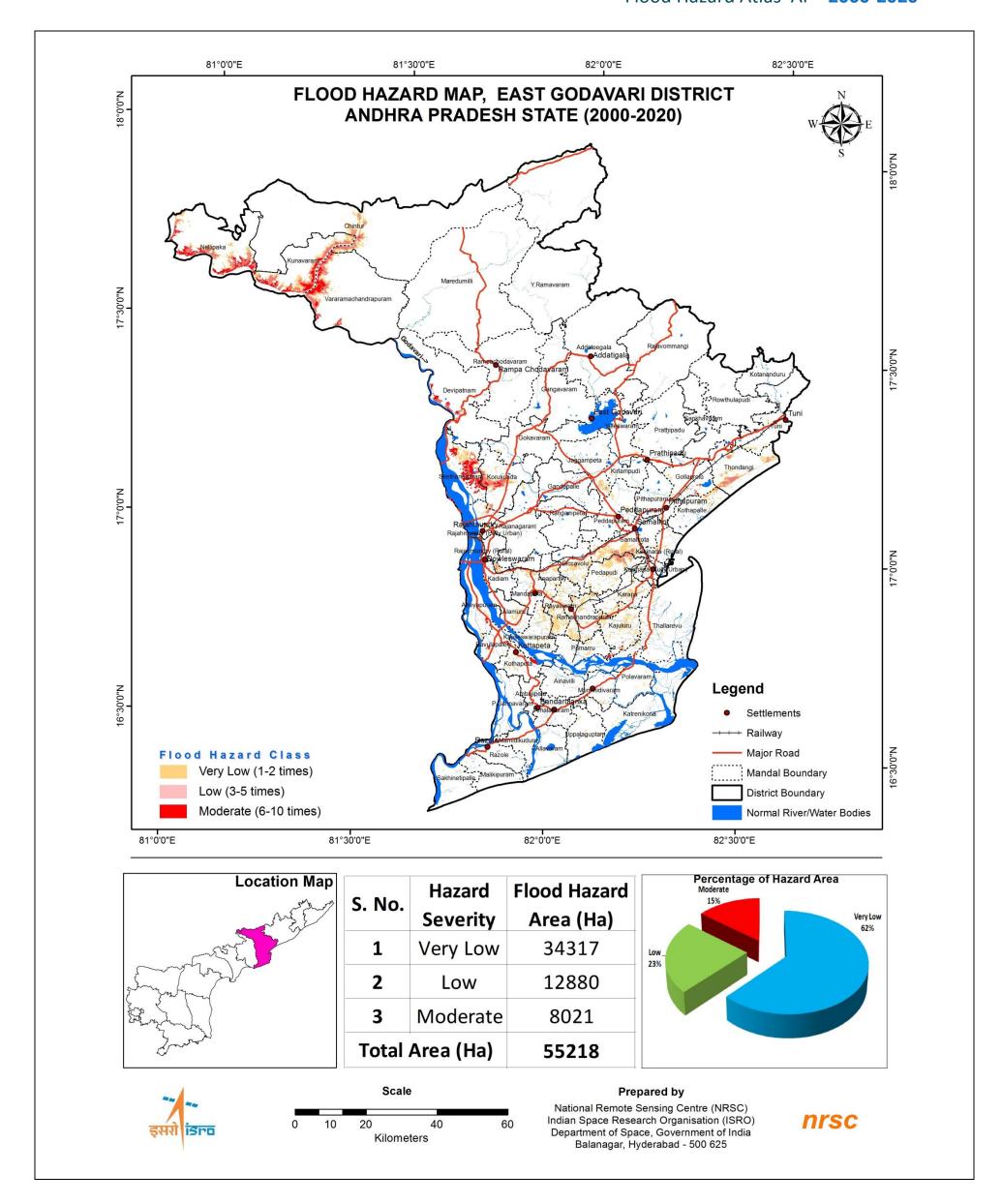
4.4 LIMITATIONS

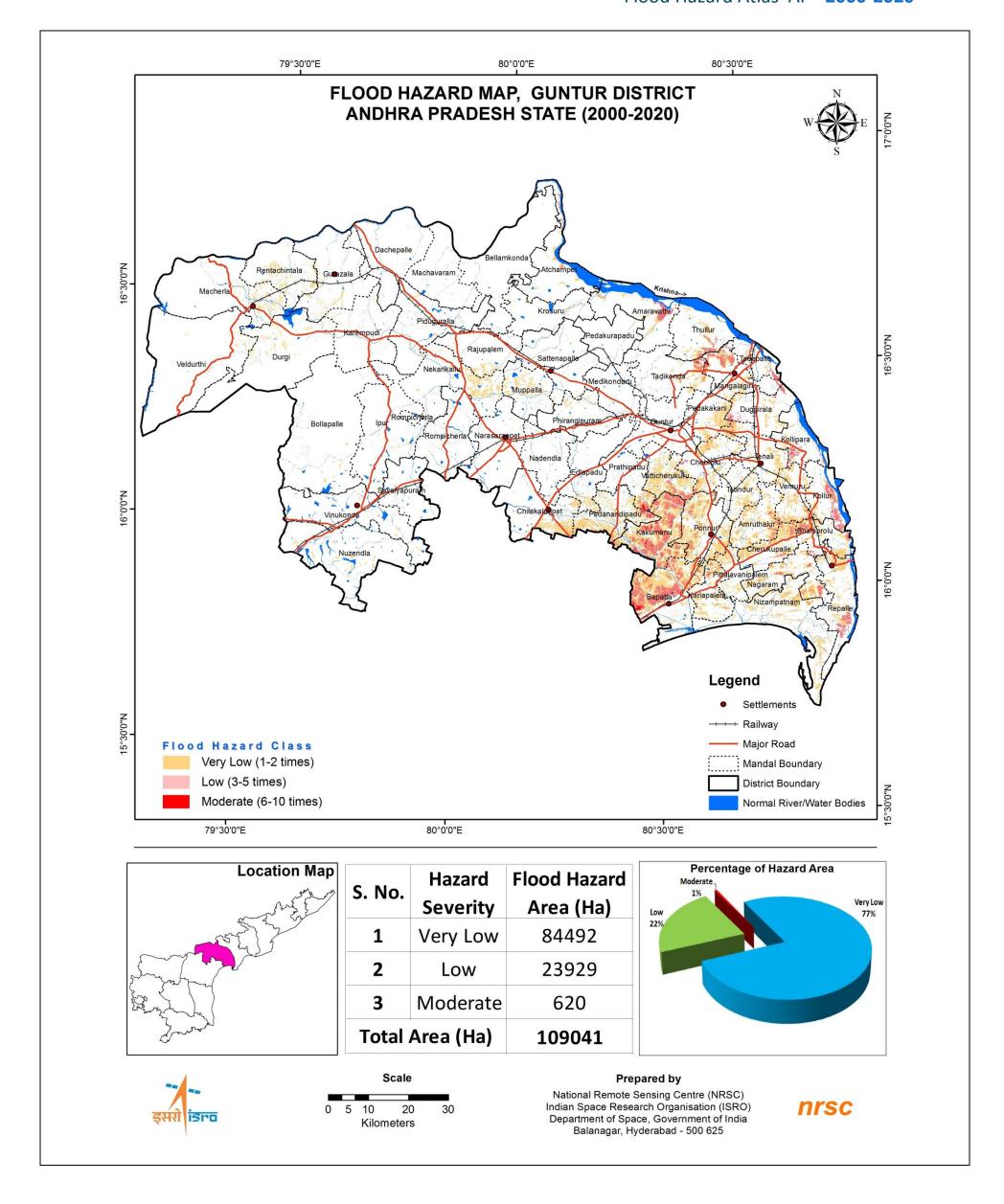
The flood hazard zonation was carried out with available satellite data at NRSC. Flood layers derived for preparation of flood hazard atals is dependent of the satellite coverage and pass. Hence, it may not correspond to peak flooding in all cases. Localised flood and flash floods, floods under high density vegetation may not have been captured at times. Observed flood inundation may include flooding due to cyclonic rainfall and also due to rainwater accumulation in coastal areas and low-lying areas. Crop area affected by flooding is derived using LULC of 2018-19. Since the annual dynamics of LULC have not been considered, the statistics of crop area affected by floods is approximate.

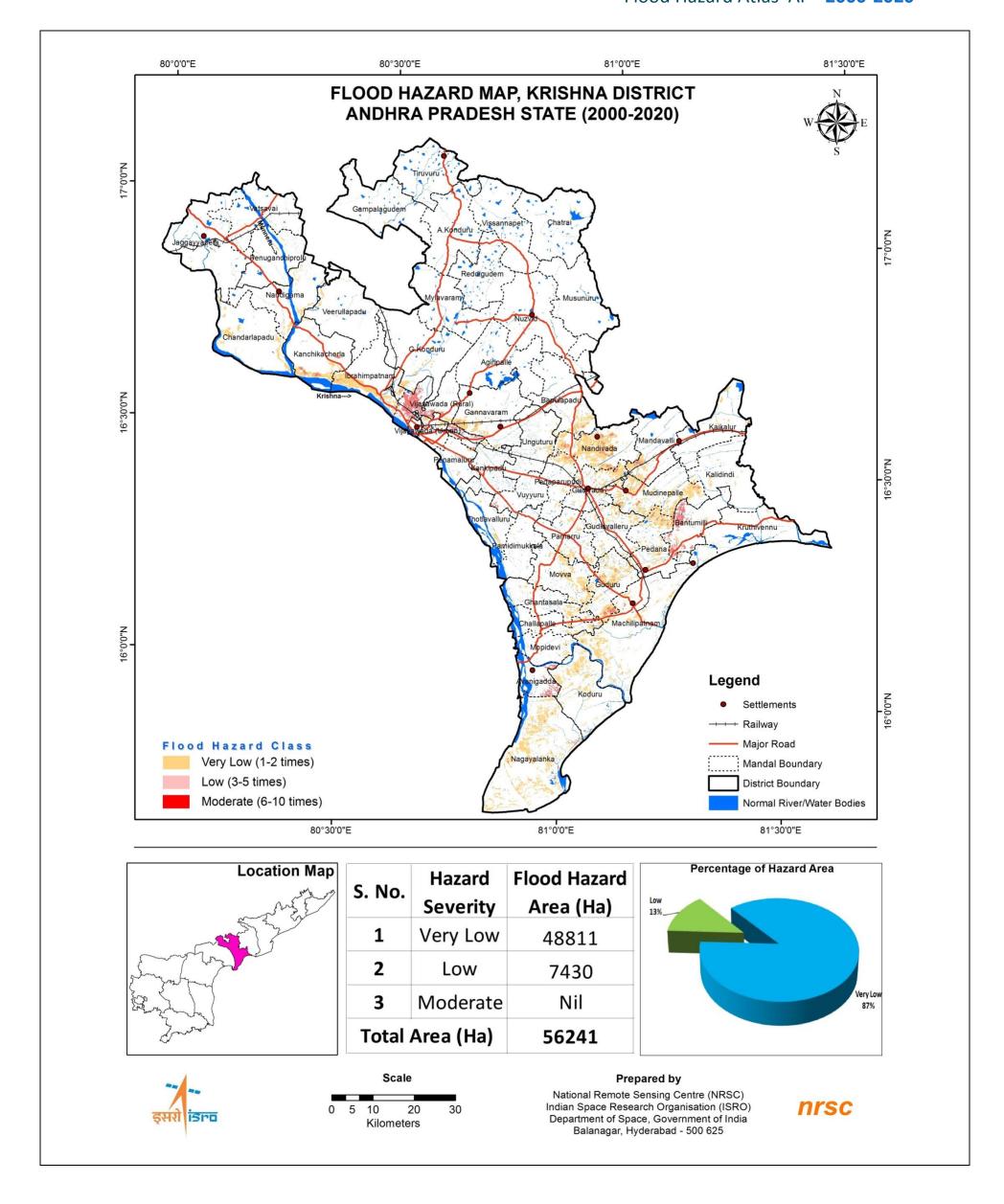
Annexure-1: District-wise flood hazard maps and statistics for Andhra Pradesh.

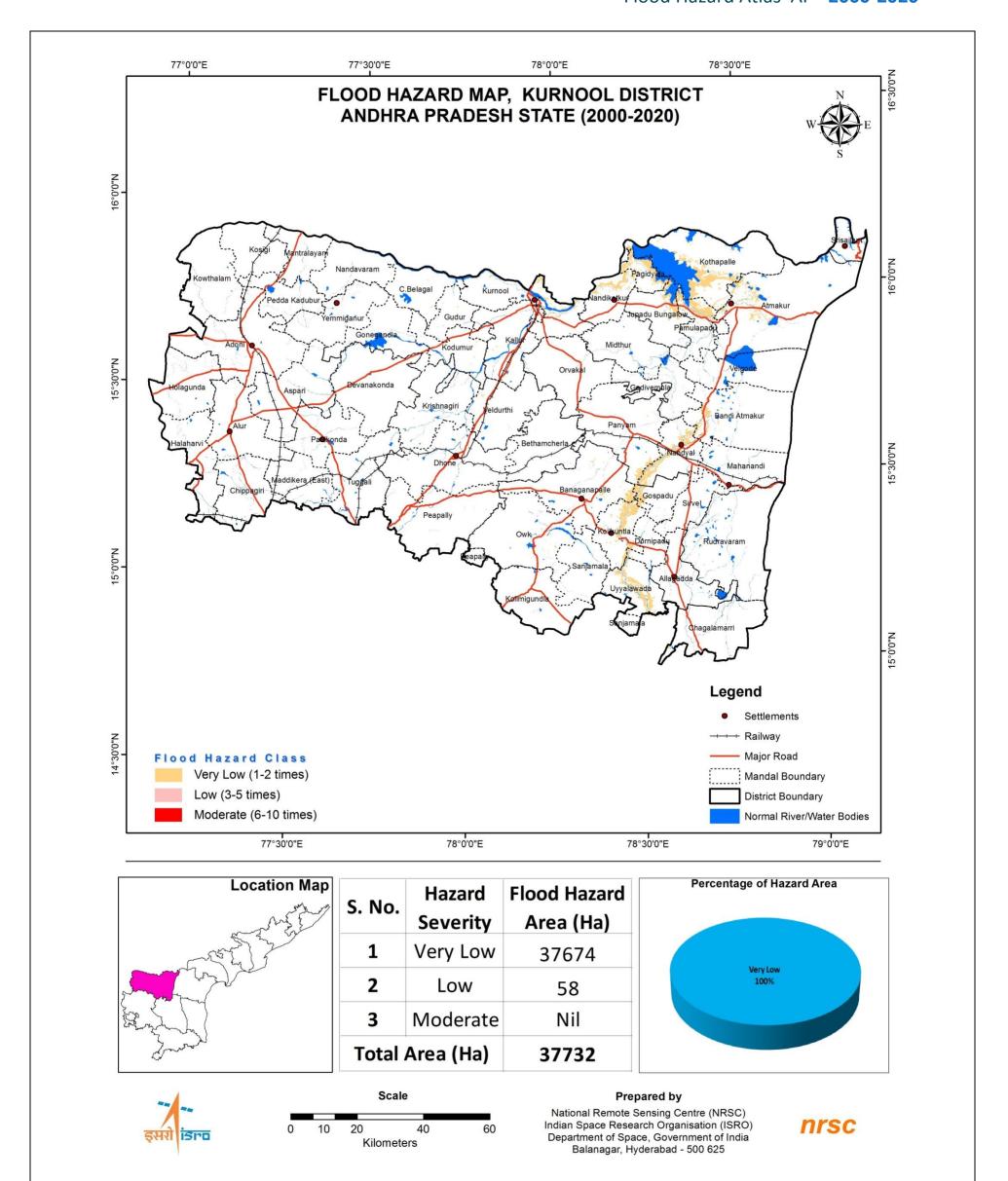
Flood Hazard Atlas AP 2000-2020

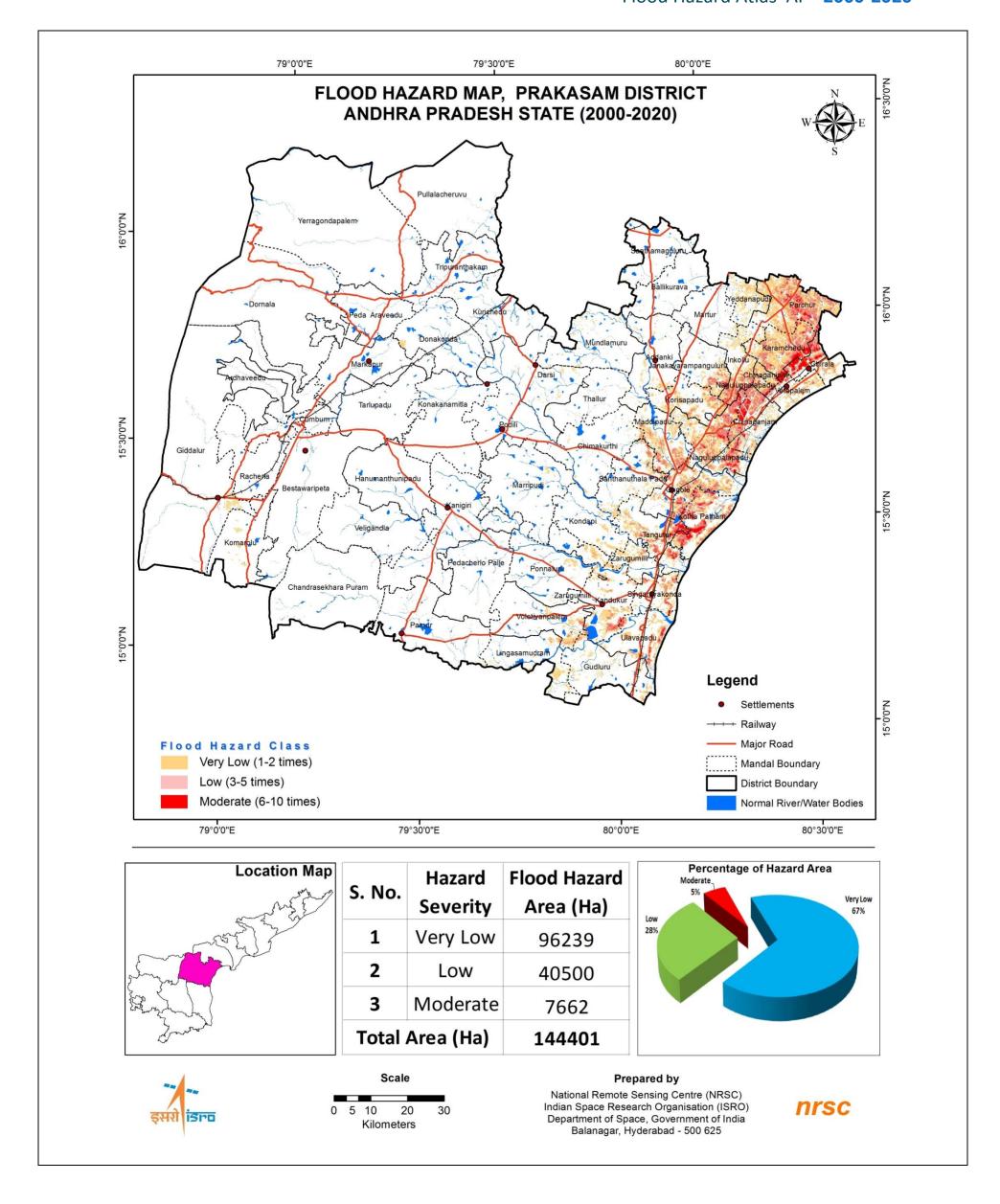


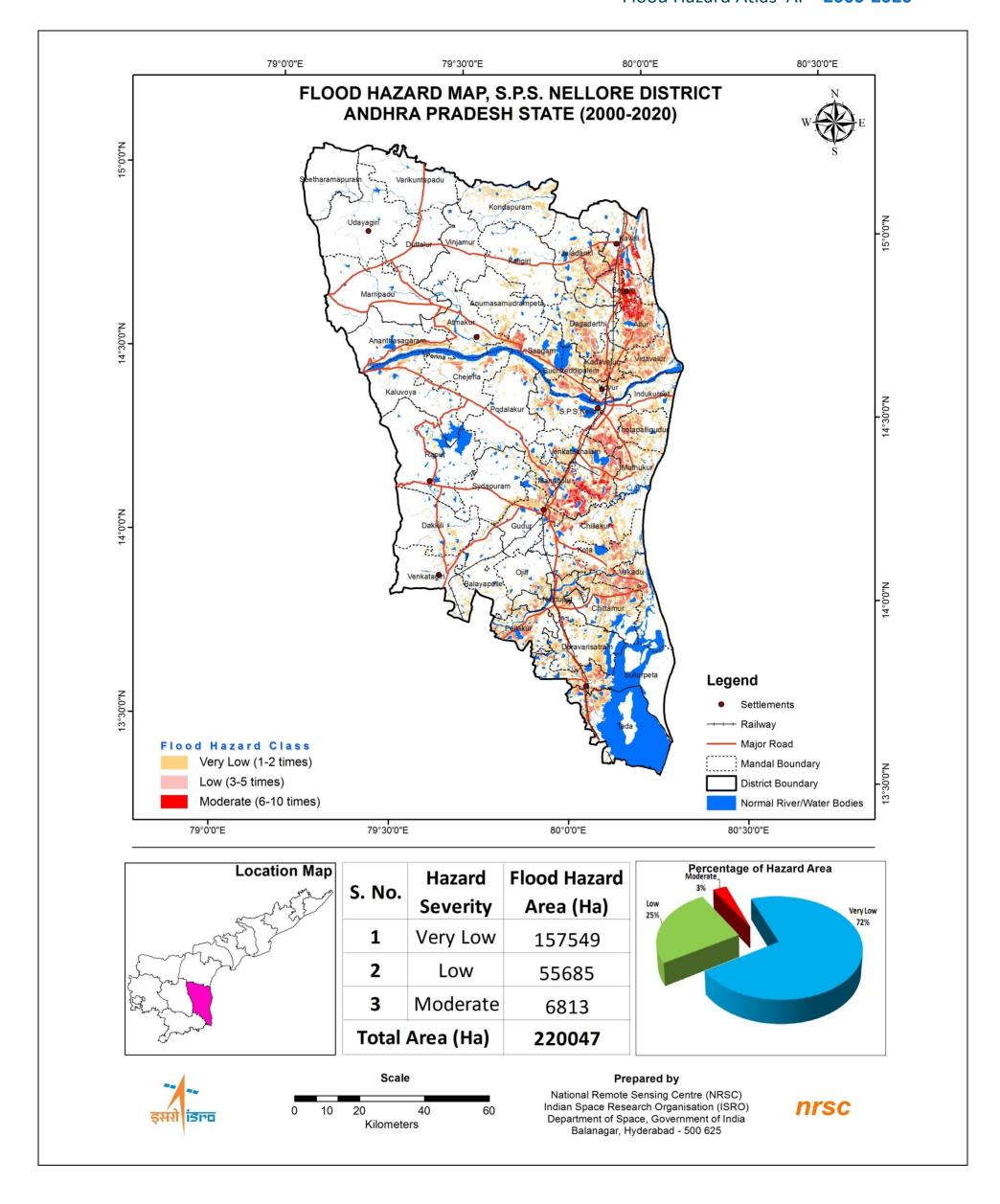


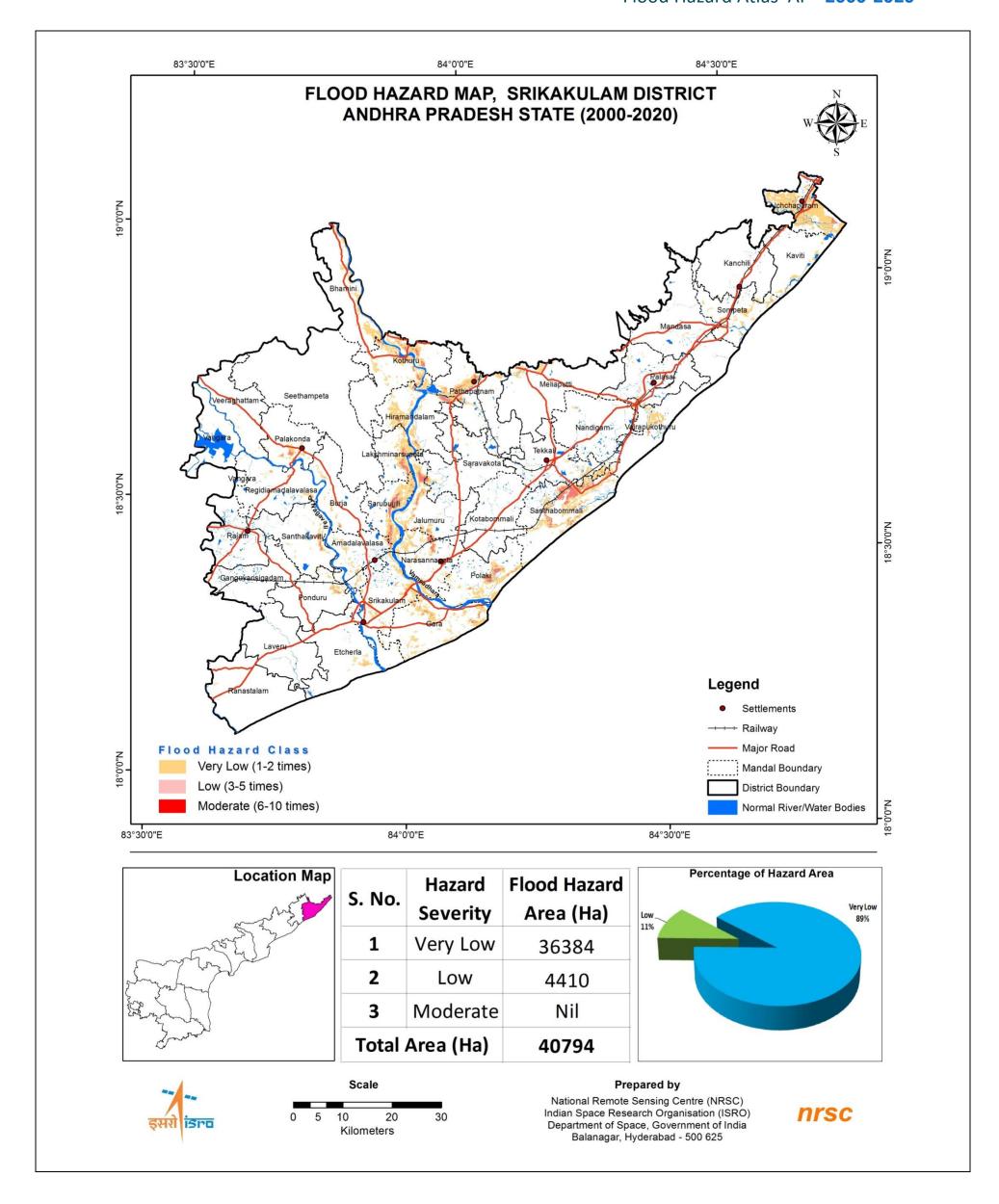


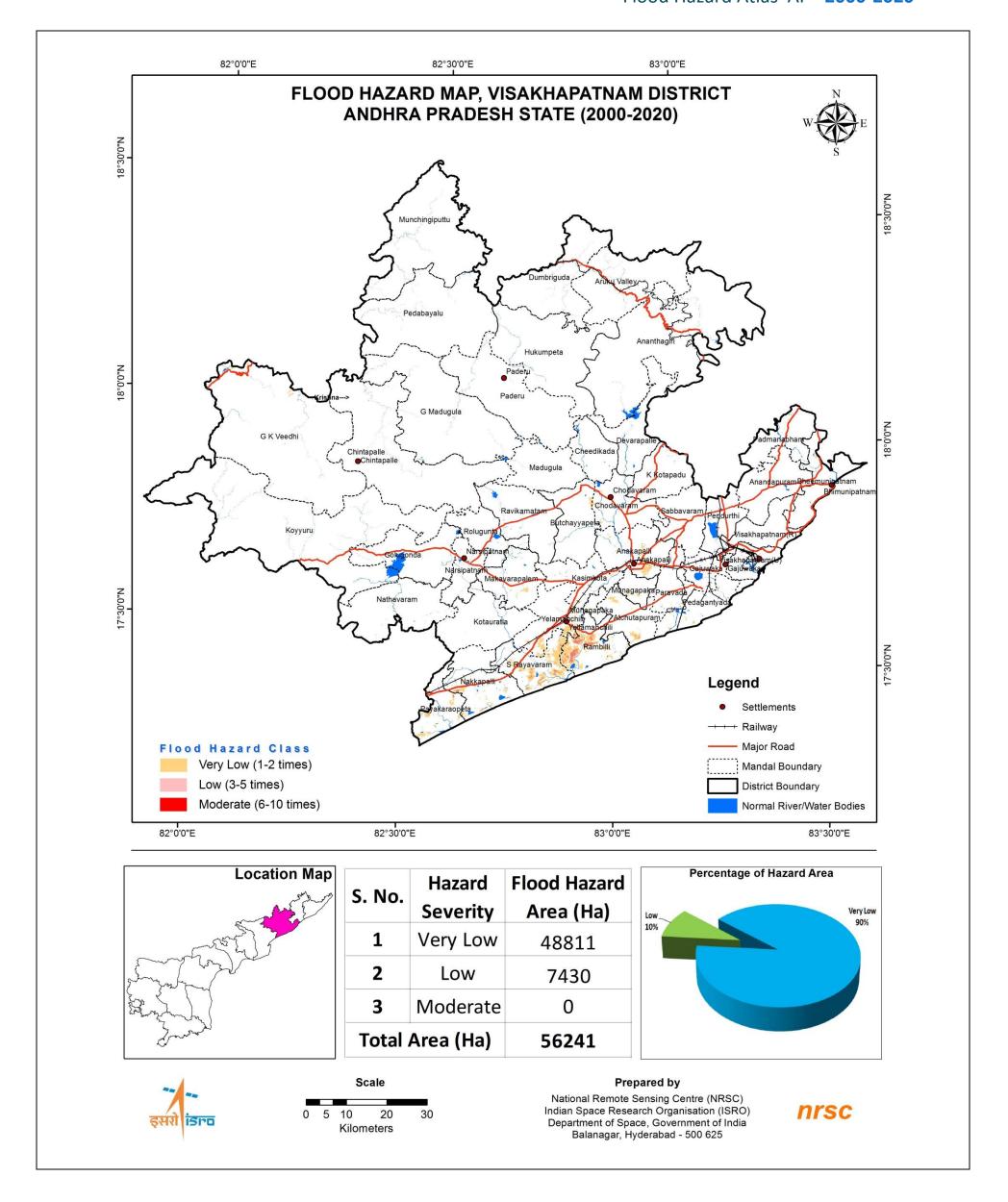


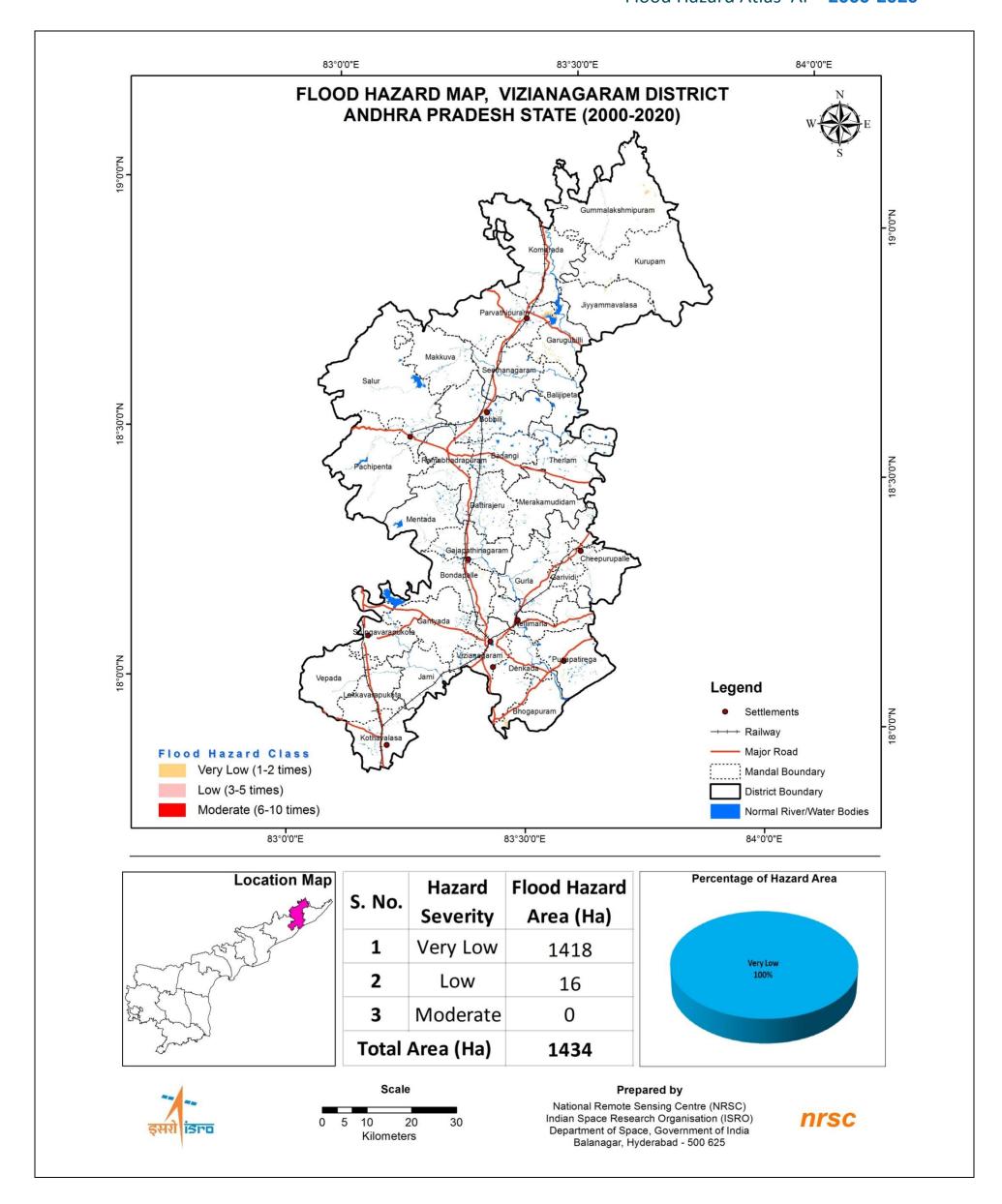


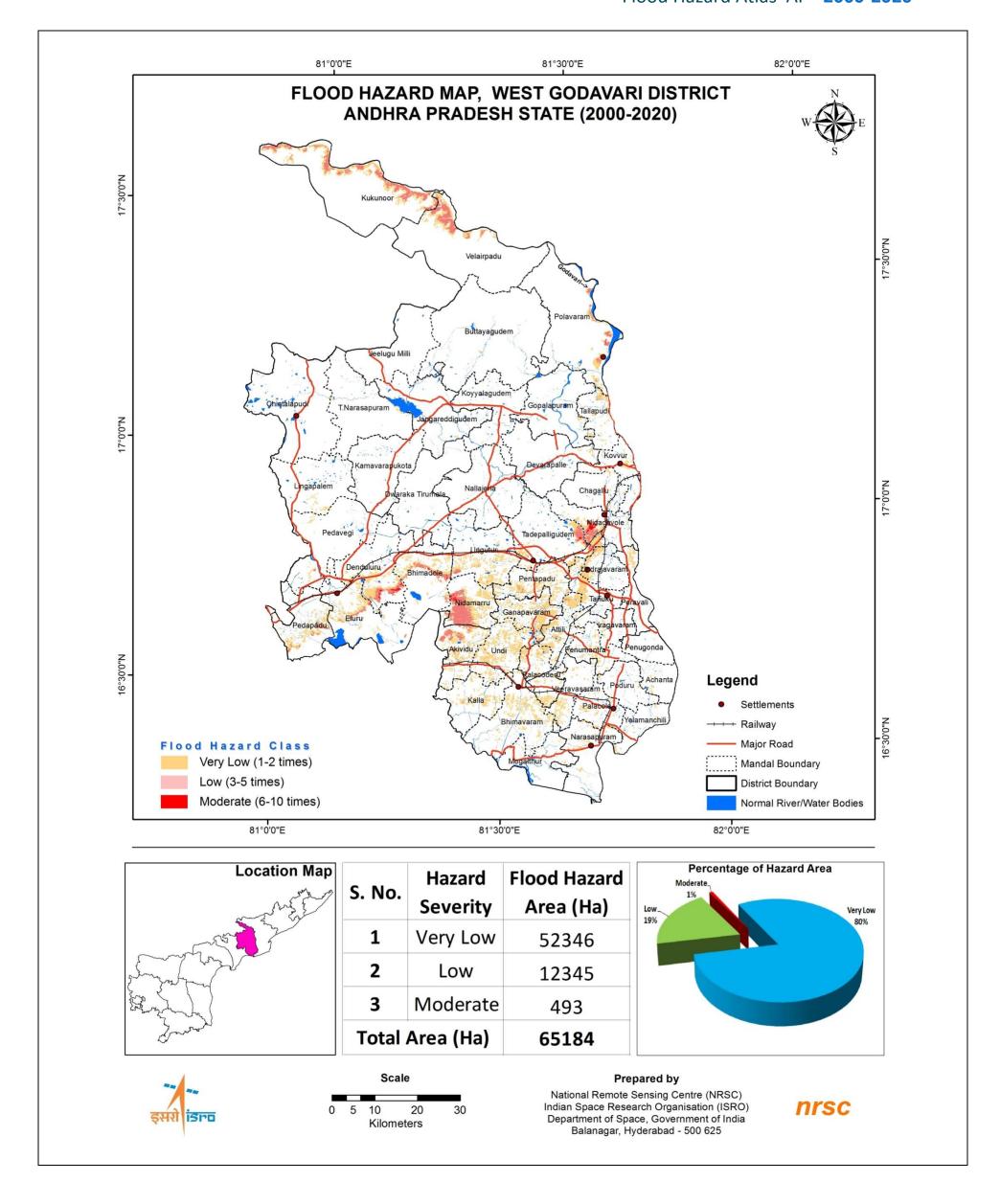


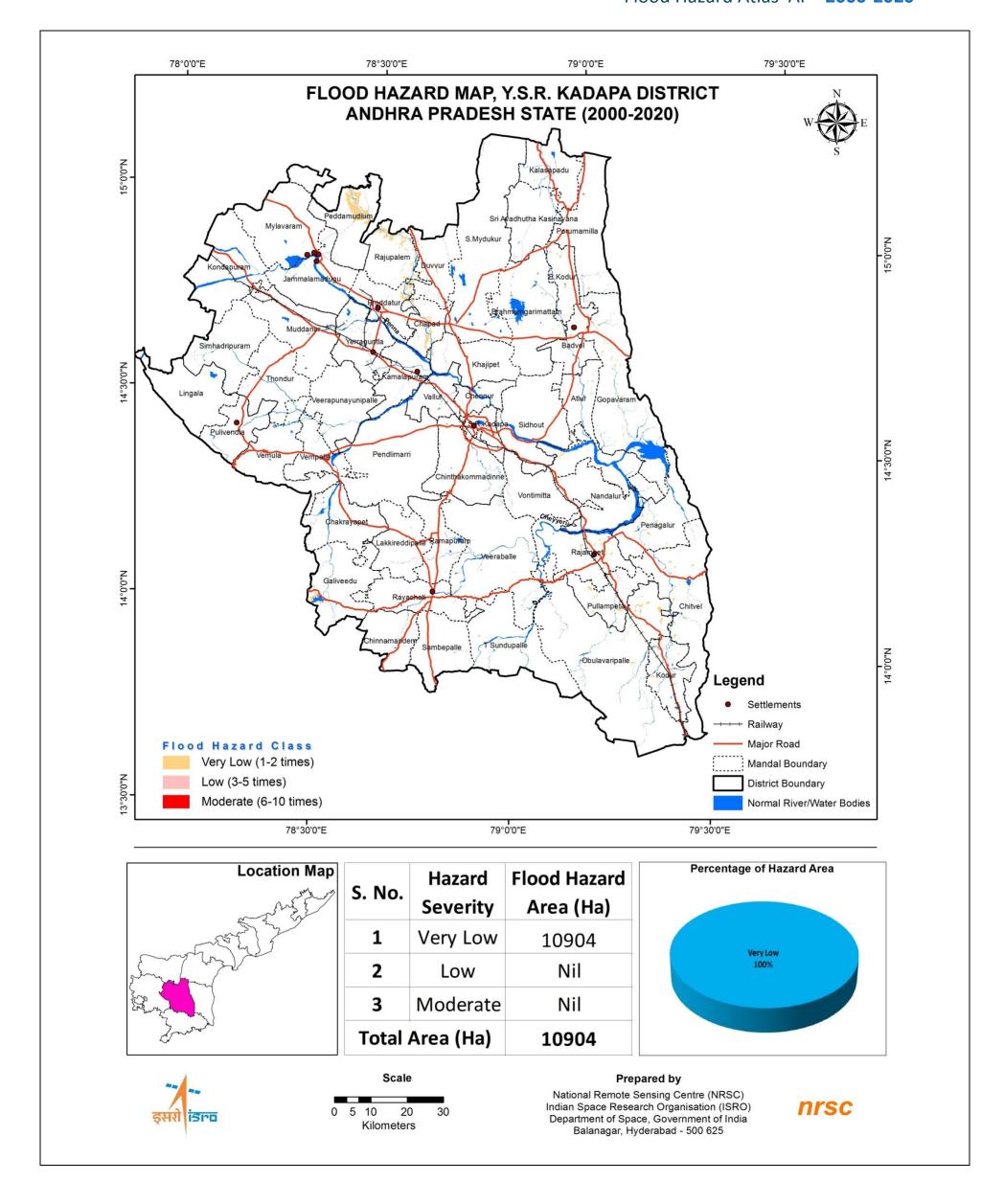












Dis	trict Wise List of	Villages Falling in Very Lo	w, Low & Moderate Hazard Category	y (2000-2020)
S. No.	District	Mandal	Village	Hazard Category
1	CHITTOOR	BUCHINAIDU KANDRIGA	Alathur	Very Low
2	CHITTOOR	BUCHINAIDU KANDRIGA	Bhavanisankarapuram	Very Low
3	CHITTOOR	BUCHINAIDU KANDRIGA	Chinnayyagunta	Very Low
4	CHITTOOR	BUCHINAIDU KANDRIGA	Gajulapellore	Very Low
5	CHITTOOR	BUCHINAIDU KANDRIGA	Kallivettu	Very Low
6	CHITTOOR	BUCHINAIDU KANDRIGA	Kanchanaputtur	Very Low
7	CHITTOOR	BUCHINAIDU KANDRIGA	Katur	Very Low
8	CHITTOOR	BUCHINAIDU KANDRIGA	Kothapalem	Very Low
9	CHITTOOR	BUCHINAIDU KANDRIGA	Kukkambakam	Very Low
10	CHITTOOR	BUCHINAIDU KANDRIGA	Kumara Venkatapuram	Very Low
11	CHITTOOR	BUCHINAIDU KANDRIGA	Neerpakota	Very Low
12	CHITTOOR	BUCHINAIDU KANDRIGA	Nelavoy	Very Low
13	CHITTOOR	BUCHINAIDU KANDRIGA	Pallamala	Very Low
14	CHITTOOR	BUCHINAIDU KANDRIGA	Parlapalle	Very Low
15	CHITTOOR	BUCHINAIDU KANDRIGA	Peddapalavedu	Very Low
16	CHITTOOR	BUCHINAIDU KANDRIGA	Putteri	Very Low
17	CHITTOOR	BUCHINAIDU KANDRIGA	Therripadu	Very Low
18	CHITTOOR	BUCHINAIDU KANDRIGA	Thimmabhupalapuram	Very Low
19	CHITTOOR	BUCHINAIDU KANDRIGA	Vijayagopalapuram	Very Low
20	CHITTOOR	BUCHINAIDU KANDRIGA	West Warathur	Very Low
21	CHITTOOR	K.V.B.PURAM	Adaram	Very Low
22	CHITTOOR	K.V.B.PURAM	Anjuru	Very Low
23	CHITTOOR	K.V.B.PURAM	Brahmana Cheruvu	Very Low
24	CHITTOOR	K.V.B.PURAM	Brahmanapalle	Very Low
25	CHITTOOR	K.V.B.PURAM	Gnanamamba Puram @ P.Khandriga	Very Low
26	CHITTOOR	K.V.B.PURAM	Guntipedu	Very Low
27	CHITTOOR	K.V.B.PURAM	Kandlur	Very Low
28	CHITTOOR	K.V.B.PURAM	Kovanur	Very Low
29	CHITTOOR	K.V.B.PURAM	Kumara Venkata Bhupalapuram	Very Low
30	CHITTOOR	K.V.B.PURAM	Rayapedu	Very Low
31	CHITTOOR	K.V.B.PURAM	Suramala	Very Low
32	CHITTOOR	K.V.B.PURAM	Thimmanaidugunta	Very Low
33	CHITTOOR	K.V.B.PURAM	Venkatapuram @ G.Khandriga	Very Low
34	CHITTOOR	KARVETINAGAR	Gopichettipalle	Low
35	CHITTOOR	NAGALAPURAM	Krishnapuram	Low
36	CHITTOOR	NAGALAPURAM	Vellore	Low
37	CHITTOOR	NARAYANAVANAM	Diguvakanakam Palem	Low
38	CHITTOOR	NARAYANAVANAM	Kalyanapuram	Low
39	CHITTOOR	NINDRA	Agaram	Very Low
40	CHITTOOR	NINDRA	Kacharavedu	Very Low
41	CHITTOOR	NINDRA	Kavanur	Very Low
42	CHITTOOR	NINDRA	Nindra	Very Low

43	CHITTOOR	NINDRA	Padiri	Very Low
44	CHITTOOR	NINDRA	Samayapuram	Very Low
45	CHITTOOR	PICHATUR	Chilamathur @ Bangala	Low
46	CHITTOOR	PICHATUR	Keelapudi	Low
47	CHITTOOR	PICHATUR	Mudiyur	Low
48	CHITTOOR	PICHATUR	Neervoy	Low
49	CHITTOOR	PICHATUR	Reppalapattu	Low
50	CHITTOOR	PICHATUR	Velur	Low
51	CHITTOOR	PICHATUR	Vengalathur	Low
52	CHITTOOR	PUTTUR	Kaverimaharajula -Agraharam	Very Low
53	CHITTOOR	RAMACHANDRAPURAM	Chittathur Kale Palle	Low
54	CHITTOOR	RENIGUNTA	Ammavaripatteda	Low
55	CHITTOOR	RENIGUNTA	Annasamipalle	Low
56	CHITTOOR	RENIGUNTA	Dharmapuram Khandriga	Low
57	CHITTOOR	RENIGUNTA	Elamandyam	Low
58	CHITTOOR	RENIGUNTA	Karakambadi (Rural)	Low
59	CHITTOOR	RENIGUNTA	Krishnapuram	Low
60	CHITTOOR	RENIGUNTA	Molagamudi	Low
61	CHITTOOR	RENIGUNTA	Venkatapuram	Low
62	CHITTOOR	SATYAVEDU	Chengambakam	Low
63	CHITTOOR	SATYAVEDU	Dasukuppam	Low
64	CHITTOOR	SATYAVEDU	Irugulam	Low
65	CHITTOOR	SATYAVEDU	Kannavaram	Low
66	CHITTOOR	SATYAVEDU	Madanambedu	Low
67	CHITTOOR	SATYAVEDU	Senneri	Low
68	CHITTOOR	SRIKALAHASTI	Akkurthy	Low
69	CHITTOOR	SRIKALAHASTI	Ammacheruvu	Low
70	CHITTOOR	SRIKALAHASTI	Ammapalem	Low
71	CHITTOOR	SRIKALAHASTI	Ananthapadmanabha Puram	Low
72	CHITTOOR	SRIKALAHASTI	Aravakothuru	Low
73	CHITTOOR	SRIKALAHASTI	Bheemavaram	Low
74	CHITTOOR	SRIKALAHASTI	Bodavaripalle	Low
75	CHITTOOR	SRIKALAHASTI	Bokkasam Palem	Low
76	CHITTOOR	SRIKALAHASTI	Brahmanapalle	Low
77	CHITTOOR	SRIKALAHASTI	Challapalem	Low
78	CHITTOOR	SRIKALAHASTI	Cherlapalle	Low
79	CHITTOOR	SRIKALAHASTI	Cherlopalle Vyavasayapu Khandriga	Low
80	CHITTOOR	SRIKALAHASTI	Cherukulapadu	Low
81	CHITTOOR	SRIKALAHASTI	Chukkalanidigallu	Low
82	CHITTOOR	SRIKALAHASTI	Diguvaveedhi	Low
83	CHITTOOR	SRIKALAHASTI	Eguvaveedhi	Low
84	CHITTOOR	SRIKALAHASTI	Erragudipadu	Low
85	CHITTOOR	SRIKALAHASTI	Guntakindapalle	Low
86	CHITTOOR	SRIKALAHASTI	Kammakothur	Low

87	CHITTOOR	SRIKALAHASTI	Kapugunneri	Low
88	CHITTOOR	SRIKALAHASTI	Madamala	Low
89	CHITTOOR	SRIKALAHASTI	Maddiledu	Low
90	CHITTOOR	SRIKALAHASTI	Mangalapuri	Low
91	CHITTOOR	SRIKALAHASTI	Marrimakulachenu Khandriga	Low
92	CHITTOOR	SRIKALAHASTI	Muchivolu	Low
93	CHITTOOR	SRIKALAHASTI	Muddumudi	Low
94	CHITTOOR	SRIKALAHASTI	Murthy Palem	Low
95	CHITTOOR	SRIKALAHASTI	Narayanapuram	Low
96	CHITTOOR	SRIKALAHASTI	Obulayapalle	Low
97	CHITTOOR	SRIKALAHASTI	Panagallu (Rural)	Low
98	CHITTOOR	SRIKALAHASTI	Penubaka	Low
99	CHITTOOR	SRIKALAHASTI	Poli	Low
100	CHITTOOR	SRIKALAHASTI	Pullareddi Khandriga	Low
101	CHITTOOR	SRIKALAHASTI	Rachagunneri	Low
102	CHITTOOR	SRIKALAHASTI	Ramalinga Puram	Low
103	CHITTOOR	SRIKALAHASTI	Ramanuja Palle	Low
104	CHITTOOR	SRIKALAHASTI	Ramapuram	Low
105	CHITTOOR	SRIKALAHASTI	Reddipalle	Low
106	CHITTOOR	SRIKALAHASTI	Subbanaidu -Khandriga	Low
107	CHITTOOR	SRIKALAHASTI	Thondamanadu	Low
108	CHITTOOR	SRIKALAHASTI	Udamalapadu	Low
109	CHITTOOR	SRIKALAHASTI	Uranduru	Low
110	CHITTOOR	SRIKALAHASTI	Vagavedu	Low
111	CHITTOOR	SRIKALAHASTI	Vampalle	Low
112	CHITTOOR	SRIKALAHASTI	Vedam	Low
113	CHITTOOR	SRIKALAHASTI	Velampadu	Low
114	CHITTOOR	SRIKALAHASTI	Velavedu	Low
115	CHITTOOR	SRIKALAHASTI	Yarlapudi	Low
116	CHITTOOR	THOTTAMBEDU	Basavaiahpalem	Low
117	CHITTOOR	THOTTAMBEDU	Bonupalle	Low
118	CHITTOOR	THOTTAMBEDU	Chemuru	Low
119	CHITTOOR	THOTTAMBEDU	Chinna Singamala	Low
120	CHITTOOR	THOTTAMBEDU	Chittathur	Very Low
121	CHITTOOR	THOTTAMBEDU	Chiyyavaram	Very Low
122	CHITTOOR	THOTTAMBEDU	Chodavaram	Low
123	CHITTOOR	THOTTAMBEDU	Dainadu	Low
124	CHITTOOR	THOTTAMBEDU	Dongalamudur	Low
125	CHITTOOR	THOTTAMBEDU	Edulagunta	Low
126	CHITTOOR	THOTTAMBEDU	Gottipudi	Low
127	CHITTOOR	THOTTAMBEDU	Gowdamala	Low
128	CHITTOOR	THOTTAMBEDU	Gummadigunta	Low
129	CHITTOOR	THOTTAMBEDU	Gunteligunta @ L.N.Puram	Low
130	CHITTOOR	THOTTAMBEDU	Gurukulapalem	Low

131	CHITTOOR	THOTTAMBEDU	llaganur	Low
132	CHITTOOR	THOTTAMBEDU	Kallipudi	Low
133	CHITTOOR	THOTTAMBEDU	Kanchanapalle	Low
134	CHITTOOR	THOTTAMBEDU	Kasaram	Low
135	CHITTOOR	THOTTAMBEDU	Konathaneri	Low
136	CHITTOOR	THOTTAMBEDU	Kondachenu Khandriga	Low
137	CHITTOOR	THOTTAMBEDU	Konnali	Low
138	CHITTOOR	THOTTAMBEDU	Mamidigunta	Low
139	CHITTOOR	THOTTAMBEDU	Pedda Kannali	Low
140	CHITTOOR	THOTTAMBEDU	Peddagunta Agraharam	Low
141	CHITTOOR	THOTTAMBEDU	Peddakanaparthi	Low
142	CHITTOOR	THOTTAMBEDU	Pennalapadu	Low
143	CHITTOOR	THOTTAMBEDU	Pillamedu	Very Low
144	CHITTOOR	THOTTAMBEDU	Роууа	Low
145	CHITTOOR	THOTTAMBEDU	Pudi	Low
146	CHITTOOR	THOTTAMBEDU	Rambhatlapalle	Low
147	CHITTOOR	THOTTAMBEDU	Routhusuramala	Low
148	CHITTOOR	THOTTAMBEDU	Sambaiahpalem	Low
149	CHITTOOR	THOTTAMBEDU	Siddigunta @ Umama Heswara Puram	Low
150	CHITTOOR	THOTTAMBEDU	Srikrishnapuram	Very Low
151	CHITTOOR	THOTTAMBEDU	Tatiparthy	Low
152	CHITTOOR	THOTTAMBEDU	Thangellapalem	Low
153	CHITTOOR	THOTTAMBEDU	Verupakshapuram	Low
154	CHITTOOR	TIRUPATI (URBAN)	SETTIPALLE	Low
155	CHITTOOR	VADAMALAPETA	Ayyannagaripalle	Low
156	CHITTOOR	VADAMALAPETA	K.G.Khandriga	Low
157	CHITTOOR	VADAMALAPETA	Kadirimangalam	Low
158	CHITTOOR	VADAMALAPETA	Kallur	Low
159	CHITTOOR	VADAMALAPETA	Padiredu Aranyam	Low
160	CHITTOOR	VADAMALAPETA	Sri Bommaraju Puram	Low
161	CHITTOOR	VADAMALAPETA	Srinivasapuram	Low
162	CHITTOOR	VARADAIAHPALEM	Ambur	Low
163	CHITTOOR	VARADAIAHPALEM	Arudur	Low
164	CHITTOOR	VARADAIAHPALEM	Ayyavaripalem	Low
165	CHITTOOR	VARADAIAHPALEM	C.L Naidu Palle	Low
166	CHITTOOR	VARADAIAHPALEM	Chilamathur	Low
167	CHITTOOR	VARADAIAHPALEM	Chinnapandur	Low
168	CHITTOOR	VARADAIAHPALEM	Gudalavaripalem	Low
169	CHITTOOR	VARADAIAHPALEM	Isukapalem	Low
170	CHITTOOR	VARADAIAHPALEM	Kadur	Low
171	CHITTOOR	VARADAIAHPALEM	Kalathur	Low
172	CHITTOOR	VARADAIAHPALEM	Kambakam	Low
173	CHITTOOR	VARADAIAHPALEM	Karepakam	Low
174	CHITTOOR	VARADAIAHPALEM	Kovurpadu	Low

175	CHITTOOR	VARADAIAHPALEM	Kuvvakolli	Low
176	CHITTOOR	VARADAIAHPALEM	Maradawada	Low
177	CHITTOOR	VARADAIAHPALEM	Mopurapalle	Low
178	CHITTOOR	VARADAIAHPALEM	Nellatur	Low
179	CHITTOOR	VARADAIAHPALEM	Pandur	Low
180	CHITTOOR	VARADAIAHPALEM	Santhavellore	Low
181	CHITTOOR	VARADAIAHPALEM	Sathambedu	Low
182	CHITTOOR	VARADAIAHPALEM	Varadaiahpalem	Low
183	CHITTOOR	VARADAIAHPALEM	Vittaiah Palem	Low
184	CHITTOOR	VARADAIAHPALEM	Yanadivettu	Low
185	CHITTOOR	VIJAYAPURAM	Buchivanatham	Low
186	CHITTOOR	VIJAYAPURAM	Kaliambakam	Low
187	CHITTOOR	VIJAYAPURAM	Pannur	Low
188	CHITTOOR	YERPEDU	Arugorla Khandriga	Low
189	CHITTOOR	YERPEDU	Chellur	Very Low
190	CHITTOOR	YERPEDU	Chindepalle	Low
191	CHITTOOR	YERPEDU	Chinnajimedu	Low
192	CHITTOOR	YERPEDU	Chintalapalem	Low
193	CHITTOOR	YERPEDU	Durgiperi	Low
194	CHITTOOR	YERPEDU	Gudimallam	Low
195	CHITTOOR	YERPEDU	Isukathageli	Low
196	CHITTOOR	YERPEDU	Kandadu	Low
197	CHITTOOR	YERPEDU	Katrakayalagunta	Low
198	CHITTOOR	YERPEDU	Kobaka	Low
199	CHITTOOR	YERPEDU	Krishnampalle	Low
200	CHITTOOR	YERPEDU	Madhavamala	Low
201	CHITTOOR	YERPEDU	Mahankalideviputtur	Very Low
202	CHITTOOR	YERPEDU	Mannasamudram	Low
203	CHITTOOR	YERPEDU	Merlapaka	Low
204	CHITTOOR	YERPEDU	Modugulapalem	Low
205	CHITTOOR	YERPEDU	Munagalapalem	Low
206	CHITTOOR	YERPEDU	Musalipedu	Low
207	CHITTOOR	YERPEDU	Nachaneri	Low
208	CHITTOOR	YERPEDU	Nagampalle	Low
209	CHITTOOR	YERPEDU	Pagali	Low
210	CHITTOOR	YERPEDU	Pallam	Low
211	CHITTOOR	YERPEDU	Pangur	Low
212	CHITTOOR	YERPEDU	Pathaveerapuram	Low
213	CHITTOOR	YERPEDU	Peddanjimedu	Low
214	CHITTOOR	YERPEDU	Pennagadam	Low
215	CHITTOOR	YERPEDU	Penumallam	Low
216	CHITTOOR	YERPEDU	Seetharampet	Low
217	CHITTOOR	YERPEDU	Sreenivasapuram	Low
218	CHITTOOR	YERPEDU	Venkatapuram	Low

219	CHITTOOR	YERPEDU	Vikruthamala	Low
220	CHITTOOR	YERPEDU	Yerpedu	Low
221	EAST GODAVARI	AINAVILLI	Kotipalli Bhaga	Moderate
222	EAST GODAVARI	ALAMURU	Kalavacherla	Very Low
223	EAST GODAVARI	ALAMURU	Modukuru	Very Low
224	EAST GODAVARI	ALAMURU	Navabpeta	Very Low
225	EAST GODAVARI	ALAMURU	Penikeru	Very Low
226	EAST GODAVARI	ANAPARTHY	Anaparthy	Very Low
227	EAST GODAVARI	ANAPARTHY	Koppavaram	Very Low
228	EAST GODAVARI	ANAPARTHY	Kutukuluru	Very Low
229	EAST GODAVARI	ANAPARTHY	Mahendrawada	Very Low
230	EAST GODAVARI	ANAPARTHY	Pedaparthi	Very Low
231	EAST GODAVARI	ANAPARTHY	Pulagurtha	Very Low
232	EAST GODAVARI	ANAPARTHY	Ramavaram	Very Low
233	EAST GODAVARI	ATREYAPURAM	Merlapalem	Moderate
234	EAST GODAVARI	ATREYAPURAM	Vadapalle	Very Low
235	EAST GODAVARI	BICCAVOLU	Biccavolu	Very Low
236	EAST GODAVARI	BICCAVOLU	Komaripalem	Very Low
237	EAST GODAVARI	BICCAVOLU	Konkuduru	Very Low
238	EAST GODAVARI	BICCAVOLU	Melluru	Very Low
239	EAST GODAVARI	BICCAVOLU	Pandalapaka	Very Low
240	EAST GODAVARI	BICCAVOLU	Tossipudi	Very Low
241	EAST GODAVARI	BICCAVOLU	Voolapalle	Very Low
242	EAST GODAVARI	CHINTUR	Agraharapu Koderu	Low
243	EAST GODAVARI	CHINTUR	Chatti	Very Low
244	EAST GODAVARI	CHINTUR	Chidumurum	Very Low
245	EAST GODAVARI	CHINTUR	Chintur	Very Low
246	EAST GODAVARI	CHINTUR	Chutur	Very Low
247	EAST GODAVARI	CHINTUR	Kummuru	Very Low
248	EAST GODAVARI	CHINTUR	Kuyuguru	Very Low
249	EAST GODAVARI	CHINTUR	Lakshmipuram	Very Low
250	EAST GODAVARI	CHINTUR	Mallethota	Low
251	EAST GODAVARI	CHINTUR	Markandeyula Peta	Low
252	EAST GODAVARI	CHINTUR	Mukkunuru	Low
253	EAST GODAVARI	CHINTUR	Narsimhapuram	Very Low
254	EAST GODAVARI	CHINTUR	Narsingapeta	Very Low
255	EAST GODAVARI	CHINTUR	Thummargudem	Very Low
256	EAST GODAVARI	CHINTUR	Ulumuru	Low
257	EAST GODAVARI	DEVIPATNAM	Dandangi	Very Low
258	EAST GODAVARI	DEVIPATNAM	Devipatnam	Moderate
259	EAST GODAVARI	DEVIPATNAM	Thoyyeru	Low
260	EAST GODAVARI	GOLLAPROLU	China Jaggampeta	Very Low
261	EAST GODAVARI	GOLLAPROLU	Gollaprolu	Very Low
262	EAST GODAVARI	GOLLAPROLU	Laxmipuram	Moderate

263	EAST GODAVARI	JAGGAMPETA	Jaggampeta	Very Low
264	EAST GODAVARI	JAGGAMPETA	Katravulapalle	Very Low
265	EAST GODAVARI	JAGGAMPETA	Seethanagaram	Very Low
266	EAST GODAVARI	KAJULURU	Aryavatam	Very Low
267	EAST GODAVARI	KAJULURU	Bandanapudi	Very Low
268	EAST GODAVARI	KAJULURU	Cheduvada	Very Low
269	EAST GODAVARI	KAJULURU	Jagannathagiri	Very Low
270	EAST GODAVARI	KAJULURU	Kajuluru	Very Low
271	EAST GODAVARI	KAJULURU	Kolanka	Moderate
272	EAST GODAVARI	KAJULURU	Kuyyeru	Very Low
273	EAST GODAVARI	KAJULURU	Manjeru	Very Low
274	EAST GODAVARI	KAJULURU	Pallipalem	Very Low
275	EAST GODAVARI	KAJULURU	Penumalla	Very Low
276	EAST GODAVARI	KAJULURU	Seela	Very Low
277	EAST GODAVARI	KAJULURU	Selapaka	Very Low
278	EAST GODAVARI	KAJULURU	Tarlampudi	Very Low
279	EAST GODAVARI	KAKINADA (FULLY URBAN)	MEDALINE	Very Low
280	EAST GODAVARI	KAKINADA (RURAL)	CHIDIGA	Very Low
281	EAST GODAVARI	KAKINADA (RURAL)	Kovvada	Very Low
282	EAST GODAVARI	KAKINADA (RURAL)	Thimmapuram	Very Low
283	EAST GODAVARI	KAPILESWARAPURAM	Kaleru	Very Low
284	EAST GODAVARI	KAPILESWARAPURAM	Machara	Very Low
285	EAST GODAVARI	KAPILESWARAPURAM	Nalluru	Very Low
286	EAST GODAVARI	KAPILESWARAPURAM	Nidasanametta	Very Low
287	EAST GODAVARI	KAPILESWARAPURAM	Vadlamuru	Very Low
288	EAST GODAVARI	KAPILESWARAPURAM	Valluru	Very Low
289	EAST GODAVARI	KARAPA	Gurajanapalle	Very Low
290	EAST GODAVARI	KARAPA	Karapa	Very Low
291	EAST GODAVARI	KARAPA	Patharlagadda	Very Low
292	EAST GODAVARI	KARAPA	Peddapurapadu	Very Low
293	EAST GODAVARI	KARAPA	Penuguduru	Very Low
294	EAST GODAVARI	KARAPA	Vemulavada	Very Low
295	EAST GODAVARI	KARAPA	Z. Bhavaram	Very Low
296	EAST GODAVARI	KORUKONDA	Burugupudi	Low
297	EAST GODAVARI	KORUKONDA	Butchempeta	Very Low
298	EAST GODAVARI	KORUKONDA	Gadala	Very Low
299	EAST GODAVARI	KORUKONDA	Kapavaram	Low
300	EAST GODAVARI	KORUKONDA	Koti	Low
301	EAST GODAVARI	KORUKONDA	Munagala	Low
302	EAST GODAVARI	KOTHAPALLE	Mulapeta	Very Low
303	EAST GODAVARI	KOTHAPALLE	Ponnada	Very Low
304	EAST GODAVARI	KOTHAPALLE	Ramanakkapeta	Very Low
305	EAST GODAVARI	КОТНАРЕТА	Vanapalle	Moderate
306	EAST GODAVARI	KUNAVARAM	Abicherla	Low

307	EAST GODAVARI	KUNAVARAM	Ayyavarigudem	Very Low
308	EAST GODAVARI	KUNAVARAM	Bhagavanpuram	Very Low
309	EAST GODAVARI	KUNAVARAM	Bojjaraigudem	Very Low
310	EAST GODAVARI	KUNAVARAM	Byravapatnam	Very Low
311	EAST GODAVARI	KUNAVARAM	Chinarkur	Low
312	EAST GODAVARI	KUNAVARAM	Chinnapolipaka	Very Low
313	EAST GODAVARI	KUNAVARAM	Chuchirevula	Moderate
314	EAST GODAVARI	KUNAVARAM	Chuchirevula Gudem	Very Low
315	EAST GODAVARI	KUNAVARAM	Dugutta	Very Low
316	EAST GODAVARI	KUNAVARAM	Gommu Ayyavarigudem	Very Low
317	EAST GODAVARI	KUNAVARAM	Gommugudem	Moderate
318	EAST GODAVARI	KUNAVARAM	Gunduvarigudem	Very Low
319	EAST GODAVARI	KUNAVARAM	Jaggavaram	Very Low
320	EAST GODAVARI	KUNAVARAM	Kachavaram	Moderate
321	EAST GODAVARI	KUNAVARAM	Karakagudem	Low
322	EAST GODAVARI	KUNAVARAM	Koderu	Low
323	EAST GODAVARI	KUNAVARAM	Kondaigudem	Very Low
324	EAST GODAVARI	KUNAVARAM	Kondarajupeta	Low
325	EAST GODAVARI	KUNAVARAM	Kothuru	Low
326	EAST GODAVARI	KUNAVARAM	Kudalipadu	Low
327	EAST GODAVARI	KUNAVARAM	Kunavaram	Low
328	EAST GODAVARI	KUNAVARAM	Kuturu	Very Low
329	EAST GODAVARI	KUNAVARAM	Laxmipuram	Moderate
330	EAST GODAVARI	KUNAVARAM	Lellavai	Moderate
331	EAST GODAVARI	KUNAVARAM	Lingapuram	Very Low
332	EAST GODAVARI	KUNAVARAM	Marrigudem	Moderate
333	EAST GODAVARI	KUNAVARAM	Mulluru	Low
334	EAST GODAVARI	KUNAVARAM	Narasingapeta	Low
335	EAST GODAVARI	KUNAVARAM	Paidigudem	Very Low
336	EAST GODAVARI	KUNAVARAM	Pandirajupalle	Very Low
337	EAST GODAVARI	KUNAVARAM	Pedda Polipaka	Moderate
338	EAST GODAVARI	KUNAVARAM	Peddarukur	Low
339	EAST GODAVARI	KUNAVARAM	Pochavaram	Moderate
340	EAST GODAVARI	KUNAVARAM	Potlavarigudem	Very Low
341	EAST GODAVARI	KUNAVARAM	Regulapadu	Low
342	EAST GODAVARI	KUNAVARAM	Repaka	Low
343	EAST GODAVARI	KUNAVARAM	S.Kothagudem	Low
344	EAST GODAVARI	KUNAVARAM	Srirampuram	Low
345	EAST GODAVARI	KUNAVARAM	Tallagudem	Low
346	EAST GODAVARI	KUNAVARAM	Tekubaka	Moderate
347	EAST GODAVARI	KUNAVARAM	Turakalagudem	Moderate
348	EAST GODAVARI	KUNAVARAM	Venkatayapalem	Low
349	EAST GODAVARI	KUNAVARAM	Venkatrayapalem	Very Low
350	EAST GODAVARI	KUNAVARAM	Walfordpeta	Moderate

351	EAST GODAVARI	MANDAPETA	Dwarapudi	Very Low
352	EAST GODAVARI	MANDAPETA	Tapeswaram	Very Low
353	EAST GODAVARI	MANDAPETA	Z.Medapadu	Very Low
354	EAST GODAVARI	NELLIPAKA	Ayyavaripeta	Very Low
355	EAST GODAVARI	NELLIPAKA	Boddugudem	Very Low
356	EAST GODAVARI	NELLIPAKA	Chelempalem	Low
357	EAST GODAVARI	NELLIPAKA	Chinna Nallakunta	Very Low
358	EAST GODAVARI	NELLIPAKA	Chinthalagudem	Low
359	EAST GODAVARI	NELLIPAKA	Chowdavaram	Moderate
360	EAST GODAVARI	NELLIPAKA	Dammapeta	Very Low
361	EAST GODAVARI	NELLIPAKA	Devarapalle	Low
362	EAST GODAVARI	NELLIPAKA	Gannavaram	Moderate
363	EAST GODAVARI	NELLIPAKA	Gogubaka	Moderate
364	EAST GODAVARI	NELLIPAKA	Gollagudem	Moderate
365	EAST GODAVARI	NELLIPAKA	Gommu Koyagudem	Moderate
366	EAST GODAVARI	NELLIPAKA	Gottugudem	Very Low
367	EAST GODAVARI	NELLIPAKA	Gowridevi Peta	Low
368	EAST GODAVARI	NELLIPAKA	Gundala	Moderate
369	EAST GODAVARI	NELLIPAKA	K. Narayanapuram	Very Low
370	EAST GODAVARI	NELLIPAKA	Kannaigudem	Very Low
371	EAST GODAVARI	NELLIPAKA	Kapavaram	Very Low
372	EAST GODAVARI	NELLIPAKA	Kolanugudem	Moderate
373	EAST GODAVARI	NELLIPAKA	Kothagudem	Moderate
374	EAST GODAVARI	NELLIPAKA	Kusumanapalle	Very Low
375	EAST GODAVARI	NELLIPAKA	Lakshmidevipeta	Very Low
376	EAST GODAVARI	NELLIPAKA	Laxmipuram	Low
377	EAST GODAVARI	NELLIPAKA	Madimeru	Low
378	EAST GODAVARI	NELLIPAKA	Midfordpeta	Very Low
379	EAST GODAVARI	NELLIPAKA	Murumoor	Low
380	EAST GODAVARI	NELLIPAKA	Nallakunta	Very Low
381	EAST GODAVARI	NELLIPAKA	Nallakunta	Low
382	EAST GODAVARI	NELLIPAKA	Nandigama	Moderate
383	EAST GODAVARI	NELLIPAKA	Nellipaka	Low
384	EAST GODAVARI	NELLIPAKA	Pandurangapuram	Very Low
385	EAST GODAVARI	NELLIPAKA	Pitchikalapadu	Very Low
386	EAST GODAVARI	NELLIPAKA	Purushothapatnam	Moderate
387	EAST GODAVARI	NELLIPAKA	Rachagampalle	Low
388	EAST GODAVARI	NELLIPAKA	Raghavapuram	Low
389	EAST GODAVARI	NELLIPAKA	Rajupeta	Low
390	EAST GODAVARI	NELLIPAKA	Rayanapeta	Moderate
391	EAST GODAVARI	NELLIPAKA	Seetapuram	Low
392	EAST GODAVARI	NELLIPAKA	Thallagudem	Low
393	EAST GODAVARI	NELLIPAKA	Thotapalle	Very Low
394	EAST GODAVARI	NELLIPAKA	Tripura Penta Veedu	Moderate

395	EAST GODAVARI	NELLIPAKA	Yerraboru	Very Low
396	EAST GODAVARI	NELLIPAKA	Yerragunta	Very Low
397	EAST GODAVARI	NELLIPAKA	Yetapaka	Moderate
398	EAST GODAVARI	PAMARRU	Dangeru	Very Low
399	EAST GODAVARI	PAMARRU	Gudigalla Rallagunta	Very Low
400	EAST GODAVARI	PAMARRU	Sivala	Very Low
401	EAST GODAVARI	PEDAPUDI	Atchutapuratrayam	Very Low
402	EAST GODAVARI	PEDAPUDI	Domada	Low
403	EAST GODAVARI	PEDAPUDI	Kaikavolu	Very Low
404	EAST GODAVARI	PEDAPUDI	Kandregula	Very Low
405	EAST GODAVARI	PEDAPUDI	Karakuduru	Very Low
406	EAST GODAVARI	PEDAPUDI	Kumarapriyam	Very Low
407	EAST GODAVARI	PEDAPUDI	Pedapudi	Very Low
408	EAST GODAVARI	PEDAPUDI	Peddada	Very Low
409	EAST GODAVARI	PEDAPUDI	Pyna	Very Low
410	EAST GODAVARI	PEDAPUDI	Sahapuram	Very Low
411	EAST GODAVARI	PEDAPUDI	Vendra	Very Low
412	EAST GODAVARI	PITHAPURAM	Madhavapuram	Very Low
413	EAST GODAVARI	RAJANAGARAM	Nandarada	Very Low
414	EAST GODAVARI	RAMACHANDRAPURAM	Bheemakrosupalem	Very Low
415	EAST GODAVARI	RAMACHANDRAPURAM	Chodavaram	Very Low
416	EAST GODAVARI	RAMACHANDRAPURAM	Draksharama	Very Low
417	EAST GODAVARI	RAMACHANDRAPURAM	Hasanbada	Very Low
418	EAST GODAVARI	RAMACHANDRAPURAM	Jagannaikulapalem	Very Low
419	EAST GODAVARI	RAMACHANDRAPURAM	Kandulapalem	Very Low
420	EAST GODAVARI	RAMACHANDRAPURAM	Kapavaram	Very Low
421	EAST GODAVARI	RAMACHANDRAPURAM	MUTCHIMILLI	Very Low
422	EAST GODAVARI	RAMACHANDRAPURAM	Narasapurapupeta	Very Low
423	EAST GODAVARI	RAMACHANDRAPURAM	RAMACHANDRAPURAM(U)	Very Low
424	EAST GODAVARI	RAMACHANDRAPURAM	Unduru	Very Low
425	EAST GODAVARI	RAMACHANDRAPURAM	Utrumilli	Very Low
426	EAST GODAVARI	RAMACHANDRAPURAM	Vegayammapeta	Very Low
427	EAST GODAVARI	RAMACHANDRAPURAM	Velampalem	Very Low
428	EAST GODAVARI	RAMACHANDRAPURAM	Venkatayapalem	Very Low
429	EAST GODAVARI	RAVULAPALEM	Podagatlapalle	Moderate
430	EAST GODAVARI	RAYAVARAM	Chelluru	Very Low
431	EAST GODAVARI	RAYAVARAM	Kurmapuram	Very Low
432	EAST GODAVARI	RAYAVARAM	Lolla	Very Low
433	EAST GODAVARI	RAYAVARAM	Machavaram	Very Low
434	EAST GODAVARI	RAYAVARAM	Nadurubada	Very Low
435	EAST GODAVARI	RAYAVARAM	Pasalapudi	Very Low
436	EAST GODAVARI	RAYAVARAM	Someswaram	Very Low
437	EAST GODAVARI	RAYAVARAM	Vedurupaka	Very Low
438	EAST GODAVARI	RAYAVARAM	Venturu	Very Low

439	EAST GODAVARI	SAMALKOTA	Boyanapudi	Very Low
440	EAST GODAVARI	SAMALKOTA	G. Medapadu	Very Low
441	EAST GODAVARI	SAMALKOTA	Madhavapatnam	Very Low
442	EAST GODAVARI	SAMALKOTA	Mamilladoddi	Very Low
443	EAST GODAVARI	SAMALKOTA	Pedabrahmadevam	Very Low
444	EAST GODAVARI	SAMALKOTA	Valluru	Very Low
445	EAST GODAVARI	SAMALKOTA	Venkata Krishnarayapuram	Very Low
446	EAST GODAVARI	SAMALKOTA	Vetlapalem	Very Low
447	EAST GODAVARI	SEETHANAGARAM	Chinakondepudi	Very Low
448	EAST GODAVARI	SEETHANAGARAM	Katavaram	Moderate
449	EAST GODAVARI	SEETHANAGARAM	Kunavaram	Low
450	EAST GODAVARI	SEETHANAGARAM	Muggaulla	Moderate
451	EAST GODAVARI	SEETHANAGARAM	Mulakallanka	Moderate
452	EAST GODAVARI	SEETHANAGARAM	Nagampalle	Very Low
453	EAST GODAVARI	SEETHANAGARAM	Nallagonda	Low
454	EAST GODAVARI	SEETHANAGARAM	Raghudevapuram	Moderate
455	EAST GODAVARI	SEETHANAGARAM	Singavaram	Moderate
456	EAST GODAVARI	SEETHANAGARAM	Vangalapudi	Moderate
457	EAST GODAVARI	THALLAREVU	Chollangi Peta	Very Low
458	EAST GODAVARI	THALLAREVU	Koringa	Very Low
459	EAST GODAVARI	THALLAREVU	Latchipalem	Very Low
460	EAST GODAVARI	THONDANGI	A.V.Nagaram	Very Low
461	EAST GODAVARI	THONDANGI	Kommanapalle	Very Low
462	EAST GODAVARI	THONDANGI	Krishnapuram	Very Low
463	EAST GODAVARI	THONDANGI	Pydikonda	Very Low
464	EAST GODAVARI	THONDANGI	Thondangi	Very Low
465	EAST GODAVARI	THONDANGI	Vemavaram	Very Low
466	EAST GODAVARI	VARARAMACHANDRAPURAM	Annavaram	Very Low
467	EAST GODAVARI	VARARAMACHANDRAPURAM	Chintharajupalle	Moderate
468	EAST GODAVARI	VARARAMACHANDRAPURAM	Chokkanapalle	Moderate
469	EAST GODAVARI	VARARAMACHANDRAPURAM	Choppalle	Low
470	EAST GODAVARI	VARARAMACHANDRAPURAM	Gundugudem	Moderate
471	EAST GODAVARI	VARARAMACHANDRAPURAM	Gurrampeta	Low
472	EAST GODAVARI	VARARAMACHANDRAPURAM	Isunuru	Low
473	EAST GODAVARI	VARARAMACHANDRAPURAM	Kannayagudem	Very Low
474	EAST GODAVARI	VARARAMACHANDRAPURAM	Koppalle	Low
475	EAST GODAVARI	VARARAMACHANDRAPURAM	Kothagudem	Low
476	EAST GODAVARI	VARARAMACHANDRAPURAM	Mulkapalle	Low
477	EAST GODAVARI	VARARAMACHANDRAPURAM	Nuthigudem	Low
478	EAST GODAVARI	VARARAMACHANDRAPURAM	Prathipaka	Low
479	EAST GODAVARI	VARARAMACHANDRAPURAM	Rajupeta	Low
480	EAST GODAVARI	VARARAMACHANDRAPURAM	Ramavaram	Low
481	EAST GODAVARI	VARARAMACHANDRAPURAM	Ravigudem	Low
482	EAST GODAVARI	VARARAMACHANDRAPURAM	Rekapalle	Very Low

483	EAST GODAVARI	VARARAMACHANDRAPURAM	Seethampeta	Low
484	EAST GODAVARI	VARARAMACHANDRAPURAM	Somulagudem	Low
485	EAST GODAVARI	VARARAMACHANDRAPURAM	Sriramgiri	Low
486	EAST GODAVARI	VARARAMACHANDRAPURAM	Ummadivaram	Low
487	EAST GODAVARI	VARARAMACHANDRAPURAM	Venkannagudem	Low
488	EAST GODAVARI	VARARAMACHANDRAPURAM	Waddegudem	Low
489	EAST GODAVARI	Y.RAMAVARAM	Mangampadu	Very Low
490	EAST GODAVARI	Y.RAMAVARAM	Marriguda	Very Low
491	GUNTUR	AMARAVATHI	Amaravathi	Low
492	GUNTUR	AMARAVATHI	Endroyi	Very Low
493	GUNTUR	AMARAVATHI	Narukullapadu	Very Low
494	GUNTUR	AMARAVATHI	Pedda Madduru	Low
495	GUNTUR	AMRUTHALUR	Amruthalur	Very Low
496	GUNTUR	AMRUTHALUR	Bodapadu	Very Low
497	GUNTUR	AMRUTHALUR	Govada	Very Low
498	GUNTUR	AMRUTHALUR	Intur	Very Low
499	GUNTUR	AMRUTHALUR	Koditadiparru	Very Low
500	GUNTUR	AMRUTHALUR	Kuchipudi	Very Low
501	GUNTUR	AMRUTHALUR	Moparru	Very Low
502	GUNTUR	AMRUTHALUR	Mulpur	Very Low
503	GUNTUR	AMRUTHALUR	Panchalavaram	Very Low
504	GUNTUR	AMRUTHALUR	Peddapudi	Very Low
505	GUNTUR	AMRUTHALUR	Pyaparru	Very Low
506	GUNTUR	AMRUTHALUR	Thurumella	Very Low
507	GUNTUR	AMRUTHALUR	Yelavarru	Very Low
508	GUNTUR	ATCHAMPET	Challagariga	Low
509	GUNTUR	ATCHAMPET	Kogantivaripalem	Low
510	GUNTUR	ATCHAMPET	Taduvoy	Low
511	GUNTUR	BAPATLA	Appikatla	Very Low
512	GUNTUR	BAPATLA	Bapatla West (Rural)	Very Low
513	GUNTUR	BAPATLA	Bharthipudi	Very Low
514	GUNTUR	BAPATLA	Cheruvu	Very Low
515	GUNTUR	BAPATLA	Etheru	Very Low
516	GUNTUR	BAPATLA	Gopapuram	Very Low
517	GUNTUR	BAPATLA	Gudipudi	Very Low
518	GUNTUR	BAPATLA	Jammulapalem	Very Low
519	GUNTUR	BAPATLA	Jillellamudi	Low
520	GUNTUR	BAPATLA	Kankatapalem	Low
521	GUNTUR	BAPATLA	Mulapalem	Low
522	GUNTUR	BAPATLA	Murukondapadu	Low
523	GUNTUR	BAPATLA	Narasayapalem	Very Low
524	GUNTUR	BAPATLA	Neredupalle	Very Low
525	GUNTUR	BAPATLA	Palaparthipadu	Very Low
526	GUNTUR	BAPATLA	Poondla	Very Low

527	GUNTUR	BAPATLA	Velicherla	Very Low
528	GUNTUR	BELLAMKONDA	Emmajigudem	Very Low
529	GUNTUR	BHATTIPROLU	Addepalli	Very Low
530	GUNTUR	BHATTIPROLU	Bhattiprolu	Very Low
531	GUNTUR	BHATTIPROLU	Gorigapudi	Very Low
532	GUNTUR	BHATTIPROLU	Oleru	Very Low
533	GUNTUR	BHATTIPROLU	Pallekona	Low
534	GUNTUR	BHATTIPROLU	Pedalanka	Low
535	GUNTUR	BHATTIPROLU	Pesarlanka	Very Low
536	GUNTUR	BHATTIPROLU	Sivangulapalem	Very Low
537	GUNTUR	CHEBROLU	Chebrolu	Very Low
538	GUNTUR	CHEBROLU	Godavarru	Low
539	GUNTUR	CHEBROLU	Manchala	Very Low
540	GUNTUR	CHEBROLU	Pathareddipalem	Very Low
541	GUNTUR	CHEBROLU	Sekuru	Very Low
542	GUNTUR	CHEBROLU	Sreerangapuram	Very Low
543	GUNTUR	CHEBROLU	Suddapalle	Very Low
544	GUNTUR	CHEBROLU	Vadlamudi	Very Low
545	GUNTUR	CHEBROLU	Vejendla	Very Low
546	GUNTUR	CHERUKUPALLE	Arepalle	Very Low
547	GUNTUR	CHERUKUPALLE	Arumbaka	Very Low
548	GUNTUR	CHERUKUPALLE	Gudavalli	Very Low
549	GUNTUR	CHERUKUPALLE	Kanagala	Very Low
550	GUNTUR	CHERUKUPALLE	Kavuru	Very Low
551	GUNTUR	CHERUKUPALLE	Nadimpalle	Very Low
552	GUNTUR	CHERUKUPALLE	Ponnapalle	Very Low
553	GUNTUR	CHERUKUPALLE	Rajavolu	Very Low
554	GUNTUR	CHERUKUPALLE	Rambhotlapalem	Very Low
555	GUNTUR	CHILAKALURIPET	Gottipadu	Very Low
556	GUNTUR	CHILAKALURIPET	Kanthetivari Khandrika	Very Low
557	GUNTUR	CHILAKALURIPET	Kukkapallevaripalem	Very Low
558	GUNTUR	CHILAKALURIPET	Pasumarru (Rural)	Very Low
559	GUNTUR	DUGGIRALA	Chiluvuru	Very Low
560	GUNTUR	DUGGIRALA	Chinapalem	Very Low
561	GUNTUR	DUGGIRALA	Emani	Very Low
562	GUNTUR	DUGGIRALA	Pedakondur	Low
563	GUNTUR	DUGGIRALA	Penumudi	Low
564	GUNTUR	DUGGIRALA	Perakalapudi	Very Low
565	GUNTUR	EDLAPADU	Jaladi	Very Low
566	GUNTUR	EDLAPADU	Sandepudi	Very Low
567	GUNTUR	EDLAPADU	Thurlapadu	Very Low
568	GUNTUR	GUNTUR	Jonnalagadda	Very Low
569	GUNTUR	KAKUMANU	Appapuram	Low
570	GUNTUR	KAKUMANU	Bhallukanudupalem	Low

571	GUNTUR	KAKUMANU	Bodipalem	Very Low
572	GUNTUR	KAKUMANU	Garikapadu	Very Low
573	GUNTUR	KAKUMANU	Kakumanu	Very Low
574	GUNTUR	KAKUMANU	Kollimarla	Low
575	GUNTUR	KAKUMANU	Kommuru	Very Low
576	GUNTUR	KAKUMANU	Kondapatur	Low
577	GUNTUR	KAKUMANU	Pandrapadu	Very Low
578	GUNTUR	KAKUMANU	Retur	Very Low
579	GUNTUR	KAKUMANU	Vallur	Very Low
580	GUNTUR	KARLAPALEM	Buddam	Very Low
581	GUNTUR	KARLAPALEM	Ganapavaram	Very Low
582	GUNTUR	KARLAPALEM	Karlapalem	Very Low
583	GUNTUR	KARLAPALEM	Perali	Very Low
584	GUNTUR	KARLAPALEM	Yazali	Very Low
585	GUNTUR	KOLLIPARA	Annavaram	Low
586	GUNTUR	KOLLIPARA	Chivalur	Very Low
587	GUNTUR	KOLLIPARA	Davuluru	Low
588	GUNTUR	KOLLIPARA	Kollipara	Low
589	GUNTUR	KOLLIPARA	Siripuram	Very Low
590	GUNTUR	KOLLUR	Chinapulivarru	Very Low
591	GUNTUR	KOLLUR	Donepudi	Low
592	GUNTUR	KOLLUR	Gurivindapalle	Very Low
593	GUNTUR	KOLLUR	Pedalanka	Low
594	GUNTUR	KOLLUR	Potharlanka	Low
595	GUNTUR	KOLLUR	Ravikampadu	Very Low
597	GUNTUR	MACHERLA	Amani Jammala Madaka	Very Low
598	GUNTUR	MACHERLA	Kambhampadu	Very Low
599	GUNTUR	MANGALAGIRI	Atmakur (Rural)	Very Low
600	GUNTUR	MANGALAGIRI	Krishnayapalem	Low
601	GUNTUR	MANGALAGIRI	Kuragallu	Low
602	GUNTUR	MANGALAGIRI	Nidamarru	Low
603	GUNTUR	MANGALAGIRI	Nowlur (Rural)	Low
604	GUNTUR	MANGALAGIRI	Pedavadlapudi	Very Low
605	GUNTUR	MANGALAGIRI	Ramachandrapuram	Low
606	GUNTUR	MUPPALLA	Bollavaram	Very Low
607	GUNTUR	MUPPALLA	Dechavarappadu	Very Low
608	GUNTUR	MUPPALLA	Madala	Very Low
609	GUNTUR	NAGARAM	Allaparru	Very Low
610	GUNTUR	NAGARAM	Dhulipudi	Very Low
611	GUNTUR	NAGARAM	Edupalle	Very Low
612	GUNTUR	NAGARAM	Eletipalem	Very Low
613	GUNTUR	NAGARAM	Nagaram	Very Low
614	GUNTUR	NAGARAM	Pamidimarru	Very Low
615	GUNTUR	NAGARAM	Pedamatlapudi	Very Low

616	GUNTUR	NAGARAM	Pedapalle	Very Low
617	GUNTUR	NAGARAM	Pudiwada	Very Low
618	GUNTUR	NAGARAM	Siripudi	Very Low
619	GUNTUR	NAGARAM	Thotapalle	Very Low
620	GUNTUR	NEKARIKALLU	Chagallu	Very Low
621	GUNTUR	NEKARIKALLU	Challagundla	Very Low
622	GUNTUR	NEKARIKALLU	Cheemalamarri	Very Low
623	GUNTUR	NEKARIKALLU	Nekarikallu	Very Low
624	GUNTUR	NIZAMPATNAM	Adavuladeevi	Very Low
625	GUNTUR	NIZAMPATNAM	Amudalapalli	Very Low
626	GUNTUR	NIZAMPATNAM	Kuchinapudi	Very Low
627	GUNTUR	NIZAMPATNAM	Muthupalle Agraharam	Very Low
628	GUNTUR	NIZAMPATNAM	Nizampatnam	Very Low
629	GUNTUR	NIZAMPATNAM	Pregnam	Very Low
630	GUNTUR	PEDAKAKANI	Anumarlapudi	Very Low
631	GUNTUR	PEDAKAKANI	Devarayabhotlapalem	Very Low
632	GUNTUR	PEDAKAKANI	Nambur	Very Low
633	GUNTUR	PEDAKAKANI	Takkellapadu	Very Low
634	GUNTUR	PEDAKAKANI	Tangellamudi	Very Low
635	GUNTUR	PEDAKAKANI	Uppalapadu	Very Low
636	GUNTUR	PEDANANDIPADU	Annaparru	Very Low
637	GUNTUR	PEDANANDIPADU	Annavaram	Low
638	GUNTUR	PEDANANDIPADU	Katrapadu	Very Low
639	GUNTUR	PEDANANDIPADU	Kopparru	Very Low
640	GUNTUR	PEDANANDIPADU	Palaparru	Very Low
641	GUNTUR	PEDANANDIPADU	Pedanandipadu	Very Low
642	GUNTUR	PEDANANDIPADU	Pusulur	Very Low
643	GUNTUR	PEDANANDIPADU	Rajupalem	Very Low
644	GUNTUR	PEDANANDIPADU	Ravipadu	Very Low
645	GUNTUR	PEDANANDIPADU	Uppalapadu	Very Low
646	GUNTUR	PEDANANDIPADU	Varagani	Very Low
647	GUNTUR	PHIRANGIPURAM	Erraguntlapadu	Very Low
648	GUNTUR	PITTALAVANIPALEM	Allur	Very Low
649	GUNTUR	PITTALAVANIPALEM	Chandole	Very Low
650	GUNTUR	PITTALAVANIPALEM	Khajipalem	Very Low
651	GUNTUR	PITTALAVANIPALEM	Komali	Very Low
652	GUNTUR	PITTALAVANIPALEM	Sangupalem Kodur	Very Low
653	GUNTUR	PONNUR	Brahmanakodur	Very Low
654	GUNTUR	PONNUR	Chintalapudi	Very Low
655	GUNTUR	PONNUR	Doppalapudi	Very Low
656	GUNTUR	PONNUR	Jadavalli	Very Low
657	GUNTUR	PONNUR	Jupudi	Very Low
658	GUNTUR	PONNUR	Kondamudi	Very Low
659	GUNTUR	PONNUR	Mannava	Very Low

660	GUNTUR	PONNUR	Mulukuduru	Very Low
661	GUNTUR	PONNUR	Munipalle	Very Low
662	GUNTUR	PONNUR	Nandur	Very Low
663	GUNTUR	PONNUR	Nidubrolu	Very Low
664	GUNTUR	PONNUR	Patchalatadiparru	Very Low
665	GUNTUR	PONNUR	Ponnuru	Very Low
666	GUNTUR	PONNUR	Upparapalem	Very Low
667	GUNTUR	PONNUR	Vaddemukkala	Very Low
668	GUNTUR	PONNUR	Vallabharaopalem	Very Low
669	GUNTUR	PONNUR	Vellalur	Very Low
670	GUNTUR	PRATHIPADU	Vangipuram	Very Low
671	GUNTUR	RAJUPALEM	Uppalapadu	Very Low
672	GUNTUR	RENTACHINTALA	Paluvoi	Very Low
673	GUNTUR	RENTACHINTALA	Pasarlapadu	Very Low
674	GUNTUR	RENTACHINTALA	Rentala	Very Low
675	GUNTUR	RENTACHINTALA	Tummurkota	Very Low
676	GUNTUR	REPALLE	Bethapudi	Very Low
677	GUNTUR	REPALLE	Chodayapalem	Low
678	GUNTUR	REPALLE	Gangadipalem	Low
679	GUNTUR	REPALLE	Kaithepalle	Very Low
680	GUNTUR	REPALLE	Kamarajugadda	Low
681	GUNTUR	REPALLE	Karumuru	Very Low
682	GUNTUR	REPALLE	Penumudi	Low
683	GUNTUR	REPALLE	Peteru	Very Low
684	GUNTUR	REPALLE	Potumeraka	Very Low
685	GUNTUR	REPALLE	Repalle (M)	Very Low
686	GUNTUR	REPALLE	Repalle (Rural)	Very Low
687	GUNTUR	REPALLE	Uppudi	Very Low
688	GUNTUR	TADEPALLE	Chirravuru	Low
689	GUNTUR	TADEPALLE	Ippatam	Very Low
690	GUNTUR	TADIKONDA	Kantheru	Very Low
691	GUNTUR	TADIKONDA	Tadikonda	Very Low
692	GUNTUR	TENALI	Burripalem	Very Low
693	GUNTUR	TENALI	China Ravuru (Rural)	Very Low
694	GUNTUR	TENALI	Kolakaluru	Very Low
695	GUNTUR	TENALI	Nelapadu	Very Low
696	GUNTUR	TENALI	Pinapadu (Rural)	Very Low
697	GUNTUR	THULLUR	Ainavolu	Low
698	GUNTUR	THULLUR	Dondapadu	Very Low
699	GUNTUR	THULLUR	Kondan Rajupalem	Very Low
700	GUNTUR	THULLUR	Mandadam	Low
701	GUNTUR	THULLUR	Pedaparimi	Very Low
702	GUNTUR	THULLUR	Velagapudi	Very Low
703	GUNTUR	TSUNDUR	Alapadu	Very Low

704	GUNTUR	TSUNDUR	Chinaparimi	Very Low
705	GUNTUR	TSUNDUR	Kothapalle Narikellapalle	Very Low
706	GUNTUR	TSUNDUR	Manduru	Very Low
707	GUNTUR	TSUNDUR	Modukuru	Very Low
708	GUNTUR	TSUNDUR	Pedagadelavarru	Very Low
709	GUNTUR	TSUNDUR	Penugudurupadu	Very Low
710	GUNTUR	TSUNDUR	Thottempudi	Very Low
711	GUNTUR	TSUNDUR	Tsundur	Very Low
712	GUNTUR	TSUNDUR	Valiveru	Very Low
713	GUNTUR	VATTICHERUKURU	Ananthavarappadu	Very Low
714	GUNTUR	VATTICHERUKURU	Chamallamudi	Very Low
715	GUNTUR	VATTICHERUKURU	Garapadu	Very Low
716	GUNTUR	VATTICHERUKURU	Karempudipadu	Very Low
717	GUNTUR	VATTICHERUKURU	Katrapadu	Very Low
718	GUNTUR	VATTICHERUKURU	Kovelamudi	Very Low
719	GUNTUR	VATTICHERUKURU	Kurnoothala	Very Low
720	GUNTUR	VATTICHERUKURU	Lemallepadu	Very Low
721	GUNTUR	VATTICHERUKURU	Mutluru	Very Low
722	GUNTUR	VATTICHERUKURU	Pallapadu	Very Low
723	GUNTUR	VATTICHERUKURU	Vatticherukuru	Very Low
724	GUNTUR	VATTICHERUKURU	Yamarru	Very Low
725	GUNTUR	VEMURU	Abbanagudavalli	Very Low
726	GUNTUR	VEMURU	Balijepalle	Very Low
727	GUNTUR	VEMURU	Chadalawada	Very Low
728	GUNTUR	VEMURU	Chavali	Very Low
729	GUNTUR	VEMURU	Jampani	Very Low
730	GUNTUR	VEMURU	Kuchallapadu	Very Low
731	GUNTUR	VEMURU	Penumarru	Very Low
732	GUNTUR	VEMURU	Peravali	Very Low
733	GUNTUR	VEMURU	Peravalipalem	Very Low
734	GUNTUR	VEMURU	Pothumarru	Very Low
735	GUNTUR	VEMURU	Pulichintala Palem	Very Low
736	GUNTUR	VEMURU	Vemuru	Very Low
737	KRISHNA	AVANIGADDA	Aswaraopalem	Low
738	KRISHNA	AVANIGADDA	Chiruvolu Lanka	Low
739	KRISHNA	AVANIGADDA	Modumudi	Low
740	KRISHNA	AVANIGADDA	Vekanuru	Low
741	KRISHNA	BANTUMILLI	Chinatummidi	Low
742	KRISHNA	BANTUMILLI	Kanchadam	Low
743	KRISHNA	BANTUMILLI	Maddetipalle	Low
744	KRISHNA	BANTUMILLI	Manimeswaram	Low
745	KRISHNA	BANTUMILLI	Munjuluru	Low
746	KRISHNA	BANTUMILLI	Pedatummidi	Low
747	KRISHNA	BANTUMILLI	Satuluru	Low

748	KRISHNA	BAPULAPADU	Arugolanu	Very Low
749	KRISHNA	BAPULAPADU	Kakulapadu	Very Low
750	KRISHNA	BAPULAPADU	Kuripirala	Very Low
751	KRISHNA	BAPULAPADU	Ogirala	Very Low
752	KRISHNA	BAPULAPADU	Venkatapuram	Very Low
753	KRISHNA	CHALLAPALLE	Majeru	Very Low
754	KRISHNA	CHALLAPALLE	Mangalapuram	Very Low
755	KRISHNA	CHANDARLAPADU	Eturu	Very Low
756	KRISHNA	CHANDARLAPADU	Kasarabada	Very Low
757	KRISHNA	CHANDARLAPADU	Katrenipalle	Very Low
758	KRISHNA	CHANDARLAPADU	Thotaravulapadu	Very Low
759	KRISHNA	CHANDARLAPADU	Ustepalle	Very Low
760	KRISHNA	G.KONDURU	Haveli Mutyalampadu	Very Low
761	KRISHNA	G.KONDURU	Kavuluru	Very Low
762	KRISHNA	G.KONDURU	Narasayagudem	Very Low
763	KRISHNA	GANNAVARAM	Jakkulanekkalam	Very Low
764	KRISHNA	GANNAVARAM	Savarigudem	Very Low
765	KRISHNA	GANNAVARAM	Vedurupavuluru	Very Low
766	KRISHNA	GHANTASALA	Chitturu	Very Low
767	KRISHNA	GHANTASALA	Daliparru	Very Low
768	KRISHNA	GHANTASALA	Elikala Kuduru	Very Low
769	KRISHNA	GHANTASALA	Endakuduru	Very Low
770	KRISHNA	GHANTASALA	Lankapalle	Very Low
771	KRISHNA	GHANTASALA	Pushadam	Very Low
772	KRISHNA	GUDURU	Akumarru	Very Low
773	KRISHNA	GUDURU	Chittiguduru	Very Low
774	KRISHNA	GUDURU	Guduru	Very Low
775	KRISHNA	GUDURU	Gurjepalle	Very Low
776	KRISHNA	GUDURU	Idugullapalle	Very Low
777	KRISHNA	GUDURU	Jakkamcherla	Very Low
778	KRISHNA	GUDURU	Kalapatam	Very Low
779	KRISHNA	GUDURU	Kanchakodur	Very Low
780	KRISHNA	GUDURU	Kankatava	Very Low
781	KRISHNA	GUDURU	Kappaladoddi	Very Low
782	KRISHNA	GUDURU	Maddipatla	Very Low
783	KRISHNA	GUDURU	Mallavolu	Very Low
784	KRISHNA	GUDURU	Mukkollu	Very Low
785	KRISHNA	GUDURU	Narikedalapalem	Very Low
786	KRISHNA	GUDURU	Pinagudurulanka	Very Low
787	KRISHNA	GUDURU	Ramannapeta	Very Low
788	KRISHNA	GUDURU	Ramanuja Varthalapalle	Very Low
789	KRISHNA	GUDURU	Rayavaram	Very Low
790	KRISHNA	GUDURU	Tarakaturu	Very Low
791	KRISHNA	IBRAHIMPATNAM	Chilukuru	Very Low

792	KRISHNA	IBRAHIMPATNAM	Damuluru	Very Low
793	KRISHNA	IBRAHIMPATNAM	Elaprolu	Very Low
794	KRISHNA	IBRAHIMPATNAM	Guntupalle	Very Low
795	KRISHNA	IBRAHIMPATNAM	Ibrahimpatnam	Very Low
796	KRISHNA	IBRAHIMPATNAM	Jupudi	Very Low
797	KRISHNA	IBRAHIMPATNAM	Kachavaram	Very Low
798	KRISHNA	IBRAHIMPATNAM	Kethanakonda	Very Low
799	KRISHNA	IBRAHIMPATNAM	Kotikalapudi	Very Low
800	KRISHNA	IBRAHIMPATNAM	Mulapadu	Very Low
801	KRISHNA	IBRAHIMPATNAM	Trilochanapuram	Very Low
802	KRISHNA	IBRAHIMPATNAM	Tummalapalem	Very Low
803	KRISHNA	IBRAHIMPATNAM	Zami Navi Pothavaram	Very Low
804	KRISHNA	KALIDINDI	Avakuru	Very Low
805	KRISHNA	KALIDINDI	Kotcherla	Very Low
806	KRISHNA	KANCHIKACHERLA	Chevitikallu	Very Low
807	KRISHNA	KANCHIKACHERLA	Ganiatukuru	Very Low
808	KRISHNA	KANCHIKACHERLA	Kunikinapadu	Very Low
809	KRISHNA	KANCHIKACHERLA	Munnaluru	Very Low
810	KRISHNA	KODURU	Koduru	Very Low
811	KRISHNA	KODURU	Lingareddipalem	Very Low
812	KRISHNA	KODURU	Machavaram	Very Low
813	KRISHNA	KODURU	Pittallanka	Very Low
814	KRISHNA	KODURU	Salempalem	Very Low
815	KRISHNA	KODURU	Viswanadhapalle	Very Low
816	KRISHNA	MACHILIPATNAM	Bhogireddipalle	Very Low
817	KRISHNA	MACHILIPATNAM	Chinnapuram	Very Low
818	KRISHNA	MACHILIPATNAM	Machavaram (Rural)	Very Low
819	KRISHNA	MACHILIPATNAM	Machilipatnam (Rural)	Very Low
820	KRISHNA	MACHILIPATNAM	Nelakurru	Very Low
821	KRISHNA	MACHILIPATNAM	Pedapatnam	Very Low
822	KRISHNA	MACHILIPATNAM	Rudravaram	Very Low
823	KRISHNA	MACHILIPATNAM	Sultannagaram Gollapalem	Very Low
824	KRISHNA	MACHILIPATNAM	Tavisipudi	Very Low
825	KRISHNA	MANDAVALLI	Chintalapudi	Very Low
826	KRISHNA	MANDAVALLI	Kanukollu	Very Low
827	KRISHNA	MANDAVALLI	Lellapudi	Very Low
828	KRISHNA	MANDAVALLI	Mokhasakalvapudi	Very Low
829	KRISHNA	MANDAVALLI	Pasalapudi	Very Low
830	KRISHNA	MANDAVALLI	Putlacheruvu	Very Low
831	KRISHNA	MANDAVALLI	Singanapudi	Very Low
832	KRISHNA	MOPIDEVI	Pedakallepalle	Very Low
833	KRISHNA	MOVVA	Ayyanki	Very Low
834	KRISHNA	MOVVA	Chinamuttevi	Very Low
835	KRISHNA	MOVVA	Kaza	Very Low

836	KRISHNA	MOVVA	Kosuru	Very Low
837	KRISHNA	MOVVA	Nidumolu	Very Low
838	KRISHNA	MOVVA	Palankipadu	Very Low
839	KRISHNA	MOVVA	Pedamuttevi	Very Low
840	KRISHNA	NAGAYALANKA	Bhavadevarapalle	Very Low
841	KRISHNA	NAGAYALANKA	Chodavaram	Very Low
842	KRISHNA	NAGAYALANKA	Etimoga	Very Low
843	KRISHNA	NAGAYALANKA	Forest	Very Low
844	KRISHNA	NAGAYALANKA	Nangegadda	Very Low
845	KRISHNA	NAGAYALANKA	Parrachivara	Very Low
846	KRISHNA	NAGAYALANKA	T.Kothapalem	Very Low
847	KRISHNA	NAGAYALANKA	Talagadadeevi	Very Low
848	KRISHNA	NANDIGAMA	Kanchela	Very Low
849	KRISHNA	NANDIGAMA	Raghavapuram	Very Low
850	KRISHNA	NANDIVADA	Aripirala	Very Low
851	KRISHNA	NANDIVADA	Chedurthipadu	Very Low
852	KRISHNA	NANDIVADA	Chinalingala	Very Low
853	KRISHNA	NANDIVADA	Dandiganapudi	Very Low
854	KRISHNA	NANDIVADA	Gandepudi	Very Low
855	KRISHNA	NANDIVADA	Kudaravalli	Very Low
856	KRISHNA	NANDIVADA	Nandivada	Very Low
857	KRISHNA	NANDIVADA	Oddulameraka	Very Low
858	KRISHNA	NANDIVADA	Pedalingala	Very Low
859	KRISHNA	NANDIVADA	Pedavirivada	Very Low
860	KRISHNA	NANDIVADA	Puttagunta	Very Low
861	KRISHNA	NANDIVADA	Ramapuram	Very Low
862	KRISHNA	NANDIVADA	Sreenivasapuram	Very Low
863	KRISHNA	NANDIVADA	Tamirisa	Very Low
864	KRISHNA	NANDIVADA	Thummalapalle	Very Low
865	KRISHNA	NANDIVADA	Vennanapudi	Very Low
866	KRISHNA	PAMARRU	Addada	Very Low
867	KRISHNA	PAMARRU	Nibhanupudi	Very Low
868	KRISHNA	PAMARRU	Nimmaluru	Very Low
869	KRISHNA	PAMARRU	Polavaram	Very Low
870	KRISHNA	PAMARRU	Prakarla	Very Low
871	KRISHNA	PAMARRU	Rimmanapudi	Very Low
872	KRISHNA	PAMARRU	Undrapudi	Very Low
873	KRISHNA	PAMARRU	Zamidaggumilli	Very Low
874	KRISHNA	PEDANA	Bahussainpalem	Very Low
875	KRISHNA	PEDANA	Balliparru	Very Low
876	KRISHNA	PEDANA	Chennuru	Very Low
877	KRISHNA	PEDANA	Chodavaram	Very Low
878	KRISHNA	PEDANA	Devarapalle	Very Low
879	KRISHNA	PEDANA	Dirisavalli	Very Low

880	KRISHNA	PEDANA	Kamalapuram	Very Low
881	KRISHNA	PEDANA	Kavipuram	Very Low
882	KRISHNA	PEDANA	Konkepudi	Very Low
883	KRISHNA	PEDANA	Nadupuru	Very Low
884	KRISHNA	PEDANA	Pedana (Rural)	Very Low
885	KRISHNA	PEDANA	Pullapadu	Very Low
886	KRISHNA	PEDANA	Urivi	Very Low
887	KRISHNA	PEDAPARUPUDI	Moparru	Very Low
888	KRISHNA	PEDAPARUPUDI	Pamulapadu	Very Low
889	KRISHNA	PEDAPARUPUDI	Pedaparupudi	Very Low
890	KRISHNA	PEDAPARUPUDI	Somavarappadu	Very Low
891	KRISHNA	PEDAPARUPUDI	Vinjarampadu	Very Low
892	KRISHNA	THOTLAVALLURU	Devarapalle	Very Low
893	KRISHNA	THOTLAVALLURU	Madhurapuram	Very Low
894	KRISHNA	UNGUTURU	Amudalapalle	Very Low
895	KRISHNA	UNGUTURU	Dibbanapudi	Very Low
896	KRISHNA	UNGUTURU	Koyyagurapadu	Very Low
897	KRISHNA	UNGUTURU	Ondrampadu	Very Low
898	KRISHNA	VIJAYAWADA (RURAL)	Ambapuram	Low
899	KRISHNA	VIJAYAWADA (RURAL)	Done Atkuru	Low
900	KRISHNA	VIJAYAWADA (RURAL)	Enikepadu	Low
901	KRISHNA	VIJAYAWADA (RURAL)	Gollapudi	Low
902	KRISHNA	VIJAYAWADA (RURAL)	Gudavalli	Low
903	KRISHNA	VIJAYAWADA (RURAL)	Jakkampudi	Low
904	KRISHNA	VIJAYAWADA (RURAL)	Kundavari Kandrika	Low
905	KRISHNA	VIJAYAWADA (RURAL)	Paidurupadu	Low
906	KRISHNA	VIJAYAWADA (RURAL)	Phiryadi Nainavaram	Low
907	KRISHNA	VIJAYAWADA (RURAL)	Prasadampadu	Low
908	KRISHNA	VIJAYAWADA (RURAL)	Ramavarapaddu	Low
909	KRISHNA	VIJAYAWADA (RURAL)	Rayanapadu	Low
910	KRISHNA	VIJAYAWADA (RURAL)	Shabada	Low
911	KRISHNA	VIJAYAWADA (RURAL)	Tadepalle	Low
912	KRISHNA	VIJAYAWADA (RURAL)	Vemavaram	Low
913	KRISHNA	VUYYURU	Peda Ogirala	Low
914	KURNOOL	ATMAKUR	Indireswaram	Very Low
915	KURNOOL	ATMAKUR	Karivena	Very Low
916	KURNOOL	ATMAKUR	Krishnapuram	Very Low
917	KURNOOL	ATMAKUR	Kurukunda	Very Low
918	KURNOOL	ATMAKUR	Pinnapuram	Very Low
919	KURNOOL	ATMAKUR	Siddapuram	Very Low
920	KURNOOL	ATMAKUR	Siddepalle	Very Low
921	KURNOOL	ATMAKUR	Vadla Ramapuram	Very Low
922	KURNOOL	BANAGANAPALLE	Sankalapuram	Very Low
923	KURNOOL	BANAGANAPALLE	Tangutoor	Very Low

924	KURNOOL	BANDI ATMAKUR	Ayyavari Kodur	Very Low
925	KURNOOL	BANDI ATMAKUR	Bandi Atmakur	Very Low
926	KURNOOL	BANDI ATMAKUR	Kakanur	Very Low
927	KURNOOL	BANDI ATMAKUR	Parnapalle	Very Low
928	KURNOOL	BANDI ATMAKUR	Ramapuram	Very Low
929	KURNOOL	CHAGALAMARRI	Rajole	Very Low
930	KURNOOL	DORNIPADU	Gundupapala	Very Low
931	KURNOOL	DORNIPADU	Krislipadu	Very Low
932	KURNOOL	GOSPADU	Rayapadu	Very Low
933	KURNOOL	GOSPADU	S.Kuluru	Very Low
934	KURNOOL	GOSPADU	Tellapuri	Very Low
935	KURNOOL	GOSPADU	Vantivelagala	Very Low
936	KURNOOL	JUPADU BUNGALOW	Bannur	Very Low
937	KURNOOL	JUPADU BUNGALOW	Bollavaram	Very Low
938	KURNOOL	JUPADU BUNGALOW	Ganapuram	Very Low
939	KURNOOL	JUPADU BUNGALOW	Tarigopula	Very Low
940	KURNOOL	JUPADU BUNGALOW	Tatipadu	Very Low
941	KURNOOL	KOILKUNTLA	Bheemunipadu	Very Low
942	KURNOOL	KOILKUNTLA	Chinna Kopperla	Very Low
943	KURNOOL	KOILKUNTLA	Gulladurthi	Very Low
944	KURNOOL	KOILKUNTLA	Joladarasi	Very Low
945	KURNOOL	KOILKUNTLA	Kalugotla	Very Low
946	KURNOOL	KOILKUNTLA	Kampamalla	Very Low
947	KURNOOL	KOILKUNTLA	Koilkuntla	Very Low
948	KURNOOL	KOILKUNTLA	Lingala	Very Low
949	KURNOOL	KOILKUNTLA	Mogalai Uppalur	Very Low
950	KURNOOL	KOILKUNTLA	Pedda Kopperla	Very Low
951	KURNOOL	KOILKUNTLA	Pottipadu	Very Low
952	KURNOOL	KOILKUNTLA	Revanur	Very Low
953	KURNOOL	KOILKUNTLA	Vallampadu	Very Low
954	KURNOOL	KOTHAPALLE	Battuvaripalle	Very Low
955	KURNOOL	KOTHAPALLE	Edurupadu	Very Low
956	KURNOOL	KOTHAPALLE	Erramatam	Very Low
957	KURNOOL	KOTHAPALLE	Gokavaram	Very Low
958	KURNOOL	KOTHAPALLE	Gummadapuram	Very Low
959	KURNOOL	KOTHAPALLE	Guvvalakunta	Very Low
960	KURNOOL	KOTHAPALLE	Kokkerancha	Very Low
961	KURNOOL	KOTHAPALLE	Kothapalle	Very Low
962	KURNOOL	KOTHAPALLE	Musalimadugu	Very Low
963	KURNOOL	KOTHAPALLE	Sivapuram	Very Low
964	KURNOOL	KURNOOL	Devamada	Very Low
965	KURNOOL	KURNOOL	E.Thandrapadu	Very Low
966	KURNOOL	KURNOOL	Joharapuram	Very Low
967	KURNOOL	KURNOOL	Kurnool (M Corp.)	Very Low

968	KURNOOL	KURNOOL	Panchalingala	Very Low
969	KURNOOL	NANDIKOTKUR	Allur	Very Low
970	KURNOOL	NANDIKOTKUR	Bijinavemula	Very Low
971	KURNOOL	NANDIKOTKUR	Konidela	Very Low
972	KURNOOL	NANDIKOTKUR	Maddigatla	Very Low
973	KURNOOL	NANDIKOTKUR	Malyala	Very Low
974	KURNOOL	NANDIKOTKUR	Nagatoor	Very Low
975	KURNOOL	NANDIKOTKUR	Santhanikota	Very Low
976	KURNOOL	NANDYAL	Bheemavaram	Very Low
977	KURNOOL	NANDYAL	Brahmanapalle	Very Low
978	KURNOOL	NANDYAL	Chapirevula	Very Low
979	KURNOOL	NANDYAL	Gunthanala	Very Low
980	KURNOOL	NANDYAL	Mitnala	Very Low
981	KURNOOL	NANDYAL	Moolasagaram (Rural)	Very Low
982	KURNOOL	NANDYAL	Nandyal (Rural)	Very Low
983	KURNOOL	NANDYAL	Pusulur	Very Low
984	KURNOOL	PAGIDYALA	Muchumarri	Very Low
985	KURNOOL	PAGIDYALA	Murvakonda	Very Low
986	KURNOOL	PAGIDYALA	Pagidyala	Very Low
987	KURNOOL	PAGIDYALA	Pathakota(East)	Very Low
988	KURNOOL	PAGIDYALA	Pathakota(West)	Very Low
989	KURNOOL	PAMULAPADU	Chelimella	Very Low
990	KURNOOL	PAMULAPADU	Iskala	Very Low
991	KURNOOL	PAMULAPADU	Jutur	Very Low
992	KURNOOL	PAMULAPADU	Kambalapalle	Very Low
993	KURNOOL	PAMULAPADU	Pamulapadu	Very Low
994	KURNOOL	PAMULAPADU	Thummalur	Very Low
995	KURNOOL	PANYAM	Anupur	Very Low
996	KURNOOL	PANYAM	Gaggatur	Very Low
997	KURNOOL	PANYAM	Maddur	Very Low
998	KURNOOL	PANYAM	Thogarchedu	Very Low
999	KURNOOL	UYYALAWADA	Allur	Very Low
1000	KURNOOL	UYYALAWADA	Bodemmanur	Very Low
1001	KURNOOL	UYYALAWADA	Injedu	Very Low
1002	KURNOOL	UYYALAWADA	Kakarawada	Very Low
1003	KURNOOL	UYYALAWADA	Narsepalle	Very Low
1004	KURNOOL	UYYALAWADA	Padigepad	Very Low
1005	KURNOOL	UYYALAWADA	Pedda Emmanur	Very Low
1006	KURNOOL	UYYALAWADA	R.Papampalle	Very Low
1007	KURNOOL	UYYALAWADA	Rupamagudi	Very Low
1008	KURNOOL	UYYALAWADA	Suddamalla	Very Low
1009	KURNOOL	UYYALAWADA	Uyyalawada	Very Low
1010	PRAKASAM	ADDANKI	Kotikalapudi	Very Low
1011	PRAKASAM	ADDANKI	Mani Keswaram	Very Low

1012	PRAKASAM	ADDANKI	Nannurupadu	Very Low
1013	PRAKASAM	ADDANKI	Narasimha Puram	Very Low
1014	PRAKASAM	CHIMAKURTHI	Chandrapadu	Very Low
1015	PRAKASAM	CHIMAKURTHI	Nekunambadu	Very Low
1016	PRAKASAM	CHIMAKURTHI	Ramachandra Puram	Very Low
1017	PRAKASAM	CHINAGANJAM	Chinaganjam	Very Low
1018	PRAKASAM	CHINAGANJAM	Chinthagum Palle	Low
1019	PRAKASAM	CHINAGANJAM	Gonasapudi	Low
1020	PRAKASAM	CHINAGANJAM	Kadavakuduru	Low
1021	PRAKASAM	CHINAGANJAM	Motu Palle	Very Low
1022	PRAKASAM	CHINAGANJAM	Pedaganjam	Very Low
1023	PRAKASAM	CHINAGANJAM	Santharavuru	Very Low
1024	PRAKASAM	CHIRALA	Chirala (Rural)	Moderate
1025	PRAKASAM	CHIRALA	Gavinivari Palem	Very Low
1026	PRAKASAM	CHIRALA	Ipuru Palem (Rural)	Very Low
1027	PRAKASAM	CHIRALA	Perala	Moderate
1028	PRAKASAM	CHIRALA	Wada	Low
1029	PRAKASAM	DONAKONDA	Kotcherla Kota	Very Low
1030	PRAKASAM	GIDDALUR	Giddaluru	Very Low
1031	PRAKASAM	GIDDALUR	Kongala Veedu	Very Low
1032	PRAKASAM	GIDDALUR	Narava	Very Low
1033	PRAKASAM	GIDDALUR	Podili Konda Palle	Very Low
1034	PRAKASAM	GUDLURU	Chevuru	Very Low
1035	PRAKASAM	GUDLURU	Dappalampadu	Very Low
1036	PRAKASAM	GUDLURU	Parakonda Paduagraharam	Very Low
1037	PRAKASAM	GUDLURU	Parakondapadu	Low
1038	PRAKASAM	GUDLURU	Ravur	Very Low
1039	PRAKASAM	GUDLURU	Venkam Peta	Very Low
1040	PRAKASAM	INKOLLU	Bhimavaram	Low
1041	PRAKASAM	INKOLLU	Duddukur	Low
1042	PRAKASAM	INKOLLU	Idupulapadu	Very Low
1043	PRAKASAM	INKOLLU	Inkollu	Very Low
1044	PRAKASAM	INKOLLU	Koniki	Very Low
1045	PRAKASAM	INKOLLU	Nagandla	Very Low
1046	PRAKASAM	INKOLLU	Pavulur	Very Low
1047	PRAKASAM	INKOLLU	Pusapadu	Very Low
1048	PRAKASAM	JANAKAVARAMPANGULURU	Budavada	Very Low
1049	PRAKASAM	JANAKAVARAMPANGULURU	Chandalur	Very Low
1050	PRAKASAM	JANAKAVARAMPANGULURU	Nuzendla Palle	Very Low
1051	PRAKASAM	JANAKAVARAMPANGULURU	Thurpu Koppera Padu	Very Low
1052	PRAKASAM	KANDUKUR	Donda Padu	Very Low
1053	PRAKASAM	KANDUKUR	G.Meka Padu	Very Low
1054	PRAKASAM	KANDUKUR	Jillelamudi	Very Low
1055	PRAKASAM	KANDUKUR	Kandukur	Very Low

1056	PRAKASAM	KANDUKUR	Kondamudusu Palem	Very Low
1057	PRAKASAM	KANDUKUR	Kondikandukur	Very Low
1058	PRAKASAM	KANDUKUR	Kovur	Very Low
1059	PRAKASAM	KANDUKUR	Machavaram	Very Low
1060	PRAKASAM	KANDUKUR	Madanagopalapuram	Very Low
1061	PRAKASAM	KANDUKUR	Mopadu	Very Low
1062	PRAKASAM	KANDUKUR	Muppalakesaramvarikandrika	Very Low
1063	PRAKASAM	KANDUKUR	Ogur	Very Low
1064	PRAKASAM	KANDUKUR	Palur	Low
1065	PRAKASAM	KANDUKUR	Pandalapadu	Very Low
1066	PRAKASAM	KARAMCHEDU	Audi Pudi	Very Low
1067	PRAKASAM	KARAMCHEDU	Daggubadu	Very Low
1068	PRAKASAM	KARAMCHEDU	Karamchedu	Low
1069	PRAKASAM	KARAMCHEDU	Kesavarappadu	Very Low
1070	PRAKASAM	KARAMCHEDU	Kodavalivari Palem	Very Low
1071	PRAKASAM	KARAMCHEDU	Kunkalamarru	Very Low
1072	PRAKASAM	KARAMCHEDU	Swarna	Very Low
1073	PRAKASAM	KOMAROLU	Vennam Palle	Very Low
1074	PRAKASAM	KONDAPI	China Venkana Palem	Very Low
1075	PRAKASAM	KONDAPI	Chodavaram	Very Low
1076	PRAKASAM	KONDAPI	K.Uppalapadu	Very Low
1077	PRAKASAM	KONDAPI	Muppavaram	Very Low
1078	PRAKASAM	KONDAPI	Vennuru	Very Low
1079	PRAKASAM	KORISAPADU	Anamanamur	Very Low
1080	PRAKASAM	KORISAPADU	Bodduvani Palem	Very Low
1081	PRAKASAM	KORISAPADU	Dyvala Ravuru	Very Low
1082	PRAKASAM	KORISAPADU	Korisapadu	Very Low
1083	PRAKASAM	KORISAPADU	Pamidi Padu	Very Low
1084	PRAKASAM	KORISAPADU	Prasangula Padu	Very Low
1085	PRAKASAM	KORISAPADU	Rachapudi	Very Low
1086	PRAKASAM	KORISAPADU	Ravinuthala	Very Low
1087	PRAKASAM	KORISAPADU	Somavarappadu	Very Low
1088	PRAKASAM	KOTHA PATNAM	Allur	Very Low
1089	PRAKASAM	KOTHA PATNAM	Alluru Kotha Patnam	Low
1090	PRAKASAM	KOTHA PATNAM	Ethamukkala	Low
1091	PRAKASAM	KOTHA PATNAM	Madanur	Very Low
1092	PRAKASAM	КОТНА РАТПАМ	Padarthi	Very Low
1093	PRAKASAM	KOTHA PATNAM	Payakari Khandrika	Low
1094	PRAKASAM	KOTHA PATNAM	Raju Palem	Low
1095	PRAKASAM	LINGASAMUDRAM	Chinapavani	Very Low
1096	PRAKASAM	LINGASAMUDRAM	Mutyalapadu	Very Low
1097	PRAKASAM	LINGASAMUDRAM	Rallapadu	Very Low
1098	PRAKASAM	LINGASAMUDRAM	Veera Raghavuni Kota	Very Low
1099	PRAKASAM	MADDIPADU	Doddavaram	Very Low

1100	PRAKASAM	MADDIPADU	Doddavarappadu	Very Low
1101	PRAKASAM	MADDIPADU	Edugundlapadu	Low
1102	PRAKASAM	MADDIPADU	Garlapadu	Very Low
1103	PRAKASAM	MADDIPADU	Gundla Palle	Very Low
1104	PRAKASAM	MADDIPADU	Inamanamellur	Very Low
1105	PRAKASAM	MADDIPADU	Keerthi Padu	Very Low
1106	PRAKASAM	MADDIPADU	Kolachanakota	Very Low
1107	PRAKASAM	MADDIPADU	Lingamgunta	Very Low
1108	PRAKASAM	MADDIPADU	Maddipadu	Very Low
1109	PRAKASAM	MADDIPADU	Mallavaram	Very Low
1110	PRAKASAM	MADDIPADU	Nelatur	Very Low
1111	PRAKASAM	MADDIPADU	Peda Kotha Palle	Very Low
1112	PRAKASAM	MADDIPADU	Rachavari Palem	Very Low
1113	PRAKASAM	MADDIPADU	Vellam Palle	Very Low
1114	PRAKASAM	NAGULUPPALAPADU	Ammana Brolu	Very Low
1115	PRAKASAM	NAGULUPPALAPADU	Chadalawada	Very Low
1116	PRAKASAM	NAGULUPPALAPADU	Cheervanuppala Padu	Very Low
1117	PRAKASAM	NAGULUPPALAPADU	Chekura Padu	Very Low
1118	PRAKASAM	NAGULUPPALAPADU	Edumudi	Low
1119	PRAKASAM	NAGULUPPALAPADU	Kandlagunta	Very Low
1120	PRAKASAM	NAGULUPPALAPADU	Kanuparthi	Low
1121	PRAKASAM	NAGULUPPALAPADU	Kothakota	Very Low
1122	PRAKASAM	NAGULUPPALAPADU	Machavaram	Very Low
1123	PRAKASAM	NAGULUPPALAPADU	Maddirala Muppalla	Low
1124	PRAKASAM	NAGULUPPALAPADU	Mattigunta	Low
1125	PRAKASAM	NAGULUPPALAPADU	Naguluppala Padu	Very Low
1126	PRAKASAM	NAGULUPPALAPADU	Nidamanur	Very Low
1127	PRAKASAM	NAGULUPPALAPADU	Pothavaram	Very Low
1128	PRAKASAM	NAGULUPPALAPADU	Raparla	Very Low
1129	PRAKASAM	NAGULUPPALAPADU	Thimmasamudram	Very Low
1130	PRAKASAM	NAGULUPPALAPADU	Uppugundur	Low
1131	PRAKASAM	ONGOLE	Annavarappadu	Low
1132	PRAKASAM	ONGOLE	Chejerla	Very Low
1133	PRAKASAM	ONGOLE	Cheruvu Kommu Palem	Very Low
1134	PRAKASAM	ONGOLE	Devaram Padu	Very Low
1135	PRAKASAM	ONGOLE	Gudimella Padu	Very Low
1136	PRAKASAM	ONGOLE	Karavadi	Very Low
1137	PRAKASAM	ONGOLE	Koppolu (Rural)	Very Low
1138	PRAKASAM	ONGOLE	Kothamamidipalem (Rural)	Very Low
1139	PRAKASAM	ONGOLE	Malleshwarapuram	Low
1140	PRAKASAM	ONGOLE	Mukthinutala Padu (Rural)	Very Low
1141	PRAKASAM	ONGOLE	Narasa Puram	Very Low
1142	PRAKASAM	ONGOLE	Pelluru (Rural)	Very Low
1143	PRAKASAM	ONGOLE	Throvagunta	Very Low

1144	PRAKASAM	ONGOLE	Ulichi	Very Low
1145	PRAKASAM	ONGOLE	Vengamukka Palem	Very Low
1146	PRAKASAM	PARCHUR	Adusumalle	Very Low
1147	PRAKASAM	PARCHUR	Bodawadamandagunta	Low
1148	PRAKASAM	PARCHUR	Chennubhotla Palem	Very Low
1149	PRAKASAM	PARCHUR	Cherukuru	Very Low
1150	PRAKASAM	PARCHUR	Devara Palle	Very Low
1151	PRAKASAM	PARCHUR	Edubadu	Very Low
1152	PRAKASAM	PARCHUR	Garnepudi	Very Low
1153	PRAKASAM	PARCHUR	Gollapudi	Very Low
1154	PRAKASAM	PARCHUR	Inagallu	Very Low
1155	PRAKASAM	PARCHUR	Nuthalapadu	Very Low
1156	PRAKASAM	PARCHUR	Parchur	Very Low
1157	PRAKASAM	PARCHUR	Ramanayapalem	Very Low
1158	PRAKASAM	PARCHUR	Upputur	Very Low
1159	PRAKASAM	PARCHUR	Veeranna Palem	Low
1160	PRAKASAM	PONNALURU	Muppalla	Very Low
1161	PRAKASAM	PONNALURU	Uppala Dinne	Very Low
1162	PRAKASAM	PONNALURU	Vempadu	Very Low
1163	PRAKASAM	SANTHANUTHALA PADU	Endluru	Very Low
1164	PRAKASAM	SANTHANUTHALA PADU	Lakshmi Puram	Very Low
1165	PRAKASAM	SANTHANUTHALA PADU	Mangamuru	Very Low
1166	PRAKASAM	SANTHANUTHALA PADU	Matti Padu	Very Low
1167	PRAKASAM	SANTHANUTHALA PADU	Padamati Thakkella Padu	Very Low
1168	PRAKASAM	SANTHANUTHALA PADU	Pidathalagudi Padu	Very Low
1169	PRAKASAM	SANTHANUTHALA PADU	Rudravaram	Very Low
1170	PRAKASAM	SINGARAYAKONDA	Bingini Palle	Very Low
1171	PRAKASAM	SINGARAYAKONDA	Kalikivaya	Very Low
1172	PRAKASAM	SINGARAYAKONDA	Mulaguntapadu	Very Low
1173	PRAKASAM	SINGARAYAKONDA	Pakala	Very Low
1174	PRAKASAM	SINGARAYAKONDA	Singarayakonda	Very Low
1175	PRAKASAM	SINGARAYAKONDA	Somarajupalle	Very Low
1176	PRAKASAM	TANGUTUR	Ananthavaram	Very Low
1177	PRAKASAM	TANGUTUR	Gosuvandla Kattubadi	Very Low
1178	PRAKASAM	TANGUTUR	Jayavaram	Very Low
1179	PRAKASAM	TANGUTUR	Kandulur	Very Low
1180	PRAKASAM	TANGUTUR	Karumanchi	Very Low
1181	PRAKASAM	TANGUTUR	Konijedu	Very Low
1182	PRAKASAM	TANGUTUR	M.Nidamalur	Very Low
1183	PRAKASAM	TANGUTUR	Mallavar Padu	Very Low
1184	PRAKASAM	TANGUTUR	Marlapadu	Very Low
1185	PRAKASAM	TANGUTUR	Ponduru	Very Low
1186	PRAKASAM	TANGUTUR	Somavarappadu	Moderate
1187	PRAKASAM	TANGUTUR	Tangutur	Very Low

1188	PRAKASAM	TANGUTUR	Turupunaidupalem	Low
1189	PRAKASAM	TANGUTUR	Valluru	Very Low
1190	PRAKASAM	TANGUTUR	Valluru Kavalimanyam	Very Low
1191	PRAKASAM	TANGUTUR	Vasepallepadu	Low
1192	PRAKASAM	TANGUTUR	Velagapudi	Very Low
1193	PRAKASAM	ULAVAPADU	Atmakur	Low
1194	PRAKASAM	ULAVAPADU	Bheemavaram	Very Low
1195	PRAKASAM	ULAVAPADU	Chagallu	Very Low
1196	PRAKASAM	ULAVAPADU	Chaki Cherla	Very Low
1197	PRAKASAM	ULAVAPADU	Karedu	Very Low
1198	PRAKASAM	ULAVAPADU	Krishnapuram	Very Low
1199	PRAKASAM	ULAVAPADU	Ramayapatnam	Very Low
1200	PRAKASAM	ULAVAPADU	Veerepalle	Very Low
1201	PRAKASAM	VETAPALEM	Kotha Peta (Rural)	Very Low
1202	PRAKASAM	VETAPALEM	Nayani Palli (Rural)	Very Low
1203	PRAKASAM	VETAPALEM	Pandilla Palle	Very Low
1204	PRAKASAM	VETAPALEM	Pullari Palem	Very Low
1205	PRAKASAM	VETAPALEM	Vetapalem	Very Low
1206	PRAKASAM	VOLETIVARIPALEM	East Polineni Palem	Very Low
1207	PRAKASAM	VOLETIVARIPALEM	Kalavalla	Very Low
1208	PRAKASAM	VOLETIVARIPALEM	Kondareddipalem	Very Low
1209	PRAKASAM	VOLETIVARIPALEM	Naladalapur	Very Low
1210	PRAKASAM	VOLETIVARIPALEM	Nekunam Puram K.Kandrika	Very Low
1211	PRAKASAM	VOLETIVARIPALEM	Nekunampuram @ Pokur	Very Low
1212	PRAKASAM	VOLETIVARIPALEM	Sakhavaram	Very Low
1213	PRAKASAM	VOLETIVARIPALEM	Sameerapalem	Very Low
1214	PRAKASAM	VOLETIVARIPALEM	Singamnenipalle	Very Low
1215	PRAKASAM	YEDDANAPUDI	Ananthavaram	Very Low
1216	PRAKASAM	YEDDANAPUDI	Gannavaram	Very Low
1217	PRAKASAM	YEDDANAPUDI	Jagarlamudi	Very Low
1218	PRAKASAM	YEDDANAPUDI	Poluru	Very Low
1219	PRAKASAM	YEDDANAPUDI	Punuru	Very Low
1220	PRAKASAM	YEDDANAPUDI	Vinjanampadu	Very Low
1221	PRAKASAM	YEDDANAPUDI	Yeddanapudi	Very Low
1222	PRAKASAM	ZARUGUMILLI	Chatukupadu	Very Low
1223	PRAKASAM	ZARUGUMILLI	Chirrikura Padu	Very Low
1224	PRAKASAM	ZARUGUMILLI	Davagudur	Very Low
1225	PRAKASAM	ZARUGUMILLI	J.G.Khandrika	Very Low
1226	PRAKASAM	ZARUGUMILLI	N.V.V. Khandrika	Very Low
1227	PRAKASAM	ZARUGUMILLI	Nandanavanam	Very Low
1228	PRAKASAM	ZARUGUMILLI	Narasingolu	Very Low
1229	PRAKASAM	ZARUGUMILLI	P.G. Khandrika	Very Low
1230	PRAKASAM	ZARUGUMILLI	Paidi Padu	Very Low
1231	PRAKASAM	ZARUGUMILLI	Paleti Padu	Very Low

1232	PRAKASAM	ZARUGUMILLI	Paleti Padumacharlavari Khandrika	Very Low
1233	PRAKASAM	ZARUGUMILLI	Ramachandrapuram	Very Low
1234	PRAKASAM	ZARUGUMILLI	Thumadu	Very Low
1235	PRAKASAM	ZARUGUMILLI	Zarugumilli	Very Low
1236	S.P.S.NELLORE	ALLUR	Allur	Low
1237	S.P.S.NELLORE	ALLUR	Allurupeta	Low
1238	S.P.S.NELLORE	ALLUR	Anathabotlavari Khandrika	Very Low
1239	S.P.S.NELLORE	ALLUR	Batrakagollu	Very Low
1240	S.P.S.NELLORE	ALLUR	Beeramgunta	Very Low
1241	S.P.S.NELLORE	ALLUR	Gogulapalle	Very Low
1242	S.P.S.NELLORE	ALLUR	Graddagunta	Low
1243	S.P.S.NELLORE	ALLUR	Indupuru	Low
1244	S.P.S.NELLORE	ALLUR	Isakapalle	Very Low
1245	S.P.S.NELLORE	ALLUR	Kalambotlavari Khandrika	Very Low
1246	S.P.S.NELLORE	ALLUR	North Amuluru	Very Low
1247	S.P.S.NELLORE	ALLUR	North Mopuru	Very Low
1248	S.P.S.NELLORE	ALLUR	Purini	Low
1249	S.P.S.NELLORE	ALLUR	Singapeta	Moderate
1250	S.P.S.NELLORE	ALLUR	Velicherla	Very Low
1251	S.P.S.NELLORE	ANANTHASAGARAM	Bedusupalle	Very Low
1252	S.P.S.NELLORE	ANANTHASAGARAM	Devarayapalle Bit- I	Very Low
1253	S.P.S.NELLORE	ANANTHASAGARAM	Inagalur	Very Low
1254	S.P.S.NELLORE	ANANTHASAGARAM	Padamati Kambhampadu	Very Low
1255	S.P.S.NELLORE	ANANTHASAGARAM	Pathalapalle	Very Low
1256	S.P.S.NELLORE	ANANTHASAGARAM	Revuru	Very Low
1257	S.P.S.NELLORE	ANANTHASAGARAM	Uppalapadu	Very Low
1258	S.P.S.NELLORE	ANANTHASAGARAM	Varekuntapadu	Very Low
1259	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Anumasamudram	Very Low
1260	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Anumasamudrampeta	Very Low
1261	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Chiramana	Very Low
1262	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Gumparlapadu	Very Low
1263	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Kakarlapadu	Very Low
1264	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Kondameeda Konduru	Very Low
1265	S.P.S.NELLORE	ANUMASAMUDRAMPETA	Kuppurupadu	Very Low
1266	S.P.S.NELLORE	ATMAKUR	Atmakur	Very Low
1267	S.P.S.NELLORE	ATMAKUR	Bandarupalle	Very Low
1268	S.P.S.NELLORE	ATMAKUR	Battepadu	Very Low
1269	S.P.S.NELLORE	ATMAKUR	Kanupurupalle	Very Low
1270	S.P.S.NELLORE	ATMAKUR	Vasili	Very Low
1271	S.P.S.NELLORE	BALAYAPALLE	Akkasamudram	Very Low
1272	S.P.S.NELLORE	BALAYAPALLE	Challanarasu Khandrika	Very Low
1273	S.P.S.NELLORE	BALAYAPALLE	Kadagunta	Very Low
1274	S.P.S.NELLORE	BALAYAPALLE	Kovurivarigunta	Very Low
1275	S.P.S.NELLORE	BALAYAPALLE	Melchuru	Very Low

1276	S.P.S.NELLORE	BALAYAPALLE	Nindali	Very Low
1277	S.P.S.NELLORE	BALAYAPALLE	Perimidi	Very Low
1278	S.P.S.NELLORE	BALAYAPALLE	Vengamambapuram	Very Low
1279	S.P.S.NELLORE	BALAYAPALLE	Venkatareddipalle	Very Low
1280	S.P.S.NELLORE	BOGOLE	Allimadugu	Moderate
1281	S.P.S.NELLORE	BOGOLE	Bitragunta	Very Low
1282	S.P.S.NELLORE	BOGOLE	Bogole	Very Low
1283	S.P.S.NELLORE	BOGOLE	Jakkepalligudur	Very Low
1284	S.P.S.NELLORE	BOGOLE	Juvvaladinne	Very Low
1285	S.P.S.NELLORE	BOGOLE	kovurupalli	Moderate
1286	S.P.S.NELLORE	BOGOLE	Mungamur	Low
1287	S.P.S.NELLORE	BOGOLE	Sambasivapuram	Low
1288	S.P.S.NELLORE	BOGOLE	Siddavarapu Venkatesupalem	Very Low
1289	S.P.S.NELLORE	BOGOLE	Thalluru	Very Low
1290	S.P.S.NELLORE	BOGOLE	Umamaheswarapuram	Moderate
1291	S.P.S.NELLORE	BUCHIREDDIPALEM	Chellayapalem	Very Low
1292	S.P.S.NELLORE	BUCHIREDDIPALEM	Damaramadugu	Very Low
1293	S.P.S.NELLORE	BUCHIREDDIPALEM	Isakapalem	Very Low
1294	S.P.S.NELLORE	BUCHIREDDIPALEM	Jonnawada	Very Low
1295	S.P.S.NELLORE	BUCHIREDDIPALEM	Kalayakagollu	Very Low
1296	S.P.S.NELLORE	BUCHIREDDIPALEM	Kavetipalem	Very Low
1297	S.P.S.NELLORE	BUCHIREDDIPALEM	Nagamambapuram	Very Low
1298	S.P.S.NELLORE	BUCHIREDDIPALEM	Panchedu	Very Low
1299	S.P.S.NELLORE	BUCHIREDDIPALEM	Penuballe	Very Low
1300	S.P.S.NELLORE	BUCHIREDDIPALEM	Rebala	Very Low
1301	S.P.S.NELLORE	BUCHIREDDIPALEM	Sreerangaraja -Puram	Very Low
1302	S.P.S.NELLORE	BUCHIREDDIPALEM	Vavveru	Very Low
1303	S.P.S.NELLORE	CHEJERLA	Pathapadu	Very Low
1304	S.P.S.NELLORE	CHEJERLA	Pelleru	Very Low
1305	S.P.S.NELLORE	CHEJERLA	Thimmayapalem	Very Low
1306	S.P.S.NELLORE	CHILLAKUR	Addepalle	Very Low
1307	S.P.S.NELLORE	CHILLAKUR	Ankulapaturu	Very Low
1308	S.P.S.NELLORE	CHILLAKUR	Annambaka	Very Low
1309	S.P.S.NELLORE	CHILLAKUR	Ballavolu	Very Low
1310	S.P.S.NELLORE	CHILLAKUR	Chillakur	Very Low
1311	S.P.S.NELLORE	CHILLAKUR	Chinthavaram	Very Low
1312	S.P.S.NELLORE	CHILLAKUR	Ippapudi	Very Low
1313	S.P.S.NELLORE	CHILLAKUR	Kalava Konda	Very Low
1314	S.P.S.NELLORE	CHILLAKUR	Momidi	Very Low
1315	S.P.S.NELLORE	CHILLAKUR	Mutyalapadu (Rural)	Low
1316	S.P.S.NELLORE	CHILLAKUR	Nakkalakalva Khandrika	Very Low
1317	S.P.S.NELLORE	CHILLAKUR	Pallamala	Very Low
1318	S.P.S.NELLORE	CHILLAKUR	Pallamala Khandrika	Very Low
1319	S.P.S.NELLORE	CHILLAKUR	Pentapadu	Low

1320	S.P.S.NELLORE	CHILLAKUR	Ponnavolu	Very Low
1321	S.P.S.NELLORE	CHILLAKUR	Thikkavaram	Very Low
1322	S.P.S.NELLORE	CHILLAKUR	Thonukumala	Very Low
1323	S.P.S.NELLORE	CHILLAKUR	Turpu Kanupur	Very Low
1324	S.P.S.NELLORE	CHILLAKUR	Udathavaripalem	Very Low
1325	S.P.S.NELLORE	CHILLAKUR	Udathavariparlapalle	Very Low
1326	S.P.S.NELLORE	CHILLAKUR	Vallipadu	Very Low
1327	S.P.S.NELLORE	CHILLAKUR	Vellapalem	Very Low
1328	S.P.S.NELLORE	CHILLAKUR	Yeruru	Very Low
1329	S.P.S.NELLORE	CHITTAMUR	Addepudi	Very Low
1330	S.P.S.NELLORE	CHITTAMUR	Aruru	Very Low
1331	S.P.S.NELLORE	CHITTAMUR	Chillamuru	Very Low
1332	S.P.S.NELLORE	CHITTAMUR	Chittamur	Very Low
1333	S.P.S.NELLORE	CHITTAMUR	Devuni Khandrika	Very Low
1334	S.P.S.NELLORE	CHITTAMUR	Ellore	Very Low
1335	S.P.S.NELLORE	CHITTAMUR	Eswarawaka	Very Low
1336	S.P.S.NELLORE	CHITTAMUR	Gangupalem	Very Low
1337	S.P.S.NELLORE	CHITTAMUR	Gollapalem	Very Low
1338	S.P.S.NELLORE	CHITTAMUR	Gunupadu	Very Low
1339	S.P.S.NELLORE	CHITTAMUR	Jalapeddipalem	Very Low
1340	S.P.S.NELLORE	CHITTAMUR	Kalagurthipadu	Very Low
1341	S.P.S.NELLORE	CHITTAMUR	Kogili	Very Low
1342	S.P.S.NELLORE	CHITTAMUR	Kokkupalem	Very Low
1343	S.P.S.NELLORE	CHITTAMUR	Kothapalem	Very Low
1344	S.P.S.NELLORE	CHITTAMUR	Mallam	Low
1345	S.P.S.NELLORE	CHITTAMUR	Mangalavaripalle	Very Low
1346	S.P.S.NELLORE	CHITTAMUR	Mannemala	Very Low
1347	S.P.S.NELLORE	CHITTAMUR	Marlamudi Jangalapalle	Very Low
1348	S.P.S.NELLORE	CHITTAMUR	Mettu	Very Low
1349	S.P.S.NELLORE	CHITTAMUR	Molakalapudi	Very Low
1350	S.P.S.NELLORE	CHITTAMUR	Mukkidipalem	Very Low
1351	S.P.S.NELLORE	CHITTAMUR	Padarthivari- Khandrika	Very Low
1352	S.P.S.NELLORE	CHITTAMUR	Palamparthy	Very Low
1353	S.P.S.NELLORE	CHITTAMUR	Pellakuru	Very Low
1354	S.P.S.NELLORE	CHITTAMUR	Perantravulamitta	Very Low
1355	S.P.S.NELLORE	CHITTAMUR	Pittivanipalle	Very Low
1356	S.P.S.NELLORE	CHITTAMUR	Pothunayanipalle	Very Low
1357	S.P.S.NELLORE	CHITTAMUR	Pulicat Lake	Very Low
1358	S.P.S.NELLORE	CHITTAMUR	Putragunta	Very Low
1359	S.P.S.NELLORE	CHITTAMUR	Ranganathapuram	Low
1360	S.P.S.NELLORE	CHITTAMUR	Rayareddipalem	Very Low
1361	S.P.S.NELLORE	CHITTAMUR	Somasamudram	Low
1362	S.P.S.NELLORE	CHITTAMUR	Tadimedu	Low
1363	S.P.S.NELLORE	CHITTAMUR	Uppalamarthi	Very Low

1364	S.P.S.NELLORE	CHITTAMUR	Vadlavanipalle	Very Low
1365	S.P.S.NELLORE	CHITTAMUR	Varthur North	Very Low
1366	S.P.S.NELLORE	CHITTAMUR	Veligajulapalle	Very Low
1367	S.P.S.NELLORE	CHITTAMUR	Yakasiri	Very Low
1368	S.P.S.NELLORE	CHITTAMUR	Yellasiri	Very Low
1369	S.P.S.NELLORE	DAGADARTHI	Ananthavaram	Very Low
1370	S.P.S.NELLORE	DAGADARTHI	Bodagudipadu	Very Low
1371	S.P.S.NELLORE	DAGADARTHI	Chennuru	Very Low
1372	S.P.S.NELLORE	DAGADARTHI	Choutaputhedu	Very Low
1373	S.P.S.NELLORE	DAGADARTHI	Dagadarthi	Very Low
1374	S.P.S.NELLORE	DAGADARTHI	Damavaram	Very Low
1375	S.P.S.NELLORE	DAGADARTHI	Ithampadu	Very Low
1376	S.P.S.NELLORE	DAGADARTHI	Kaminenipalem	Very Low
1377	S.P.S.NELLORE	DAGADARTHI	Katrayapadu	Very Low
1378	S.P.S.NELLORE	DAGADARTHI	Lingalapadu	Very Low
1379	S.P.S.NELLORE	DAGADARTHI	Manubolupadu	Very Low
1380	S.P.S.NELLORE	DAGADARTHI	Marellapadu	Very Low
1381	S.P.S.NELLORE	DAGADARTHI	Pedaputhedu	Very Low
1382	S.P.S.NELLORE	DAGADARTHI	Rangasamudram	Very Low
1383	S.P.S.NELLORE	DAGADARTHI	Thiruveedhipadu	Very Low
1384	S.P.S.NELLORE	DAGADARTHI	Thurimerla	Very Low
1385	S.P.S.NELLORE	DAGADARTHI	Uchaguntapalem	Very Low
1386	S.P.S.NELLORE	DAGADARTHI	Velupodu	Very Low
1387	S.P.S.NELLORE	DAGADARTHI	Yelamanchipadu	Very Low
1388	S.P.S.NELLORE	DAKKILI	Chakalapalle	Very Low
1389	S.P.S.NELLORE	DAKKILI	Chapalapalle	Very Low
1390	S.P.S.NELLORE	DAKKILI	Cheekirenipalle	Very Low
1391	S.P.S.NELLORE	DAKKILI	Chennasamudram	Very Low
1392	S.P.S.NELLORE	DAKKILI	Dandavolu	Very Low
1393	S.P.S.NELLORE	DAKKILI	Kandalavaripalle	Very Low
1394	S.P.S.NELLORE	DAKKILI	Matumadugu	Very Low
1395	S.P.S.NELLORE	DAKKILI	Mopuru	Very Low
1396	S.P.S.NELLORE	DAKKILI	Nagavolu	Very Low
1397	S.P.S.NELLORE	DAKKILI	Nagulapadu	Very Low
1398	S.P.S.NELLORE	DAKKILI	Palugodu	Very Low
1399	S.P.S.NELLORE	DAKKILI	Pedayachasamudram	Very Low
1400	S.P.S.NELLORE	DAKKILI	Sreepuram	Very Low
1401	S.P.S.NELLORE	DAKKILI	Theerthampadu	Very Low
1402	S.P.S.NELLORE	DAKKILI	Thimmayapalem	Very Low
1403	S.P.S.NELLORE	DORAVARISATRAM	Adapamudi	Very Low
1404	S.P.S.NELLORE	DORAVARISATRAM	Anegottam	Very Low
1405	S.P.S.NELLORE	DORAVARISATRAM	Ayyapalem	Very Low
1406	S.P.S.NELLORE	DORAVARISATRAM	Buduru	Very Low
1407	S.P.S.NELLORE	DORAVARISATRAM	Buradamadugu	Very Low

1408	S.P.S.NELLORE	DORAVARISATRAM	Chandanamudi	Very Low
1409	S.P.S.NELLORE	DORAVARISATRAM	Damaraya Khandrika	Very Low
1410	S.P.S.NELLORE	DORAVARISATRAM	Kalluru	Very Low
1411	S.P.S.NELLORE	DORAVARISATRAM	Kalluru Khandrika	Very Low
1412	S.P.S.NELLORE	DORAVARISATRAM	Karatamudi	Very Low
1413	S.P.S.NELLORE	DORAVARISATRAM	Kattuvapalle	Very Low
1414	S.P.S.NELLORE	DORAVARISATRAM	Kothapalle	Very Low
1415	S.P.S.NELLORE	DORAVARISATRAM	Lingampadu	Very Low
1416	S.P.S.NELLORE	DORAVARISATRAM	Mallayapalem	Very Low
1417	S.P.S.NELLORE	DORAVARISATRAM	Maneri	Very Low
1418	S.P.S.NELLORE	DORAVARISATRAM	Mavillapadu	Very Low
1419	S.P.S.NELLORE	DORAVARISATRAM	Melupaka	Very Low
1420	S.P.S.NELLORE	DORAVARISATRAM	Minamanamudi	Very Low
1421	S.P.S.NELLORE	DORAVARISATRAM	Modugulapalem	Very Low
1422	S.P.S.NELLORE	DORAVARISATRAM	Muchalagunta	Very Low
1423	S.P.S.NELLORE	DORAVARISATRAM	Mylangam	Very Low
1424	S.P.S.NELLORE	DORAVARISATRAM	Nelaballi	Very Low
1425	S.P.S.NELLORE	DORAVARISATRAM	Nelapattu	Very Low
1426	S.P.S.NELLORE	DORAVARISATRAM	Nellorepalle	Very Low
1427	S.P.S.NELLORE	DORAVARISATRAM	P.Khandrika (Arigundram)	Very Low
1428	S.P.S.NELLORE	DORAVARISATRAM	Poolathota	Very Low
1429	S.P.S.NELLORE	DORAVARISATRAM	Pulicat Lake	Very Low
1430	S.P.S.NELLORE	DORAVARISATRAM	Singanalathuru	Very Low
1431	S.P.S.NELLORE	DORAVARISATRAM	Sridhanamalli	Very Low
1432	S.P.S.NELLORE	DORAVARISATRAM	Suragunta Tagelu	Very Low
1433	S.P.S.NELLORE	DORAVARISATRAM	Tallampadu	Very Low
1434	S.P.S.NELLORE	DORAVARISATRAM	Thaneyali	Very Low
1435	S.P.S.NELLORE	DORAVARISATRAM	Thogaramudi	Very Low
1436	S.P.S.NELLORE	DORAVARISATRAM	Utchuru	Very Low
1437	S.P.S.NELLORE	DORAVARISATRAM	Vedurupattu	Very Low
1438	S.P.S.NELLORE	DORAVARISATRAM	Vengamambapuram	Very Low
1439	S.P.S.NELLORE	DORAVARISATRAM	Venumbaka	Very Low
1440	S.P.S.NELLORE	DORAVARISATRAM	Vetagiripalem	Very Low
1441	S.P.S.NELLORE	DORAVARISATRAM	Yekollu	Very Low
1442	S.P.S.NELLORE	GUDUR	Chemidthi	Very Low
1443	S.P.S.NELLORE	GUDUR	Chennuru - I	Very Low
1444	S.P.S.NELLORE	GUDUR	Chennuru ? II	Very Low
1445	S.P.S.NELLORE	GUDUR	East Gudur (Rural)	Very Low
1446	S.P.S.NELLORE	GUDUR	Kandali	Very Low
1447	S.P.S.NELLORE	GUDUR	Kommaneturu	Very Low
1448	S.P.S.NELLORE	GUDUR	Mittathmakuru	Very Low
1449	S.P.S.NELLORE	GUDUR	N.Sangameswaraswamy Khandrika	Very Low
1450	S.P.S.NELLORE	GUDUR	Nellatur (Rural)	Very Low
1451	S.P.S.NELLORE	GUDUR	Nernur	Very Low

1452	S.P.S.NELLORE	GUDUR	Vinduru	Very Low
1453	S.P.S.NELLORE	GUDUR	West Gudur (Rural)	Very Low
1454	S.P.S.NELLORE	INDUKURPET	INDUKURPET BIT -II	Very Low
1455	S.P.S.NELLORE	INDUKURPET	INDUKURPET BIT-I	Very Low
1456	S.P.S.NELLORE	INDUKURPET	Jangamvani Doruvu	Very Low
1457	S.P.S.NELLORE	INDUKURPET	Komarika	Very Low
1458	S.P.S.NELLORE	INDUKURPET	Mudivarthi Palem	Very Low
1459	S.P.S.NELLORE	INDUKURPET	Mypadu	Very Low
1460	S.P.S.NELLORE	INDUKURPET	Pogada Doruvu Khandrika	Very Low
1461	S.P.S.NELLORE	INDUKURPET	Punnur	Very Low
1462	S.P.S.NELLORE	INDUKURPET	Somarajupalle	Very Low
1463	S.P.S.NELLORE	JALADANKI	Annavaram	Very Low
1464	S.P.S.NELLORE	JALADANKI	Brahmanakraka	Very Low
1465	S.P.S.NELLORE	JALADANKI	Chamadala	Very Low
1466	S.P.S.NELLORE	JALADANKI	China Kraka	Very Low
1467	S.P.S.NELLORE	JALADANKI	Jaladanki	Very Low
1468	S.P.S.NELLORE	JALADANKI	Jammalapalem	Very Low
1469	S.P.S.NELLORE	JALADANKI	Kodandaramapuram	Very Low
1470	S.P.S.NELLORE	JALADANKI	Krishnapadu	Very Low
1471	S.P.S.NELLORE	JALADANKI	Somavarappadu	Very Low
1472	S.P.S.NELLORE	KALIGIRI	Gudladona	Very Low
1473	S.P.S.NELLORE	KALIGIRI	Peda Annaluru	Very Low
1474	S.P.S.NELLORE	KALIGIRI	Ravulakollu	Very Low
1475	S.P.S.NELLORE	KALIGIRI	Velagapadu	Very Low
1476	S.P.S.NELLORE	KALIGIRI	Venkannapalem	Very Low
1477	S.P.S.NELLORE	KALUVOYA	Brahmanapalle	Very Low
1478	S.P.S.NELLORE	KALUVOYA	Isakapalle	Very Low
1479	S.P.S.NELLORE	KALUVOYA	Kaluvoya	Very Low
1480	S.P.S.NELLORE	KALUVOYA	Kulluru	Very Low
1481	S.P.S.NELLORE	KALUVOYA	Nukanapalle	Very Low
1482	S.P.S.NELLORE	KAVALI	Anemadugu	Very Low
1483	S.P.S.NELLORE	KAVALI	Budamagunta	Very Low
1484	S.P.S.NELLORE	KAVALI	Chennayapalem	Very Low
1485	S.P.S.NELLORE	KAVALI	Gowravaram	Low
1486	S.P.S.NELLORE	KAVALI	Kavali Bit - II (Rural)	Very Low
1487	S.P.S.NELLORE	KAVALI	Maddurupadu (Rural)	Very Low
1488	S.P.S.NELLORE	KAVALI	Mannangidinne	Moderate
1489	S.P.S.NELLORE	KAVALI	Musunuru (Rural)	Very Low
1490	S.P.S.NELLORE	KAVALI	Rudrakota	Very Low
1491	S.P.S.NELLORE	KAVALI	Thallapalem	Low
1492	S.P.S.NELLORE	KAVALI	Thummalapenta	Very Low
1493	S.P.S.NELLORE	KODAVALUR	Alurupadu	Very Low
1494	S.P.S.NELLORE	KODAVALUR	Basavaipalem	Very Low
1495	S.P.S.NELLORE	KODAVALUR	Bodduvaripalem	Very Low

1496	S.P.S.NELLORE	KODAVALUR	Damegunta	Very Low
1497	S.P.S.NELLORE	KODAVALUR	Gandavaram	Very Low
1498	S.P.S.NELLORE	KODAVALUR	Gotlapalem	Low
1499	S.P.S.NELLORE	KODAVALUR	Gundalammapalem	Very Low
1500	S.P.S.NELLORE	KODAVALUR	Kodavalur	Very Low
1501	S.P.S.NELLORE	KODAVALUR	Kothavangallu	Very Low
1502	S.P.S.NELLORE	KODAVALUR	Maneguntapadu	Very Low
1503	S.P.S.NELLORE	KODAVALUR	Naidupalem	Very Low
1504	S.P.S.NELLORE	KODAVALUR	North Rajupalem	Very Low
1505	S.P.S.NELLORE	KODAVALUR	Ramannapalem	Very Low
1506	S.P.S.NELLORE	KODAVALUR	Talamanchi	Very Low
1507	S.P.S.NELLORE	KODAVALUR	Venkannapuram	Very Low
1508	S.P.S.NELLORE	KODAVALUR	Yellayapalem	Very Low
1509	S.P.S.NELLORE	KONDAPURAM	Bhimavarappadu	Very Low
1510	S.P.S.NELLORE	KONDAPURAM	Ganugapenta	Very Low
1511	S.P.S.NELLORE	KONDAPURAM	Garimenapenta	Very Low
1512	S.P.S.NELLORE	KONDAPURAM	Gudavalluru (Kondapuram)	Very Low
1513	S.P.S.NELLORE	KONDAPURAM	Iskadamerla	Very Low
1514	S.P.S.NELLORE	KONDAPURAM	Kasturinaidupalle	Very Low
1515	S.P.S.NELLORE	KONDAPURAM	Kommi	Very Low
1516	S.P.S.NELLORE	KONDAPURAM	Marrigunta	Very Low
1517	S.P.S.NELLORE	KONDAPURAM	Nekunampeta	Very Low
1518	S.P.S.NELLORE	KONDAPURAM	Parlapalle	Very Low
1519	S.P.S.NELLORE	KONDAPURAM	Saipeta	Very Low
1520	S.P.S.NELLORE	KONDAPURAM	Satyavolu	Very Low
1521	S.P.S.NELLORE	KONDAPURAM	Thurpuyerraballe	Very Low
1522	S.P.S.NELLORE	KONDAPURAM	Veligandla	Very Low
1523	S.P.S.NELLORE	КОТА	Allampadu	Very Low
1524	S.P.S.NELLORE	КОТА	Chendodu	Very Low
1525	S.P.S.NELLORE	КОТА	Chittodu	Very Low
1526	S.P.S.NELLORE	КОТА	Gudali	Very Low
1527	S.P.S.NELLORE	КОТА	Illukurupadu	Very Low
1528	S.P.S.NELLORE	КОТА	Karlapudi	Very Low
1529	S.P.S.NELLORE	КОТА	Kota	Very Low
1530	S.P.S.NELLORE	КОТА	Kothapalem	Low
1531	S.P.S.NELLORE	КОТА	Kothapatnam	Very Low
1532	S.P.S.NELLORE	КОТА	Lakshmakka Khandriga @ Chembadipalem	Very Low
1533	S.P.S.NELLORE	КОТА	Maddali	Very Low
1534	S.P.S.NELLORE	КОТА	Nellorepalle	Very Low
1535	S.P.S.NELLORE	КОТА	Putchalapalle	Very Low
1536	S.P.S.NELLORE	КОТА	Rudravaram	Very Low
1537	S.P.S.NELLORE	КОТА	Siddavaram	Very Low
1538	S.P.S.NELLORE	КОТА	Thinnelapudi	Low
1539	S.P.S.NELLORE	КОТА	Uthamanellore	Very Low

1540	S.P.S.NELLORE	КОТА	Vanjivaka	Very Low
1541	S.P.S.NELLORE	KOVUR	Cherlopalem	Very Low
1542	S.P.S.NELLORE	KOVUR	Gangavaram	Very Low
1543	S.P.S.NELLORE	KOVUR	Inamadugu	Very Low
1544	S.P.S.NELLORE	KOVUR	Kovur	Very Low
1545	S.P.S.NELLORE	KOVUR	Modegunta	Very Low
1546	S.P.S.NELLORE	KOVUR	Patur	Very Low
1547	S.P.S.NELLORE	KOVUR	Pothireddipalem	Very Low
1548	S.P.S.NELLORE	KOVUR	Vegur	Very Low
1549	S.P.S.NELLORE	MANUBOLU	Akkampeta	Very Low
1550	S.P.S.NELLORE	MANUBOLU	Anupallipadu	Very Low
1551	S.P.S.NELLORE	MANUBOLU	Baddevolu	Low
1552	S.P.S.NELLORE	MANUBOLU	Bandepalle	Very Low
1553	S.P.S.NELLORE	MANUBOLU	Cherukumudi	Very Low
1554	S.P.S.NELLORE	MANUBOLU	Gurivindapudi	Very Low
1555	S.P.S.NELLORE	MANUBOLU	Kagithalapuru	Very Low
1556	S.P.S.NELLORE	MANUBOLU	Kattuvapalle	Low
1557	S.P.S.NELLORE	MANUBOLU	Kolanukuduru	Low
1558	S.P.S.NELLORE	MANUBOLU	Kudithipalle	Very Low
1559	S.P.S.NELLORE	MANUBOLU	Madamanuru	Very Low
1560	S.P.S.NELLORE	MANUBOLU	Manubolu	Very Low
1561	S.P.S.NELLORE	MANUBOLU	Muddumudi	Very Low
1562	S.P.S.NELLORE	MANUBOLU	Parlapadu	Very Low
1563	S.P.S.NELLORE	MANUBOLU	Pidur	Low
1564	S.P.S.NELLORE	MANUBOLU	Pidurupalem	Low
1565	S.P.S.NELLORE	MANUBOLU	Vadlapudi	Very Low
1566	S.P.S.NELLORE	MANUBOLU	Venkanapalem	Low
1567	S.P.S.NELLORE	MUTHUKUR	Amudalapadu	Very Low
1568	S.P.S.NELLORE	MUTHUKUR	Brahmadevam	Low
1569	S.P.S.NELLORE	MUTHUKUR	Epuru Bit-l-A	Very Low
1570	S.P.S.NELLORE	MUTHUKUR	Epuru Bit - I - B	Very Low
1571	S.P.S.NELLORE	MUTHUKUR	Krishnapatnam	Very Low
1572	S.P.S.NELLORE	MUTHUKUR	Mamidipudi	Very Low
1573	S.P.S.NELLORE	MUTHUKUR	Mollur	Very Low
1574	S.P.S.NELLORE	MUTHUKUR	Muthukur	Very Low
1575	S.P.S.NELLORE	MUTHUKUR	Narikellapalle	Very Low
1576	S.P.S.NELLORE	MUTHUKUR	Nelaturu	Very Low
1577	S.P.S.NELLORE	MUTHUKUR	Pidatapolur	Very Low
1578	S.P.S.NELLORE	MUTHUKUR	Pynampuram	Very Low
1579	S.P.S.NELLORE	MUTHUKUR	Survepalle Bit - V	Low
1580	S.P.S.NELLORE	MUTHUKUR	Valluru	Very Low
1581	S.P.S.NELLORE	MUTHUKUR	Valluruvari Khandrika	Very Low
1582	S.P.S.NELLORE	NAIDUPET	Annamedu	Very Low
1583	S.P.S.NELLORE	NAIDUPET	Aravaperimidi	Very Low

1584	S.P.S.NELLORE	NAIDUPET	Athalapalem	Low
1585	S.P.S.NELLORE	NAIDUPET	Ayyapareddipalem	Very Low
1586	S.P.S.NELLORE	NAIDUPET	Bheemavaram	Very Low
1587	S.P.S.NELLORE	NAIDUPET	Biradawada	Very Low
1588	S.P.S.NELLORE	NAIDUPET	Chigurupadu	Very Low
1589	S.P.S.NELLORE	NAIDUPET	Chigurupadu Agraharam	Very Low
1590	S.P.S.NELLORE	NAIDUPET	Chillamathur	Very Low
1591	S.P.S.NELLORE	NAIDUPET	Dwarakapuram	Very Low
1592	S.P.S.NELLORE	NAIDUPET	Gottiprolu	Very Low
1593	S.P.S.NELLORE	NAIDUPET	Juvvalapalem	Very Low
1594	S.P.S.NELLORE	NAIDUPET	Kallipedu	Very Low
1595	S.P.S.NELLORE	NAIDUPET	Kapuluru	Very Low
1596	S.P.S.NELLORE	NAIDUPET	Karumanchivari Khandrika	Very Low
1597	S.P.S.NELLORE	NAIDUPET	Kuchiwada	Very Low
1598	S.P.S.NELLORE	NAIDUPET	L.A.Sagaram	Very Low
1599	S.P.S.NELLORE	NAIDUPET	Lankapalem	Very Low
1600	S.P.S.NELLORE	NAIDUPET	Marlapalle	Very Low
1601	S.P.S.NELLORE	NAIDUPET	Menakuru	Very Low
1602	S.P.S.NELLORE	NAIDUPET	Palepolam	Very Low
1603	S.P.S.NELLORE	NAIDUPET	Pandluru	Very Low
1604	S.P.S.NELLORE	NAIDUPET	Puderu	Very Low
1605	S.P.S.NELLORE	NAIDUPET	Puduru	Very Low
1606	S.P.S.NELLORE	NAIDUPET	Thannamala	Very Low
1607	S.P.S.NELLORE	NAIDUPET	Thimmaji Khandrika	Very Low
1608	S.P.S.NELLORE	NAIDUPET	Thummur (R)	Very Low
1609	S.P.S.NELLORE	NAIDUPET	Vaddigunta Khandrika	Very Low
1610	S.P.S.NELLORE	NAIDUPET	Vengamambapuram	Very Low
1611	S.P.S.NELLORE	NAIDUPET	Vinnamala	Very Low
1612	S.P.S.NELLORE	NAIDUPET	Yerramsettipalem	Very Low
1613	S.P.S.NELLORE	NELLORE	Akkacheruvupadu	Very Low
1614	S.P.S.NELLORE	NELLORE	Amancherla	Very Low
1615	S.P.S.NELLORE	NELLORE	Chintareddipalem	Very Low
1616	S.P.S.NELLORE	NELLORE	Devarapalem	Very Low
1617	S.P.S.NELLORE	NELLORE	Golla Kandukur	Very Low
1618	S.P.S.NELLORE	NELLORE	Gundlapalem	Very Low
1619	S.P.S.NELLORE	NELLORE	Kakupalle -II (M.R. Gudur)	Low
1620	S.P.S.NELLORE	NELLORE	Kakupalle-I	Low
1621	S.P.S.NELLORE	NELLORE	Kallurpalle (Rural)	Very Low
1622	S.P.S.NELLORE	NELLORE	Kandamur	Very Low
1623	S.P.S.NELLORE	NELLORE	Kanuparthipadu	Low
1624	S.P.S.NELLORE	NELLORE	KONDAYAPALEM	Very Low
1625	S.P.S.NELLORE	NELLORE	Mannavarappadu	Very Low
1626	S.P.S.NELLORE	NELLORE	Mogallapalem	Very Low
1627	S.P.S.NELLORE	NELLORE	Mulumudi	Very Low

1628	S.P.S.NELLORE	NELLORE	Pedda Cherukur	Very Low
1629	S.P.S.NELLORE	NELLORE	Penubarthi	Low
1630	S.P.S.NELLORE	NELLORE	Sajjapuram	Very Low
1631	S.P.S.NELLORE	NELLORE	South Mopur	Very Low
1632	S.P.S.NELLORE	NELLORE	Upputur	Very Low
1633	S.P.S.NELLORE	NELLORE	Vellanti	Very Low
1634	S.P.S.NELLORE	NELLORE	Visavaviletipadu	Very Low
1635	S.P.S.NELLORE	OJILI	Acharlaparlapalle	Very Low
1636	S.P.S.NELLORE	OJILI	Athivaram Kothapalem	Very Low
1637	S.P.S.NELLORE	OJILI	Bhathalapuram	Very Low
1638	S.P.S.NELLORE	OJILI	Bhatlakanupuru	Very Low
1639	S.P.S.NELLORE	OJILI	Garudagunta Agraharam	Very Low
1640	S.P.S.NELLORE	OJILI	Graddagunta	Very Low
1641	S.P.S.NELLORE	OJILI	Josyulavari Khandrika	Very Low
1642	S.P.S.NELLORE	OJILI	Karaballavolu	Very Low
1643	S.P.S.NELLORE	OJILI	Kondavallipadu	Very Low
1644	S.P.S.NELLORE	OJILI	Kotha Cheruvu	Very Low
1645	S.P.S.NELLORE	OJILI	Kothapeta	Very Low
1646	S.P.S.NELLORE	OJILI	Kurugonda	Very Low
1647	S.P.S.NELLORE	OJILI	Machavaram	Very Low
1648	S.P.S.NELLORE	OJILI	Manamala	Very Low
1649	S.P.S.NELLORE	OJILI	Manavali	Very Low
1650	S.P.S.NELLORE	OJILI	Nemallapudi	Very Low
1651	S.P.S.NELLORE	OJILI	Ojili	Very Low
1652	S.P.S.NELLORE	OJILI	Punnepalle	Very Low
1653	S.P.S.NELLORE	OJILI	Rudrayapalem	Very Low
1654	S.P.S.NELLORE	OJILI	Vakativari Khandrika	Very Low
1655	S.P.S.NELLORE	OJILI	Venkatareddipalem	Very Low
1656	S.P.S.NELLORE	OJILI	Vijayanellore	Very Low
1657	S.P.S.NELLORE	PELLAKUR	Anakavolu	Very Low
1658	S.P.S.NELLORE	PELLAKUR	Ardhamala	Very Low
1659	S.P.S.NELLORE	PELLAKUR	Arlapadu	Very Low
1660	S.P.S.NELLORE	PELLAKUR	Bangarammapeta	Very Low
1661	S.P.S.NELLORE	PELLAKUR	Chavali	Very Low
1662	S.P.S.NELLORE	PELLAKUR	Chembedu	Low
1663	S.P.S.NELLORE	PELLAKUR	Chennappanaidupeta	Very Low
1664	S.P.S.NELLORE	PELLAKUR	Chillakur	Very Low
1665	S.P.S.NELLORE	PELLAKUR	Chintapudi	Very Low
1666	S.P.S.NELLORE	PELLAKUR	Jeellapatur	Very Low
1667	S.P.S.NELLORE	PELLAKUR	Kalavakur	Very Low
1668	S.P.S.NELLORE	PELLAKUR	Kothur	Very Low
1669	S.P.S.NELLORE	PELLAKUR	Modugulapalem	Very Low
1670	S.P.S.NELLORE	PELLAKUR	Nandimala	Very Low
1671	S.P.S.NELLORE	PELLAKUR	Neleballi	Very Low

1672	S.P.S.NELLORE	PELLAKUR	P.C.Khandrika	Very Low
1673	S.P.S.NELLORE	PELLAKUR	Palachur	Very Low
1674	S.P.S.NELLORE	PELLAKUR	Pellakur	Very Low
1675	S.P.S.NELLORE	PELLAKUR	Pennepalle	Very Low
1676	S.P.S.NELLORE	PELLAKUR	Pulluru	Very Low
1677	S.P.S.NELLORE	PELLAKUR	Punabaka	Very Low
1678	S.P.S.NELLORE	PELLAKUR	Settigunta	Very Low
1679	S.P.S.NELLORE	PELLAKUR	Sirasanambedu	Very Low
1680	S.P.S.NELLORE	PELLAKUR	Talavayipadu	Very Low
1681	S.P.S.NELLORE	PELLAKUR	Yerragunta	Very Low
1682	S.P.S.NELLORE	PODALAKUR	Bathulapalle	Very Low
1683	S.P.S.NELLORE	PODALAKUR	Bathulapallepadu	Very Low
1684	S.P.S.NELLORE	PODALAKUR	Bhogasamudram	Very Low
1685	S.P.S.NELLORE	PODALAKUR	Degapudi	Very Low
1686	S.P.S.NELLORE	PODALAKUR	Mahammadapuram	Very Low
1687	S.P.S.NELLORE	PODALAKUR	Nedurupalle	Very Low
1688	S.P.S.NELLORE	PODALAKUR	Thatiparthi	Very Low
1689	S.P.S.NELLORE	PODALAKUR	Veligantipalem	Very Low
1690	S.P.S.NELLORE	PODALAKUR	Viroor	Very Low
1691	S.P.S.NELLORE	RAPUR	Gurivindapudi	Very Low
1692	S.P.S.NELLORE	RAPUR	Koturupadu	Very Low
1693	S.P.S.NELLORE	RAPUR	Tanamcherla	Very Low
1694	S.P.S.NELLORE	SANGAM	Annareddipalem	Very Low
1695	S.P.S.NELLORE	SANGAM	Chennavarappadu	Very Low
1696	S.P.S.NELLORE	SANGAM	Jangala Khandrika	Very Low
1697	S.P.S.NELLORE	SANGAM	Kolagatla	Very Low
1698	S.P.S.NELLORE	SANGAM	Korimerla	Low
1699	S.P.S.NELLORE	SANGAM	Korimerla Khandrika	Very Low
1700	S.P.S.NELLORE	SANGAM	Marripadu	Very Low
1701	S.P.S.NELLORE	SANGAM	Padamatipalem	Very Low
1702	S.P.S.NELLORE	SANGAM	Peramana	Low
1703	S.P.S.NELLORE	SANGAM	Sangam	Very Low
1704	S.P.S.NELLORE	SANGAM	Talupurupadu	Very Low
1705	S.P.S.NELLORE	SANGAM	Tharunavaya	Very Low
1706	S.P.S.NELLORE	SANGAM	Vangallu	Very Low
1707	S.P.S.NELLORE	SULLURPETA	Abaka	Very Low
1708	S.P.S.NELLORE	SULLURPETA	Atchukatla	Very Low
1709	S.P.S.NELLORE	SULLURPETA	Dama Nellore	Very Low
1710	S.P.S.NELLORE	SULLURPETA	Davadigunta	Very Low
1711	S.P.S.NELLORE	SULLURPETA	Degalapalem	Very Low
1712	S.P.S.NELLORE	SULLURPETA	Gopalareddipalem	Very Low
1713	S.P.S.NELLORE	SULLURPETA	Illupuru	Very Low
1714	S.P.S.NELLORE	SULLURPETA	Jangalapalle	Low
1715	S.P.S.NELLORE	SULLURPETA	K.C.Narasimhunigunta	Very Low

1716	S.P.S.NELLORE	SULLURPETA	Komminenipalle	Very Low
1717	S.P.S.NELLORE	SULLURPETA	Konnembattu	Very Low
1718	S.P.S.NELLORE	SULLURPETA	Kotapoluru	Very Low
1719	S.P.S.NELLORE	SULLURPETA	Krishnareddi Thagelu	Low
1720	S.P.S.NELLORE	SULLURPETA	Kudiri	Very Low
1721	S.P.S.NELLORE	SULLURPETA	Kudiri Thippa Khandrika	Very Low
1722	S.P.S.NELLORE	SULLURPETA	Manga Nellore	Very Low
1723	S.P.S.NELLORE	SULLURPETA	Mangalampadu	Very Low
1724	S.P.S.NELLORE	SULLURPETA	Mannarupoluru	Very Low
1725	S.P.S.NELLORE	SULLURPETA	Mannemutheri	Very Low
1726	S.P.S.NELLORE	SULLURPETA	Mathakamudi	Very Low
1727	S.P.S.NELLORE	SULLURPETA	Nadenlavari Khandrika	Very Low
1728	S.P.S.NELLORE	SULLURPETA	Nookalapalem	Very Low
1729	S.P.S.NELLORE	SULLURPETA	Padamati Khandrika	Very Low
1730	S.P.S.NELLORE	SULLURPETA	Pandalagunta	Very Low
1731	S.P.S.NELLORE	SULLURPETA	Ramachandragunta	Very Low
1732	S.P.S.NELLORE	SULLURPETA	Samanthamallam	Very Low
1733	S.P.S.NELLORE	SULLURPETA	Sarvareddi Khandrika	Very Low
1734	S.P.S.NELLORE	SULLURPETA	Suddamadugu Thagelu	Very Low
1735	S.P.S.NELLORE	SULLURPETA	Suggupalle	Very Low
1736	S.P.S.NELLORE	SULLURPETA	Sullurupeta (Sullurpeta)	Very Low
1737	S.P.S.NELLORE	SULLURPETA	Vatrapalem	Very Low
1738	S.P.S.NELLORE	SULLURPETA	Velagalapannuru	Very Low
1739	S.P.S.NELLORE	SULLURPETA	Yerrabalem	Very Low
1740	S.P.S.NELLORE	SULLURPETA	Zuvvi Chelika	Low
1741	S.P.S.NELLORE	SYDAPURAM	Ananthamadugu	Very Low
1742	S.P.S.NELLORE	SYDAPURAM	Griddalur	Very Low
1743	S.P.S.NELLORE	SYDAPURAM	Kalichedu	Very Low
1744	S.P.S.NELLORE	SYDAPURAM	Malichedu	Very Low
1745	S.P.S.NELLORE	SYDAPURAM	Molakalapundla	Very Low
1746	S.P.S.NELLORE	SYDAPURAM	Palur	Very Low
1747	S.P.S.NELLORE	SYDAPURAM	Pathallapalle	Very Low
1748	S.P.S.NELLORE	SYDAPURAM	Ramasagaram	Very Low
1749	S.P.S.NELLORE	TADA	Akkampeta	Very Low
1750	S.P.S.NELLORE	TADA	Andagundala	Very Low
1751	S.P.S.NELLORE	TADA	Devuni Khandrika	Very Low
1752	S.P.S.NELLORE	TADA	Gollalamuluvu	Very Low
1753	S.P.S.NELLORE	TADA	Graddagunta	Very Low
1754	S.P.S.NELLORE	TADA	Kadaluru	Very Low
1755	S.P.S.NELLORE	TADA	Karijatha	Very Low
1756	S.P.S.NELLORE	TADA	Konduru	Very Low
1757	S.P.S.NELLORE	TADA	Mambattu	Very Low
1758	S.P.S.NELLORE	TADA	Pallepalem	Low
1759	S.P.S.NELLORE	TADA	Pannamgadu	Very Low

1760	S.P.S.NELLORE	TADA	Periavattu	Very Low
1761	S.P.S.NELLORE	TADA	Pudi	Very Low
1762	S.P.S.NELLORE	TADA	Pulivendra	Very Low
1763	S.P.S.NELLORE	TADA	Ramapuram	Very Low
1764	S.P.S.NELLORE	TADA	Tada Khandrika	Very Low
1765	S.P.S.NELLORE	TADA	Thopu Khandrika	Very Low
1766	S.P.S.NELLORE	TADA	Vatambedu	Very Low
1767	S.P.S.NELLORE	TADA	Velagalavagu	Very Low
1768	S.P.S.NELLORE	TADA	Vendlurupadu	Very Low
1769	S.P.S.NELLORE	THOTAPALLIGUDUR	Ananthapuram	Very Low
1770	S.P.S.NELLORE	THOTAPALLIGUDUR	Chinna Cherukur	Very Low
1771	S.P.S.NELLORE	THOTAPALLIGUDUR	Eduru - I	Very Low
1772	S.P.S.NELLORE	THOTAPALLIGUDUR	Eduru - II	Very Low
1773	S.P.S.NELLORE	THOTAPALLIGUDUR	KODURU - I	Very Low
1774	S.P.S.NELLORE	THOTAPALLIGUDUR	KODURU - II	Very Low
1775	S.P.S.NELLORE	THOTAPALLIGUDUR	Koduru Khandrika	Very Low
1776	S.P.S.NELLORE	THOTAPALLIGUDUR	Kothapalem	Very Low
1777	S.P.S.NELLORE	THOTAPALLIGUDUR	Mungaladoruvu	Very Low
1778	S.P.S.NELLORE	THOTAPALLIGUDUR	Narukur	Very Low
1779	S.P.S.NELLORE	THOTAPALLIGUDUR	Peduru	Very Low
1780	S.P.S.NELLORE	THOTAPALLIGUDUR	Potlapudi	Very Low
1781	S.P.S.NELLORE	THOTAPALLIGUDUR	Sivarampuram	Very Low
1782	S.P.S.NELLORE	THOTAPALLIGUDUR	T.P.Gudur Bit-I	Very Low
1783	S.P.S.NELLORE	THOTAPALLIGUDUR	T.P.Gudur Bit-II	Low
1784	S.P.S.NELLORE	THOTAPALLIGUDUR	Thotapalle	Very Low
1785	S.P.S.NELLORE	THOTAPALLIGUDUR	Varigonda	Very Low
1786	S.P.S.NELLORE	THOTAPALLIGUDUR	Venkanapalem	Very Low
1787	S.P.S.NELLORE	THOTAPALLIGUDUR	Vilukanipalle	Very Low
1788	S.P.S.NELLORE	VAKADU	Andalamala	Very Low
1789	S.P.S.NELLORE	VAKADU	Budidalawagu	Very Low
1790	S.P.S.NELLORE	VAKADU	Cheemalapadu	Low
1791	S.P.S.NELLORE	VAKADU	Chennappagarimitta	Low
1792	S.P.S.NELLORE	VAKADU	Cherukumulam	Low
1793	S.P.S.NELLORE	VAKADU	Duggaraja Patnam	Very Low
1794	S.P.S.NELLORE	VAKADU	Durgavaram	Low
1795	S.P.S.NELLORE	VAKADU	Ganganapalem	Very Low
1796	S.P.S.NELLORE	VAKADU	Gundlu	Very Low
1797	S.P.S.NELLORE	VAKADU	Iskamattu	Low
1798	S.P.S.NELLORE	VAKADU	Jaminkothapalem	Very Low
1799	S.P.S.NELLORE	VAKADU	Juvvinattu	Low
1800	S.P.S.NELLORE	VAKADU	Kalluru	Low
1801	S.P.S.NELLORE	VAKADU	Kapparampadu	Very Low
1802	S.P.S.NELLORE	VAKADU	Kasipuram	Low
1803	S.P.S.NELLORE	VAKADU	Kodiwaka	Low

1804	S.P.S.NELLORE	VAKADU	Kondapuram	Very Low
1805	S.P.S.NELLORE	VAKADU	Konduru	Very Low
1806	S.P.S.NELLORE	VAKADU	Kotha Cheruvu @ Sahebulapalem	Very Low
1807	S.P.S.NELLORE	VAKADU	Manyalanattu	Low
1808	S.P.S.NELLORE	VAKADU	Molaganur	Very Low
1809	S.P.S.NELLORE	VAKADU	Muttembaka	Very Low
1810	S.P.S.NELLORE	VAKADU	Nagulamarri	Low
1811	S.P.S.NELLORE	VAKADU	Namkadu Bit - I	Very Low
1812	S.P.S.NELLORE	VAKADU	Namkadu Bit - II	Very Low
1813	S.P.S.NELLORE	VAKADU	Nellipudi	Low
1814	S.P.S.NELLORE	VAKADU	Pamanji	Very Low
1815	S.P.S.NELLORE	VAKADU	Pathetipalem	Very Low
1816	S.P.S.NELLORE	VAKADU	Pedda Cheruvu	Very Low
1817	S.P.S.NELLORE	VAKADU	Pulikorru @ Balireddipalem	Very Low
1818	S.P.S.NELLORE	VAKADU	Reddipalem Bit - I	Very Low
1819	S.P.S.NELLORE	VAKADU	Tirumur	Very Low
1820	S.P.S.NELLORE	VAKADU	Uttara Polam	Very Low
1821	S.P.S.NELLORE	VAKADU	Vagarru @ Tupilipalem	Very Low
1822	S.P.S.NELLORE	VAKADU	Vakadu	Very Low
1823	S.P.S.NELLORE	VAKADU	Valamedu	Very Low
1824	S.P.S.NELLORE	VAKADU	Yaragatipalle	Very Low
1825	S.P.S.NELLORE	VENKATACHALAM	Anikepalle	Low
1826	S.P.S.NELLORE	VENKATACHALAM	Edagali	Low
1827	S.P.S.NELLORE	VENKATACHALAM	Epuru Bit - II (G V R Palem)	Low
1828	S.P.S.NELLORE	VENKATACHALAM	Idimepalle	Low
1829	S.P.S.NELLORE	VENKATACHALAM	Kakuturu	Very Low
1830	S.P.S.NELLORE	VENKATACHALAM	Kandalapadu	Very Low
1831	S.P.S.NELLORE	VENKATACHALAM	Kantepalle	Very Low
1832	S.P.S.NELLORE	VENKATACHALAM	Kanupuru bit-II @ Chowtapalem	Very Low
1833	S.P.S.NELLORE	VENKATACHALAM	Kasumuru	Very Low
1834	S.P.S.NELLORE	VENKATACHALAM	Kumkumpudi	Very Low
1835	S.P.S.NELLORE	VENKATACHALAM	Kuricherlapadu	Very Low
1836	S.P.S.NELLORE	VENKATACHALAM	Nagulavaram	Very Low
1837	S.P.S.NELLORE	VENKATACHALAM	Pudiparthi	Low
1838	S.P.S.NELLORE	VENKATACHALAM	Punjulurupadu	Low
1839	S.P.S.NELLORE	VENKATACHALAM	Survepalle Bit - I	Very Low
1840	S.P.S.NELLORE	VENKATACHALAM	Survepalle Bit-II	Very Low
1841	S.P.S.NELLORE	VENKATACHALAM	Survepalle-III @ Iskapalem	Very Low
1842	S.P.S.NELLORE	VENKATACHALAM	Survepalle-IV @ N.G.Palem	Low
1843	S.P.S.NELLORE	VENKATAGIRI	Alivelu Mangapuram	Very Low
1844	S.P.S.NELLORE	VENKATAGIRI	Bangaruyachasamudram	Very Low
1845	S.P.S.NELLORE	VENKATAGIRI	Bommagunta	Very Low
1846	S.P.S.NELLORE	VENKATAGIRI	DHARMAPURAM (U)	Very Low
1847	S.P.S.NELLORE	VENKATAGIRI	Gotlagunta	Very Low

1848	S.P.S.NELLORE	VENKATAGIRI	Gundalasamudram	Very Low
1849	S.P.S.NELLORE	VENKATAGIRI	Kalapadu	Very Low
1850	S.P.S.NELLORE	VENKATAGIRI	Kalavalapudi	Very Low
1851	S.P.S.NELLORE	VENKATAGIRI	Kammapalle	Very Low
1852	S.P.S.NELLORE	VENKATAGIRI	Kandanalapadu	Very Low
1853	S.P.S.NELLORE	VENKATAGIRI	Kummarapeta	Very Low
1854	S.P.S.NELLORE	VENKATAGIRI	Lakshmirampalle	Very Low
1855	S.P.S.NELLORE	VENKATAGIRI	Panjam	Very Low
1856	S.P.S.NELLORE	VENKATAGIRI	Petluru	Very Low
1857	S.P.S.NELLORE	VENKATAGIRI	Pogulavaripalle	Very Low
1858	S.P.S.NELLORE	VENKATAGIRI	Sunkaravaripalle	Very Low
1859	S.P.S.NELLORE	VENKATAGIRI	Thadikalapadu Khandrika	Very Low
1860	S.P.S.NELLORE	VENKATAGIRI	Upparapalle	Very Low
1861	S.P.S.NELLORE	VENKATAGIRI	Varadanapalle	Very Low
1862	S.P.S.NELLORE	VENKATAGIRI	Viswanadhapuram	Very Low
1863	S.P.S.NELLORE	VENKATAGIRI	Yathaluru	Very Low
1864	S.P.S.NELLORE	VIDAVALUR	Alaganipadu	Very Low
1865	S.P.S.NELLORE	VIDAVALUR	Chowkacherla	Very Low
1866	S.P.S.NELLORE	VIDAVALUR	Dampuru	Very Low
1867	S.P.S.NELLORE	VIDAVALUR	Dandigunta	Very Low
1868	S.P.S.NELLORE	VIDAVALUR	Mudivarthi	Very Low
1869	S.P.S.NELLORE	VIDAVALUR	Parlapalle	Very Low
1870	S.P.S.NELLORE	VIDAVALUR	Utukuru	Very Low
1871	S.P.S.NELLORE	VIDAVALUR	Varini	Very Low
1872	S.P.S.NELLORE	VIDAVALUR	Vavilla	Very Low
1873	S.P.S.NELLORE	VIDAVALUR	Vidavalur	Very Low
1874	SRIKAKULAM	AMADALAVALASA	Anandapuram	Very Low
1875	SRIKAKULAM	AMADALAVALASA	Dandemvalasa	Very Low
1876	SRIKAKULAM	AMADALAVALASA	Kanugulavalasa	Very Low
1877	SRIKAKULAM	AMADALAVALASA	Katyacharyulapeta	Very Low
1878	SRIKAKULAM	AMADALAVALASA	Korlakota	Very Low
1879	SRIKAKULAM	AMADALAVALASA	Ramachandrapuram	Very Low
1880	SRIKAKULAM	AMADALAVALASA	Timmapuram	Very Low
1881	SRIKAKULAM	AMADALAVALASA	Vanjangi	Very Low
1882	SRIKAKULAM	AMADALAVALASA	Vedullavalasa	Very Low
1883	SRIKAKULAM	BHAMINI	Battili	Very Low
1884	SRIKAKULAM	BHAMINI	Dimmidijola	Very Low
1885	SRIKAKULAM	BHAMINI	Ghanasara	Very Low
1886	SRIKAKULAM	BHAMINI	Kosali	Very Low
1887	SRIKAKULAM	BHAMINI	Liviri	Very Low
1888	SRIKAKULAM	BHAMINI	Neradi	Very Low
1889	SRIKAKULAM	BHAMINI	Pasukudi	Very Low
1890	SRIKAKULAM	BHAMINI	Peddadimili	Very Low
1891	SRIKAKULAM	BHAMINI	Singidi	Very Low

1892	SRIKAKULAM	BHAMINI	Solikiri	Very Low
1893	SRIKAKULAM	BURJA	Gangampeta	Very Low
1894	SRIKAKULAM	BURJA	Lakkupuram	Very Low
1895	SRIKAKULAM	BURJA	Neeladevipuram	Very Low
1896	SRIKAKULAM	BURJA	Palavalasa	Very Low
1897	SRIKAKULAM	BURJA	Peddapeta	Very Low
1898	SRIKAKULAM	ETCHERLA	Dharmavaram	Very Low
1899	SRIKAKULAM	ETCHERLA	Pudivalasa	Very Low
1900	SRIKAKULAM	GARA	Ambalavalasa	Very Low
1901	SRIKAKULAM	GARA	Ampolu	Very Low
1902	SRIKAKULAM	GARA	Buravalli	Very Low
1903	SRIKAKULAM	GARA	Deepavali	Very Low
1904	SRIKAKULAM	GARA	Jalluvalasa	Very Low
1905	SRIKAKULAM	GARA	Kothurusyrigam	Very Low
1906	SRIKAKULAM	GARA	Nizamabad	Very Low
1907	SRIKAKULAM	GARA	Raghavapuram	Very Low
1908	SRIKAKULAM	GARA	Sativada	Very Low
1909	SRIKAKULAM	GARA	Seetharamapuram	Very Low
1910	SRIKAKULAM	GARA	Srikurmam	Very Low
1911	SRIKAKULAM	GARA	Thonangi	Very Low
1912	SRIKAKULAM	GARA	Thulugu	Very Low
1913	SRIKAKULAM	GARA	Vatsavalasa	Very Low
1914	SRIKAKULAM	GARA	Vomaravalli	Very Low
1915	SRIKAKULAM	HIRAMANDALAM	Ambavalli	Very Low
1916	SRIKAKULAM	HIRAMANDALAM	Bommika	Very Low
1917	SRIKAKULAM	HIRAMANDALAM	Chinnakollivalasa	Very Low
1918	SRIKAKULAM	HIRAMANDALAM	Duggupuram	Very Low
1919	SRIKAKULAM	HIRAMANDALAM	Durbalapuram	Very Low
1920	SRIKAKULAM	HIRAMANDALAM	Gotta	Very Low
1921	SRIKAKULAM	HIRAMANDALAM	Gulumuru	Very Low
1922	SRIKAKULAM	HIRAMANDALAM	Hiramandalam	Very Low
1923	SRIKAKULAM	HIRAMANDALAM	Kallata	Very Low
1924	SRIKAKULAM	HIRAMANDALAM	Kittalapadu	Very Low
1925	SRIKAKULAM	HIRAMANDALAM	Komanapalle	Very Low
1926	SRIKAKULAM	HIRAMANDALAM	Kondakorada	Very Low
1927	SRIKAKULAM	HIRAMANDALAM	Kondaragolu	Very Low
1928	SRIKAKULAM	HIRAMANDALAM	Korada	Very Low
1929	SRIKAKULAM	HIRAMANDALAM	Koradamanyam	Very Low
1930	SRIKAKULAM	HIRAMANDALAM	Mahalakshmipuram	Very Low
1931	SRIKAKULAM	HIRAMANDALAM	Mamidijola	Very Low
1932	SRIKAKULAM	HIRAMANDALAM	Mokhasa Avalangi	Very Low
1933	SRIKAKULAM	HIRAMANDALAM	Neeladevipuram	Very Low
1934	SRIKAKULAM	HIRAMANDALAM	Padali	Very Low
1935	SRIKAKULAM	HIRAMANDALAM	Peddasankili	Very Low

1936	SRIKAKULAM	HIRAMANDALAM	Pindruvada	Very Low
1937	SRIKAKULAM	HIRAMANDALAM	Rellivalasa	Very Low
1938	SRIKAKULAM	HIRAMANDALAM	Tampa	Very Low
1939	SRIKAKULAM	HIRAMANDALAM	Tulagam	Very Low
1940	SRIKAKULAM	HIRAMANDALAM	Tungatampara	Very Low
1941	SRIKAKULAM	ICHCHAPURAM	AMINSAHABPETA	Very Low
1942	SRIKAKULAM	ICHCHAPURAM	Arakabhadra	Very Low
1943	SRIKAKULAM	ICHCHAPURAM	Balakrishnapuram	Very Low
1944	SRIKAKULAM	ICHCHAPURAM	BELLUPADA	Very Low
1945	SRIKAKULAM	ICHCHAPURAM	Birlangi	Very Low
1946	SRIKAKULAM	ICHCHAPURAM	Boddabada	Very Low
1947	SRIKAKULAM	ICHCHAPURAM	Boddakali	Very Low
1948	SRIKAKULAM	ICHCHAPURAM	Burjapadu	Very Low
1949	SRIKAKULAM	ICHCHAPURAM	Dharmapuram	Very Low
1950	SRIKAKULAM	ICHCHAPURAM	Edupuram	Very Low
1951	SRIKAKULAM	ICHCHAPURAM	Haripuram	Very Low
1952	SRIKAKULAM	ICHCHAPURAM	Ichchapuram (M)	Very Low
1953	SRIKAKULAM	ICHCHAPURAM	Kedaripuram	Very Low
1954	SRIKAKULAM	ICHCHAPURAM	Kesapuram	Very Low
1955	SRIKAKULAM	ICHCHAPURAM	Koligam	Very Low
1956	SRIKAKULAM	ICHCHAPURAM	Loddaputti	Very Low
1957	SRIKAKULAM	ICHCHAPURAM	Mandapalle	Very Low
1958	SRIKAKULAM	ICHCHAPURAM	Masakapuram	Very Low
1959	SRIKAKULAM	ICHCHAPURAM	Paitharikeerthipuram	Very Low
1960	SRIKAKULAM	ICHCHAPURAM	Purnatakam	Very Low
1961	SRIKAKULAM	ICHCHAPURAM	RATTAKANNA	Very Low
1962	SRIKAKULAM	ICHCHAPURAM	Sasanam	Very Low
1963	SRIKAKULAM	ICHCHAPURAM	Takatlabarampuram	Very Low
1964	SRIKAKULAM	ICHCHAPURAM	Telukunchi	Very Low
1965	SRIKAKULAM	ICHCHAPURAM	Tulasigam	Very Low
1966	SRIKAKULAM	JALUMURU	Akkurada	Very Low
1967	SRIKAKULAM	JALUMURU	Allada	Very Low
1968	SRIKAKULAM	JALUMURU	Alladapeta	Very Low
1969	SRIKAKULAM	JALUMURU	Andhavaram	Very Low
1970	SRIKAKULAM	JALUMURU	Annupuram	Very Low
1971	SRIKAKULAM	JALUMURU	Atchutapuram	Very Low
1972	SRIKAKULAM	JALUMURU	Boddapadu	Very Low
1973	SRIKAKULAM	JALUMURU	Garinivalasa	Very Low
1974	SRIKAKULAM	JALUMURU	Guggili	Very Low
1975	SRIKAKULAM	JALUMURU	Gunduvalasa	Very Low
1976	SRIKAKULAM	JALUMURU	Karakavalasa	Very Low
1977	SRIKAKULAM	JALUMURU	Komanapalle	Very Low
1978	SRIKAKULAM	JALUMURU	Kondapolavalasa	Very Low
1979	SRIKAKULAM	JALUMURU	Kurmanadhapuram	Very Low

1980	SRIKAKULAM	JALUMURU	Makivalasa	Very Low
1981	SRIKAKULAM	JALUMURU	Marrivalasa	Low
1982	SRIKAKULAM	JALUMURU	Mukhalingam	Very Low
1983	SRIKAKULAM	JALUMURU	Nagarikatakam	Very Low
1984	SRIKAKULAM	JALUMURU	Parlam	Very Low
1985	SRIKAKULAM	JALUMURU	Ramayyavalasa	Very Low
1986	SRIKAKULAM	JALUMURU	Srimannarayana Puram	Very Low
1987	SRIKAKULAM	JALUMURU	Suravaram	Very Low
1988	SRIKAKULAM	JALUMURU	Syrigam	Very Low
1989	SRIKAKULAM	JALUMURU	Tallavalasa	Very Low
1990	SRIKAKULAM	JALUMURU	Timadam	Very Low
1991	SRIKAKULAM	JALUMURU	Velusoda	Very Low
1992	SRIKAKULAM	JALUMURU	Yelamanchili	Very Low
1993	SRIKAKULAM	KANCHILI	Kuttuma	Very Low
1994	SRIKAKULAM	KAVITI	Borivanka	Very Low
1995	SRIKAKULAM	KAVITI	Manikyapuram	Very Low
1996	SRIKAKULAM	KAVITI	Putiyadala	Very Low
1997	SRIKAKULAM	KOTHURU	Akulatampara	Very Low
1998	SRIKAKULAM	KOTHURU	Anguru	Very Low
1999	SRIKAKULAM	KOTHURU	Balada	Very Low
2000	SRIKAKULAM	KOTHURU	Chompa	Very Low
2001	SRIKAKULAM	KOTHURU	Dimili	Very Low
2002	SRIKAKULAM	KOTHURU	Kadumu	Very Low
2003	SRIKAKULAM	KOTHURU	Kuddigam	Low
2004	SRIKAKULAM	KOTHURU	Kurigam	Very Low
2005	SRIKAKULAM	KOTHURU	Mathala	Very Low
2006	SRIKAKULAM	KOTHURU	Nivagam	Very Low
2007	SRIKAKULAM	KOTHURU	Parapuram	Very Low
2008	SRIKAKULAM	KOTHURU	Pathapadu	Very Low
2009	SRIKAKULAM	KOTHURU	Ponnuturu	Very Low
2010	SRIKAKULAM	KOTHURU	Sandipolam	Very Low
2011	SRIKAKULAM	KOTHURU	Shobhanapuram	Very Low
2012	SRIKAKULAM	KOTHURU	Sirusuvada	Very Low
2013	SRIKAKULAM	KOTHURU	Vasapa	Very Low
2014	SRIKAKULAM	KOTHURU	Veeranarayana Puram	Very Low
2015	SRIKAKULAM	LAKSHMINARSUPETA	Chittimandalam	Very Low
2016	SRIKAKULAM	LAKSHMINARSUPETA	Dabbapadu	Very Low
2017	SRIKAKULAM	LAKSHMINARSUPETA	Dhanukuvada	Very Low
2018	SRIKAKULAM	LAKSHMINARSUPETA	Jagannadhapuram	Very Low
2019	SRIKAKULAM	LAKSHMINARSUPETA	Jambada	Very Low
2020	SRIKAKULAM	LAKSHMINARSUPETA	Jangalavalasa	Very Low
2021	SRIKAKULAM	LAKSHMINARSUPETA	Kovilam	Very Low
2022	SRIKAKULAM	LAKSHMINARSUPETA	Laxminarsupeta (Pedakota)	Very Low
2023	SRIKAKULAM	LAKSHMINARSUPETA	Mariapalle	Very Low

2024	SRIKAKULAM	LAKSHMINARSUPETA	Moduguvalasa	Very Low
2025	SRIKAKULAM	LAKSHMINARSUPETA	Palavalasa	Very Low
2026	SRIKAKULAM	LAKSHMINARSUPETA	Peddakollivalasa	Very Low
2027	SRIKAKULAM	LAKSHMINARSUPETA	Scotpeta	Very Low
2028	SRIKAKULAM	LAKSHMINARSUPETA	Seetharampuram	Very Low
2029	SRIKAKULAM	LAKSHMINARSUPETA	Somanadhapuram	Very Low
2030	SRIKAKULAM	LAKSHMINARSUPETA	Sumanthapuram @ Podugu Padu	Very Low
2031	SRIKAKULAM	LAKSHMINARSUPETA	Turakapeta	Very Low
2032	SRIKAKULAM	LAKSHMINARSUPETA	Vadavalasa	Very Low
2033	SRIKAKULAM	LAKSHMINARSUPETA	Venkampeta	Very Low
2034	SRIKAKULAM	LAKSHMINARSUPETA	Yembaram	Very Low
2035	SRIKAKULAM	MANDASA	Kothapalle	Very Low
2036	SRIKAKULAM	MANDASA	Lakshminarayana Puram	Very Low
2037	SRIKAKULAM	MELIAPUTTI	Gangarajapuram	Very Low
2038	SRIKAKULAM	MELIAPUTTI	Kosamala	Very Low
2039	SRIKAKULAM	MELIAPUTTI	Meliaputti	Very Low
2040	SRIKAKULAM	MELIAPUTTI	Peddapadmapuram	Very Low
2041	SRIKAKULAM	MELIAPUTTI	Vasandhara	Very Low
2042	SRIKAKULAM	NANDIGAM	Sagarampeta	Very Low
2043	SRIKAKULAM	NANDIGAM	Saradapuram	Very Low
2044	SRIKAKULAM	NANDIGAM	Uyyalapeta	Very Low
2045	SRIKAKULAM	NARASANNAPETA	Ampalam	Very Low
2046	SRIKAKULAM	NARASANNAPETA	Badam	Very Low
2047	SRIKAKULAM	NARASANNAPETA	Basivalasa	Very Low
2048	SRIKAKULAM	NARASANNAPETA	Borigivalasa	Very Low
2049	SRIKAKULAM	NARASANNAPETA	Chikkalavalasa	Very Low
2050	SRIKAKULAM	NARASANNAPETA	Chittivalasa	Very Low
2051	SRIKAKULAM	NARASANNAPETA	Chodavaram	Very Low
2052	SRIKAKULAM	NARASANNAPETA	Kambakaya	Very Low
2053	SRIKAKULAM	NARASANNAPETA	Killam	Very Low
2054	SRIKAKULAM	NARASANNAPETA	Kobagam	Very Low
2055	SRIKAKULAM	NARASANNAPETA	Kuddam	Very Low
2056	SRIKAKULAM	NARASANNAPETA	Lukalam	Very Low
2057	SRIKAKULAM	NARASANNAPETA	Madapam	Very Low
2058	SRIKAKULAM	NARASANNAPETA	Mamidivalasa	Low
2059	SRIKAKULAM	NARASANNAPETA	Nadagam	Very Low
2060	SRIKAKULAM	NARASANNAPETA	Narisingapalle	Low
2061	SRIKAKULAM	NARASANNAPETA	Paraselli	Very Low
2062	SRIKAKULAM	NARASANNAPETA	Pothayyavalasa	Very Low
2063	SRIKAKULAM	NARASANNAPETA	Srirampuram	Very Low
2064	SRIKAKULAM	NARASANNAPETA	Sundarapuram	Low
2065	SRIKAKULAM	NARASANNAPETA	Telagavalasa	Very Low
2066	SRIKAKULAM	NARASANNAPETA	Urlam	Very Low
2067	SRIKAKULAM	NARASANNAPETA	Venkatapuram	Very Low

2068	SRIKAKULAM	PALAKONDA	Annavaram	Very Low
2069	SRIKAKULAM	PALAKONDA	Gopalapuram	Very Low
2070	SRIKAKULAM	PALAKONDA	Palakonda	Very Low
2071	SRIKAKULAM	PALAKONDA	Tampatapalle	Very Low
2072	SRIKAKULAM	PALAKONDA	Vadama	Very Low
2073	SRIKAKULAM	PALASA	Brahmanatarla	Very Low
2074	SRIKAKULAM	PALASA	Garudakhandi	Very Low
2075	SRIKAKULAM	PALASA	PARASAMBA	Very Low
2076	SRIKAKULAM	PALASA	Sariyapalle	Very Low
2077	SRIKAKULAM	PATHAPATNAM	Antharaba	Very Low
2078	SRIKAKULAM	PATHAPATNAM	Buragam	Very Low
2079	SRIKAKULAM	PATHAPATNAM	Changudi	Very Low
2080	SRIKAKULAM	PATHAPATNAM	Gandhamsariya	Very Low
2081	SRIKAKULAM	PATHAPATNAM	Gopalapuram	Very Low
2082	SRIKAKULAM	PATHAPATNAM	Jaggilibonthu	Very Low
2083	SRIKAKULAM	PATHAPATNAM	Korasavada	Very Low
2084	SRIKAKULAM	PATHAPATNAM	Padimanyam	Very Low
2085	SRIKAKULAM	PATHAPATNAM	Pathapatnam	Very Low
2086	SRIKAKULAM	PATHAPATNAM	Phasigangupeta	Very Low
2087	SRIKAKULAM	PATHAPATNAM	Pittalasaria	Very Low
2088	SRIKAKULAM	PATHAPATNAM	Rompivalasa	Very Low
2089	SRIKAKULAM	PATHAPATNAM	Routhupuram	Very Low
2090	SRIKAKULAM	PATHAPATNAM	Seedi	Very Low
2091	SRIKAKULAM	PATHAPATNAM	Thamara	Very Low
2092	SRIKAKULAM	POLAKI	Ambeerupeta	Low
2093	SRIKAKULAM	POLAKI	Ampalam	Very Low
2094	SRIKAKULAM	POLAKI	Belamara Polavalasa	Very Low
2095	SRIKAKULAM	POLAKI	Dandulakshmipuram	Very Low
2096	SRIKAKULAM	POLAKI	Edulavalasa	Very Low
2097	SRIKAKULAM	POLAKI	Koduru	Very Low
2098	SRIKAKULAM	POLAKI	Nandigam	Very Low
2099	SRIKAKULAM	POLAKI	Polaki	Very Low
2100	SRIKAKULAM	POLAKI	Priyagraharam	Very Low
2101	SRIKAKULAM	POLAKI	Rajapuram	Very Low
2102	SRIKAKULAM	POLAKI	Santhalakshmi Puram	Very Low
2103	SRIKAKULAM	POLAKI	Susaram	Very Low
2104	SRIKAKULAM	POLAKI	Vodhipadu	Very Low
2105	SRIKAKULAM	POLAKI	Yetlabasivalasa	Very Low
2106	SRIKAKULAM	PONDURU	Atchipolavalasa	Very Low
2107	SRIKAKULAM	PONDURU	Boddepalle	Very Low
2108	SRIKAKULAM	PONDURU	Gandredu	Very Low
2109	SRIKAKULAM	PONDURU	Gokarnapalle	Very Low
2110	SRIKAKULAM	PONDURU	Modallavalasa	Very Low
2111	SRIKAKULAM	PONDURU	Tadivalasa	Very Low

2112	SRIKAKULAM	PONDURU	Tholapi	Very Low
2113	SRIKAKULAM	REGIDIAMADALAVALASA	Adavaram	Very Low
2114	SRIKAKULAM	REGIDIAMADALAVALASA	Akkanna Agraharam	Very Low
2115	SRIKAKULAM	REGIDIAMADALAVALASA	Cheli Gani Valasa	Very Low
2116	SRIKAKULAM	SANTHABOMMALI	Akasalakkavaram	Very Low
2117	SRIKAKULAM	SANTHABOMMALI	Antlavaram	Very Low
2118	SRIKAKULAM	SANTHABOMMALI	Borubhadra	Very Low
2119	SRIKAKULAM	SANTHABOMMALI	Brundavanam	Very Low
2120	SRIKAKULAM	SANTHABOMMALI	ljjuvaram	Very Low
2121	SRIKAKULAM	SANTHABOMMALI	Jonnalapadu	Very Low
2122	SRIKAKULAM	SANTHABOMMALI	Kakarapalle	Very Low
2123	SRIKAKULAM	SANTHABOMMALI	Kaseepuram	Low
2124	SRIKAKULAM	SANTHABOMMALI	Khaspanaupada	Very Low
2125	SRIKAKULAM	SANTHABOMMALI	Kollipadu	Very Low
2126	SRIKAKULAM	SANTHABOMMALI	Kotapadu	Low
2127	SRIKAKULAM	SANTHABOMMALI	Kurmanadhapuram	Very Low
2128	SRIKAKULAM	SANTHABOMMALI	Marripadu	Very Low
2129	SRIKAKULAM	SANTHABOMMALI	Maruvada	Very Low
2130	SRIKAKULAM	SANTHABOMMALI	Meghavaram	Very Low
2131	SRIKAKULAM	SANTHABOMMALI	Pothunaidupeta	Very Low
2132	SRIKAKULAM	SANTHABOMMALI	Rajapuram	Very Low
2133	SRIKAKULAM	SANTHABOMMALI	Sandhipeta	Very Low
2134	SRIKAKULAM	SANTHABOMMALI	TEKKALI CREEK	Very Low
2135	SRIKAKULAM	SANTHABOMMALI	Vadditandra	Very Low
2136	SRIKAKULAM	SANTHABOMMALI	Yemalapeta	Low
2137	SRIKAKULAM	SANTHAKAVITI	Chintalapeta	Very Low
2138	SRIKAKULAM	SANTHAKAVITI	Honjaram	Very Low
2139	SRIKAKULAM	SANTHAKAVITI	Kakarapalle	Very Low
2140	SRIKAKULAM	SANTHAKAVITI	Mandavakuriti	Very Low
2141	SRIKAKULAM	SANTHAKAVITI	Podali	Very Low
2142	SRIKAKULAM	SANTHAKAVITI	Ramarayapuram	Very Low
2143	SRIKAKULAM	SANTHAKAVITI	Seshadripuram	Very Low
2144	SRIKAKULAM	SANTHAKAVITI	Shalipeta	Very Low
2145	SRIKAKULAM	SARAVAKOTA	Avalangi	Very Low
2146	SRIKAKULAM	SARAVAKOTA	Bhadri	Very Low
2147	SRIKAKULAM	SARUBUJJILI	Buddivalasa	Very Low
2148	SRIKAKULAM	SARUBUJJILI	Chinavenkatapuram	Very Low
2149	SRIKAKULAM	SARUBUJJILI	Isakalapalem	Very Low
2150	SRIKAKULAM	SARUBUJJILI	Kondavalasa	Very Low
2151	SRIKAKULAM	SARUBUJJILI	Lakshimipuram	Very Low
2152	SRIKAKULAM	SARUBUJJILI	Loddalakakitapalle	Very Low
2153	SRIKAKULAM	SARUBUJJILI	Matalabpeta	Very Low
2154	SRIKAKULAM	SARUBUJJILI	Palavalasa	Very Low
2155	SRIKAKULAM	SARUBUJJILI	Parvathalapeta	Very Low

2156	SRIKAKULAM	SARUBUJJILI	Peddakakitapalle	Very Low
2157	SRIKAKULAM	SARUBUJJILI	Peddasowlapuram	Very Low
2158	SRIKAKULAM	SARUBUJJILI	Peddavenkatapuram	Very Low
2159	SRIKAKULAM	SARUBUJJILI	Purushottapuram	Very Low
2160	SRIKAKULAM	SARUBUJJILI	Rasulpeta	Very Low
2161	SRIKAKULAM	SARUBUJJILI	Ravivalasa	Very Low
2162	SRIKAKULAM	SARUBUJJILI	Sarabhapuram	Low
2163	SRIKAKULAM	SARUBUJJILI	Sindhuvada	Low
2164	SRIKAKULAM	SARUBUJJILI	Thamminaidupeta	Very Low
2165	SRIKAKULAM	SARUBUJJILI	Yeragam	Very Low
2166	SRIKAKULAM	SOMPETA	Ananthapuram	Very Low
2167	SRIKAKULAM	SOMPETA	Baruva	Very Low
2168	SRIKAKULAM	SOMPETA	Baruvapeta	Very Low
2169	SRIKAKULAM	SOMPETA	Jagathikesapuram	Very Low
2170	SRIKAKULAM	SOMPETA	Mulapalam	Very Low
2171	SRIKAKULAM	SOMPETA	Palavalasa	Very Low
2172	SRIKAKULAM	SOMPETA	Rushikudda	Very Low
2173	SRIKAKULAM	SOMPETA	Turakasasanam	Very Low
2174	SRIKAKULAM	SOMPETA	Uppalam	Very Low
2175	SRIKAKULAM	SRIKAKULAM	Batteru	Very Low
2176	SRIKAKULAM	SRIKAKULAM	Byri	Very Low
2177	SRIKAKULAM	SRIKAKULAM	Karajada	Very Low
2178	SRIKAKULAM	SRIKAKULAM	Kasimvalasa	Very Low
2179	SRIKAKULAM	SRIKAKULAM	Naira	Very Low
2180	SRIKAKULAM	SRIKAKULAM	Patrunivalasa (Rural)	Very Low
2181	SRIKAKULAM	SRIKAKULAM	Ponnam	Very Low
2182	SRIKAKULAM	SRIKAKULAM	Ragolupeta	Very Low
2183	SRIKAKULAM	SRIKAKULAM	Singupuram	Very Low
2184	SRIKAKULAM	SRIKAKULAM	Voppangi	Very Low
2185	SRIKAKULAM	TEKKALI	Ayodhyapuram	Very Low
2186	SRIKAKULAM	TEKKALI	Boppaipuram	Very Low
2187	SRIKAKULAM	TEKKALI	Chintalagara	Very Low
2188	SRIKAKULAM	TEKKALI	Peddarokallapalle	Very Low
2189	SRIKAKULAM	TEKKALI	Peddasana	Very Low
2190	SRIKAKULAM	VAJRAPUKOTHURU	Bathupuram	Very Low
2191	SRIKAKULAM	VAJRAPUKOTHURU	Bendi	Very Low
2192	SRIKAKULAM	VAJRAPUKOTHURU	Chinavanka	Very Low
2193	SRIKAKULAM	VAJRAPUKOTHURU	Gollalapadu	Very Low
2194	SRIKAKULAM	VAJRAPUKOTHURU	Kondavooru	Very Low
2195	SRIKAKULAM	VAJRAPUKOTHURU	Laxmidevipeta @ Nuvvalarevu	Very Low
2196	SRIKAKULAM	VAJRAPUKOTHURU	Mahadevipuram	Very Low
2197	SRIKAKULAM	VAJRAPUKOTHURU	Nagarampalle	Very Low
2198	SRIKAKULAM	VAJRAPUKOTHURU	Peddaboddapadu	Very Low
2199	SRIKAKULAM	VAJRAPUKOTHURU	PUNDI BACKWATER	Very Low

2200	SRIKAKULAM	VAJRAPUKOTHURU	Seethapuram	Very Low
2201	SRIKAKULAM	VAJRAPUKOTHURU	Venkatapuram	Very Low
2202	VISAKHAPATNAM	ANAKAPALLI	ANAKAPALLI NARTH (M)	Very Low
2203	VISAKHAPATNAM	ANAKAPALLI	ANAKAPALLI SOUTH (M)	Very Low
2204	VISAKHAPATNAM	ANAKAPALLI	Sankaram	Very Low
2205	VISAKHAPATNAM	ATCHUTAPURAM	Chippada	Very Low
2206	VISAKHAPATNAM	ATCHUTAPURAM	Jaggannapeta	Very Low
2207	VISAKHAPATNAM	ATCHUTAPURAM	Janguluru	Very Low
2208	VISAKHAPATNAM	ATCHUTAPURAM	Pudimadaka	Very Low
2209	VISAKHAPATNAM	ATCHUTAPURAM	Yerravaram - 7	Very Low
2210	VISAKHAPATNAM	BHEEMUNIPATNAM	Singanabanda	Very Low
2211	VISAKHAPATNAM	CHODAVARAM	Sreerampatnam	Very Low
2212	VISAKHAPATNAM	CHODAVARAM	Thimmannapalem	Very Low
2213	VISAKHAPATNAM	G K VEEDHI	Katragedda	Very Low
2214	VISAKHAPATNAM	YELAMANCHILI	Bayyavaram	Very Low
2215	VISAKHAPATNAM	YELAMANCHILI	Kattupalem	Very Low
2216	VISAKHAPATNAM	YELAMANCHILI	Krishnapuram	Very Low
2217	VISAKHAPATNAM	YELAMANCHILI	Pulaparthi	Very Low
2218	VISAKHAPATNAM	YELAMANCHILI	Teruvupalli	Very Low
2219	VISAKHAPATNAM	YELAMANCHILI	Thurangalapalem	Very Low
2220	VISAKHAPATNAM	YELAMANCHILI	Yelamanchili	Very Low
2221	VIZIANAGARAM	BHOGAPURAM	Polipalle	Very Low
2222	VIZIANAGARAM	GARUGUBILLI	Burada Venkatapuram	Very Low
2223	VIZIANAGARAM	GARUGUBILLI	Gadabavalasa Gangarajapuram	Very Low
2224	VIZIANAGARAM	GARUGUBILLI	Markondaputti	Very Low
2225	VIZIANAGARAM	GARUGUBILLI	Naviri	Very Low
2226	VIZIANAGARAM	GUMMALAKSHMIPURAM	Kukkidi	Very Low
2227	VIZIANAGARAM	JIYYAMMAVALASA	Mokhasaharipuram	Very Low
2228	VIZIANAGARAM	JIYYAMMAVALASA	Ravada	Very Low
2229	VIZIANAGARAM	KOMARADA	Gunanupuram	Very Low
2230	VIZIANAGARAM	PARVATHIPURAM	Addapuseela	Very Low
2231	VIZIANAGARAM	PARVATHIPURAM	Gopalapuram	Very Low
2232	WEST GODAVARI	AKIVIDU	Akividu	Very Low
2233	WEST GODAVARI	AKIVIDU	Cherukumilli	Very Low
2234	WEST GODAVARI	AKIVIDU	Chinakapavaram	Very Low
2235	WEST GODAVARI	AKIVIDU	Dharmapuram	Very Low
2236	WEST GODAVARI	AKIVIDU	Dumpagadapa	Very Low
2237	WEST GODAVARI	AKIVIDU	Gummuluru	Very Low
2238	WEST GODAVARI	AKIVIDU	Kollaparru	Very Low
2239	WEST GODAVARI	AKIVIDU	Kuppanapudi	Very Low
2240	WEST GODAVARI	AKIVIDU	Madivada	Very Low
2241	WEST GODAVARI	AKIVIDU	Pedakapavaram	Very Low
2242	WEST GODAVARI	AKIVIDU	Siddapuram	Low
2243	WEST GODAVARI	AKIVIDU	Taratava	Very Low

2244	WEST GODAVARI	ATTILI	Attili	Very Low
2245	WEST GODAVARI	ATTILI	Ballipadu	Very Low
2246	WEST GODAVARI	ATTILI	Eduru	Very Low
2247	WEST GODAVARI	ATTILI	Kanchumarru	Very Low
2248	WEST GODAVARI	ATTILI	Kommara	Very Low
2249	WEST GODAVARI	ATTILI	Manchili	Very Low
2250	WEST GODAVARI	ATTILI	Paluru	Very Low
2251	WEST GODAVARI	ATTILI	Skinnerapuram	Very Low
2252	WEST GODAVARI	ATTILI	Tirupatipuram	Very Low
2253	WEST GODAVARI	ATTILI	Unikili	Very Low
2254	WEST GODAVARI	ATTILI	Varighedu	Very Low
2255	WEST GODAVARI	BHIMADOLE	Agadallanka	Very Low
2256	WEST GODAVARI	BHIMADOLE	Bhimadole	Very Low
2257	WEST GODAVARI	BHIMADOLE	Gundugolanu	Very Low
2258	WEST GODAVARI	BHIMADOLE	Pulla	Very Low
2259	WEST GODAVARI	BHIMADOLE	Surappagudem	Very Low
2260	WEST GODAVARI	BHIMAVARAM	Annavaram	Very Low
2261	WEST GODAVARI	BHIMAVARAM	Bethapudi	Very Low
2262	WEST GODAVARI	BHIMAVARAM	Bhimavaram (Rural)	Very Low
2263	WEST GODAVARI	BHIMAVARAM	Chinamiram (Rural)	Very Low
2264	WEST GODAVARI	BHIMAVARAM	Dirusumarru	Very Low
2265	WEST GODAVARI	BHIMAVARAM	Gunupudi	Very Low
2266	WEST GODAVARI	BHIMAVARAM	Komarada	Very Low
2267	WEST GODAVARI	BHIMAVARAM	Rayalam (Rural)	Very Low
2268	WEST GODAVARI	BHIMAVARAM	Taderu	Very Low
2269	WEST GODAVARI	BHIMAVARAM	Tundurru	Very Low
2270	WEST GODAVARI	BHIMAVARAM	Yenamadurru	Very Low
2271	WEST GODAVARI	BUTTAYAGUDEM	Chintalagudem	Very Low
2272	WEST GODAVARI	CHAGALLU	Singanamuppavaram	Very Low
2273	WEST GODAVARI	DENDULURU	Denduluru	Very Low
2274	WEST GODAVARI	DENDULURU	Kovvali	Very Low
2275	WEST GODAVARI	DENDULURU	Pothunuru	Very Low
2276	WEST GODAVARI	DENDULURU	Singavaram	Very Low
2277	WEST GODAVARI	DENDULURU	Somavarappadu	Very Low
2278	WEST GODAVARI	DENDULURU	Uppugudem	Very Low
2279	WEST GODAVARI	ELURU	Chataparru	Very Low
2280	WEST GODAVARI	ELURU	Jalipudi	Very Low
2281	WEST GODAVARI	ELURU	Katlampudi	Very Low
2282	WEST GODAVARI	ELURU	Madepalle	Very Low
2283	WEST GODAVARI	ELURU	Malkapuram	Very Low
2284	WEST GODAVARI	ELURU	Ponangi	Very Low
2285	WEST GODAVARI	GANAPAVARAM	Agraharagopavaram	Very Low
2286	WEST GODAVARI	GANAPAVARAM	Ardhavaram	Very Low
2287	WEST GODAVARI	GANAPAVARAM	Cherukuganuma Agraharam	Very Low

2288	WEST GODAVARI	GANAPAVARAM	Chinaramachandrapuram	Very Low
2289	WEST GODAVARI	GANAPAVARAM	Dasulakumudavalli	Very Low
2290	WEST GODAVARI	GANAPAVARAM	Ganapavaram	Very Low
2291	WEST GODAVARI	GANAPAVARAM	Jagannadhapuram	Very Low
2292	WEST GODAVARI	GANAPAVARAM	Jallikakinada	Very Low
2293	WEST GODAVARI	GANAPAVARAM	Kasipadu	Very Low
2294	WEST GODAVARI	GANAPAVARAM	Kesavaram	Very Low
2295	WEST GODAVARI	GANAPAVARAM	Komarru	Very Low
2296	WEST GODAVARI	GANAPAVARAM	Kommara	Very Low
2297	WEST GODAVARI	GANAPAVARAM	Kothapalle	Very Low
2298	WEST GODAVARI	GANAPAVARAM	Moyyeru	Very Low
2299	WEST GODAVARI	GANAPAVARAM	Muggula	Very Low
2300	WEST GODAVARI	GANAPAVARAM	Mupparthipadu	Very Low
2301	WEST GODAVARI	GANAPAVARAM	Pippara	Very Low
2302	WEST GODAVARI	GANAPAVARAM	Saripalle	Very Low
2303	WEST GODAVARI	GANAPAVARAM	Seethalamkonde Padu	Very Low
2304	WEST GODAVARI	GANAPAVARAM	Valluru	Very Low
2305	WEST GODAVARI	GANAPAVARAM	Varadarajapuram	Very Low
2306	WEST GODAVARI	GANAPAVARAM	Veereswarapuram	Very Low
2307	WEST GODAVARI	GANAPAVARAM	Velagapalle	Very Low
2308	WEST GODAVARI	GANAPAVARAM	Venkatrajapuram	Very Low
2309	WEST GODAVARI	GOPALAPURAM	Venkatayapalem	Very Low
2310	WEST GODAVARI	IRAGAVARAM	Kathavapadu	Very Low
2311	WEST GODAVARI	IRAGAVARAM	Kavalipuram	Very Low
2312	WEST GODAVARI	KALLA	Bondada	Very Low
2313	WEST GODAVARI	KALLA	Doddanapudi	Very Low
2314	WEST GODAVARI	KALLA	Kolanapalle	Very Low
2315	WEST GODAVARI	KALLA	Kopalle	Very Low
2316	WEST GODAVARI	KALLA	Seesali	Very Low
2317	WEST GODAVARI	KUKUNOOR	Dacharam	Low
2318	WEST GODAVARI	KUKUNOOR	Ganapavaram	Very Low
2319	WEST GODAVARI	KUKUNOOR	Gommugudem	Low
2320	WEST GODAVARI	KUKUNOOR	Gumpanapalle	Very Low
2321	WEST GODAVARI	KUKUNOOR	Ibrahimpeta	Very Low
2322	WEST GODAVARI	KUKUNOOR	Kivvaka	Very Low
2323	WEST GODAVARI	KUKUNOOR	Kowndinyamukthi	Very Low
2324	WEST GODAVARI	KUKUNOOR	Kukunoor	Low
2325	WEST GODAVARI	KUKUNOOR	Madhavaram	Very Low
2326	WEST GODAVARI	KUKUNOOR	Maredubaka	Very Low
2327	WEST GODAVARI	KUKUNOOR	Pocharam	Low
2328	WEST GODAVARI	KUKUNOOR	Polaram	Very Low
2329	WEST GODAVARI	KUKUNOOR	Ramachandrapuram	Very Low
2330	WEST GODAVARI	KUKUNOOR	Ravigudem [Big]	Very Low
2331	WEST GODAVARI	KUKUNOOR	Seetharama Nagar	Low

2332	WEST GODAVARI	KUKUNOOR	Sridhara	Low
2333	WEST GODAVARI	KUKUNOOR	Thondipaka	Low
2334	WEST GODAVARI	KUKUNOOR	Vinjaram	Very Low
2335	WEST GODAVARI	LINGAPALEM	Ayyaparajugudem	Very Low
2336	WEST GODAVARI	NARASAPURAM	Chittavaram	Very Low
2337	WEST GODAVARI	NARASAPURAM	Rustumbada (Rural)	Very Low
2338	WEST GODAVARI	NIDADAVOLE	J.Khandrika	Low
2339	WEST GODAVARI	NIDADAVOLE	Ravimetla	Very Low
2340	WEST GODAVARI	NIDADAVOLE	Sankarapuram	Very Low
2341	WEST GODAVARI	NIDADAVOLE	Settipeta	Very Low
2342	WEST GODAVARI	NIDADAVOLE	Singavaram	Low
2343	WEST GODAVARI	NIDADAVOLE	Unakaramilli	Very Low
2344	WEST GODAVARI	NIDAMARRU	Adavikolanu	Low
2345	WEST GODAVARI	NIDAMARRU	Bavayapalem	Low
2346	WEST GODAVARI	NIDAMARRU	Buvvanapalle	Very Low
2347	WEST GODAVARI	NIDAMARRU	Chanamilli	Low
2348	WEST GODAVARI	NIDAMARRU	Enikepalle	Very Low
2349	WEST GODAVARI	NIDAMARRU	Gunaparru	Very Low
2350	WEST GODAVARI	NIDAMARRU	Kakaramilli	Very Low
2351	WEST GODAVARI	NIDAMARRU	Krishnapuram	Very Low
2352	WEST GODAVARI	NIDAMARRU	Krovvidi	Low
2353	WEST GODAVARI	NIDAMARRU	Mandalaparru	Very Low
2354	WEST GODAVARI	NIDAMARRU	Naganamilli	Very Low
2355	WEST GODAVARI	NIDAMARRU	Narasimhapuram	Very Low
2356	WEST GODAVARI	NIDAMARRU	Nidamarru	Very Low
2357	WEST GODAVARI	NIDAMARRU	Pedanindrakolanu	Low
2358	WEST GODAVARI	NIDAMARRU	Pedaramachandrapuram	Very Low
2359	WEST GODAVARI	NIDAMARRU	Thimmaraogudem	Low
2360	WEST GODAVARI	NIDAMARRU	Venkatapuram	Very Low
2361	WEST GODAVARI	PALACODERU	Garagaparru	Very Low
2362	WEST GODAVARI	PALACODERU	Goraganamudi	Very Low
2363	WEST GODAVARI	PALACODERU	Kondepudi	Very Low
2364	WEST GODAVARI	PALACODERU	Korukollu	Very Low
2365	WEST GODAVARI	PALACODERU	Kumudavalli	Very Low
2366	WEST GODAVARI	PALACODERU	Mogallu	Very Low
2367	WEST GODAVARI	PALACODERU	Мура	Very Low
2368	WEST GODAVARI	PALACODERU	Palakoderu	Very Low
2369	WEST GODAVARI	PALACODERU	Pennada Agraharam	Very Low
2370	WEST GODAVARI	PALACODERU	Srungavruksham	Very Low
2371	WEST GODAVARI	PALACODERU	Vendra	Very Low
2372	WEST GODAVARI	PALACODERU	Vissakoderu	Very Low
2373	WEST GODAVARI	PALACOLE	Agarru	Very Low
2374	WEST GODAVARI	PALACOLE	Gorintada	Very Low
2375	WEST GODAVARI	PALACOLE	Sivadevunichikkala	Very Low

2376	WEST GODAVARI	PEDAPADU	Burugagudem	Very Low
2377	WEST GODAVARI	PEDAPADU	Edulakunta	Very Low
2378	WEST GODAVARI	PEDAPADU	Gogunta	Very Low
2379	WEST GODAVARI	PEDAPADU	Mupparru	Very Low
2380	WEST GODAVARI	PEDAPADU	Pedapadu I	Very Low
2381	WEST GODAVARI	PEDAPADU	Sakalakothapalle	Very Low
2382	WEST GODAVARI	PEDAPADU	Tallagudem	Very Low
2383	WEST GODAVARI	PEDAPADU	Vasantawada-I	Very Low
2384	WEST GODAVARI	PEDAPADU	Vasantawada-II	Very Low
2385	WEST GODAVARI	PENTAPADU	Akuteegapadu	Very Low
2386	WEST GODAVARI	PENTAPADU	Alampuram	Very Low
2387	WEST GODAVARI	PENTAPADU	B.Kondepadu	Very Low
2388	WEST GODAVARI	PENTAPADU	Bodapadu	Very Low
2389	WEST GODAVARI	PENTAPADU	Chintapalle	Very Low
2390	WEST GODAVARI	PENTAPADU	Devaracheruvukhandrika	Very Low
2391	WEST GODAVARI	PENTAPADU	Kaspapentapadu	Very Low
2392	WEST GODAVARI	PENTAPADU	Korumilli	Very Low
2393	WEST GODAVARI	PENTAPADU	Meena Valluru	Very Low
2394	WEST GODAVARI	PENTAPADU	Mudunuru	Very Low
2395	WEST GODAVARI	PENTAPADU	Narasimha Apparaopuram	Very Low
2396	WEST GODAVARI	PENTAPADU	Padamara Vipparru	Very Low
2397	WEST GODAVARI	PENTAPADU	Parimella	Very Low
2398	WEST GODAVARI	PENTAPADU	Racharla	Very Low
2399	WEST GODAVARI	PENTAPADU	Ravipadu	Very Low
2400	WEST GODAVARI	PENTAPADU	Yanalapalle	Very Low
2401	WEST GODAVARI	PENUMANTRA	Bhatlamagutur	Very Low
2402	WEST GODAVARI	PENUMANTRA	Juttiga	Very Low
2403	WEST GODAVARI	PENUMANTRA	Mamuduru	Very Low
2404	WEST GODAVARI	PENUMANTRA	Penumantra	Very Low
2405	WEST GODAVARI	PERAVALI	Kanuru	Very Low
2406	WEST GODAVARI	PERAVALI	Kanuruagraharam	Very Low
2407	WEST GODAVARI	PERAVALI	Usulumarru	Very Low
2408	WEST GODAVARI	POLAVARAM	Chegondapalle	Low
2409	WEST GODAVARI	POLAVARAM	Gutala	Very Low
2410	WEST GODAVARI	POLAVARAM	Kondrukota	Very Low
2411	WEST GODAVARI	POLAVARAM	Pattisam	Very Low
2412	WEST GODAVARI	POLAVARAM	Polavaram	Very Low
2413	WEST GODAVARI	POLAVARAM	Singanapalle	Very Low
2414	WEST GODAVARI	TADEPALLIGUDEM	Arulla	Very Low
2415	WEST GODAVARI	TADEPALLIGUDEM	Jagannadhapuram	Low
2416	WEST GODAVARI	TADEPALLIGUDEM	Kadakatla	Very Low
2417	WEST GODAVARI	TADEPALLIGUDEM	Krishnayapalem	Very Low
2418	WEST GODAVARI	TADEPALLIGUDEM	Madhavaram	Very Low
2419	WEST GODAVARI	TADEPALLIGUDEM	Nandamuru	Very Low

2420	WEST GODAVARI	TADEPALLIGUDEM	Nawabpalem	Very Low
2421	WEST GODAVARI	TADEPALLIGUDEM	Padala	Very Low
2422	WEST GODAVARI	TADEPALLIGUDEM	Tadepalle	Very Low
2423	WEST GODAVARI	TALLAPUDI	Bayyavaram	Very Low
2424	WEST GODAVARI	TALLAPUDI	Kukunuru	Very Low
2425	WEST GODAVARI	TALLAPUDI	Nallamillipadu	Very Low
2426	WEST GODAVARI	TALLAPUDI	Paidimetta	Very Low
2427	WEST GODAVARI	TALLAPUDI	Pochavaram	Very Low
2428	WEST GODAVARI	TALLAPUDI	Ragolapalle	Very Low
2429	WEST GODAVARI	TALLAPUDI	Thadipudi	Very Low
2430	WEST GODAVARI	TANUKU	Duvva	Very Low
2431	WEST GODAVARI	TANUKU	Konala	Very Low
2432	WEST GODAVARI	TANUKU	Mandapaka (Rural)	Very Low
2433	WEST GODAVARI	TANUKU	Muddapuram	Very Low
2434	WEST GODAVARI	UNDI	Aredu	Very Low
2435	WEST GODAVARI	UNDI	Arthamuru	Very Low
2436	WEST GODAVARI	UNDI	Cherukuwada	Very Low
2437	WEST GODAVARI	UNDI	Chilukuru	Very Low
2438	WEST GODAVARI	UNDI	Kalisipudi	Very Low
2439	WEST GODAVARI	UNDI	Kolamuru	Very Low
2440	WEST GODAVARI	UNDI	Narasimharajapura Agraharam	Very Low
2441	WEST GODAVARI	UNDI	Pamulaparru	Very Low
2442	WEST GODAVARI	UNDI	Panduvva	Very Low
2443	WEST GODAVARI	UNDI	Panduvvakhandrika	Very Low
2444	WEST GODAVARI	UNDI	Pedapulleru	Very Low
2445	WEST GODAVARI	UNDI	Undi	Very Low
2446	WEST GODAVARI	UNDI	Unudurru	Very Low
2447	WEST GODAVARI	UNDI	Uppuluru	Very Low
2448	WEST GODAVARI	UNDI	Velivarru	Very Low
2449	WEST GODAVARI	UNDI	Yendagandi	Very Low
2450	WEST GODAVARI	UNDRAJAVARAM	Kaldhari	Very Low
2451	WEST GODAVARI	UNDRAJAVARAM	Pasalapudi	Very Low
2452	WEST GODAVARI	UNDRAJAVARAM	Suryaraopalem	Very Low
2453	WEST GODAVARI	UNDRAJAVARAM	Vadluru	Very Low
2454	WEST GODAVARI	UNGUTUR	Badampudi	Very Low
2455	WEST GODAVARI	UNGUTUR	Bommidi	Very Low
2456	WEST GODAVARI	UNGUTUR	Chebrole Khandrika	Very Low
2457	WEST GODAVARI	UNGUTUR	Dontavaram	Very Low
2458	WEST GODAVARI	UNGUTUR	Kagupadu	Very Low
2459	WEST GODAVARI	UNGUTUR	Kaikaram	Very Low
2460	WEST GODAVARI	UNGUTUR	Kakarlamudi	Very Low
2461	WEST GODAVARI	UNGUTUR	Rachuru	Very Low
2462	WEST GODAVARI	UNGUTUR	Ravulaparru	Very Low
2463	WEST GODAVARI	UNGUTUR	Vellamilli	Very Low

2464	WEST GODAVARI	VEERAVASARAM	Machipuri	Very Low
2465	WEST GODAVARI	VEERAVASARAM	Machipuripalem	Very Low
2466	WEST GODAVARI	VEERAVASARAM	Mentepudi	Very Low
2467	WEST GODAVARI	VEERAVASARAM	Navuduru	Very Low
2468	WEST GODAVARI	VEERAVASARAM	Nelapogula	Very Low
2469	WEST GODAVARI	VEERAVASARAM	Veeravasaram	Very Low
2470	WEST GODAVARI	VELAIRPADU	Katukur	Very Low
2471	WEST GODAVARI	VELAIRPADU	Koida	Very Low
2472	WEST GODAVARI	VELAIRPADU	Narlavaram	Low
2473	WEST GODAVARI	VELAIRPADU	Repakagommu	Low
2474	WEST GODAVARI	VELAIRPADU	Rudramkota	Very Low
2475	WEST GODAVARI	VELAIRPADU	Thatukur	Very Low
2476	WEST GODAVARI	VELAIRPADU	Tirumalapuram	Low
2477	Y.S.R.KADAPA	CHAPAD	Alladupalle	Very Low
2478	Y.S.R.KADAPA	CHAPAD	Budidapadu	Very Low
2479	Y.S.R.KADAPA	CHAPAD	Chapad	Very Low
2480	Y.S.R.KADAPA	CHAPAD	Kethavaram	Very Low
2481	Y.S.R.KADAPA	CHAPAD	Kutchupapa	Very Low
2482	Y.S.R.KADAPA	CHAPAD	Madur	Very Low
2483	Y.S.R.KADAPA	DUVVUR	Nelaturu	Very Low
2484	Y.S.R.KADAPA	GALIVEEDU	Veligallu	Very Low
2485	Y.S.R.KADAPA	KHAJIPET	Miduthuru	Very Low
2486	Y.S.R.KADAPA	NANDALUR	Komarunipalle	Very Low
2487	Y.S.R.KADAPA	PEDDAMUDIUM	Balapana Gudur	Very Low
2488	Y.S.R.KADAPA	PEDDAMUDIUM	Chinamudium	Very Low
2489	Y.S.R.KADAPA	PEDDAMUDIUM	Garisaluru	Very Low
2490	Y.S.R.KADAPA	PEDDAMUDIUM	Nagarajupalle	Very Low
2491	Y.S.R.KADAPA	PEDDAMUDIUM	Nemalladinne	Very Low
2492	Y.S.R.KADAPA	PEDDAMUDIUM	Palur	Very Low
2493	Y.S.R.KADAPA	PEDDAMUDIUM	Peddapasupula	Very Low
2494	Y.S.R.KADAPA	PEDDAMUDIUM	Uppalur	Very Low
2495	Y.S.R.KADAPA	PRODDATUR	Kamanur	Very Low
2496	Y.S.R.KADAPA	PRODDATUR	Upparapalle	Very Low
2497	Y.S.R.KADAPA	RAJUPALEM	Chinna Jonnavaram	Very Low
2498	Y.S.R.KADAPA	RAJUPALEM	Doddanala	Very Low
2499	Y.S.R.KADAPA	RAJUPALEM	Gadegudur	Very Low
2500	Y.S.R.KADAPA	RAJUPALEM	Gopayapalle	Very Low
2501	Y.S.R.KADAPA	RAJUPALEM	Kulur	Very Low
2502	Y.S.R.KADAPA	RAJUPALEM	Paidala	Very Low
2503	Y.S.R.KADAPA	RAJUPALEM	Vellala	Very Low
2504	Y.S.R.KADAPA	SIDHOUT	Kadapayapalle	Very Low
2505	Y.S.R.KADAPA	SIDHOUT	Lingampalle	Very Low
2506	Y.S.R.KADAPA	SIDHOUT	Machupalle	Very Low



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