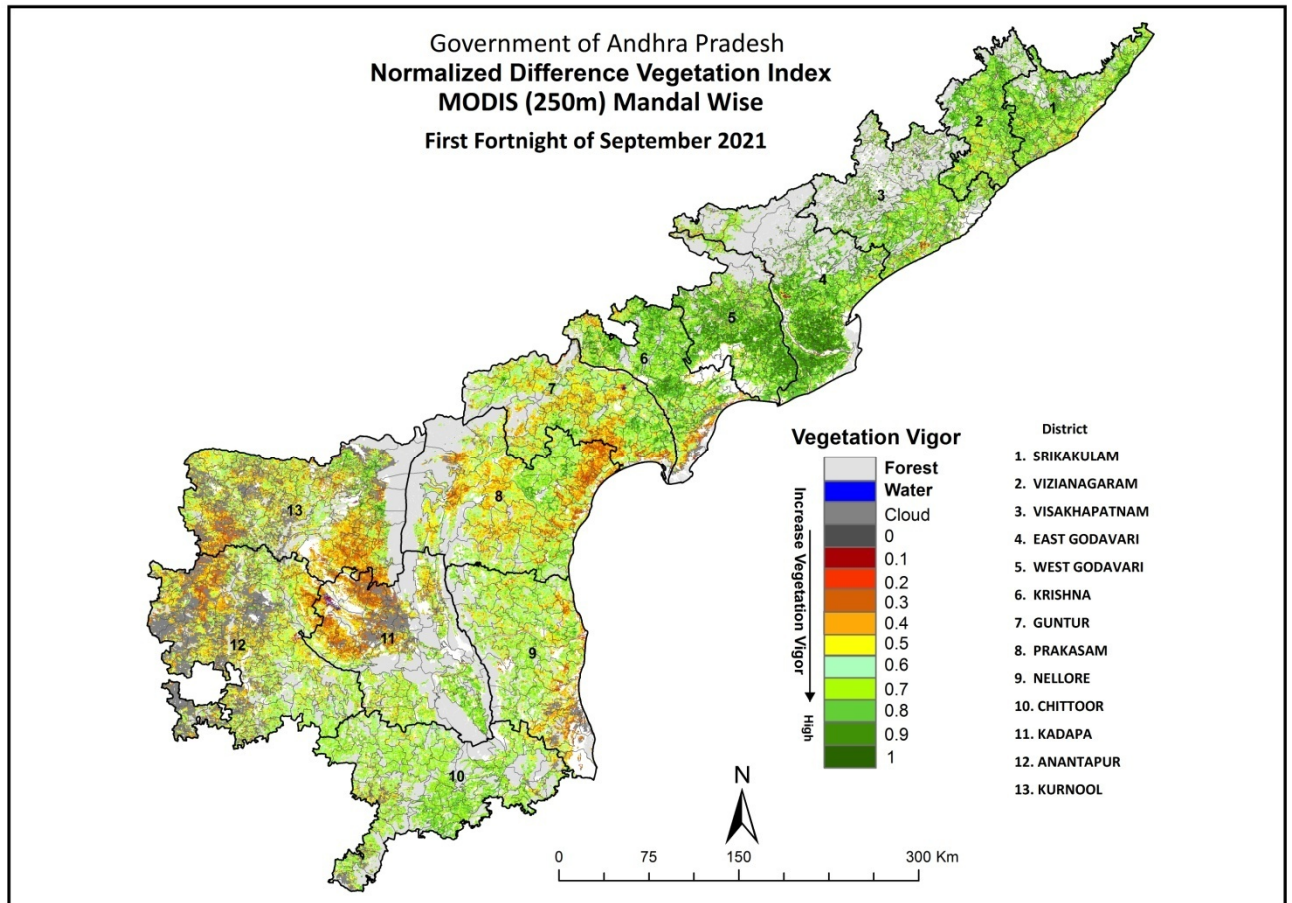




# Technical Report: Drought Monitoring

## Remote sensing Indicators (NDVI, NDWI and VCI) for Drought Declaration in Andhra Pradesh State up to 1st FN September 2021 (Kharif Season)



Prepared by

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Prepared for

**Andhra Pradesh State Disaster Management Authority (APSDMA)**

Revenue (DM) Department

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## Background

Advancements in satellite remote sensing technology has enabled regular monitoring of crop conditions/vigour over large regions. Among the various spectral vegetation indices commonly derived from remote sensing data, Normalized Difference Vegetation Index (NDVI) is most widely used for operational assessment of drought owing to the ease in calculation and interpretation and also its ability to partially compensate for the effects of atmosphere, illumination geometry etc. NDVI is derived using the formula  $(NIR - Red) / (NIR + Red)$ , where NIR and Red are the reflectance in visible and near infrared channels. Water, clouds and snow have higher reflectance in the visible region and consequently NDVI assumes negative values for these features. Bare soil and rocks exhibit similar reflectance in both visible and near IR regions and the index values are near zero. The NDVI values for vegetation generally range from 0.2 to 0.6, the higher index values being associated with greater green leaf area and biomass. Shortwave Infrared (SWIR) band is sensitive to moisture available in soil as well as in crop canopy. In the beginning of the cropping season, soil background is dominant hence SWIR is sensitive to soil moisture in the top 12 cm. As the crop growth progresses, SWIR becomes sensitive to leaf moisture content. SWIR band provides only surface wetness information. Normalized Difference Wetness Index (NDWI), computed using SWIR data, can complement NDVI for drought assessment particularly in the beginning of the cropping season. NDWI is derived as follows:  $NDWI = (NIR - SWIR) / (NIR + SWIR)$  where, NIR and SWIR are the reflected radiation in NearInfrared and Shortwave Infrared channels. Higher values of NDWI signify more surface wetness. Satellite based crop condition anomalies which point towards agricultural drought can be generated by computing Vegetation Condition Index (VCI) of NDVI and VCI of NDWI. While combining VCI of NDVI and NDWI, the minimum of two values can be taken, i.e. if at least one is in Severe category, the category will be considered as Severe. If at least one is moderate then category will be taken as moderate (**As per the Drought manual:2016 and amendments**). Fortnightly (FN) NDVI, NDWI and VCI status is being generated and submitted to Andhra Pradesh State Disaster Management Authority and Revenue (DM) department for monitoring and Declaration of drought at mandal level in the state of Andhra Pradesh.

VCI Value (%)	Vegetation Condition	Description
60-100	Normal	Crop condition is Normal
40-60	Moderate	Crop condition is Moderate
0-40	Severe	Crop condition is Severe



**Table1: District wise number of Mandals under Normal, Moderate and Severe up to 1st FN September 2021.**

Sno.	District	Total No. of Mandals	VCI		
			Normal	Moderate	Severe
1	ANANTAPURAM	63	25	9	29
2	CHITTOOR	66	48	6	12
3	EAST GODAVARI	64	59	4	1
4	GUNTUR	57	23	14	20
5	KRISHNA	50	22	13	15
6	KURNOOL(1)	54	10	20	23
7	NELLORE	46	18	15	13
8	PRAKASAM	56	30	21	5
9	SRIKAKULAM	38	12	12	14
10	VISAKHAPATNAM(1)	43	23	8	11
11	VIZIANAGARAM	34	21	9	4
12	WEST GODAVARI	48	37	7	4
13	YSR KADAPA	51	17	10	24
	Grand Total	<b>670</b>	<b>345</b>	<b>148</b>	<b>175</b>

**Note:**

- Two mandals excluded from the assessment. (Visakhapatnam urban and Srisailam).
- Visakhapatnam urban (Visakhapatnam dist.) is excluded because the mandal is covered predominantly with urban area and Srisailam mandal (Kurnool district) is mostly covered with forest followed by urban area. Both the mandals have insignificant crop fields and those cannot be detected with MODIS250m satellite data.

**Table2: Mandal wise status: Normal, Moderate and Severe up 1st FN September 2021.**

dmcode	DISTRICT	MANDAL	NDVI Status	NDWI Status	Final Status
0101	SRIKAKULAM	VEERAGHATTAM	Severe	Moderate	Severe
0102	SRIKAKULAM	VANGARA	Moderate	Moderate	Moderate
0103	SRIKAKULAM	REGIDIAMADALAVALASA	Normal	Normal	Normal
0104	SRIKAKULAM	RAJAM	Normal	Normal	Normal
0105	SRIKAKULAM	GANGUVARISIGADAM	Moderate	Normal	Moderate
0106	SRIKAKULAM	LAVERU	Severe	Moderate	Severe
0107	SRIKAKULAM	RANASTALAM	Moderate	Moderate	Moderate
0108	SRIKAKULAM	ETCHERLA	Severe	Severe	Severe
0109	SRIKAKULAM	PONDURU	Normal	Severe	Severe
0110	SRIKAKULAM	SANTHAKAVITI	Severe	Severe	Severe
0111	SRIKAKULAM	BURJA	Moderate	Normal	Moderate
0112	SRIKAKULAM	PALAKONDA	Normal	Normal	Normal
0113	SRIKAKULAM	SEETHAMPETA	Moderate	Moderate	Moderate
0114	SRIKAKULAM	BHAMINI	Normal	Normal	Normal
0115	SRIKAKULAM	KOTHURU	Normal	Normal	Normal
0116	SRIKAKULAM	HIRAMANDALAM	Moderate	Severe	Severe
0117	SRIKAKULAM	SARUBUJJILI	Normal	Normal	Normal
0118	SRIKAKULAM	AMADALAVALASA	Severe	Severe	Severe
0119	SRIKAKULAM	SRIKAKULAM	Severe	Moderate	Severe
0120	SRIKAKULAM	GARA	Severe	Moderate	Severe
0121	SRIKAKULAM	POLAKI	Moderate	Moderate	Moderate
0122	SRIKAKULAM	NARASANNAPETA	Normal	Normal	Normal
0123	SRIKAKULAM	JALUMURU	Normal	Normal	Normal



0124	SRIKAKULAM	SARAVAKOTA	Severe	Severe	Severe
0125	SRIKAKULAM	PATHAPATNAM	Moderate	Severe	Severe
0126	SRIKAKULAM	MELIAPUTTI	Moderate	Normal	Moderate
0127	SRIKAKULAM	TEKKALI	Moderate	Normal	Moderate
0128	SRIKAKULAM	KOTABOMMALI	Normal	Moderate	Moderate
0129	SRIKAKULAM	SANTHABOMMALI	Severe	Normal	Severe
0130	SRIKAKULAM	NANDIGAM	Normal	Normal	Normal
0131	SRIKAKULAM	VAJRAPUKOTHURU	Normal	Normal	Normal
0132	SRIKAKULAM	PALASA	Normal	Normal	Normal
0133	SRIKAKULAM	MANDASA	Normal	Moderate	Moderate
0134	SRIKAKULAM	SOMPETA	Moderate	Moderate	Moderate
0135	SRIKAKULAM	KANCHILI	Severe	Moderate	Severe
0136	SRIKAKULAM	KAVITI	Moderate	Normal	Moderate
0137	SRIKAKULAM	ICHCHAPURAM	Severe	Severe	Severe
0138	SRIKAKULAM	LAKSHMINARSUPETA	Normal	Normal	Normal
0201	VIZIANAGARAM	KOMARADA	Normal	Normal	Normal
0202	VIZIANAGARAM	GUMMALAKSHMIPURAM	Moderate	Moderate	Moderate
0203	VIZIANAGARAM	KURUPAM	Moderate	Normal	Moderate
0204	VIZIANAGARAM	JIYYAMMAVALASA	Moderate	Severe	Severe
0205	VIZIANAGARAM	GARUGUBILLI	Normal	Normal	Normal
0206	VIZIANAGARAM	PARVATHIPURAM	Normal	Normal	Normal
0207	VIZIANAGARAM	MAKKUVA	Normal	Normal	Normal
0208	VIZIANAGARAM	SEETHANAGARAM	Normal	Normal	Normal
0209	VIZIANAGARAM	BALIJIPETA	Severe	Severe	Severe
0210	VIZIANAGARAM	BOBBILI	Normal	Normal	Normal
0211	VIZIANAGARAM	SALUR	Normal	Normal	Normal
0212	VIZIANAGARAM	PACHIPENTA	Normal	Normal	Normal
0213	VIZIANAGARAM	RAMABHADRAPURAM	Normal	Normal	Normal
0214	VIZIANAGARAM	BADANGI	Normal	Normal	Normal
0215	VIZIANAGARAM	THERLAM	Normal	Normal	Normal
0216	VIZIANAGARAM	MERAKAMUDIDAM	Normal	Normal	Normal
0217	VIZIANAGARAM	DATTIRAJERU	Normal	Normal	Normal
0218	VIZIANAGARAM	MENTADA	Normal	Normal	Normal
0219	VIZIANAGARAM	GAJAPATHINAGARAM	Normal	Normal	Normal
0220	VIZIANAGARAM	BONDAPALLE	Normal	Normal	Normal
0221	VIZIANAGARAM	GURLA	Severe	Moderate	Severe
0222	VIZIANAGARAM	GARIVIDI	Normal	Normal	Normal
0223	VIZIANAGARAM	CHEEPURUPALLE	Normal	Normal	Normal
0224	VIZIANAGARAM	NELLIMARLA	Moderate	Moderate	Moderate
0225	VIZIANAGARAM	PUSAPATIREGA	Normal	Moderate	Moderate
0226	VIZIANAGARAM	BHOGAPURAM	Normal	Moderate	Moderate
0227	VIZIANAGARAM	DENKADA	Normal	Moderate	Moderate
0228	VIZIANAGARAM	VIZIANAGARAM	Moderate	Moderate	Moderate
0229	VIZIANAGARAM	GANTYADA	Moderate	Normal	Moderate
0230	VIZIANAGARAM	SRUNGAVARAPUKOTA	Normal	Normal	Normal
0231	VIZIANAGARAM	VEPADA	Normal	Normal	Normal
0232	VIZIANAGARAM	LAKKAVARAPUKOTA	Normal	Normal	Normal
0233	VIZIANAGARAM	JAMI	Severe	Normal	Severe
0234	VIZIANAGARAM	KOTHAVALASA	Moderate	Normal	Moderate
0301	VISAKHAPATNAM	MUNCHINGIPUTTU	Normal	Normal	Normal
0302	VISAKHAPATNAM	PEDABAYALU	Normal	Normal	Normal
0303	VISAKHAPATNAM	HUKUMPETA	Normal	Normal	Normal
0304	VISAKHAPATNAM	DUMBRIGUDA	Normal	Normal	Normal
0305	VISAKHAPATNAM	ARUKU VALLEY	Moderate	Moderate	Moderate
0306	VISAKHAPATNAM	ANANTHAGIRI	Moderate	Moderate	Moderate
0307	VISAKHAPATNAM	DEVARAPALLE	Normal	Normal	Normal
0308	VISAKHAPATNAM	CHEEDIKADA	Normal	Normal	Normal
0309	VISAKHAPATNAM	MADUGULA	Normal	Normal	Normal
0310	VISAKHAPATNAM	PADERU	Moderate	Moderate	Moderate



0311	VISAKHAPATNAM	G MADUGULA	Normal	Normal	Normal
0312	VISAKHAPATNAM	CHINTAPALLE	Normal	Normal	Normal
0313	VISAKHAPATNAM	G K VEEDHI	Normal	Normal	Normal
0314	VISAKHAPATNAM	KOYYURU	Normal	Normal	Normal
0315	VISAKHAPATNAM	GOLUGONDA	Normal	Normal	Normal
0316	VISAKHAPATNAM	NATHAVARAM	Normal	Normal	Normal
0317	VISAKHAPATNAM	NARSIPATNAM	Normal	Normal	Normal
0318	VISAKHAPATNAM	ROLUGUNTA	Normal	Normal	Normal
0319	VISAKHAPATNAM	RAVIKAMATAM	Normal	Normal	Normal
0320	VISAKHAPATNAM	BUTCHAYYPETA	Normal	Normal	Normal
0321	VISAKHAPATNAM	CHODAVARAM	Severe	Severe	Severe
0322	VISAKHAPATNAM	K KOTAPADU	Severe	Normal	Severe
0323	VISAKHAPATNAM	SABBAVARAM	Moderate	Normal	Moderate
0324	VISAKHAPATNAM	PENDURTHI	Severe	Severe	Severe
0325	VISAKHAPATNAM	ANANDAPURAM	Normal	Normal	Normal
0326	VISAKHAPATNAM	PADMANABHAM	Severe	Severe	Severe
0327	VISAKHAPATNAM	BHEEMUNIPATNAM	Normal	Normal	Normal
0328	VISAKHAPATNAM	VISAKHAPATNAM(R)	Moderate	Moderate	Moderate
0329	VISAKHAPATNAM	VISAKHAPATNAM(U)	N/A	N/A	N/A
0330	VISAKHAPATNAM	GAJUWAKA	Severe	Severe	Severe
0331	VISAKHAPATNAM	PEDAGANTYADA	Severe	Severe	Severe
0332	VISAKHAPATNAM	PARAVADA	Severe	Severe	Severe
0333	VISAKHAPATNAM	ANAKAPALLI	Severe	Moderate	Severe
0334	VISAKHAPATNAM	MUNAGAPAKA	Severe	Severe	Severe
0335	VISAKHAPATNAM	KASIMKOTA	Moderate	Moderate	Moderate
0336	VISAKHAPATNAM	MAKAVARAPALEM	Normal	Normal	Normal
0337	VISAKHAPATNAM	KOTAURATLA	Normal	Normal	Normal
0338	VISAKHAPATNAM	PAYAKARAOPETA	Normal	Normal	Normal
0339	VISAKHAPATNAM	NAKKAPALLI	Moderate	Severe	Severe
0340	VISAKHAPATNAM	S RAYAVARAM	Moderate	Normal	Moderate
0341	VISAKHAPATNAM	YELAMANCHILI	Normal	Normal	Normal
0342	VISAKHAPATNAM	RAMBILLI	Moderate	Moderate	Moderate
0343	VISAKHAPATNAM	ATCHUTAPURAM	Severe	Severe	Severe
0401	EAST GODAVARI	MAREDUMILLI	Moderate	Moderate	Moderate
0402	EAST GODAVARI	Y.RAMAVARAM	Normal	Normal	Normal
0403	EAST GODAVARI	ADDATEEGALA	Normal	Normal	Normal
0404	EAST GODAVARI	RAJAVOMMANGI	Normal	Normal	Normal
0405	EAST GODAVARI	KOTANANDURU	Normal	Normal	Normal
0406	EAST GODAVARI	TUNI	Normal	Normal	Normal
0407	EAST GODAVARI	THONDANGI	Normal	Normal	Normal
0408	EAST GODAVARI	GOLLAPROLU	Normal	Normal	Normal
0409	EAST GODAVARI	SANKHAVARAM	Normal	Normal	Normal
0410	EAST GODAVARI	PRATHIPADU	Normal	Normal	Normal
0411	EAST GODAVARI	YELESWARAM	Normal	Normal	Normal
0412	EAST GODAVARI	GANGAVARAM	Normal	Normal	Normal
0413	EAST GODAVARI	RAMPACHODAVARAM	Moderate	Moderate	Moderate
0414	EAST GODAVARI	DEVIPATNAM	Normal	Normal	Normal
0415	EAST GODAVARI	SEETHANAGARAM	Normal	Normal	Normal
0416	EAST GODAVARI	KORUKONDA	Normal	Normal	Normal
0417	EAST GODAVARI	GOKAVARAM	Normal	Normal	Normal
0418	EAST GODAVARI	JAGGAMPETA	Normal	Normal	Normal
0419	EAST GODAVARI	KIRLAMPUDI	Normal	Moderate	Moderate
0420	EAST GODAVARI	PEDDAPURAM	Normal	Normal	Normal
0421	EAST GODAVARI	PITHAPURAM	Normal	Normal	Normal
0422	EAST GODAVARI	KOTHAPALLE	Normal	Normal	Normal
0423	EAST GODAVARI	KAKINADA (RURAL)	Normal	Moderate	Moderate
0424	EAST GODAVARI	KAKINADA (URBAN)	Normal	Normal	Normal
0425	EAST GODAVARI	SAMALKOTA	Normal	Normal	Normal
0426	EAST GODAVARI	RANGAMPETA	Normal	Normal	Normal





0427	EAST GODAVARI	GANDEPALLE	Normal	Normal	Normal
0428	EAST GODAVARI	RAJANAGARAM	Normal	Normal	Normal
0429	EAST GODAVARI	RAJAHMUNDRY (URBAN)	Normal	Normal	Normal
0430	EAST GODAVARI	RAJAHMUNDRY (RURAL)	Normal	Normal	Normal
0431	EAST GODAVARI	KADIAM	Normal	Normal	Normal
0432	EAST GODAVARI	MANDAPETA	Normal	Normal	Normal
0433	EAST GODAVARI	ANAPARTHY	Normal	Normal	Normal
0434	EAST GODAVARI	BICCAVOLU	Normal	Normal	Normal
0435	EAST GODAVARI	PEDAPUDI	Normal	Normal	Normal
0436	EAST GODAVARI	KARAPA	Normal	Normal	Normal
0437	EAST GODAVARI	THALLAREVU	Normal	Normal	Normal
0438	EAST GODAVARI	KAJULURU	Normal	Normal	Normal
0439	EAST GODAVARI	RAMACHANDRAPURAM	Normal	Normal	Normal
0440	EAST GODAVARI	RAYAVARAM	Normal	Normal	Normal
0441	EAST GODAVARI	KAPILESWARAPURAM	Normal	Normal	Normal
0442	EAST GODAVARI	ALAMURU	Normal	Normal	Normal
0443	EAST GODAVARI	ATREYAPURAM	Normal	Normal	Normal
0444	EAST GODAVARI	RAVULAPALEM	Normal	Normal	Normal
0445	EAST GODAVARI	PAMARRU	Normal	Normal	Normal
0446	EAST GODAVARI	KOTHAPETA	Normal	Normal	Normal
0447	EAST GODAVARI	P.GANNAVARAM	Normal	Normal	Normal
0448	EAST GODAVARI	AMBAJIPETA	Normal	Normal	Normal
0449	EAST GODAVARI	AINAVILLI	Normal	Normal	Normal
0450	EAST GODAVARI	MUMMIDIVARAM	Normal	Normal	Normal
0451	EAST GODAVARI	I. POLAVARAM	Normal	Normal	Normal
0452	EAST GODAVARI	KATRENKONA	Normal	Normal	Normal
0453	EAST GODAVARI	UPPALAGUPTAM	Normal	Normal	Normal
0454	EAST GODAVARI	AMALAPURAM	Normal	Normal	Normal
0455	EAST GODAVARI	ALLAVARAM	Normal	Normal	Normal
0456	EAST GODAVARI	MAMIDIKUDURU	Normal	Normal	Normal
0457	EAST GODAVARI	RAZOLE	Normal	Normal	Normal
0458	EAST GODAVARI	MALIKIPURAM	Normal	Normal	Normal
0459	EAST GODAVARI	SAKHINETIPALLE	Normal	Normal	Normal
0460	EAST GODAVARI	ROWTHULAPUDI	Normal	Normal	Normal
0461	EAST GODAVARI	NELLIPAKA	Severe	Severe	Severe
0462	EAST GODAVARI	KUNAVARAM	Normal	Normal	Normal
0463	EAST GODAVARI	CHINTUR	Normal	Normal	Normal
0464	EAST GODAVARI	VARARAMACHANDRAPURAM	Normal	Normal	Normal
0501	WEST GODAVARI	JEELUGU MILLI	Normal	Normal	Normal
0502	WEST GODAVARI	BUTTAYAGUDEM	Normal	Normal	Normal
0503	WEST GODAVARI	POLAVARAM	Moderate	Moderate	Moderate
0504	WEST GODAVARI	TALLAPUDI	Normal	Normal	Normal
0505	WEST GODAVARI	GOPALAPURAM	Normal	Normal	Normal
0506	WEST GODAVARI	KOYYALAGUDEM	Moderate	Severe	Severe
0507	WEST GODAVARI	JANGAREDDIGUDEM	Normal	Normal	Normal
0508	WEST GODAVARI	T.NARASAPURAM	Normal	Normal	Normal
0509	WEST GODAVARI	CHINTALAPUDI	Moderate	Severe	Severe
0510	WEST GODAVARI	LINGAPALEM	Normal	Normal	Normal
0511	WEST GODAVARI	KAMAVARAPUKOTA	Normal	Normal	Normal
0512	WEST GODAVARI	DWARAKA TIRUMALA	Normal	Normal	Normal
0513	WEST GODAVARI	NALLAJERLA	Normal	Normal	Normal
0514	WEST GODAVARI	DEVARAPALLE	Moderate	Moderate	Moderate
0515	WEST GODAVARI	CHAGALLU	Normal	Normal	Normal
0516	WEST GODAVARI	KOVVUR	Normal	Normal	Normal
0517	WEST GODAVARI	NIDADAVOLE	Normal	Normal	Normal
0518	WEST GODAVARI	TADEPALLIGUDEM	Normal	Normal	Normal
0519	WEST GODAVARI	UNGUTUR	Normal	Normal	Normal
0520	WEST GODAVARI	BHIMADOLE	Normal	Normal	Normal
0521	WEST GODAVARI	PEDAVEGI	Normal	Normal	Normal



0522	WEST GODAVARI	PEDAPADU	Normal	Normal	Normal
0523	WEST GODAVARI	ELURU	Normal	Normal	Normal
0524	WEST GODAVARI	DENDULURU	Normal	Normal	Normal
0525	WEST GODAVARI	NIDAMARRU	Moderate	Severe	Severe
0526	WEST GODAVARI	GANAPAVARAM	Moderate	Normal	Moderate
0527	WEST GODAVARI	PENTAPADU	Moderate	Normal	Moderate
0528	WEST GODAVARI	TANUKU	Normal	Normal	Normal
0529	WEST GODAVARI	UNDRAJAVARAM	Normal	Normal	Normal
0530	WEST GODAVARI	PERAVALI	Normal	Normal	Normal
0531	WEST GODAVARI	IRAGAVARAM	Normal	Normal	Normal
0532	WEST GODAVARI	ATTILI	Moderate	Normal	Moderate
0533	WEST GODAVARI	UNDI	Moderate	Normal	Moderate
0534	WEST GODAVARI	AKIVIDU	Moderate	Moderate	Moderate
0535	WEST GODAVARI	KALLA	Normal	Normal	Normal
0536	WEST GODAVARI	BHIMAVARAM	Normal	Normal	Normal
0537	WEST GODAVARI	PALACODERU	Normal	Normal	Normal
0538	WEST GODAVARI	VEERAVASARAM	Normal	Normal	Normal
0539	WEST GODAVARI	PENUMANTRA	Normal	Normal	Normal
0540	WEST GODAVARI	PENUGONDA	Normal	Normal	Normal
0541	WEST GODAVARI	ACHANTA	Normal	Normal	Normal
0542	WEST GODAVARI	PODURU	Normal	Normal	Normal
0543	WEST GODAVARI	PALACOLE	Normal	Normal	Normal
0544	WEST GODAVARI	YELAMANCHILI	Normal	Normal	Normal
0545	WEST GODAVARI	NARASAPURAM	Normal	Normal	Normal
0546	WEST GODAVARI	MOGALTHUR	Normal	Normal	Normal
0547	WEST GODAVARI	KUKUNOOR	Severe	Severe	Severe
0548	WEST GODAVARI	VELAIRPADU	Normal	Normal	Normal
0601	KRISHNA	JAGGAYAPETA	Moderate	Moderate	Moderate
0602	KRISHNA	VATSAVAI	Severe	Moderate	Severe
0603	KRISHNA	PENUGANCHIPROLU	Normal	Normal	Normal
0604	KRISHNA	NANDIGAMA	Moderate	Moderate	Moderate
0605	KRISHNA	CHANDARLAPADU	Severe	Severe	Severe
0606	KRISHNA	KANCHIKACHERLA	Moderate	Normal	Moderate
0607	KRISHNA	VEERULLAPADU	Normal	Normal	Normal
0608	KRISHNA	IBRAHIMPATNAM	Normal	Normal	Normal
0609	KRISHNA	G.KONDURU	Normal	Normal	Normal
0610	KRISHNA	MYLAVARAM	Normal	Normal	Normal
0611	KRISHNA	A.KONDURU	Normal	Normal	Normal
0612	KRISHNA	GAMPALAGUDEM	Moderate	Moderate	Moderate
0613	KRISHNA	TIRUVURU	Normal	Normal	Normal
0614	KRISHNA	VISSANNAPET	Normal	Normal	Normal
0615	KRISHNA	REDDIGUDEM	Normal	Normal	Normal
0616	KRISHNA	VIJAYAWADA (URBAN)	Moderate	Moderate	Moderate
0617	KRISHNA	VIJAYAWADA (RURAL)	Normal	Normal	Normal
0618	KRISHNA	PENAMALURU	Normal	Normal	Normal
0619	KRISHNA	THOTLAVALLURU	Severe	Normal	Severe
0620	KRISHNA	KANKIPADU	Normal	Normal	Normal
0621	KRISHNA	GANNAVARAM	Normal	Normal	Normal
0622	KRISHNA	AGIRIPALLE	Normal	Normal	Normal
0623	KRISHNA	NUZVID	Normal	Normal	Normal
0624	KRISHNA	CHATRAI	Moderate	Moderate	Moderate
0625	KRISHNA	MUSUNURU	Normal	Normal	Normal
0626	KRISHNA	BAPULAPADU	Normal	Normal	Normal
0627	KRISHNA	UNGUTURU	Normal	Normal	Normal
0628	KRISHNA	VUYYURU	Moderate	Normal	Moderate
0629	KRISHNA	PAMIDIMUKKALA	Severe	Severe	Severe
0630	KRISHNA	MOVVA	Severe	Severe	Severe
0631	KRISHNA	GHANTASALA	Normal	Normal	Normal
0632	KRISHNA	CHALLAPALLE	Normal	Normal	Normal



0633	KRISHNA	MOPIDEVI	Moderate	Moderate	Moderate
0634	KRISHNA	AVANIGADDA	Severe	Moderate	Severe
0635	KRISHNA	NAGAYALANKA	Severe	Moderate	Severe
0636	KRISHNA	KODURU	Severe	Moderate	Severe
0637	KRISHNA	MACHILIPATNAM	Severe	Severe	Severe
0638	KRISHNA	GUDURU	Moderate	Severe	Severe
0639	KRISHNA	PAMARRU	Moderate	Moderate	Moderate
0640	KRISHNA	PEDAPARUPUDI	Normal	Normal	Normal
0641	KRISHNA	NANDIVADA	Moderate	Moderate	Moderate
0642	KRISHNA	GUDIVADA	Moderate	Moderate	Moderate
0643	KRISHNA	GUDLAVALLERU	Severe	Normal	Severe
0644	KRISHNA	PEDANA	Severe	Severe	Severe
0645	KRISHNA	BANTUMILLI	Moderate	Normal	Moderate
0646	KRISHNA	MUDINEPALLE	Severe	Normal	Severe
0647	KRISHNA	MANDAVALLI	Severe	Severe	Severe
0648	KRISHNA	KAIKALUR	Severe	Severe	Severe
0649	KRISHNA	KALIDINDI	Moderate	Normal	Moderate
0650	KRISHNA	KRUTHIVENNU	Normal	Normal	Normal
0701	GUNTUR	MACHERLA	Normal	Normal	Normal
0702	GUNTUR	RENTACHINTALA	Normal	Normal	Normal
0703	GUNTUR	GURAZALA	Severe	Normal	Severe
0704	GUNTUR	DACHEPALLE	Severe	Normal	Severe
0705	GUNTUR	MACHAVARAM	Severe	Severe	Severe
0706	GUNTUR	BELLAMKONDA	Severe	Severe	Severe
0707	GUNTUR	ATCHAMPET	Severe	Moderate	Severe
0708	GUNTUR	KROSURU	Severe	Moderate	Severe
0709	GUNTUR	AMARAVATHI	Moderate	Normal	Moderate
0710	GUNTUR	THULLUR	Moderate	Normal	Moderate
0711	GUNTUR	TADEPALLE	Normal	Normal	Normal
0712	GUNTUR	MANGALAGIRI	Normal	Normal	Normal
0713	GUNTUR	TADIKONDA	Moderate	Moderate	Moderate
0714	GUNTUR	PEDAKURAPADU	Moderate	Normal	Moderate
0715	GUNTUR	SATTENAPALLE	Severe	Moderate	Severe
0716	GUNTUR	RAJUPALEM	Severe	Normal	Severe
0717	GUNTUR	PIDUGURALLA	Severe	Moderate	Severe
0718	GUNTUR	KAREMPUDI	Severe	Normal	Severe
0719	GUNTUR	DURGI	Normal	Normal	Normal
0720	GUNTUR	VELDURTHI	Normal	Normal	Normal
0721	GUNTUR	BOLLAPALLE	Severe	Moderate	Severe
0722	GUNTUR	NEKARIKALLU	Severe	Moderate	Severe
0723	GUNTUR	MUPPALLA	Severe	Moderate	Severe
0724	GUNTUR	PHIRANGIPURAM	Severe	Moderate	Severe
0725	GUNTUR	MEDIKONDURU	Severe	Moderate	Severe
0726	GUNTUR	GUNTUR	Severe	Moderate	Severe
0727	GUNTUR	PEDAKAKANI	Moderate	Normal	Moderate
0728	GUNTUR	DUGGIRALA	Normal	Normal	Normal
0729	GUNTUR	KOLLIPARA	Normal	Normal	Normal
0730	GUNTUR	KOLLUR	Normal	Normal	Normal
0731	GUNTUR	VEMURU	Normal	Moderate	Moderate
0732	GUNTUR	TENALI	Normal	Moderate	Moderate
0733	GUNTUR	TSUNDUR	Normal	Normal	Normal
0734	GUNTUR	CHEBROLU	Normal	Normal	Normal
0735	GUNTUR	VATTICHERUKURU	Normal	Moderate	Moderate
0736	GUNTUR	PRATHIPADU	Severe	Severe	Severe
0737	GUNTUR	EDLAPADU	Severe	Severe	Severe
0738	GUNTUR	NADENDLA	Severe	Severe	Severe
0739	GUNTUR	NARASARAOPET	Moderate	Normal	Moderate
0740	GUNTUR	ROMPICHERLA	Moderate	Normal	Moderate
0741	GUNTUR	IPUR	Moderate	Normal	Moderate





0742	GUNTUR	SAVALYAPURAM	Moderate	Normal	Moderate
0743	GUNTUR	VINUKONDA	Normal	Normal	Normal
0744	GUNTUR	NUZENDLA	Normal	Normal	Normal
0745	GUNTUR	CHILAKALURIPET	Normal	Normal	Normal
0746	GUNTUR	PEDANANDIPADU	Severe	Moderate	Severe
0747	GUNTUR	KAKUMANU	Normal	Normal	Normal
0748	GUNTUR	PONNUR	Normal	Normal	Normal
0749	GUNTUR	AMRUTHALUR	Normal	Normal	Normal
0750	GUNTUR	CHERUKUPALLE	Normal	Normal	Normal
0751	GUNTUR	BHATTIPROLU	Normal	Normal	Normal
0752	GUNTUR	REPALLE	Normal	Moderate	Moderate
0753	GUNTUR	NAGARAM	Normal	Normal	Normal
0754	GUNTUR	NIZAMPATNAM	Moderate	Normal	Moderate
0755	GUNTUR	PITTALAVANIPALEM	Normal	Normal	Normal
0756	GUNTUR	KARLAPALEM	Normal	Normal	Normal
0757	GUNTUR	BAPATLA	Normal	Normal	Normal
0801	PRAKASAM	YERRAGONDAPALEM	Normal	Moderate	Moderate
0802	PRAKASAM	PULLALACHERUVU	Normal	Normal	Normal
0803	PRAKASAM	TRIPURANTHAKAM	Normal	Normal	Normal
0804	PRAKASAM	KURICHEDU	Normal	Normal	Normal
0805	PRAKASAM	DONAKONDA	Normal	Normal	Normal
0806	PRAKASAM	PEDA ARAVEEDU	Normal	Moderate	Moderate
0807	PRAKASAM	DORNALA	Severe	Severe	Severe
0808	PRAKASAM	ARDHAVEEDU	Moderate	Normal	Moderate
0809	PRAKASAM	MARKAPUR	Normal	Moderate	Moderate
0810	PRAKASAM	TARLUPADU	Normal	Normal	Normal
0811	PRAKASAM	KONAKANAMITLA	Normal	Normal	Normal
0812	PRAKASAM	PODILI	Normal	Normal	Normal
0813	PRAKASAM	DARSI	Normal	Normal	Normal
0814	PRAKASAM	MUNDLAMURU	Normal	Normal	Normal
0815	PRAKASAM	THALLUR	Normal	Normal	Normal
0816	PRAKASAM	ADDANKI	Normal	Normal	Normal
0817	PRAKASAM	BALLIKURAVA	Normal	Normal	Normal
0818	PRAKASAM	SANTHAMAGULURU	Moderate	Normal	Moderate
0819	PRAKASAM	YEDDANAPUDI	Moderate	Moderate	Moderate
0820	PRAKASAM	MARTUR	Normal	Normal	Normal
0821	PRAKASAM	PARCHUR	Moderate	Normal	Moderate
0822	PRAKASAM	KARAMCHEDU	Moderate	Moderate	Moderate
0823	PRAKASAM	CHIRALA	Normal	Normal	Normal
0824	PRAKASAM	VETAPALEM	Severe	Normal	Severe
0825	PRAKASAM	INKOLLU	Normal	Severe	Severe
0826	PRAKASAM	JANAKAVARAMPANGULURU	Normal	Normal	Normal
0827	PRAKASAM	KORISAPADU	Normal	Moderate	Moderate
0828	PRAKASAM	MADDIPADU	Moderate	Severe	Severe
0829	PRAKASAM	CHIMAKURTHI	Normal	Normal	Normal
0830	PRAKASAM	MARRIPUDI	Normal	Normal	Normal
0831	PRAKASAM	KANIGIRI	Normal	Normal	Normal
0832	PRAKASAM	HANUMANTHUNIPADU	Normal	Normal	Normal
0833	PRAKASAM	BESTAWARIPETA	Normal	Normal	Normal
0834	PRAKASAM	CUMBUM	Moderate	Moderate	Moderate
0835	PRAKASAM	RACHERLA	Normal	Moderate	Moderate
0836	PRAKASAM	GIDDALUR	Normal	Moderate	Moderate
0837	PRAKASAM	KOMAROLU	Normal	Normal	Normal
0838	PRAKASAM	CHANDRASEKHARA PURAM	Normal	Normal	Normal
0839	PRAKASAM	VELIGANDLA	Normal	Normal	Normal
0840	PRAKASAM	PEDACHERLO PALLE	Normal	Normal	Normal
0841	PRAKASAM	PONNALURU	Normal	Normal	Normal
0842	PRAKASAM	KONDAPI	Normal	Moderate	Moderate
0843	PRAKASAM	SANTHANUTHALA PADU	Normal	Moderate	Moderate



0844	PRAKASAM	ONGOLE	Normal	Moderate	Moderate
0845	PRAKASAM	NAGULUPPALAPADU	Normal	Moderate	Moderate
0846	PRAKASAM	CHINAGANJAM	Normal	Moderate	Moderate
0847	PRAKASAM	KOTHA PATNAM	Severe	Normal	Severe
0848	PRAKASAM	TANGUTUR	Moderate	Moderate	Moderate
0849	PRAKASAM	ZARUGUMILLI	Normal	Moderate	Moderate
0850	PRAKASAM	KANDUKUR	Normal	Normal	Normal
0851	PRAKASAM	VOLETIVARIPALEM	Normal	Moderate	Moderate
0852	PRAKASAM	PAMUR	Normal	Normal	Normal
0853	PRAKASAM	LINGASAMUDRAM	Normal	Moderate	Moderate
0854	PRAKASAM	GUDLURU	Normal	Normal	Normal
0855	PRAKASAM	ULAVAPADU	Normal	Normal	Normal
0856	PRAKASAM	SINGARAYAKONDA	Normal	Normal	Normal
0901	PS NELLORE	SEETHARAMAPURAM	Normal	Normal	Normal
0902	PS NELLORE	VARIKUNTAPADU	Normal	Normal	Normal
0903	PS NELLORE	KONDAPURAM	Normal	Normal	Normal
0904	PS NELLORE	JALADANKI	Normal	Moderate	Moderate
0905	PS NELLORE	KAVALI	Normal	Normal	Normal
0906	PS NELLORE	BOGOLE	Moderate	Severe	Severe
0907	PS NELLORE	KALIGIRI	Normal	Normal	Normal
0908	PS NELLORE	VINJAMUR	Normal	Normal	Normal
0909	PS NELLORE	DUTTALUR	Normal	Normal	Normal
0910	PS NELLORE	UDAYAGIRI	Normal	Normal	Normal
0911	PS NELLORE	MARRIPADU	Normal	Normal	Normal
0912	PS NELLORE	ATMAKUR	Normal	Moderate	Moderate
0913	PS NELLORE	ANUMASAMUDRAMPETA	Normal	Normal	Normal
0914	PS NELLORE	DAGADARTHI	Normal	Normal	Normal
0915	PS NELLORE	ALLUR	Moderate	Moderate	Moderate
0916	PS NELLORE	VIDAVALUR	Severe	Severe	Severe
0917	PS NELLORE	KODAVALUR	Moderate	Moderate	Moderate
0918	PS NELLORE	BUCHIREDDIPALEM	Moderate	Moderate	Moderate
0919	PS NELLORE	SANGAM	Normal	Moderate	Moderate
0920	PS NELLORE	CHEJERLA	Normal	Moderate	Moderate
0921	PS NELLORE	ANANTHASAGARAM	Normal	Moderate	Moderate
0922	PS NELLORE	KALUVOYA	Normal	Moderate	Moderate
0923	PS NELLORE	RAPUR	Normal	Normal	Normal
0924	PS NELLORE	PODALAKUR	Normal	Normal	Normal
0925	PS NELLORE	PS NELLORE	Normal	Normal	Normal
0926	PS NELLORE	KOVUR	Severe	Severe	Severe
0927	PS NELLORE	INDUKURPET	Severe	Severe	Severe
0928	PS NELLORE	THOTAPALLIGUDUR	Moderate	Moderate	Moderate
0929	PS NELLORE	MUTHUKUR	Moderate	Moderate	Moderate
0930	PS NELLORE	VENKATACHALAM	Normal	Moderate	Moderate
0931	PS NELLORE	MANUBOLU	Moderate	Moderate	Moderate
0932	PS NELLORE	GUDUR	Normal	Normal	Normal
0933	PS NELLORE	SYDAPURAM	Normal	Normal	Normal
0934	PS NELLORE	DAKKILI	Normal	Normal	Normal
0935	PS NELLORE	VENKATAGIRI	Normal	Normal	Normal
0936	PS NELLORE	BALAYAPALLE	Normal	Moderate	Moderate
0937	PS NELLORE	OJILI	Severe	Severe	Severe
0938	PS NELLORE	CHILLAKUR	Severe	Moderate	Severe
0939	PS NELLORE	KOTA	Severe	Severe	Severe
0940	PS NELLORE	VAKADU	Severe	Severe	Severe
0941	PS NELLORE	CHITTAMUR	Severe	Severe	Severe
0942	PS NELLORE	NAIDUPET	Severe	Severe	Severe
0943	PS NELLORE	PELLAKUR	Moderate	Moderate	Moderate
0944	PS NELLORE	DORAVARISATRAM	Severe	Severe	Severe
0945	PS NELLORE	SULLURPETA	Severe	Severe	Severe
0946	PS NELLORE	TADA	Severe	Severe	Severe



1001	CHITTOOR	PEDDAMANDYAM	Normal	Normal	Normal
1002	CHITTOOR	THAMBALLAPALLE	Normal	Normal	Normal
1003	CHITTOOR	MULAKALACHERUVU	Normal	Normal	Normal
1004	CHITTOOR	PEDDA THIPPASAMUDRAM	Normal	Normal	Normal
1005	CHITTOOR	B.KOTHAKOTA	Normal	Normal	Normal
1006	CHITTOOR	KURABALAKOTA	Normal	Normal	Normal
1007	CHITTOOR	GURRAMKONDA	Normal	Normal	Normal
1008	CHITTOOR	KALAKADA	Normal	Normal	Normal
1009	CHITTOOR	KAMBHAMVARIPALLE	Normal	Normal	Normal
1010	CHITTOOR	YERRAVARIPALEM	Moderate	Normal	Moderate
1011	CHITTOOR	TIRUPATI (URBAN)	Normal	Normal	Normal
1012	CHITTOOR	RENIGUNTA	Normal	Normal	Normal
1013	CHITTOOR	YERPEDU	Normal	Normal	Normal
1014	CHITTOOR	SRIKALAHASTI	Normal	Normal	Normal
1015	CHITTOOR	THOTTAMBEDU	Normal	Normal	Normal
1016	CHITTOOR	BUCHINAIDU KANDRIGA	Normal	Normal	Normal
1017	CHITTOOR	VARADAIAHPALEM	Severe	Moderate	Severe
1018	CHITTOOR	SATYAVEDU	Normal	Normal	Normal
1019	CHITTOOR	NAGALAPURAM	Severe	Severe	Severe
1020	CHITTOOR	PICHATUR	Severe	Severe	Severe
1021	CHITTOOR	VIJAYAPURAM	Moderate	Moderate	Moderate
1022	CHITTOOR	NINDRA	Moderate	Normal	Moderate
1023	CHITTOOR	K.V.B.PURAM	Severe	Moderate	Severe
1024	CHITTOOR	NARAYANAVANAM	Severe	Normal	Severe
1025	CHITTOOR	VADAMALAPETA	Normal	Normal	Normal
1026	CHITTOOR	TIRUPATI (RURAL)	Normal	Normal	Normal
1027	CHITTOOR	RAMACHANDRAPURAM	Normal	Normal	Normal
1028	CHITTOOR	CHANDRAGIRI	Normal	Normal	Normal
1029	CHITTOOR	CHINNAGOTTIGALLU	Normal	Normal	Normal
1030	CHITTOOR	ROMPICHERLA	Normal	Normal	Normal
1031	CHITTOOR	PILERU	Normal	Normal	Normal
1032	CHITTOOR	KALKIRI	Normal	Normal	Normal
1033	CHITTOOR	VAYALPAD	Normal	Normal	Normal
1034	CHITTOOR	NIMMANAPALLE	Normal	Normal	Normal
1035	CHITTOOR	MADANAPALLE	Normal	Normal	Normal
1036	CHITTOOR	RAMASAMUDRAM	Severe	Normal	Severe
1037	CHITTOOR	PUNGANUR	Severe	Normal	Severe
1038	CHITTOOR	CHOWDEPALLE	Moderate	Normal	Moderate
1039	CHITTOOR	SOMALA	Normal	Normal	Normal
1040	CHITTOOR	SODAM	Normal	Normal	Normal
1041	CHITTOOR	PULICHERLA	Normal	Normal	Normal
1042	CHITTOOR	PAKALA	Normal	Normal	Normal
1043	CHITTOOR	VEDURUKUPPAM	Normal	Normal	Normal
1044	CHITTOOR	PUTTUR	Normal	Normal	Normal
1045	CHITTOOR	NAGARI	Severe	Moderate	Severe
1046	CHITTOOR	KARVETINAGAR	Normal	Normal	Normal
1047	CHITTOOR	SRIRANGARAJAPURAM	Normal	Normal	Normal
1048	CHITTOOR	PALASAMUDRAM	Normal	Normal	Normal
1049	CHITTOOR	GANGADHARAPS NELLORE	Normal	Normal	Normal
1050	CHITTOOR	PENUMURU	Normal	Normal	Normal
1051	CHITTOOR	PUTHALAPATTU	Normal	Normal	Normal
1052	CHITTOOR	IRALA	Normal	Normal	Normal
1053	CHITTOOR	THAVANAMPALLE	Normal	Normal	Normal
1054	CHITTOOR	CHITTOOR	Normal	Normal	Normal
1055	CHITTOOR	GUDIPALA	Normal	Normal	Normal
1056	CHITTOOR	YADAMARRI	Normal	Normal	Normal
1057	CHITTOOR	BANGARUPALEM	Normal	Normal	Normal
1058	CHITTOOR	PALAMANER	Normal	Normal	Normal
1059	CHITTOOR	GANGAVARAM	Normal	Normal	Normal



1060	CHITTOOR	PEDDAPANJANI	Severe	Normal	Severe
1061	CHITTOOR	BAIREDDIPALLE	Normal	Normal	Normal
1062	CHITTOOR	VENKATAGIRIKOTA	Moderate	Normal	Moderate
1063	CHITTOOR	RAMAKUPPAM	Severe	Severe	Severe
1064	CHITTOOR	SANTHIPURAM	Severe	Normal	Severe
1065	CHITTOOR	GUDUPALLE	Moderate	Normal	Moderate
1066	CHITTOOR	KUPPAM	Severe	Severe	Severe
1101	YSR KADAPA	KONDAPURAM	Severe	Moderate	Severe
1102	YSR KADAPA	MYLAVARAM	Moderate	Normal	Moderate
1103	YSR KADAPA	PEDDAMUDIUM	Severe	Normal	Severe
1104	YSR KADAPA	RAJUPALEM	Severe	Severe	Severe
1105	YSR KADAPA	DUVVUR	Severe	Severe	Severe
1106	YSR KADAPA	S.MYDUKUR	Severe	Severe	Severe
1107	YSR KADAPA	BRAHMAMGARIMATTAM	Severe	Severe	Severe
1108	YSR KADAPA	B.KODUR	Severe	Normal	Severe
1109	YSR KADAPA	KALASAPADU	Severe	Moderate	Severe
1110	YSR KADAPA	PORUMAMILLA	Severe	Moderate	Severe
1111	YSR KADAPA	BADVEL	Severe	Normal	Severe
1112	YSR KADAPA	GOPAVARAM	Moderate	Normal	Moderate
1113	YSR KADAPA	KHAJIPET	Severe	Severe	Severe
1114	YSR KADAPA	CHAPAD	Severe	Severe	Severe
1115	YSR KADAPA	PRODDATUR	Severe	Severe	Severe
1116	YSR KADAPA	JAMMALAMADUGU	Severe	Normal	Severe
1117	YSR KADAPA	MUDDANUR	Severe	Normal	Severe
1118	YSR KADAPA	SIMHADRIPURAM	Moderate	Normal	Moderate
1119	YSR KADAPA	LINGALA	Normal	Normal	Normal
1120	YSR KADAPA	PULIVENDLA	Moderate	Normal	Moderate
1121	YSR KADAPA	VEMULA	Normal	Normal	Normal
1122	YSR KADAPA	THONDUR	Moderate	Normal	Moderate
1123	YSR KADAPA	VEERAPUNAYUNIPALLE	Severe	Severe	Severe
1124	YSR KADAPA	YERRAGUNTLA	Severe	Moderate	Severe
1125	YSR KADAPA	KAMALAPURAM	Severe	Severe	Severe
1126	YSR KADAPA	VALLUR	Severe	Severe	Severe
1127	YSR KADAPA	CHENNUR	Severe	Severe	Severe
1128	YSR KADAPA	ATLUR	Normal	Normal	Normal
1129	YSR KADAPA	VONTIMITTA	Normal	Normal	Normal
1130	YSR KADAPA	SIDHOUT	Moderate	Normal	Moderate
1131	YSR KADAPA	YSR KADAPA	Severe	Severe	Severe
1132	YSR KADAPA	CHINTHAKOMMADINNE	Severe	Moderate	Severe
1133	YSR KADAPA	PENDLIMARRI	Severe	Moderate	Severe
1134	YSR KADAPA	VEMPALLE	Moderate	Normal	Moderate
1135	YSR KADAPA	CHAKRAYAPET	Normal	Normal	Normal
1136	YSR KADAPA	LAKKIREDDIPALLE	Normal	Normal	Normal
1137	YSR KADAPA	RAMAPURAM	Normal	Normal	Normal
1138	YSR KADAPA	VEERABALLE	Normal	Normal	Normal
1139	YSR KADAPA	RAJAMPET	Normal	Normal	Normal
1140	YSR KADAPA	NANDALUR	Moderate	Normal	Moderate
1141	YSR KADAPA	PENAGALUR	Moderate	Normal	Moderate
1142	YSR KADAPA	CHITVEL	Normal	Normal	Normal
1143	YSR KADAPA	KODUR	Normal	Normal	Normal
1144	YSR KADAPA	OBULAVARIPALLE	Normal	Normal	Normal
1145	YSR KADAPA	PULLAMPETA	Normal	Normal	Normal
1146	YSR KADAPA	T SUNDUPALLE	Normal	Normal	Normal
1147	YSR KADAPA	SAMBEPALLE	Normal	Normal	Normal
1148	YSR KADAPA	CHINNAMANDEM	Normal	Normal	Normal
1149	YSR KADAPA	RAYACHOTI	Normal	Normal	Normal
1150	YSR KADAPA	GALIVEEDU	Moderate	Normal	Moderate
1151	YSR KADAPA	SRI AVADHUTHA KASINAYANA	Severe	Moderate	Severe
1201	ANANTAPURAM	D.HIREHAL	Normal	Normal	Normal



1202	ANANTAPURAM	BOMMANAHAL	Moderate	Moderate	Moderate
1203	ANANTAPURAM	VIDAPANAKAL	Severe	Normal	Severe
1204	ANANTAPURAM	VAJRAKARUR	Moderate	Normal	Moderate
1205	ANANTAPURAM	GUNTAKAL	Severe	Moderate	Severe
1206	ANANTAPURAM	GOOTY	Moderate	Normal	Moderate
1207	ANANTAPURAM	PEDDAVADUGUR	Normal	Normal	Normal
1208	ANANTAPURAM	YADIKI	Normal	Normal	Normal
1209	ANANTAPURAM	TADPATRI	Normal	Normal	Normal
1210	ANANTAPURAM	PEDDAPAPPUR	Normal	Normal	Normal
1211	ANANTAPURAM	SINGANAMALA	Severe	Moderate	Severe
1212	ANANTAPURAM	PAMIDI	Severe	Moderate	Severe
1213	ANANTAPURAM	GARLADINNE	Severe	Severe	Severe
1214	ANANTAPURAM	KUDAIR	Severe	Normal	Severe
1215	ANANTAPURAM	URAVAKONDA	Severe	Normal	Severe
1216	ANANTAPURAM	BELUGUPPA	Severe	Moderate	Severe
1217	ANANTAPURAM	KANEKAL	Severe	Severe	Severe
1218	ANANTAPURAM	RAYADURG	Severe	Severe	Severe
1219	ANANTAPURAM	GUMMAGATTA	Severe	Severe	Severe
1220	ANANTAPURAM	BRAHMASAMUDRAM	Severe	Severe	Severe
1221	ANANTAPURAM	SETTUR	Severe	Severe	Severe
1222	ANANTAPURAM	KUNDURPI	Severe	Severe	Severe
1223	ANANTAPURAM	KALYANDURG	Severe	Severe	Severe
1224	ANANTAPURAM	ATMAKUR	Severe	Moderate	Severe
1225	ANANTAPURAM	ANANTAPURAM	Severe	Severe	Severe
1226	ANANTAPURAM	BUKKARAYA SAMUDRAM	Severe	Severe	Severe
1227	ANANTAPURAM	NARPALA	Moderate	Moderate	Moderate
1228	ANANTAPURAM	PUTLUR	Normal	Normal	Normal
1229	ANANTAPURAM	YELLANUR	Normal	Normal	Normal
1230	ANANTAPURAM	TADIMARRI	Normal	Normal	Normal
1231	ANANTAPURAM	BATHALAPALLE	Normal	Normal	Normal
1232	ANANTAPURAM	RAPTADU	Severe	Moderate	Severe
1233	ANANTAPURAM	KANAGANAPALLE	Moderate	Normal	Moderate
1234	ANANTAPURAM	KAMBADUR	Moderate	Normal	Moderate
1235	ANANTAPURAM	RAMAGIRI	Moderate	Normal	Moderate
1236	ANANTAPURAM	CHENNEKOTHAPALLE	Normal	Normal	Normal
1237	ANANTAPURAM	DHARMAVARAM	Normal	Normal	Normal
1238	ANANTAPURAM	MUDIGUBBA	Normal	Normal	Normal
1239	ANANTAPURAM	TALUPULA	Normal	Normal	Normal
1240	ANANTAPURAM	NAMBULIPULIKUNTA	Normal	Normal	Normal
1241	ANANTAPURAM	TANAKAL	Normal	Normal	Normal
1242	ANANTAPURAM	NALLACHERUVU	Normal	Normal	Normal
1243	ANANTAPURAM	GANDLAPENTA	Normal	Normal	Normal
1244	ANANTAPURAM	KADIRI	Severe	Normal	Severe
1245	ANANTAPURAM	AMADAGUR	Normal	Normal	Normal
1246	ANANTAPURAM	OBULADEVARACHERUVU	Normal	Normal	Normal
1247	ANANTAPURAM	NALLAMADA	Normal	Normal	Normal
1248	ANANTAPURAM	GORANTLA	Normal	Normal	Normal
1249	ANANTAPURAM	PUTTAPARTHI	Normal	Normal	Normal
1250	ANANTAPURAM	BUKKAPATNAM	Normal	Normal	Normal
1251	ANANTAPURAM	KOTHACHERUVU	Normal	Normal	Normal
1252	ANANTAPURAM	PENUKONDA	Severe	Moderate	Severe
1253	ANANTAPURAM	RODDAM	Moderate	Moderate	Moderate
1254	ANANTAPURAM	SOMANDEPALLE	Severe	Moderate	Severe
1255	ANANTAPURAM	CHILAMATHUR	Moderate	Normal	Moderate
1256	ANANTAPURAM	LEPAKSHI	Severe	Severe	Severe
1257	ANANTAPURAM	HINDUPUR	Severe	Normal	Severe
1258	ANANTAPURAM	PARIGI	Normal	Normal	Normal
1259	ANANTAPURAM	MADAKASIRA	Severe	Moderate	Severe
1260	ANANTAPURAM	GUDIBANDA	Severe	Severe	Severe





1261	ANANTAPURAM	AMARAPURAM	Severe	Severe	Severe
1262	ANANTAPURAM	AGALI	Severe	Severe	Severe
1263	ANANTAPURAM	ROLLA	Severe	Severe	Severe
1301	KURNOOL	KOWTHALAM	Severe	Severe	Severe
1302	KURNOOL	KOSIGI	Moderate	Moderate	Moderate
1303	KURNOOL	MANTRALAYAM	Moderate	Moderate	Moderate
1304	KURNOOL	NANDEVARAM	Severe	Severe	Severe
1305	KURNOOL	C.BELAGAL	Severe	Moderate	Severe
1306	KURNOOL	GUDUR	Moderate	Normal	Moderate
1307	KURNOOL	KURNOOL	Severe	Severe	Severe
1308	KURNOOL	NANDIKOTKUR	Normal	Moderate	Moderate
1309	KURNOOL	PAGIDYALA	Moderate	Moderate	Moderate
1310	KURNOOL	KOTHAPALLE	Severe	Severe	Severe
1311	KURNOOL	ATMAKUR	Severe	Severe	Severe
1312	KURNOOL	SRISAILAM	N/A	N/A	N/A
1313	KURNOOL	VELGODE	Severe	Severe	Severe
1314	KURNOOL	PAMULAPADU	Normal	Moderate	Moderate
1315	KURNOOL	JUPADU BUNGALOW	Moderate	Moderate	Moderate
1316	KURNOOL	MIDTHUR	Moderate	Normal	Moderate
1317	KURNOOL	ORVAKAL	Severe	Moderate	Severe
1318	KURNOOL	KALLUR	Normal	Normal	Normal
1319	KURNOOL	KODUMUR	Moderate	Normal	Moderate
1320	KURNOOL	GONEGANDLA	Severe	Moderate	Severe
1321	KURNOOL	YEMMIGANUR	Severe	Severe	Severe
1322	KURNOOL	PEDDA KADUBUR	Severe	Severe	Severe
1323	KURNOOL	ADONI	Severe	Severe	Severe
1324	KURNOOL	HOLAGUNDA	Normal	Normal	Normal
1325	KURNOOL	ALUR	Severe	Normal	Severe
1326	KURNOOL	ASPARI	Severe	Moderate	Severe
1327	KURNOOL	DEVANAKONDA	Severe	Moderate	Severe
1328	KURNOOL	KRISHNAGIRI	Severe	Moderate	Severe
1329	KURNOOL	VELDURTHI	Moderate	Normal	Moderate
1330	KURNOOL	BETHAMCHERLA	Normal	Normal	Normal
1331	KURNOOL	PANYAM	Moderate	Moderate	Moderate
1332	KURNOOL	GADIVEMULA	Moderate	Moderate	Moderate
1333	KURNOOL	BANDI ATMAKUR	Moderate	Moderate	Moderate
1334	KURNOOL	NANDYAL	Normal	Normal	Normal
1335	KURNOOL	MAHANANDI	Moderate	Moderate	Moderate
1336	KURNOOL	SIRVEL	Moderate	Normal	Moderate
1337	KURNOOL	RUDRAVARAM	Moderate	Normal	Moderate
1338	KURNOOL	ALLAGADDA	Normal	Normal	Normal
1339	KURNOOL	CHAGALAMARRI	Moderate	Normal	Moderate
1340	KURNOOL	UYVALAWADA	Normal	Normal	Normal
1341	KURNOOL	DORNIPADU	Normal	Moderate	Moderate
1342	KURNOOL	GOSPADU	Moderate	Severe	Severe
1343	KURNOOL	KOILKUNTALA	Normal	Severe	Severe
1344	KURNOOL	BANAGANAPALLE	Normal	Normal	Normal
1345	KURNOOL	SANJAMALA	Normal	Normal	Normal
1346	KURNOOL	KOLIMIGUNDLA	Normal	Normal	Normal
1347	KURNOOL	OWK	Normal	Normal	Normal
1348	KURNOOL	PEAPALLY	Severe	Severe	Severe
1349	KURNOOL	DHONE	Severe	Severe	Severe
1350	KURNOOL	TUGGALI	Severe	Moderate	Severe
1351	KURNOOL	PATTIKONDA	Severe	Moderate	Severe
1352	KURNOOL	MADDIKERA (EAST)	Moderate	Normal	Moderate
1353	KURNOOL	CHIPPAGIRI	Moderate	Normal	Moderate
1354	KURNOOL	HALAHARVI	Severe	Normal	Severe