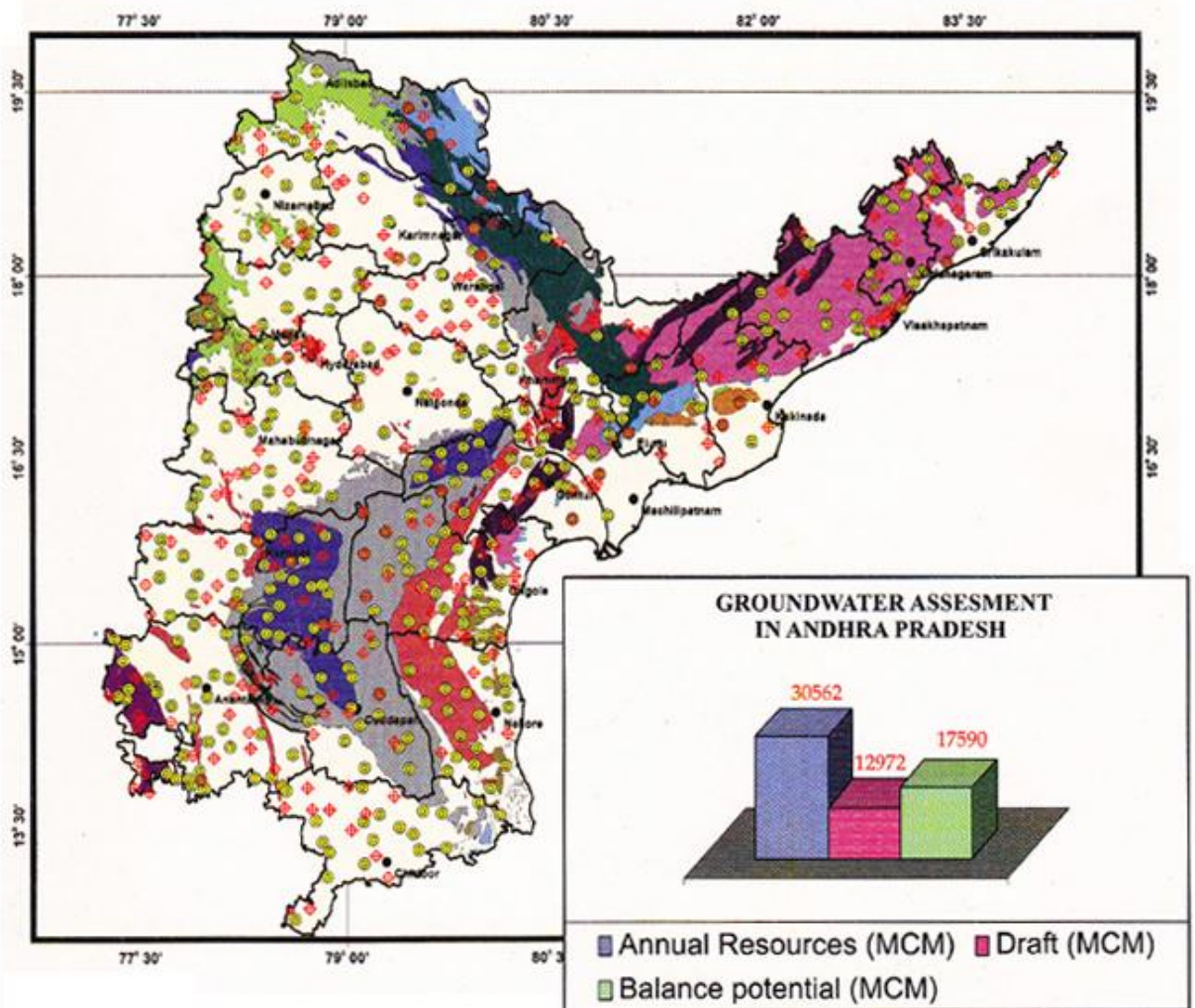


GOVERNMENT OF ANDHRA PRADESH  
GROUND WATER DEPARTMENT



REPORT ON  
**ESTIMATION OF GROUNDWATER RESOURCES  
IN ANDHRA PRADESH**



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DIRECTOR

HYDERABAD  
JULY '2002



## PREFACE

Groundwater has emerged as an important source to meet the water requirements of various sectors of society. The sustainable development and management of groundwater resource requires precise quantitative assessment based on valid scientific principles. Systematic groundwater assessment for erstwhile taluks in the State was first attempted in 1984-85. Last assessment for the State was done with mandal as a unit, using 1992-1993 data, based on Groundwater Estimation Committee, 1984 Methodology. The experience gained in past 15 years in employing this methodology, supplemented by number of research and pilot project studies, has brought into focus the need to update this methodology of groundwater resource estimation. 'Groundwater Estimation Methodology-1997' was the outcome of the recommendations of a 'High Power Committee' constituted by the Ministry of Water Resources, Government of India. The Government of Andhra Pradesh also constituted a State level Groundwater Estimation Committee with the Principal Secretary, Irrigation and Command Area Development Department as Chairman and 21 members from different organisations. The Director, State Groundwater Department is the Convenor of the Committee and the department was vested with the responsibility of completing this important task. A Technical Sub-Committee was formed with members from State Groundwater Department, Central Groundwater Board, NABARD, Directorate of Economics and Statistics for the purpose of framing the guide lines for data collection, validation and computing the groundwater potential in the State.

The Groundwater Estimation Committee 1997 methodology was received in the later part of 1998. Detailed guidelines were formulated through discussions and deliberations in the three State Level Groundwater Estimation Committee and eight Technical Sub-Committee Meetings held during 1999-2000 and communicated to the Deputy

Groundwater Estimation Committee and eight Technical Sub-Committee Meetings held during 1999-2000 and communicated to the Deputy Directors of the district offices for collection of data. Accordingly, the Deputy Directors have collected the data from different sources for the year 2000-2001. The Deputy Directors completed the collection of data and entry of village level data in the computer formats by the end of April 2002 and furnished to the Directorate.

At the Directorate, the data was analysed by Sri.S.Madhava Rao, Deputy Director[Hg], Dr.Pradeep Raj, Assistant Director[Hg] assisted by field officers from the respective districts in a remarkable short time of two months. The report is the outcome of the untiring efforts put up by these officers as well as the other officers at the Directorate mainly Sri Harish Kache, Assistant Director[Stat]; Dr.P.Mohan Rao, Assistant Hydrogeologist; Sri T.Hansraj, Assistant Hydrogeologist; Sri K.Lakshma, Assistant Hydrogeologist; Sri K.Phaninder Rao, Assistant Hydrogeologist and Sri C.Rakesh Chander, Assistant Hydrologist.

**Hyderabad.**

**15<sup>th</sup> July, 2002.**

  
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## FORE WORD

The National water policy enunciates periodic assessment of groundwater potential on scientific basis. 'Groundwater estimation Methodology-1997' was the outcome of the recommendations of a 'High Power Committee' constituted by the Ministry of Water Resources, Government of India. The revised methodology has incorporated a number of changes, which include assessment on a watershed approach.

Andhra Pradesh is the second state to complete the assessment as per the new methodology and is the only state in the entire country, which has extended the assessment up to village level. The report is the final outcome of the assessment and contains the details of basin wise annual availability of groundwater, current draft, allocation for domestic and industrial needs, availability for future irrigation use and categorisation based on stage of development and long term trend of water levels. The report also lists out the over exploited areas and poor groundwater quality areas. The district and basin reports up to village level are also generated for use at micro level for development and management of groundwater resources including water conservation, recharge and implementation of Land Water and Trees Act.

This report was placed before the State Level Groundwater Estimation Committee on 4<sup>th</sup> July and was thoroughly discussed and approved. However, some suggestions were made for strengthening the database and for involving the University students and Research organisations in pilot studies. The micro-level studies recommended in the over-exploited areas will help in identifying the deviations in the parameters used including the database and to refine the parameters of estimation.

This report is the ultimate culmination of the efforts of the officers of the Groundwater Department. I would like to express my appreciation to the Officers of the Ground Water Department involved in assessing the groundwater resource of the state and preparation of this report. It is hoped that the results of assessment would be of great help in formulating the resource augmentation and regulatory measures for sustainability of groundwater resources in the State.



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BASIN WISE GROUNDWATER RESOURCE ESTIMATION REPORTS

# GROUNDWATER RESOURCE ESTIMATION IN ANDHRA PRADESH

## 1.0 INTRODUCTION

During the last three decades, groundwater utilisation in Andhra Pradesh has increased tremendously. The well population in the State has increased from about *eight lakhs* in 1975 to *twenty two lakhs* in 2001. The Government and the scientific community have fully realised the need for a rational and scientific approach for development and management of groundwater resources through suitable administrative and legal measures. In order to achieve this task, a proper assessment of the available groundwater resources is of prime importance and need of the hour. The groundwater resource is assessed in terms of annual recharge and annual abstraction from the aquifer. Hence, it is the dynamic resource, which is assessed. However, it is realised that aquifers are being over exploited, drawing water from the static reserves by either temporary over draft or even by mining of the aquifer.

Groundwater resource estimation on a systematic approach was first attempted, based on the recommendations made by the Groundwater Estimation Committee constituted by the Government of India, in 1984. The resources were updated during 1992-93 with the data available then.

It was felt that the groundwater assessment procedures needs updating in light of new scientific studies and pilot projects taken up in different parts of the country. Accordingly in 1995, Ministry of Water Resources, Government of India constituted a high power Committee with experts drawn from Ministry of Water Resources, Central and State Groundwater Organisations, Research organisations and Universities to recommend a revised methodology. 'Groundwater Estimation Methodology-1997' was the outcome of the recommendations of that Committee. This was approved by Government of India in 1998 and communicated to all State Governments for taking up of resource assessment as per this methodology.

The important Changes made in Groundwater estimation methodology 1997 in comparison to 1984 Methodology, include:

- Basin of size 50 to 450 square kilometres is recommended as unit of groundwater assessment in hard rock areas.
- Separate assessment for command, non-command and poor groundwater quality areas.
- Separate assessment for monsoon and non-monsoon seasons.
- Norms for return flow from irrigation are now based on source of irrigation i.e., groundwater or surface water, type of crops and depth to water table below ground level.
- An explicit provision is now introduced on recharge due to water conservation structures.
- Groundwater levels have been made an integral part of groundwater assessment and categorisation of areas for groundwater development is now based on stage of groundwater development and long-term trend of these levels.
- Allocation for domestic and industrial supply is now based on population density and dependency on groundwater for this purpose.

Government of Andhra Pradesh constituted a State level Groundwater Estimation Committee with 21 members, drawn from different Organisations dealing with groundwater and Universities, with the Principal Secretary, Irrigation and Command Area Development Department as Chairman and Director, Groundwater Department, as the Convenor vide G.O.Ms.No.321, dated 20<sup>th</sup> September, 1998 and G.O.Ms.No.156, dated 5<sup>th</sup> August 1999. The responsibility of Assessment of groundwater resource for the State was vested with the Ground Water Department.

The members of the Committee constituted at the State level for estimation of groundwater resources are as follows.

1	Principal Secretary, Irrigation and Command Area Development Department, Government of A.P.	Chairman
2	Vice-chairman and Managing Director, AP State Irrigation Development Corporation Ltd., Hyderabad.	Member
3	Director, Agricultural Department, Govt. of A.P., Hyderabad.	Member
4	Joint Secretary (Inter State) Irrigation and Command Area Development Department, Government of A.P.,	Member
5	Chief Engineer (RWS), Panchayat Raj Department, Hyderabad.	Member
6	General Manager [Irrigation] National Bank for Agriculture and Rural Development, Hyderabad.	Member
7	Commissioner, Command Area Development Authority, Govt. of A.P.,	Member
8	Chief Engineer, Minor Irrigation, Govt. of A.P.	Member
9	Director, National Geophysical Research Institute, Govt. of India, Hyderabad.	Member
10	Director, National Remote Sensing Agency, Govt. of India, Hyderabad.	Member
11	Professor and Head, Department of Agronomy, Achayra N.G.Ranga Agricultural University, Hyderabad.	Member
12	Professor and Head, Department of Geology, Andhra University, Waltair.	Member
13	Professor and Head, Department of Geology, Osmania University, Hyderabad.	Member
14	Professor and Head, Department of Geology, Sri Venkateswara University, Tirupathi.	Member
15	Regional Director, Central Groundwater Board, Govt. of India, Hyderabad.	Member
16	Director, Directorate of Economics and Statistics, Hyderabad.	Member
17	Chief Engineer[REC], Andhra Pradesh State Electricity Board, Vidhyut Soudha, Hyderabad	Member
18	Managing Director, Andhra Pradesh Scheduled Castes Cooperative Finance Corporation Ltd., Hyderabad	Member
19	Managing Director, Andhra Pradesh State Cooperative Rural Irrigation Corporation Ltd., Hyderabad	Member
20	Chief Project Manager, Rural Electrification Corporation, Vidhyut Soudha, Hyderabad.	Member
21	Director, Groundwater Department, Hyderabad	Convenor

Considering the requirement of enormous data and the constraints in obtaining the reliable data from various sources, a small 'Technical Group'

was constituted with NABARD, Department of Economic and Statistics, CGWB and APSGWD to deliberate and evolve procedures for collecting the required data, validating the data, and for estimating the resource using the available data. In addition to the three State level meetings, the technical group met 8 times during 1999-2001 and the following decisions were taken based on the recommendations of both groups

- Unit draft can be based on field inventory in 5 to 10 sample villages in each district.
- Number of wells to be taken from the Chief Planning Offices, Mandal Revenue Offices and the records maintained by the Department of Economics and Statistics and A.P.Transco figures for comparison.
- Minor Irrigation Census data of 1993 can be adopted, wherever latest figures are not available and to apply growth rate as applicable. Growth rate shall be based on growth of power connections under irrigation sector as given by A.P.Transco.
- To use area irrigated under surface water sources, wherever, data on canal releases is not available.
- To use a spreadsheet programme developed by the department, tested and the approved by the technical committee

Accordingly, the groundwater resource estimates for the entire State using the database of 2000-01, were completed by the department and draft report was presented to the State Level Groundwater Estimation Committee on 4<sup>th</sup>, July 2002 with the Principal Secretary, Irrigation and Command Area Development Department, Government of Andhra Pradesh in the Chair. After detailed discussions, the report was approved with some suggestions to strengthen the database and to take up investigation for verifying the recommended parameters with the field studies as detailed in Annexure-I.

## **2.0 GROUNDWATER ESTIMATION IN 1993**

The net groundwater availability per annum for the entire State was estimated to be 35292 MCM [1235 TMC], which is 14.4% of the total quantity of water received through the normal precipitation. From this 15%, i.e., 5294 MCM was earmarked for drinking and other committed uses leaving a balance of 29998 MCM for irrigation. The net annual groundwater draft for irrigation was 7092 MCM. The range of groundwater development for different districts was between 7 and 43% and for the State as a whole it was 25%. However, in 5 full mandals and 60 part mandals, the stage of development was more than 85% and such areas were declared as 'Dark'.

## **3.0 GROUNDWATER SCENARIO IN ANDHRA PRADESH**

### **3.1 Physiography**

Andhra Pradesh with a total geographical area of 2.75 lakh sq.km is the third largest State in the country and the population depends mainly on agriculture. Fifty three percent of the geographical area is cultivable. A sizable number of agriculturists depend on groundwater for their livelihood.

Physiographically Andhra Pradesh is divided into five regions.

- a) The Northern Plateau.
- b) The Eastern Ghats.
- c) The South-Central uplands.
- d) The Interior-Rugged plain and
- e) The coastal plain.

### **3.2 Soils**

Soils play an important role in the planning not only appropriate cropping pattern but also the artificial recharge structures. The soils in the State are broadly classified into Zonal, Azonal and Intra-Zonal types. Zonal soils are the most predominant in the State which are developed insitu and consist of red sandy, red loamy and laterite soils. Red sandy soils cover the largest area in the State (67%) and occur widely in Telangana and

Rayalaseema regions, but is highly restricted in its occurrence in Coastal Andhra. The Intra-zonal soils consists of deep black, medium black, mixed black and black soils. The azonal soils are soils brought by rivers or other agencies and deposited over the underlying rocks. They consist of deltaic alluvial soils, coastal alluvial soils, coastal sandy soils and skeletal soils. From the groundwater point of view, the texture and thickness of soil directly controls the infiltration rate and moisture holding capacity. Coarser soils have more infiltration capacity as compared to fine clayey soils.

### **3.3 Rainfall**

Rainfall is the principal source of input for groundwater recharge. The groundwater recharge is essentially governed by nature of rainfall like its quantity, intensity and frequency. The State receives about 66% of rainfall from south-west monsoon (June-September) and about 25% from north-east monsoon (October-December). The remaining 9% is received during winter and summer months. The normal rainfall in the districts ranges from the lowest of 553 mm. in Anantapur district to a maximum of 1218 mm. in East Godavari district. The average number of rainy days in Anantapur is 35 and at Kakinada it is 56. The normal annual rainfall of the State is 940 mm. Droughts in the State are not un-common. The analysis of rainfall during 1974-2001 indicates deficit rainfall in 18 years in some or other parts of the State. The trend analysis of the actual rainfall and five years moving average of rainfall received during 1974-2001 in the three regions of the State indicates a slight decreasing trend in Telangana region and slight increasing trend in Coastal Andhra and Rayalaseema regions. Every year, on an average, three districts of the State are likely to have deficit rainfall.

### **3.4 Drainage**

Three major perennial rivers viz., Godavari, Krishna and Pennar and several other minor rivers drain the State. The river Godavari with its tributaries Pranahita, Manjeera, Maneru, Indravati, Kinnerasani, Pamuleru

and Sileru drains through the northern parts of the State. The river Krishna with its tributaries Tungabhadra, Vedhavati, Hundri, Musi, Paleru and Munneru flows through the central parts of the State.

The river Pennar, the third biggest river, with its tributaries Chitravati, Papaghni, Cheyyeru and Pincha drains parts of Rayalaseema region. Vamshadhara, Nagavali, Sharada, Yeleru, Gundlakamma, Swarnamukhi and Paleru are some of the important rivers in the State, which have smaller catchments and drain into the sea.

Groundwater generally follows the topography i.e. the drainage basin coincides with the groundwater basin. Based on the river systems, the State is broadly divided into 81 river basins with extents varying between 90.65 sq.kms to 15699 sq.kms. As some of these are too big for groundwater studies, they are divided into sub-basins of the size 100 to 300 sq.kms as per GEC norms.

### **3.5 Geology**

The geology of Andhra Pradesh is quite complex. The State is underlain by rock types from Archean to recent ages with varied textures and structures. These rocks are intruded by dolerite dykes, Quartz reefs and veins, Feldspathic and pegmatite veins etc., at many places.

Nearly 85% of the State (i.e) about 2.332 lakh Sq.Kms, is underlain by hard rocks viz., Archeans, Precambrians, Cuddapahs, Kurnools and Deccan traps. The remaining 15% of the area (i.e) 41160 Sq.Km. is underlain by soft rocks viz., Gondwanas, Rajahmundry sandstone, Alluvium etc.

Hard rocks include igneous, volcanic and metamorphic rocks, whereas soft rocks are semi-consolidated or poorly consolidated sandstones, shales, river and coastal alluvium.



The geological succession of the State is as follows:

Geological formation	Period	Age (Million years)
Alluvium/Laterite	Quarternary	2 - 0
Rajahmundry Sandstone	Tertiary (Mio-pliocene)	25 - 2
Deccan Traps	Post - Cretaceous	70
Gondawana Sequence	Permain - Early Cretaceous	270 - 85
Kurnool/Bhima/Penganga super group	Late - Proterozoic	1100 - 600
Cuddapah/pakhal Super Group (Traps)	Middle-proterozoic	1700 - 1100
Alkaline rocks	-	1700
Low grade schists Charnokites	Early proterozoic	2350 - 2350
Khondalites/High grade schists		3000 - 2350
Granite/Gneiss	Archeans	3750 - 3000

### 3.6 Hydro-geological conditions

The occurrence and movement of groundwater depends on the geological setting, climate, rainfall, drainage, topography and extent of surface water bodies. For the purpose of discussion on groundwater conditions in the State, the crystalline rocks of Archaeans, Limestones, Quartzites and Shales of Pre-cambrian and massive Deccan Traps are grouped as hard rocks. Semi-consolidated sedimentary formations of Gondwands, Infra and Inter-trappeans, Rajahmundry Sandstones and the unconsolidated alluvium are grouped as soft rocks.

### 3.7 Hard rocks

These hard rocks locally attain appreciable secondary porosity by fracturing, weathering and solution. The fracture porosity is generally not uniform either laterally or with depth. It usually decreases with depth and appears to be negligible below 50 to 60 m. from ground level except in highly fractured or disturbed areas.

The Dharwar rocks occurring as narrow patches in Rayalaseema and Telangana regions of the State comprise schists, phyllite, amphibolites and epidiorites. The movement of groundwater in Dharwar rocks is mainly through joints, fractures, fissures etc. Open wells piercing the weathered zone range in yield from 25 to 125 m<sup>3</sup>/day depending on local topographic setting and degree of weathering and fracturing. The wells in these formations usually sustain pumping for 3 to 4 hours a day. By and large these rocks are not promising for large-scale development of groundwater.

The other prominent crystalline rocks comprise granites, gneisses, khondalites and charnockites. The dug wells in granites and gneisses generally range in depth from 4 m. to 20 m. with yields up to 68 to 227 m<sup>3</sup>/day. The yields from borewells of depth from 30 m. to 60 m. generally range between 1 lps. to 10 lps. The transmissivity of aquifers in granites is in the order of 10 to 290 m<sup>2</sup>/day. The open wells in khondalites yields 45 to 136 m<sup>3</sup>/day in winter months and 9 to 26 m<sup>3</sup>/day in summer months. The Khondalites and Charnokites chiefly occur in parts of Visakhapatnam, Srikakulam, Khammam, West Godavari and East Godavari districts. The borewells drilled down to 30 to 70 m. are found to yield 2.5 lps to 10.0 lps. and occasionally 14.0 lps. in highly fractured zones.

The occurrence and movement of groundwater in Cuddapah rocks is chiefly controlled by structural features as well as solution channels. Borewells constructed down to 100 m have recorded yields varying from 2 lps to 20 lps. The average yield from dug wells in Pakhals varies from 30 to 60 m<sup>3</sup>/day. In Kurnool group of rocks, groundwater movement is controlled by the bedding and cleavage planes in limestones and shales, intensity of jointing in quartzites and sandstones and solution channels and cavities in limestones. The open-wells in Nandyal shales yield 10 to 22 m<sup>3</sup>/day, in Auk shales from 12 to 36 m<sup>3</sup>/day and in Narji limestone from 22 to 77 m<sup>3</sup>/day. The yields of borewells in Kurnool Group vary from 0.5 to 15 lps. The Deccan traps are basically fissure flows, hard and compact and possess meagre porosity. Groundwater in traps occurs in weathered and fractured zones, vesicular zones and in the inter-trappean and intratrappean beds. The traps exposed in parts of Adilabad, Mahabubnagar, Medak, Nizamabad

and Rangareddy districts are vesicular in nature and are promising for groundwater development to a limited extent. The boreholes drilled down to 40 to 120 m. in these areas recorded yields ranging between 1.5 lps and 20 lps and the transmissivity of vesicular basalt varies from less than one  $\text{m}^2/\text{day}$  to about  $198 \text{ m}^2/\text{day}$ .

The laterites are compact and cemented and occur generally associated with crystalline rocks like traps, khondalites etc. Groundwater generally occurs under water table conditions and wells situated in laterites are usually deep ranging between 10 and 55 m. bgl. The yields of borewells drilled down to 30 to 54 m.bgl. range from 1.5 lps to 3.5 lps. The yields of open wells situated in the laterites, tapping the traps in Adilabad district vary from 18 to  $180 \text{ m}^3/\text{day}$ .

### **3.8 Soft rocks**

The semi-consolidated formations in the State are represented by the Gondwanas and Tertiaries, which occupy an area of 19,200 sq.km. The Gondwanas mainly occur in the Godavari valley and in isolated patches along the east coast in the districts of Prakasam, Guntur and Srikakulam. The lower Gondwanas comprise Talchirs, Barakars, Kamthi and Chinthalpudi Sandstones. The occurrence and movement of groundwater is complex in nature, but mainly controlled by structural features. Tube wells constructed in the Barakars have yielded 3.30 to 16.20 lps. for drawdowns ranging from 12 to 38 m. The transmissivity of the Barakar aquifers is of the order of 18 to  $84 \text{ m}^2/\text{day}$ . The open wells tapping these formations yield 20 to  $30 \text{ m}^3/\text{day}$

The Kamthi Sandstones beyond the depth of 250 m.bgl. are intercalated with shales and clays. Tube wells constructed within the 200 m. depth range in yield from 4 lps to 50 lps. for drawdowns of 9.0 to 30.0 m. Transmissivity of the aquifer varies between 28 and  $950 \text{ m}^3/\text{day}$ . The yield of tube wells in the Chinthalapudi Sandstones constructed down to 50 and 150 m.bgl. vary from 7.43 to 16.20 lps. and the transmissivity of the aquifer varies between 150 and  $303 \text{ m}^2/\text{day}$ . At places flowing conditions are observed in these formations.

The Upper Gondwanias consist of Gollapalli Sandstones, Raghavapuram shales, Tirupathi sandstones and Kota sandstones mixed with shales. Groundwater in Gollapally sandstones occurs under water table conditions in shallow zones and under confined conditions in deeper aquifers. Flowing conditions are also common in these formations, where they are overlain by other younger formations. The yields of the tube wells drilled down to about 600 m. vary from 8 lps to 60 lps. and the transmissivity is of the order of 80 to 900 m<sup>2</sup>/day.

The Tirupathi sandstones are highly porous and permeable constituting promising aquifers. The yield of the tubewells drilled down to 300 m. ranges from 9.72 to 40.55 lps. for a drawdown of 6 m. The transmissivity of the aquifer is of the order 86 to 1900 m<sup>2</sup> /day. The tertiaries are represented by the Rajahmundry Sandstones in East Godavari and West Godavari districts. The yields of tubewells tapping tertiary aquifers down to depths of 300 m. vary from 10 to 128 lps for drawdowns of 6 to 15 m. and transmissivity of the aquifer varies from 86 to 2500 m<sup>2</sup>/day indicating higher potentiality of the Tertiary aquifers.

The alluvium is confined mainly to the deltaic regions of principal rivers. The alluvial aquifers have high porosity and permeability and hence constitute promising aquifers. Filter points are most common in this formation. Filter points drilled down to 15 to 13 m.bgl. yield copious supplies of water. Even though in Krishna-Godavari delta the alluvium attains a thickness of more than a few hundreds of meters, the deeper aquifers are found to contain highly saline water. The filter points and cavity wells in the alluvium have recorded yields ranging from 4 to 15 lps. The static water level in these formations is in general shallow. The specific yields are found to be as high as 25% and the thickness of these alluvial aquifers varies widely from place to place.

Groundwater in the coastal alluvium occurs both under water table and confined conditions and is generally developed by means of dugwells, filter points and shallow tube wells. The depth to water table in dug wells varies from near surface to about 5 m.bgl. Usually the quality of water is the

main problem in coastal alluvium, Fresh water bodies occur as pockets and lenses in the top 20 m.bgl.

The **chemical quality** of groundwater is found to exhibit considerable variations from place to place and with respect to the geological environment, climate, drainage condition and pollution etc. The groundwater in khondalites, quartzites, granites etc. is in general neutral to alkaline and the chloride content ranges from 28 to 525 PPM. The quality of groundwater in Cuddapah and Kurnool formations is generally poor and TDS in some of these places exceeds 1000 PPM. The quality of groundwater from Gondwana formations is generally good except in some local patches. The groundwater from Gondwanas in parts of Karimnagar and Warangal is generally alkaline and in places excessively hard. The TDS of groundwater from trap rocks ranges from 200 to 300 PPM in upland areas and from 400 to 700 PPM in valley portions. Groundwater is often brackish to saline in black cotton soils associated with traps.

In Krishna and Godavari delta the quality of groundwater varies widely. The quality in the shallow zone is generally within potable limits, but deteriorates rapidly with depth.

Totally, 36 Mandals (East Godavari 6, West Godavari 17 and Krishna 13) are categorized as poor quality areas and estimated separately. The groundwater quality in general is found to be not suitable for irrigation practices in these areas. However, some localized poor groundwater quality areas, identified in Anathapur, Cuddaph, Kurnool, Nellore, Guntur and Visakhapatnam are not included in poor groundwater quality areas as groundwater is in use for irrigation.

### **3.9 Groundwater development**

During the last three decades, the well population has increased from 8 lakhs to 22 lakhs and area irrigated through groundwater from 10 lakh hectares to 26 lakh hectares resulting in increase of groundwater exploitation from 16% to 43%. Most of the development is taking place in non-command areas and in certain pockets; the stage of development has exceeded 100%. In command areas, which cover only 5% of the State's

geographical area, the stage of groundwater development is 16% as against 56% in Non-command areas. The available groundwater potential in command and non-command areas is in the ratio of 56:44. Thus, there is an urgency to augment groundwater in the Non-command upland areas of the State which occupy 85% of the State area.

### **3.10 Changing scenario in hard-rock hydro systems**

There is an increase in well density from <5 wells/sq.km. to >20 wells/sq.km in last two decades. Groundwater extraction structures have changed from dug wells to dug-cum-borewells to borewells and now to deep bore wells, as aquifers in weathered zone have gone dry. The range of yields of open wells have reduced from 60-150 cu.m/day to 20-40 cu.m/day and that of the bore wells from 2.5 lps - 10 lps to 0.8 lps - 2.5 lps.

### **3.11 Groundwater Level**

The periodic and long-term changes in groundwater regime are monitored through a network of observation wells, spread over the State. The water levels and the fluctuations noticed seasonally and annually are analysed in relation to the causative factors such as rainfall, recharge measures, drought and extraction of groundwater in the area.

The study of data generated from periodic monitoring of depth to water levels in the net work wells generally indicates deep water levels during the pre-monsoon period (May), a progressive rise in water levels during the monsoon period, shallowest levels during the post-monsoon period (November) followed by a progressive decline in water levels up to the on set of next monsoon.

The magnitude of groundwater level fluctuations depends on the natural rainfall infiltration, recharge through surface water bodies, storage in depressions on the surface and rivers/streams apart from draft (groundwater use) and outflows from reservoir. Continuous net declining trends are noticed in water levels in a series of drought years or closely spaced drought years in some parts of the State, especially in the drought prone districts. The trend analysis of groundwater levels between

1998-2001 indicates a net fall of 2.97 m. during 1998-99 drought year. In Chittoor and Cuddaph districts the development is so high, resulting in mining of groundwater from static reserves. There is always a tendency among the farmers to augment the well yields which have been reduced due to progressive decline in water levels consequent to drought or over-development in the area. The decline in water table thus involves an additional financial burden on the farmers by way of deepening the wells, shifting the pump setting etc.

### 3.12 Groundwater Monitoring Scenario

In order to monitor groundwater levels, a network of observation wells and Piezometers have been established in the State. The details are as follows.

1	Observation wells in non-command areas	1582
2	Observation wells in command areas	1404
3	Piezometers	1017
4	Piezometers with AWLRs	888
5	Additional Piezometers proposed for construction	148
6	Additional AWLRs proposed for installation	258
7	RWS Observation bore wells at Panchayat Level	21000

The CGWB is also monitoring the changes in groundwater through their own network of 1000 observation wells and 200 piezometer wells and the data is also being integrated and utilised with the State Ground Water Department's data.

## 4.0 FUTURE STRATEGY

The future strategy as contemplated in **VISION 2020 DOCUMENT** of the State is [a] to increase the rainfall infiltration to augment the available annual groundwater resource from the present 32000 MCM to 50000 MCM and [b] to increase the irrigated area in the State by encouraging to utilise the vast groundwater potential available in surface water commands through conjunctive use practices and to realise the estimated ultimate irrigation potential of 42.26 lakh hectares. The water conservation and recharge

techniques being taken up under the people's participatory programme called "NEERU-MEERU" meaning "Water and You" launched by Government of Andhra Pradesh in April, 2000 will have a significant impact in augmenting the annual availability of the groundwater resources in the State. Further the 'LAND, WATER AND TREES ACT 2002' enacted recently will help to regulate groundwater over-draft, pollution and quality impairment.

## **5.0 ESTIMATION OF GROUNDWATER POTENTIAL AS PER GEC - 1997 METHODOLOGY**

The State of Andhra Pradesh is divided into 1193 assessment units which includes basins with defined hydrological boundaries in hard rock areas of extent ranging between 50 to 450 sq.km. and mandals in Alluvial areas including 36 Saline mandals. Procedures for collecting and validating the data and simple software for estimating the following components were developed through extensive discussions in the three State level GEC committee meetings and eight Technical group meetings held during 1999-2001.

1. Recharge
  - a) Recharge from Rainfall
  - b) Recharge from canals
  - c) Return flow from applied water for irrigation from Surface water
  - d) Return flow from applied water for irrigation from Groundwater
  - e) Recharge from surface water bodies like Tanks, Ponds etc.
  - f) Recharge from artificial recharge structures like Percolation Tanks  
Check Dams, Nalla bunds etc.
2. Current gross groundwater draft
3. Groundwater allocation for domestic and industrial use
4. Water table trend
5. Current stage of groundwater development
6. Net annual groundwater availability for future use.
7. Categorisation for further groundwater development.



### 5.1 Data collection and data base constraints

The computations of groundwater draft and recharge are dependant on village level statistical information collected from various sources which include irrigation and drinking water well population and energisation information collected from Mandal Revenue Officer, A.P.Transco, Chief Planning Officer, Panchayat Raj Department; Rainfall data collected from Mandal Revenue Officer, India Meteorological Department and Chief Planning Officer. Surface water canal and distributaries details which includes length, type of canal, days of canal operation, wetted area etc., collected from Irrigation Department, groundwater and surface water irrigated area with cropping pattern collected from Irrigation Department, Mandal Revenue Officer and Agriculture Department; Number of Tanks and ponds with details of water spread area, days of water available etc., collected from Irrigation and Command Area Development Department, Panchayat Raj Department and derived from Toposheets, details of recharge structures which include storage volume, number of fillings etc., collected from Irrigation, Panchayat Raj Department Rural Development, Forest and other departments. The inaccuracies in the database available, particularly in the well census data is validated to some extent through field checks, comparing with A.P.Transco figures, and comparing draft with the groundwater irrigated area etc. Similarly the excess recharge obtained in command areas due to using high values of designed canal discharges, high return flows etc., is corrected by restricting the total recharge to 500 mm. in command areas, except in few assessment units where they are marginally higher than 500 mm. In some cases the draft was also found to be higher than 500 mm in such situations no corrections were made to the total recharge, such units need to micro-level studies before applying the restriction to the total recharge. In the earlier assessments where the non-command and command areas were clubbed together for estimation, the excessive recharge in command portions was not quite apparent. Further, the rainfall infiltration factor adopted for shales of Cuddapah and Kurnool rocks is between 5 to 7 percent as against 9% adopted in earlier estimates. In assessment units occupied by fresh and unaltered massive rocks the

rainfall infiltration factor adopted is as low as 2 percent as against 9 percent adopted earlier. These factors have contributed to reduction in net annual ground water availability, which is now estimated as 32, 202 MCM (1640 MCM in saline areas and 30,562 MCM in other areas) as against 35,282 MCM in earlier estimate.

## 5.2 Results of estimates

Computations of net groundwater availability, its utilisation and availability for future use in all the assessment units for command, non command and poor groundwater quality areas have been made separately duly following the methodology recommended by the Groundwater Estimation Committee, 1997. The District wise details are presented in the Statements.

The total net annual groundwater availability, current annual groundwater draft, demand and allocation for Domestic and Industrial needs and availability for future Irrigation in command, non command and poor groundwater quality areas for the State as a whole are given hereunder:

Sl. No	Description	Com-mand	Non-com-mand	Poor ground water quality area	Total
1	Area considered for recharge in Sq.Kms.	35087	191595	4724	231406
2	Net annual groundwater availability in MCM (TMC)	11250 (397)	19313 (682)	1640 (58)	32203 (1137)
3	Current gross annual groundwater draft for all uses in MCM (TMC)	1749 (62)	11223 (396)	29 (1)	13001 (459)
4	Annual groundwater availability for future use MCM[TMC]	9501 [336]	8089 [286]	0	17590 [622]
5	Current gross annual groundwater draft for irrigation in MCM (TMC)	1507 (53)	10414 (368)	12 (0.42)	11921 (421)
6	Current draft for domestic and industrial needs in MCM (TMC)	242 [9]	809 [29]	0	1052 [38]
7	Demand for domestic and industrial needs at year	591 (21)	1981 (70)	0	2572 (91)

2025 in MCM (TMC)					
8	Net annual groundwater availability for future irrigation in MCM (TMC)	9152 (323)	6918 (244)	0	16070 (567)
9	Stage of development (%)	16	58		40

It is generally observed that extensive groundwater recharge takes place in the command areas of surface water projects including Minor Irrigation tanks. However, the groundwater development in such tracts is

insignificant in the absence of a perspective plan for scientific conjunctive utilisation of surface water with groundwater, supported by adequate incentives to the farmers. Accordingly, it is observed that most of the groundwater development is confined to the non-ayacut areas. Thus, most of the balance groundwater potential is available in limited areas of the surface water project commands including minor irrigation tank commands.

The net groundwater availability for future irrigation in command areas occupying 35,087 square kilometre is in the order of 9,152 MCM and in non-command areas of 1,91,595 square kilometres, the availability is in the order of only 6,918 MCM. With the groundwater available in non-command area, 7,05,506 additional wells can be constructed which can irrigate an additional area of 10,85,068 hectares of Irrigated Dry crops. With the balance groundwater available in command areas, there is a feasibility for 9,90,866 wells. However, in view of the low demand for ground water in these areas only 2,71,658 wells are considered feasible for development which can irrigate 4,17,810 hectares.

In the above estimates, only the dynamic groundwater resource has been considered. This is justifiable in view of the fact that in the major part of the State, the deeper aquifers are generally inter-connected with the phreatic aquifers. The coastal alluvial fresh water aquifers are invariably shallow and are under water table conditions. In hard rock areas of the State, the fractured and fissured zones exhibit semi-confined conditions, but these zones are inter-connected with the weathered unconfined zones and derive their water from overlying weathered rock only.

In some of the alluvial and other sedimentary aquifers of West Godavari, East Godavari, Warangal and Khammam districts, the quantity of storage is many times the annual recharge and hence the abstraction from these aquifers can exceed the annual recharge during a series of dry years without affecting seriously the sustainability of the wells.

### 5.3 Categorisation of assessment units of Command and Non-Command areas

The sub-units of command and non-command areas in each groundwater assessment unit are categorised as (a) Safe (b) Semi critical c) Critical and (d) Over Exploited, for the purpose of establishing the scope for future groundwater development and for taking suitable regulatory and management measures. The categorisation is arrived at by considering both the stage of groundwater exploitation and the long-term trend of water table using the following criteria.

a)	<b>Safe :</b> Stage of groundwater development is less than or equal to 70%. Water levels do not show long term falling trend.
b)	<b>Semi critical :</b> Stage of groundwater development is greater than 70% but less than or equal to 90% and the water table showing long term declining trend in either monsoon or pre-monsoon season. Caution is to be exercised for future groundwater development in this category of basins
c)	<b>Critical:</b> Stage of groundwater development is more than 90% and the water table showing long term declining trend in any one of the two seasons. Stage development less than 100% or equal to 100% and water table showing declining trend in both the seasons. In this category of basins have little scope for future groundwater development.
d)	<b>Over exploited:</b> Stage of groundwater development is more than 100% and water table showing long term declining trend in both the seasons. In this category of basins there is practically no scope for future groundwater development.

The stage of development in the sub-units of command areas of most of the basins is observed to be low and the average for the State is 16%. The stage of development in sub-units of non-command areas of most of the basins is observed to be high with an average of 56% for the State. As per the estimation, out of 1069 assessment units having non-command areas 118 units are overexploited, 79 units are critical, 187 units are semi-critical and 685 units are safe. However, in 399 assessment units having command area, only one sub unit is overdeveloped, 5 are semi-critical and the remaining 393 are safe. The details of areas occupied by different categories of groundwater basins is furnished below:

Category	Number of basins	Area in sq.km	Percent to total area
Over-exploited	118	20848	9
Critical	79	13569	6
Semi-critical	188	34732	15
Safe	772	157533	70
Total	1157	226682	

For the purpose of management and regulatory measures, the State is grouped into 5 categories viz., Category I, II, III, IV and V, based on the present groundwater estimation, trends of groundwater levels and the DTWL at the end of a water year, the main component being the stage of groundwater development. Thus, category I, II and III coincide with over exploited, critical and semi-critical areas as classified in the latest groundwater estimation.

## **6.0 MICRO LEVEL STUDIES IN CRITICAL AND OVER EXPLOITED AREAS**

It is necessary to carry out micro level studies in those sub-units of command and non-command areas, which are categorised as 'Over Exploited and Critical'. The estimation of the resource this time is made at sufficiently small units with input and output information at village level. Using the village level information, the villages with higher groundwater draft than the net availability are identified and demarcated as over exploited micro basins with first approximation from the Over Exploited Basins. However, these

areas require detailed studies to verify the input data, assessment results in relation to the actual field conditions and to suggest appropriate resource augmentation and management measures for sustainability. Accordingly, it is proposed to take up detailed micro level studies in all the 118 over exploited basins in the first instance, which will be further sub-divided into 520 micro basins of extent ranging between 30 to 60 sq.kms. Subsequently, all the critical basins will also be covered by detailed micro level studies.

## **7.0 SUM UP**

The Estimates indicate availability of large quantum of unutilised groundwater potential in surface water commands and detailed feasibility studies need to be taken up for developing the available resource in ayacut areas. Broadly, it is estimated 9,77,164 additional wells are feasible in the State which can irrigate 15,02,878 hectares of irrigated dry crops, after accounting for domestic and industrial uses and also keeping in view of the constraints of developing the total available resource in command areas. Even for achieving this potential, conjunctive utilization of surface and groundwater resources are to be planned in a large scale.

Although it is generally known that the groundwater irrigation is less expensive when compared to the surface water irrigation, a farmer utilizing the facility of flow irrigation gets water at a highly subsidised rate. Groundwater irrigation also needs to be heavily subsidised if the national objective of harnessing the entire groundwater resource in the State is to be achieved.

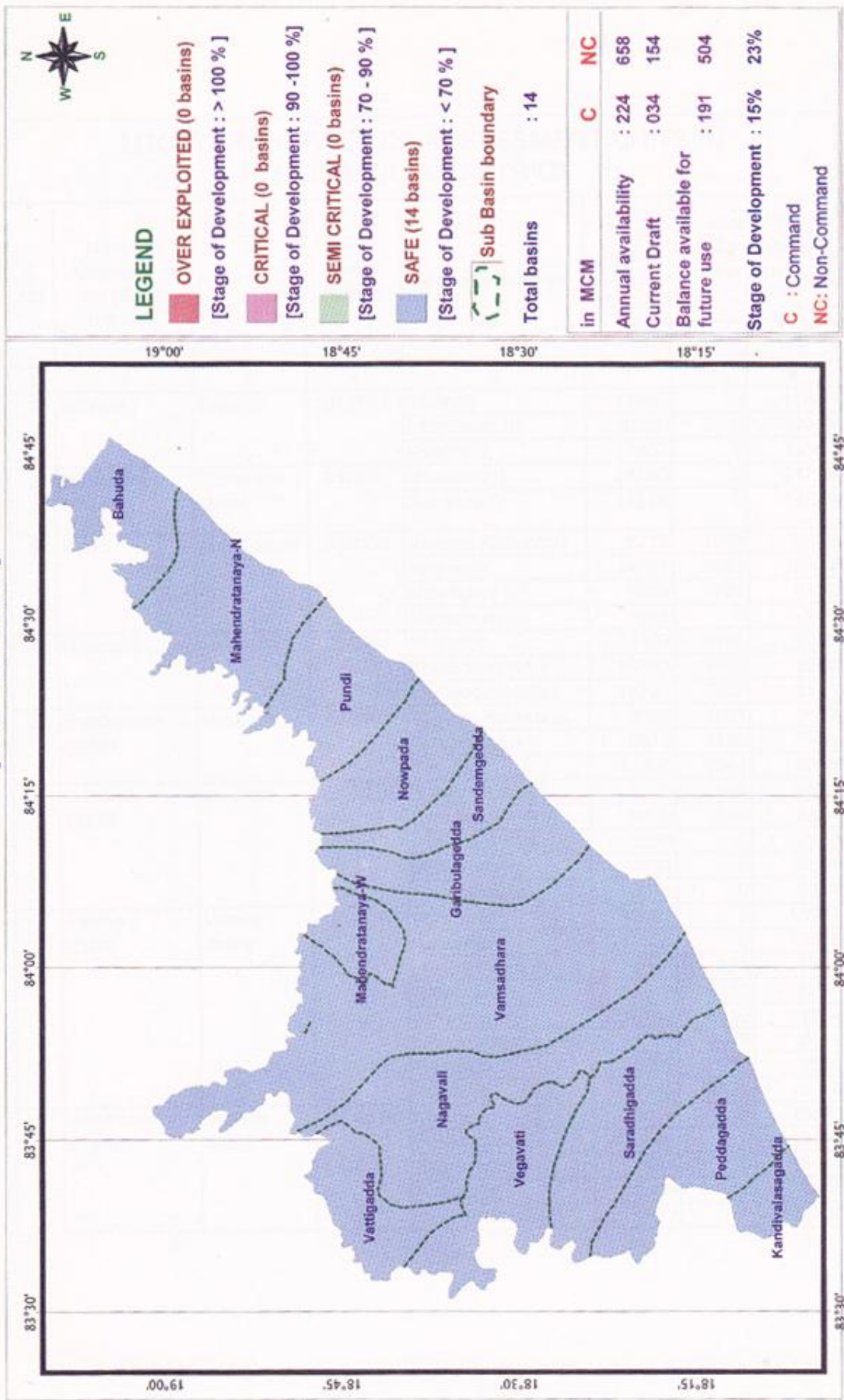
The estimates indicate 118 basins as over-exploited covering an area of 20,848 square kilometres (9 percent of the area considered for recharge) and another 79 basins of total extent 13,569 square kilometre (6 percent of the area considered for recharge) are critical which require highest priority for augmentation measures through Neeru-Meeru and other watershed programmes followed by 188 semi-critical basins of total extent 34,732 square kilometres (15 percent of the area considered for recharge).

The development of groundwater is not uniform throughout the groundwater basins. The village level estimates indicate that there are micro-basins of very high draft and relatively low draft even in the over-

exploited basins. Exploitation of groundwater may be restricted in such villages of overexploited basins in the first instance, where the draft far exceeds the annual recharge.

However, these areas require detailed studies to verify the data and results of data in relation to actual field conditions. Accordingly it is proposed to take up detailed micro-level studies in all the Over-exploited basins followed by critical basins.

# STATUS OF GROUNDWATER DEVELOPMENT- SRIKAKULAM DISTRICT [ SUB - BASIN WISE ]







**LOCATION DETAILS OF ASSESSMENT UNITS IN  
SRIKAKULAM DISTRICT**

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the Mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Bahuda	Bahuda	010101	Kavity(f)	11807	0	11807
				Ichapuram (f)	10390	0	10390
				Kanchili(f)	11967	0	11967
2	Mahendra tanya	Mahendra tanya	010202	Mandasa(f)	24785	0	24710
				Sompeta(f)	14279	0	14279
3	Pundi	pundi-basin	010303	Vajrapu-Kotturu(p)	5218	1539	3679
				Palasa(f)	14791	2443	12348
				Nandigam (p)	6269	1781	4488
				Meliyaputty(p)	2958	0	2958
4	Naupada	Naupada	010404	Polaki(p)	10199	6166	4033
				Kotabommali(p)	10883	8303	2580
				Santabommali(p)	12731	7582	5149
5	Sandemma gedda	Naupada	010405	Vajrapu-Kotturu(p)	8558	1001	7557
				Nandigam(p)	9513	2180	7333
				Tekkali(f)	11900	3564	8336
6	Garibula gedda	naupada	01 04 06	Kotabommali(p)	7126	546	6580
				Santabommali(p)	9700	3866	5834
				Patapatnam(p)	2599	0	2599
				Meliyaputty(p)	4591	0	4591
				Saravakota(p)	3371	0	3371
7	Vamsa dhara	Vamsa dhara	01 05 07	Bhamini(f)	13927	0	13927
				Kotturu(p)	13535	0	13535
				Hiramandalam(p)	8061	878	7183
				Sarubujili(f)	15549	9750	5799
				Jalumuru(f)	14145	6510	7634
				Narasannapeta(f)	11781	6670	5111
				Gara(p)	10589	7934	2655
Polaki(p)	7946	4120	0				
8	Westmahendra tanya	Vamsa dhara	01 05 08	Meliyaputty(p)	15096	0	15096
				Patapatnam(p)	13174	0	13174
				Saravakota(p)	15154	0	15154
				Kotturu(p)	3645	0	3645
				Hiramandalam(p)	4433	0	4433

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Nunber	Mandals covered	Total Area of the Mandal ha	Area of the mandal covered in the basin ha	
						C	NC
9	Nagavali	nagavalli	01 06 09	Boorja(f)	11047	1387	9660
				Amadavalasa(f)	11463	3601	7862
10	Votty gedda	nagavali	01 06 10	Veeraghattam(f)	13595	0	13595
				Seetampeta(f)	17110	0	17110
				Palakonda(f)	11960	336	11624
11	Vegavatai	nagavali	01 06 11	Vangara(f)	12013	4489	7524
				Regidi(f)	15977	0	15977
				Rajam(f)	12903	0	12903
				Santakavity(f)	14424	0	14424
12	Saradhi gedda	nagavali	01 06 12	Ponduru(p)	12274	0	12274
				Etcherla(p)	17235	853	12764
				Srikakulam(f)	16149	7717	8432
				Gara(p)	5090	3771	1319
				G.Sigadam(p)	13634	0	13634
13	Pedda gedda	peddagedda basin	01 07 13	G.Sigadam(p)	3905	0	3905
				Laveru(f)	16189	0	16189
				Ranastalam(p)	13690	0	13690
				Etcherla(p)	2708	0	2708
				Ponduru(p)	1080	0	1080
14	Kandivalasa	kandivalasa	01 08 14	Ranastalam(p)	8331	0	8331

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
SRIKAKULAM DISTRICT**

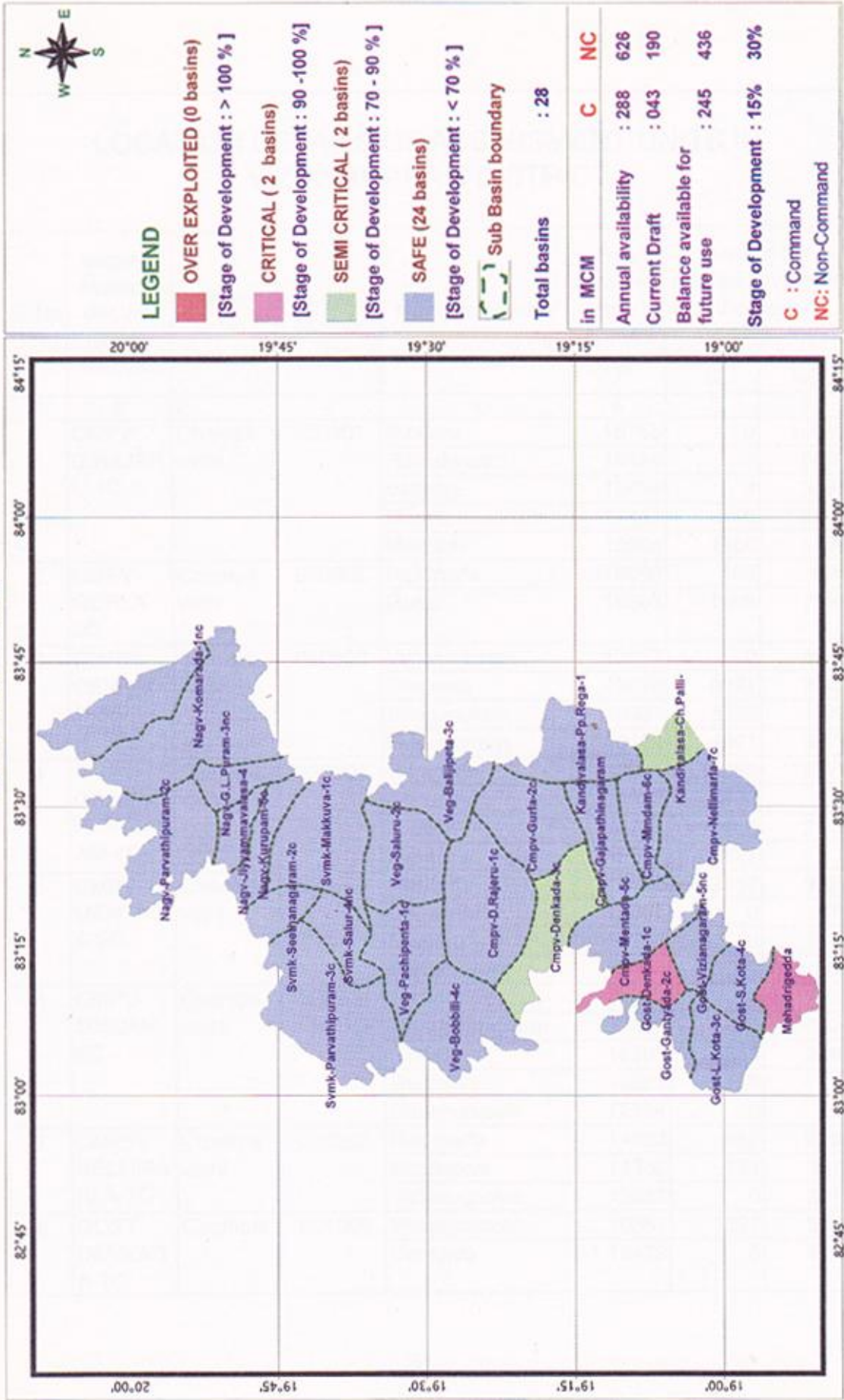
S. No	Name of the Basin	Area considered for recharge ha			Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual Groundwater availability for future Use ha.m			Current annual draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and Industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categorisation							
		C	NC	4	C	NC	6	C	NC	8	C	NC	10	C	NC	12	C	NC	14	C	NC	16	C	NC	17	C	NC	19	C	NC	21	C	NC	22		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22															
1	Bahuda	0	34164	0	4624	0	536	0	4087	0	279	0	257	0	588	0	3757	NA	12	NA	12	NA	12	NA	12	NA	12	NA	12	NA	12	NA	12	NA	12	Safe
2	Mahendrantanya	0	38989	0	7562	0	511	0	7051	0	310	0	201	0	421	0	6831	NA	7	NA	7	NA	7	NA	7	NA	7	NA	7	NA	7	NA	7	NA	7	Safe
3	Pundi	5763	23483	1811	1424	154	549	1657	875	118	391	36	158	43	189	1650	844	8	39	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	
4	Naupada	11762	8156	1722	1097	560	275	1162	823	466	255	94	19	236	84	1020	758	33	25	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	
5	Sandemmagadda	6745	22108	3366	3078	320	636	3046	2441	243	531	77	106	146	467	2977	2080	10	21	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	
6	Garbulagadda	4412	22932	2066	2326	276	1252	1791	1074	225	1151	50	101	145	271	1696	904	13	54	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	
7	Vamsachara	35763	55844	9027	8340	1385	1108	7642	7232	1173	864	213	245	653	1026	7202	6451	15	13	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	
8	Westmahendrantanya	0	50938	0	8020	0	1343	0	6676	0	1040	0	303	0	974	0	6005	NA	17	NA	17	NA	17	NA	17	NA	17	NA	17	NA	17	NA	17	NA	17	Safe
9	Nagavali	4988	17522	908	1547	149	366	758	1181	84	257	66	109	79	584	745	706	16	24	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
10	Vothygedda	336	41670	108	5882	15	836	93	5046	15	505	0	331	99	823	0	4554	14	14	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
11	Veavatay	4489	50706	553	9005	55	3034	498	5971	46	2692	9	343	101	917	407	5396	10	34	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
12	Saradhigadda	12341	48423	2855	6211	441	2101	2414	4110	314	1812	127	289	264	1592	2277	2807	15	34	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
13	Peddagadda	0	37572	0	4966	0	2219	0	2747	0	1992	0	227	0	361	0	2614	NA	45	NA	45	NA	45	NA	45	NA	45	NA	45	NA	45	NA	45	NA	45	Safe
14	Kandivalasa gedda	0	8331	0	1751	0	654	0	1097	0	622	0	32	0	77	0	1052	NA	37	NA	37	NA	37	NA	37	NA	37	NA	37	NA	37	NA	37	NA	37	Safe
	District total	86599	460837	22417	65833	3355	15421	19062	50412	2684	12700	671	2721	1766	8375	17967	44758	15	23	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Total [ C+NC ]	547436		88250		18775		69475		15384		3391		10141		62725					
	ABSTRACT	OE = 0		Critical = 0		SC = 0		Safe = 14		Total Assessment Units = 14											

Note: OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT - VIZIANAGARAM DISTRICT

[ SUB - BASIN WISE ]





**LOCATION DETAILS OF ASSESSMENT UNITS IN  
VIZIANAGARAM DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	CMPV-D.RAJER U-1C	Champa vathi	020901	D.rajeru	16755	0	12999
				Ramabhadra	15490	0	6683
				badangi	12494	0	3491
				Merakamudidam	17461	0	2874
				Mentada	15608	1168	276
2	CMPV-GURLA-2C	Champa vathi	020902	Nellimarla	14083	569	604
				Gurla	16365	1608	7894
3	CMPV-DENKAD A-3C	Champa vathi	020903	Vizianagaram	13657	0	4918
				Denkada	12478	4971	3149
				Bhogapuram	10337	3978	1076
				Pusapatirega	16194	4501	3378
4	CMPV-GAJAPAT HINAGAR AM-4C	Champa vathi	020904	Gajapathi	12081	4893	6379
				Bondapalli	14332	3888	825
				D.rajeru	16755	0	2315
				Mentada	15608	1687	0
5	CMPV-MENTAD A-5C	Champa vathi	020905	Mentada	15608	2857	9620
				Gajapathi	12081	0	516
				D.rajeru	16755	0	1441
				Ramabhadra	15490	0	600
6	CMPV-MMDAM-6C	Champa vathi	020906	Garividi	14697	0	7953
				Merakamudidam	17461	0	10727
				Gurla	16365	3348	2591
				Gajapathi	12081	176	117
				Cheepurupalli	12784	0	474
7	CMPV-NELLIMARLA-7C	Champa vathi	020907	Nellimarla	14083	868	6998
				Bondapalli	14342	131	3510
				Vizianagaram	13657	0	2218
8	GOST-DENKAD A-1C	Gosthani	021008	Bhogapuram	10337	1327	3956
				Denkada	12478	0	4358



S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
9	GOST-GANTYADA-2C	Gosthani	021009	Gantyada	17003	2342	6556
				Jami	13049	403	3616
				Bondapalli	14332	0	4981
10	GOST-L.KOTA-3C	Gosthani	021010	Vepada	13435	0	10195
				L.kota	12106	0	10298
				Jami	13049	3640	2100
				S.kota	22200	536	201
11	GOST-S.KOTA-4C	Gosthani	021011	S.kota	22200	1094	8277
				Vepada	13435	0	3240
				L.kota	12106	0	643
				Gantyada	17003	1953	1388
12	GOST-VIZIANAGARAM-5NC	Gosthani	021012	Vizianagaram	13657	0	6521
				Gantyada	17003	0	4764
				Jami	13049	0	2070
				Kothavalasa	15525	0	2711
				Bondapalli	14332	0	997
				L.kota	12106	0	1165
13	KANDIVALASA-PP.REGA-1NC	Kandivalasa gedda	020813	Pusapatirega	16194	0	8315
14	KANDIVALASA-CH.PALLI-2C	Kandivalasa gedda	020814	Garividi	14697	0	6744
				Nellimarla	14083	374	4670
				Gurla	16365	0	924
				Cheepurupalli	12784	0	12310
15	NAGV-KOMARADA-1NC	Nagavalli	020615	Komarada	20800	0	12889
				G.l.puram	40100	0	10502
16	NAGV-PARVATHIPURAM-2C	Nagavalli	020616	Parvathipuram	21435	543	7078
				Komarada	20800	652	6963
				Jiyammavalasa	14889	1052	874
				Garugubilli	13841	317	1119
				Kurupam	44200	1045	978
17	NAGV-G.L.PURAM-3NC	Nagavalli	020617	G.l.puram	40100	0	20589
				Kurupam	44200	0	7488
				Komarada	20800	0	296

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
18	NAGV-JIYYAMM AVALASA 4C	Nagavalli	020618	Jiyyammavalasa	14889	9387	915
				Balijipeta	17700	1909	0
				Garugubilli	13841	4983	732
19	NAGV-KURUPA M-5C	Nagavalli	020619	Kurupam	44200	0	16584
				Jiyyammavalasa	14889	346	2315
20	SVMK-Makkuva-1C	Suvarnamukhi	020620	Makkuva	17374	0	6241
				Salur	23807	0	4177
				Pachipenta	30900	0	3816
				Seethanagaram	15308	1175	0
				Bobbili	21400	0	247
21	SVMK-Seethanagaram-2C	Suvarnamukhi	020621	Bobbili	21400	0	2046
				Balijipeta	17700	319	455
				Garugubilli	13841	0	3867
				Seethanagaram	15308	1638	11585
				Parvathipuram	21435	0	1679
22	SVMK-Parvathipuram-3C	Suvarnamukhi	020622	Parvathipuram	21435	5141	6994
				Makkuva	17374	0	4127
				Garugubilli	13841	0	2823
				Balijipeta	17700	1972	1931
23	SVMK-Salur-4NC	Suvarnamukhi	020623	Salur	39600	0	9889
				Makkuva	17374	0	7006
24	VEG-PACHIPE NTA-1C	Vega vathi	020624	Pachipenta	30900	2068	17594
25	VEG-SALURU-2C	Vega vathi	020625	Salur	39600	3128	6613
				Ramabhadra	15490	1570	3698
				Pachipenta	30900	3823	3599
				Bobbili	21400	633	291
26	VEG-BALIJIPE TA-3C	Vega vathi	020626	Balijipeta	17700	3564	6806
				Therlam	16840	0	13893
				Merakamudidam	17461	0	3860
				Ramabhadra	15490	0	1085
				Badangi	12494	0	380
				Bobbili	21400	0	230

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
27	VEG-BOBBILI-4C	Vega vathi	020627	Bobbili	21400	6998	10955
				Seethanagaram	15308	0	910
				Therlam	16840	1223	1724
				Ramabhadra	15490	588	1266
				Balijipeta	17700	0	744
				Badangi	12494	4858	3765
28	Mehadri gedda	Mehadri gedda	020628	Kothavalasa	15525	0	8353

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
VIZIANAGARAM DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Cmpv-D.Rajenu-1c	1168	25147	584	2646	51	1459	533	1187	41	1301	10	157	19	484	524	861	9	55	Safe	Safe
2	Cmpv-Gurfa-2c	2177	8439	293	825	111	454	182	371	91	360	20	94	22	196	180	269	38	55	Safe	Safe
3	Cmpv-Denkada-3c	13010	12336	3005	1279	822	999	2183	280	697	855	124	143	135	252	2172	171	27	78	Safe	SC
4	Cmpv-Gajapathi nagaram-4c	10255	9324	3003	1208	390	454	2613	754	277	368	113	85	134	250	2592	589	13	38	Safe	Safe
5	Cmpv-Mentada-5c	2857	12177	1429	1166	150	381	1278	785	121	266	29	95	34	203	1273	678	11	33	Safe	Safe
6	Cmpv-Mmdam-6c	2573	17922	348	1886	176	1215	173	672	145	1053	31	162	35	544	168	289	50	64	Safe	Safe
7	Cmpv-Neelimala-7c	999	12726	500	1263	40	644	459	619	30	499	11	145	51	205	419	559	8	51	Safe	Safe
8	Gost-Denkada-1c	1327	8058	664	879	183	843	480	36	168	741	16	102	17	137	479	1	28	96	Safe	Critical
9	Gost-Gantiyada 2c	2745	15058	1373	1506	59	614	1313	892	38	481	21	133	38	338	1296	688	4	41	Safe	Safe
10	Gost-L.Kota-3c	4176	22794	499	2306	136	769	364	1537	114	584	21	184	44	554	341	1168	27	33	Safe	Safe
11	Gost-S.Kota-4c	4242	13135	2121	1343	348	532	1773	811	308	447	40	85	61	374	1752	521	16	40	Safe	Safe
12	Gost-Vizianagaram-	0	18228	0	1902	0	664	0	1238	0	523	0	141	0	926	0	452	NA	35	NA	Safe

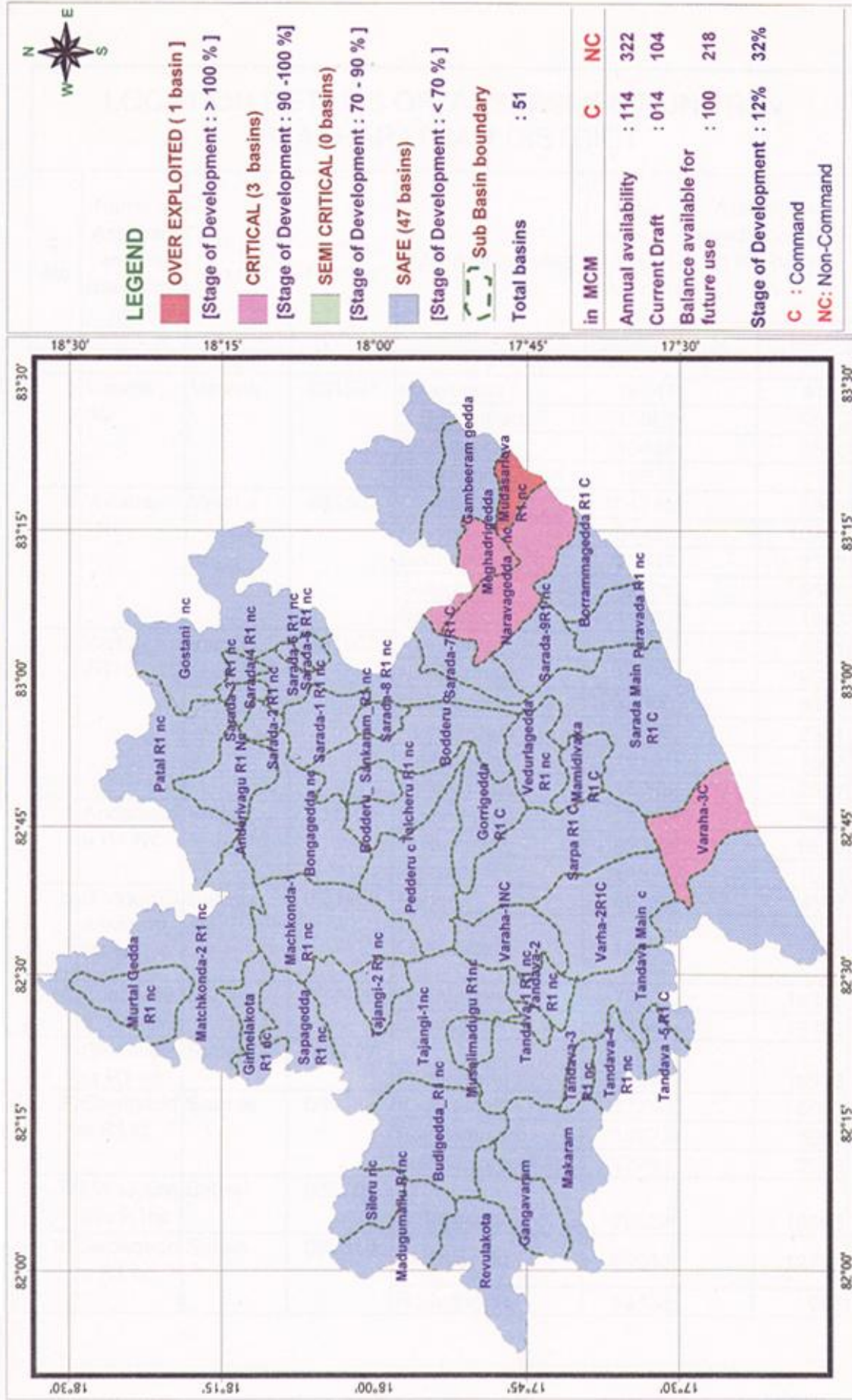
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
13	Kandivalasa-Pp Rega-1nc	0	8277	0	1120	0	742	0	379	0	687	0	55	0	73	0	361	NA	66	NA	Safe
14	Kandivalasa-Ch.Palli-2c	374	24224	126	2709	24	2364	102	345	18	2116	6	249	7	403	101	190	19	87	Safe	SC
15	Nagv-Komarada-1nc	0	23391	0	3158	0	131	0	3027	0	66	0	65	0	119	0	2973	NA	4	NA	Safe
16	Nagv-Parvathi puram-2c	3609	17012	1691	7611	79	434	1612	7177	22	275	57	159	68	610	1601	6727	5	6	Safe	Safe
17	Nagv-G.L.Puram 3nc	0	28373	0	8982	0	139	0	8843	0	45	0	94	0	101	0	8835	NA	2	NA	Safe
18	Nagv-Jiyamma valasa-4c	16279	1647	5302	551	613	107	4690	444	476	90	136	17	190	44	4636	417	12	19	Safe	Safe
19	Nagv-Kurupam 5c	346	18899	125	2505	12	129	113	2376	5	11	7	118	8	407	112	2088	10	5	Safe	Safe
20	Svmk-Makkuva-1c	1175	14101	588	1419	32	268	555	1151	26	187	6	81	13	174	548	1057	5	19	Safe	Safe
21	Svmk-Seetha nagaram-2c	1772	19270	773	2332	76	615	698	1717	63	458	12	157	24	438	686	1437	10	26	Safe	Safe
22	Svmk-Parvathi puram-3c	7073	15855	2479	1726	112	398	2368	1328	64	283	48	115	54	255	2361	1188	5	23	Safe	Safe
23	Svmk-Salur-4nc	0	13631	0	1688	0	183	0	1505	0	142	0	42	0	68	0	1478	NA	11	NA	Safe
24	Veg-Pachipenta-1c	2068	17594	285	1681	31	234	254	1447	28	160	4	74	4	160	253	1361	11	14	Safe	Safe
25	Veg-Saturu-2c	9130	14191	1030	1377	259	335	771	1041	214	219	45	116	247	188	569	959	25	24	Safe	Safe
26	Veg-Balijipeta-3c	3554	25690	561	3645	120	1121	441	2524	81	968	39	153	51	528	428	2149	21	31	Safe	Safe
27	Veg-Bobbili-4c	13620	19137	2000	3184	453	2071	1547	1113	345	1911	108	160	151	693	1504	580	23	65	Safe	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
28	Mehadrigedda	0	7751	0	738	0	707	0	31	0	356	0	351	0	421	0	0	NA	96	NA	Critical	
	District Total	104528	444387	28779	62634	4277	19006	24502	43628	3374	15472	903	3534	1410	9146	23996	38016	15	30	Safe	Safe	
	Total C & NC	548915		91413		23283		68130		18846		4437		10556		62011						
	Abstract	OE = 0		Critical = 2		SC = 2		Safe = 24		Total = 28												

Note:- OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command area and NA = Not applicable; Note: OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)



# STATUS OF GROUNDWATER DEVELOPMENT - VISAKHAPATNAM DISTRICT [ SUB - BASIN WISE ]







LOCATION DETAILS OF ASSESSMENT UNITS IN VISAKHAPATNAM DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	8	6	7
1	Varaha-3C	Varaha	031501	kotavuratla	18141		4168
				S.Rayavaram	15068		9672
				Elamanchili	10458		3896
				Nakkapalli	19858		181
2	Varaha-1NC	Varaha	031502	Chintapalle	104746		4369
				Koyyuru	64427		10794
				Rolugunta	13547		3103
				Golugonda	32300		5566
				Narsipatnam	11187		1543
3	Varaha-2R1C	Varaha	031503	Rolugunta	13547		1581
				Narsipatnam	11187		9644
				Golugonda	32300		6649
				Nathavaram	26506		2361
				kotavuratla	18141		7507
				Makavarapalem	16068		2557
4	Anderivagu R1 Nc	Sabari	031504	Dumbriguda	26684		5661
				Hukumpeta	62300		8516
				Anakapalli	18374		1639
5	BodderuSankaram_R1 nc	Sarada	031405	Paderu	48425		4897
				Cheedikada	12563		871
6	Budigedda_R1 nc	Sabari	032706	G.K.Veedhi	78627		18976
				Chintapalle	104746		19781
7	Ginnelakota R1 nc	Sabari	032707	Pedabayalu	50943		18918
8	Gorrigedda R1 C	Sarada	031438	V.Madugula	17760		6589
				Ravikamatam	19873		5845
				Butchayyapeta	17741		2508
9	Madugumallu R1nc	Sabari	032709	G.K.Veedhi	78627		18598
10	Sapagedda R1 nc	Sabari	032010	Pedabayalu	50943		12794
				G.Madugula	54432		858

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
11	Murtal Gedda R1 nc	Sabari	032711	Munchingputtu	56100		16131
12	Musalima dugu R1nc	Sabari	032712	Chintapalle	104746		9407
13	Sarada-1 R1 nc	Sarada	031413	Hukumpeta	62300		7027
				Anantagiri	49597		3760
14	Sarada-2 R1 nc	Sarada	031414	Hukumpeta	62300		9437
15	Sarada-3 R1 nc	Sarada	031415	Anantagiri	49597		3623
16	Sarada-4 R1 nc	Sarada	031416	Anantagiri	49597		3348
17	Sarada-5 R1 nc	Sarada	031417	Anantagiri	49597		1450
18	Sarada-6 R1 nc	Sarada	031418	Anantagiri	49597		2700
19	Sarada-7R1 C	Sarada	031419	Anakapalli	18374		1773
				Chodavaram	13992		4172
				K.Kotapadu	17294		8918
				Devarapalli	14952		350
20	Sarada-8 R1 nc	Sarada	031420	Devarapalli	14952		4649
21	Sarada-9R1 nc	Sarada	031421	Anakapalli	18374		7379
				Parawada	13764		2360
				Sabbavaram	16252		2765
22	Tajangi-2 R1 nc	Sabari	032722	G.Madugula	54432		9387
23	Tandava-2 R1 nc	Tandava	031623	Golugonda	32300		5515
24	Tandava-3 R1 nc	Tandava	031624	Golugonda	32300		3782
				Koyyuru	64427		1046
25	Tandava-4 R1 nc	Tandava	031625	Koyyuru	64427		15871
26	Vedurlage dda R1 nc	Sarada	031426	Butchayyapeta	17741		8083
				Anakapalli	18374		3344
				Kasimkota	17127		1422
				Ravikamatam	19873		3317
27	Talcheru	Sarada	031427	Paderu	48425		9984

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
	R1 nc			V.Madugula	17760		2814
				Butchayyapeta	17741		354
28	Paravada R1 nc	Anakapalli minor drainage	031328	Parawada	13764		9387
				Achutapuram	14478		1763
				P.Gantiyada	10007		973
29	Borrammagedda R1 C	Narvagedda	031229	Sabbavaram	16252		187
				Parawada	13764		2017
				Gajuwaka	8453		5559
				P.Gantiyada	10007		9034
30	Tandava - 5 R1 C	Tandava	031630	Nathavaram	26506		6536
31	Tandava-1 R1 nc	Tandava	031631	Golugonda	32300		2859
32	Mamidivaka R1 C	Sarada	031432	Ravikamatam	19873		1353
				Butchayyapeta	17741		3347
				Kasimkota	17127		7316
33	Patal R1 nc	Sabari	032733	Dumbriguda	26664		13008
				Hukumpeta	62300		639
				Arakuvalley	26078		26078
34	Machkonda-1 R1 nc	Sabari	032734	G.Madugula	54432		11359
				Pedabayalu	50943		14765
				Paderu	48425		7527
35	Sarpa R1 C	Varaha	031535	Makavarapalem	16068		13511
				Rolugunta	13547		8863
				Ravikamatam	19873		9258
				kotavuratla	18141		1395
36	Mudasar Iova R1 nc	Madhura wada minor	031136	Visakhapatnam(r)	25387		5725
				Vsp Urban	1233		433
37	Sarada Main R1 C	Sarada	031437	Hukumpeta	62300		6414
				Anantagiri	49597		17601
				Devarapalli	14952		9688
				K.Kotapadu	17294		4375
				Chodavaram	13992		4861
				Anakapalli	18374		4239
				Kasimkota	17127		8389
				Munagapaka	9292		9292
				Achutapuram	14478		12715
				Elamanchili	10458		6562

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				S.Rayavaram	15058		5396
				Rambilli	12893		12893
38	Matchkonda-2 R1nc	Sabari	032738	Pedabayalu	50943		4466
				Munchingputtu	56100		39969
				Dumbriguda	26684		8015
39	Bodderu c	Sarada	031439	Hukumpeta	62300		3669
				Paderu	48425		3614
				Anantagiri	49597		7145
				Cheedikada	12563		11692
				V.Madugula	17760		150
				Butchayyapeta	17741		2630
				Chodavaram	13992		4959
				Devarapalli	14952		265
40	Pedderu c	Sarada	031440	G.madugula	54432		16072
				Paderu	48425		6142
				V.Madugula	17760		8207
				Butchayyapeta	17741		819
41	Naravagedda nc	Naravagedda	031241	Visakhapatnam(r)	25387		9978
				Gajuwaka	8453		2894
				Pendurti	11192		4873
				K.Kotapadu	17294		1878
				Sabbavaram	16252		13300
				Vsp Urban	1233		800
42	Gostani nc	Gostani	031042	Anantagiri	49597		9970
				Padmanabham	13679		13679
				Anandapuram	20530		11891
				Bhimili	12451		9211
43	Meghadrigedda	Narvagedda	031243	K.Kotapadu	17294		2123
				Pendurti	11192		6319
				Anandapuram	20530		1779
44	Tandava Main c	Tandava	031644	nakkapalli	19858		19677
				Chintapalle	104746		25213
				G.K.Veedhi	17827		607
				koyyuru	64427		665
				golugonda	32300		7929
				Nathavaram	26506		17609
				kotavuratla	18141		5071
				payakaraopeta	11428		11428
45	Tajangi-	Sabari	032745	G.Madugula	54432		16756

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
	1nc			Chintapalle	104746		45976
46	Sileru nc	Sabari	032746	G.K.Veedhi	78627		14251
47	Bonga gedda nc	Sabari	032747	Paderu	48425		16261
				Hukumpeta	62300		26598
48	Ganga varam	Sabari	032748	G.K.Veedhi	78627		9695
				Koyyuru	64427		9495
49	Makaram	Sabari	032749	Koyyuru	64427		26556
				G.K.Veedhi	78627		1000
50	Revula	Sabari	032750	G.K.Veedhi	78627		15500
51	Gamber am gedda	Madhura wada minor	031151	Anandapuram	20530		6860
				Bhimili	12451		3240
				Visakhapatnam(r)	25387		9684

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
VISAKHAPATNAM DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation			
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
1	Varaha-3C	2862	9555	625	728	215	690	410	38	102	225	113	465	136	679	387	0	34	95	Safe	Critical		
2	Varaha-1NC	0	6931	0	666	0	55	0	611	0	54	0	1	0	157	0	455	NA	8	NA	Safe	Safe	
3	Varaha-2R1C	1768	23647	1157	2623	61	792	1096	1832	61	337	0	454	0	1187	1096	1100	5	30	Safe	Safe		
4	Andarivagu R1 Nc	0	2487	0	144	0	45	0	98	0	14	0	31	0	45	0	85	NA	32	NA	Safe	Safe	
5	Bodderu, Senkaram_R1 nc	0	2180	0	148	0	13	0	135	0	6	0	7	0	17	0	125	NA	9	NA	Safe	Safe	
6	Budigedda_R1 nc	0	3319	0	253	0	73	0	180	0	54	0	19	0	40	0	159	NA	29	NA	Safe	Safe	
7	Ginnelakota R1 nc	0	994	0	97	0	24	0	73	0	19	0	5	0	18	0	60	NA	25	NA	Safe	Safe	
8	Gorrigedda R1 C	1086	10889	485	931	26	270	459	661	26	89	0	181	20	331	440	511	5	29	Safe	Safe		
9	Madugumailu R1nc	0	1583	0	121	0	49	0	72	0	17	0	32	0	38	0	66	NA	40	NA	Safe	Safe	
10	Sapagedda R1 nc	0	773	0	78	0	23	0	55	0	16	0	7	0	16	0	46	NA	29	NA	Safe	Safe	
11	Murtal Gedda R1 nc	0	2693	0	259	0	27	0	232	0	13	0	14	0	34	0	212	NA	10	NA	Safe	Safe	
12	Musalimadugu R1nc	0	1136	0	87	0	40	0	47	0	16	0	24	0	29	0	42	NA	46	NA	Safe	Safe	
13	Sarada-1 R1 nc	0	800	0	62	0	12	0	50	0	8	0	4	0	26	0	28	NA	19	NA	Safe	Safe	
14	Sarada-2 R1 nc	0	87	0	7	0	4	0	3	0	2	0	2	0	14	0	0	NA	57	NA	Safe	Safe	
15	Sarada-3 R1 nc	0	57	0	6	0	2	0	4	0	1	0	1	0	8	0	0	NA	33	NA	Safe	Safe	
16	Sarada-4 R1 nc	0	60	0	6	0	3	0	3	0	0	0	3	0	9	0	0	NA	50	NA	Safe	Safe	
17	Sarada-5 R1 nc	0	20	0	2	0	1	0	1	0	0	0	1	0	1	0	1	NA	50	NA	Safe	Safe	

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
18	Sarada-6 R1 nc	0	36	0	4	0	1	0	3	0	1	0	0	0	1	0	2	NA	25	NA	Safe
19	Sarada-7R1 C	1084	10504	143	828	8	223	136	604	8	153	0	70	25	411	110	263	5	27	Safe	Safe
20	Sarada-8 R1 nc	0	2669	0	207	0	63	0	144	0	44	0	19	0	41	0	122	NA	30	NA	Safe
21	Sarada-9R1 nc	0	10483	0	775	0	463	0	312	0	400	0	63	0	185	0	190	NA	60	NA	Safe
22	Tajangi-2 R1 nc	0	1306	0	118	0	14	0	104	0	8	0	6	0	7	0	103	NA	12	NA	Safe
23	Tandava-2 R1 nc	0	1241	0	142	0	32	0	110	0	21	0	11	0	23	0	98	NA	23	NA	Safe
24	Tandava-3 R1 nc	0	878	0	110	0	69	0	41	0	27	0	42	0	50	0	33	NA	63	NA	Safe
25	Tandava-4 R1 nc	0	967	0	99	0	17	0	82	0	1	0	16	0	41	0	57	NA	17	NA	Safe
26	Vedurigeedda R1 nc	0	11724	0	869	0	72	0	797	0	47	0	25	0	219	0	603	NA	8	NA	Safe
27	Talcheru R1 nc	0	4036	0	376	0	45	0	331	0	32	0	13	0	80	0	264	NA	12	NA	Safe
28	Paravada R1 nc	0	10053	0	846	0	162	0	684	0	104	0	58	0	184	0	558	NA	19	NA	Safe
29	Borramagedda R1 C	107	14790	25	1226	1	417	24	809	3	78	-2	339	0	2341	22	0	4	34	Safe	Safe
30	Tandava -5 R1 C	125	897	82	69	4	24	78	45	4	13	1	11	1	18	78	38	5	35	Safe	Safe
31	Tandava-1 R1 nc	0	133	0	15	0	2	0	13	0	1	0	1	0	6	0	8	NA	13	NA	Safe
32	Mamdivaka R1 C	265	11631	167	934	1	132	166	802	1	66	0	66	0	179	166	689	1	14	Safe	Safe
33	Patal R1 nc	0	6387	0	669	0	92	0	577	0	62	0	30	0	153	0	454	NA	14	NA	Safe
34	Machkonda-1 R1 nc	0	3778	0	352	0	88	0	264	0	57	0	31	0	49	0	246	NA	25	NA	Safe
35	Sarpa R1 C	1832	21852	278	1721	154	553	124	1168	153	411	1	142	11	820	114	491	55	32	Safe	Safe
36	Midasarfova R1 nc	0	1078	0	100	0	150	0	0	0	37	0	113	0	811	0	0	NA	150	NA	OE

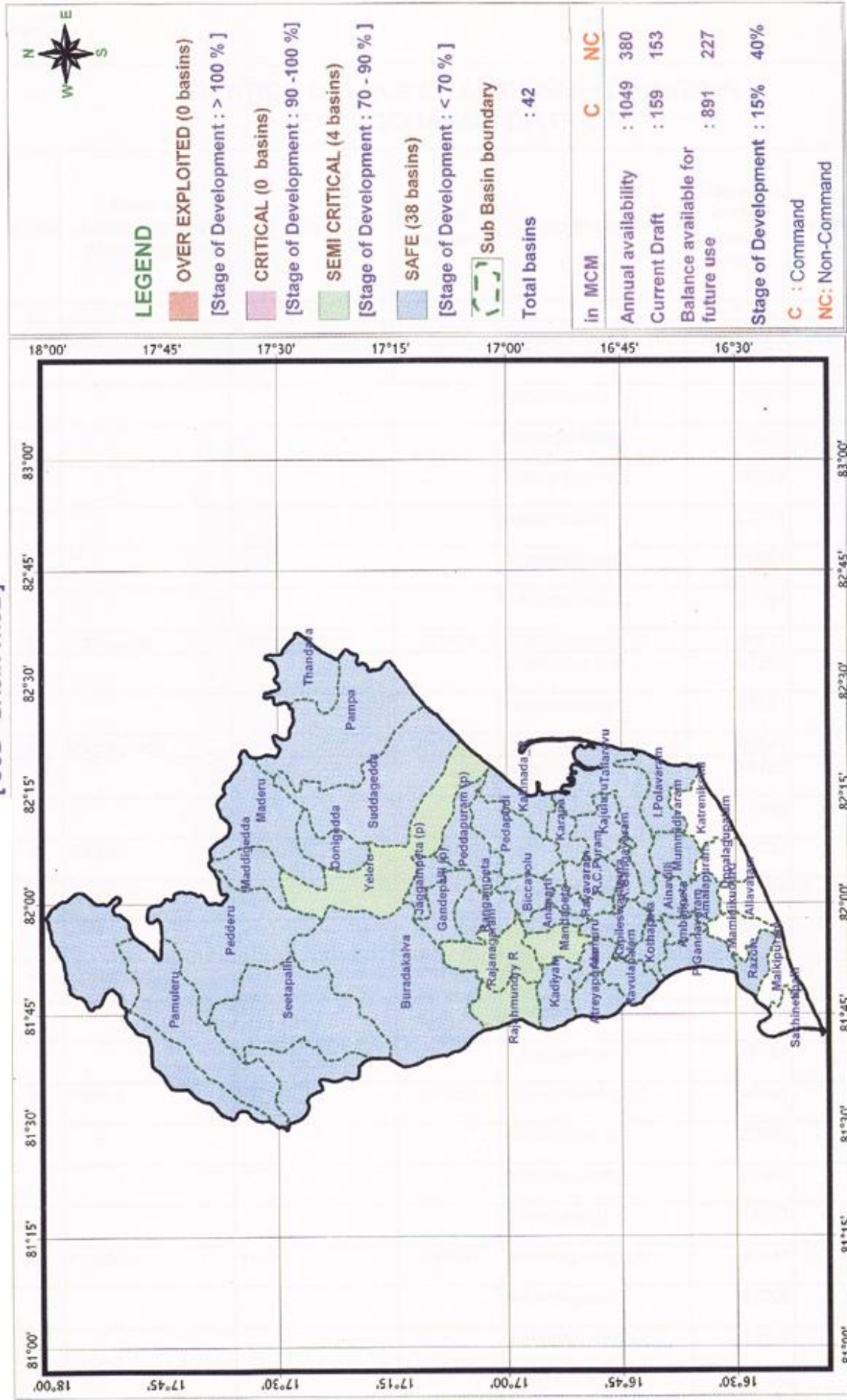


S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
37	Sarada Main R1 C	13494	52621	6801	4878	638	1293	6163	3585	621	866	16	427	303	2277	5877	1735	9	27	Safe	Safe	
38	Matchkonda-2 R1 nc	0	8946	0	887	0	166	0	721	0	121	0	45	0	95	0	671	NA	19	NA	Safe	
39	BOEderu c	1400	17399	357	1288	150	163	207	1125	53	153	98	10	117	795	187	340	42	13	Safe	Safe	
40	Pedderu c	1222	9358	419	712	45	202	374	510	39	113	6	89	42	312	338	287	11	28	Safe	Safe	
41	Naravaigedda nc	0	23486	0	1524	0	1407	0	117	0	266	0	1141	1	4338	0	0	NA	92	NA	Critical	
42	Gostani nc	0	30585	0	2146	0	464	0	1682	0	386	0	78	0	568	0	1192	NA	22	NA	Safe	
43	Meghadrigedda	0	7496	0	469	0	419	0	50	0	345	0	74	0	198	0	0	NA	89	NA	Critical	
44	Tandava Main c	8504	24306	822	1788	73	436	749	1352	5	21	68	415	82	498	735	1269	9	24	Safe	Safe	
45	Tajangi-1nc	0	12347	0	1035	0	418	0	617	0	237	0	181	0	217	0	581	NA	40	NA	Safe	
46	Sileru nc	0	2339	0	176	0	52	0	124	0	29	0	23	0	26	0	121	NA	30	NA	Safe	
47	Bongaredda nc	0	6186	0	574	0	176	0	398	0	94	0	82	0	93	0	387	NA	31	NA	Safe	
48	Gangavaram	0	305	0	38	0	23	0	15	0	3	0	20	0	24	0	11	NA	61	NA	Safe	
49	Makaram	0	3985	0	385	0	198	0	187	0	35	0	163	0	196	0	154	NA	51	NA	Safe	
50	Revulakota	0	50	0	4	0	2	0	2	0	1	0	1	0	2	0	1	NA	50	NA	Safe	
51	Gamboeram gedda	0	7294	0	584	0	216	0	368	0	96	0	120	0	246	0	242	NA	37	NA	Safe	
District total		33749	368357	11362	32166	1376	10378	9986	21789	1075	5201	301	5177	737	18153	9550	8812	12	32	Safe	Safe	
Total (C + NC)		422106	43528	11754	31774	6277	5478	18890	18362	5478	5478	5478	5478	5478	5478	5478	5478	5478	5478	5478	5478	5478
ABSTRACT		OE = 1				Critical = 3				SC = 0				Safe = 47				Total basins = 51				

Note: OE = Over exploited, SC = Semi-critical, C = command area, NC = non-command area, NC = Not applicable, Note: OE = Over exploited, SC = Semi-critical and NA = Not applicable; NC = Non Command, C = Command, Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT- EAST GODAVARI DISTRICT

[ SUB - BASIN WISE ]





**LOCATION DETAILS OF ASSESSMENT UNITS IN  
EAST GODAVARI DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
1	Burada kalva	Godavari	043101	Gangavaram(p)	41123	20414
				Gokavaram(p)	22477	16093
				Korukonda(p)	25367	14529
				Sitanagaram(p)	17037	13461
				Rajanagaram(p)	24257	9831
				Gandepalli(p)	27471	8232
				Jaggampeta(p)	15324	1540
				Devipatnam(p)	31094	12057
2	Donigedda	Yeleru	041902	Rajavommangi(p)	46541	2519
				Addateegala(p)	61705	549
				Yeleswaram(p)	23131	2486
3	Maddigedda	Yeleru	041903	Rajavommangi(p)	46541	469
				Addateegala(p)	61705	3371
				Y.Ramavaram(p)	78498	35
4	Maderu	yeleru	041904	Rajavommangi(p)	46541	1903
				Addateegala(p)	61705	1981
				Yeleswram(p)	23131	1600
5	Pamuleru	yeleru	041905	Maredumilli	90394	1828
				Devipatnam	31094	211
				Y.Ramavaram	78498	1228
6	Pampa	Pampa	041706	Rajavommangi(p)	46541	1275
				Kotananduru(p)	22682	6103
				Sankavaram(p)	25367	8238
				Thondangi(f)	17037	17037
7	Pedderu	Yeleru	041907	Rajavommangi(p)	46541	30
				Addateegala(p)	61705	3816
				Y.Ramavaram(p)	78498	6679
				Gangavaram(p)	41123	1982

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
				Yeleswaram(p)	23131	792
8	Seetapalli	Seetapalli	043008	Maredumilli	90394	1002
				R.Chodavaram	61848	36204
				Devipatnam	31094	21450
				Gangavaram	41123	5509
9	Suddagedda	Suddagedda	041809	Rajavommangi(p)	46541	3595
				Prattipadu(p)	22416	18437
				Pithapuram(p)	12379	2140
				Gollaprolu(p)	22213	7933
10	Thandava	Thandava	041610	Kotananduru(p)	22685	15581
				Tuni(f)	19746	18720
11	Yeleru	Yeleru	041911	Yeleswaram(p)	23131	2432
				Kirlampudi(p)	8650	6957
				Pithapuram(p)	12379	8169
				Samalkota(p)	14669	5653
				Peddapuram	14314	12292
				U.Kottapalli	11413	7459
12	Gandepalli	Zillakalva	043212	Gandepalli	16595	16595
13	Rajahmundry ©	Zillakalva	043213	Rajahmundry	7503	7503
14	Rajanagaram	Zillakalva	043214	Rajanagaram	22724	22724
15	Rangampeta	Zillakalva	043215	Rangampeta	14576	14576
16	Ainavilli	Lower Godavari Delta	043416	Ainavilli	9432	9432
17	Alamuru	Lower Godavari Delta	043417	Alamuru	7827	7827
18	Amalapuram	Lower Godavari Delta	043418	Amalapuram	13293	13293
19	Ambajipeta	Lower Godavari Delta	043419	Ambajipeta	5404	5404
20	Anaparti	Godavari	043420	Anaparti	6052	6052
21	Athreyapuram	Lower Godavari Delta	043421	Athreyapuram	8398	8398

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
22	Biccavolu	Godavari	043422	Biccavolu	10043	10043
23	I.Polavaram	Lower Godavari Delta	043423	I.Polavaram	9539	9539
24	Jaggampeta	Zillakalva	043224	Jaggampeta	18624	18624
25	K.Gangavaram	Lower Godavari Delta	043425	K.Gangavaram	9862	9862
26	Kadiyam	Lower Godavari Delta	043426	Kadiyam	9288	9288
27	Kajuluru	Lower Godavari Delta	043427	Kajuluru	11636	11636
28	Kapileswarapuram	Lower Godavari Delta	043428	Kapileswarapuram	10425	10425
29	Karapa	Lower Godavari Delta	043429	Karapa	10754	10754
30	Kakinada_R	Lower Godavari Delta	043430	Kakinada_R	7112	7112
31	Kothapeta	Lower Godavari Delta	043431	Kothapeta	7907	7907
32	Mandapeta	Lower Godavari Delta	043432	Mandapeta	10992	10992
33	Mummadivaram	Lower Godavari Delta	043433	Mummadivaram	9534	9534
34	Pedapudi	Lower Godavari Delta	043434	Pedapudi	11024	11024
35	Peddapuram	Lower Godavari Delta	043435	Peddapuram	18767	18767
36	P.Gannavaram	Lower Godavari Delta	043436	P.Gannavaram	8036	8036
37	R.C.Puram	Lower Godavari Delta	043437	R.C.puram	10535	10535
38	Ravulapalem	Lower Godavari Delta	043438	Ravulapalem	7182	7182
39	Rayavaram	Lower Godavari Delta	043439	Rayavaram	8037	8037

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
40	Razole	Lower Godavari Delta	043440	Razole	7989	7989
41	Tallarevu	Lower Godavari Delta	043441	Tallarevu	12836	12836
42	U. Kothapalli (p)	Lower Godavari Delta	043442	U. Kothapalli (p)	11179	4543
43	Allavaram	Lower Godavari Delta	043443	Allavaram	11958	11958
44	Katrenikona	Lower Godavari Delta	043444	Katrenikona	13593	13593
45	Mamidikuduru	Lower Godavari Delta	043445	Mamidikuduru	7649	7649
46	Malkipuram	Lower Godavari Delta	043446	Malkipuram	8722	8722
47	Sakhinetipalli	Lower Godavari Delta	043447	Sakhinetipalli	9948	9948
48	Uppalagupatam	Lower Godavari Delta	043448	Uppalagupatam	11681	11681

**ASSESSMENT UNIT (BASIN/MANDAL) WISE GROUNDWATER POTENTIAL REPORT OF  
EAST GODAVARI DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	Area considered for recharge ha			Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual groundwater availability for future use ha.m			Current annual draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and industrial needs at 2025 ha.m			Demand for domestic and industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categori sation
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	Buradakalva	11181	67126	1713	8897	494	3610	1219	5287	451	3128	43	482	176	1689	176	1689	1086	4080	29	41	Safe	Safe									
2	Donigottda	0	5107	0	674	0	113	0	561	0	98	0	15	0	60	0	60	0	516	NA	17	NA	Safe									
3	Maddigpedda	0	3875	0	474	0	16	0	458	0	8	0	8	0	21	0	21	0	445	NA	3	NA	Safe									
4	Maderu	0	5086	0	685	0	254	0	431	0	166	0	88	0	89	0	89	0	430	NA	37	NA	Safe									
5	Pamuleru	0	3267	0	436	0	125	0	311	0	39	0	86	0	24	0	103	0	294	NA	29	NA	Safe									
6	Pampa	9692	22825	2399	2772	1083	409	1316	2363	1074	402	9	7	139	806	139	806	1186	1564	45	15	Safe	Safe									
7	Pedderu	0	13298	0	1564	0	73	0	1491	0	71	0	2	0	90	0	90	0	1403	NA	5	NA	Safe									
8	Seetapalli	0	27017	0	3010	0	107	0	2303	0	9	0	98	0	142	0	142	0	2859	NA	4	NA	Safe									
9	Suddagedda	9063	23014	1367	2855	606	904	761	1951	569	768	37	136	167	670	187	670	611	1417	44	32	Safe	Safe									
10	Thandava	16323	17083	2360	1689	271	446	2089	1223	213	408	58	36	375	423	375	423	1772	838	11	27	Safe	Safe									
11	Yeleru	29847	12082	6278	1730	1038	1352	5241	378	889	1352	149	0	1053	757	1053	757	4337	0	17	76	Safe	SC									
12	Gandepalli (p)	0	8363	0	1825	0	1194	0	631	0	1163	0	31	0	97	0	97	0	565	NA	65	NA	Safe									
13	Rajahmundry R	0	7503	0	972	0	737	0	235	0	672	0	65	0	510	0	510	0	0	NA	76	NA	SC									
14	Rajangaram	0	22724	0	3375	0	2452	0	923	0	2359	0	93	0	294	0	294	0	722	NA	73	NA	SC									
15	Rangampeta	0	14576	0	2389	0	1428	0	961	0	1379	0	49	0	184	0	184	0	826	NA	60	NA	Safe									
16	Anavilli	9432	0	4557	0	450	0	4107	0	397	0	53	0	219	0	219	0	3841	0	10	NA	Safe	NA									



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		C	NC	4	C	5	6	NC	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
17	Alamuru	7827	0	4342	0	1263	0	3079	0	1159	0	104	0	256	0	256	0	2927	0	29	NA	Safe	NA															
18	Amalapuram	13293	0	4551	0	557	0	3694	0	192	0	365	0	386	0	386	0	3973	0	12	NA	Safe	NA															
19	Ambajipeta	5404	0	3693	0	521	0	3172	0	516	0	5	0	239	0	239	0	2938	0	14	NA	Safe	NA															
20	Anaparti	4590	1462	1553	211	769	40	784	171	669	32	100	8	193	84	193	84	691	95	50	19	Safe	Safe															
21	Atroyapuram	8398	0	4305	0	1812	0	2493	0	1726	0	86	0	229	0	229	0	2350	0	42	NA	Safe	NA															
22	Biocavolu	5832	4211	3655	566	142	60	3513	506	15	24	127	36	186	107	186	107	3454	435	4	11	Safe	Safe															
23	I.Polavaram	9539	0	3771	0	154	0	3617	0	22	0	132	0	256	0	256	0	3493	0	4	NA	Safe	NA															
24	Jeggampeta (p)	0	17084	0	2251	0	1313	0	938	0	1272	0	41	0	245	0	245	0	734	NA	58	NA	Safe	Safe														
25	K.Gangavaram	9662	0	3933	0	422	0	3511	0	269	0	153	0	253	0	253	0	3411	0	11	NA	Safe	NA															
26	Kadlyam	9288	0	4762	0	1219	0	3543	0	1187	0	32	0	287	0	287	0	3288	0	26	NA	Safe	NA															
27	Kajulu	11636	0	7476	0	69	0	7407	0	21	0	48	0	264	0	264	0	7191	0	1	NA	Safe	NA															
28	Kapileswarapuram	10425	0	4560	0	245	0	4315	0	175	0	70	0	257	0	257	0	4128	0	5	NA	Safe	NA															
29	Karapa	9238	0	3715	0	30	0	3685	0	30	0	0	0	261	0	261	0	3424	0	1	NA	Safe	NA															
30	Kakinada R	7112	0	2448	0	364	0	2064	0	263	0	101	0	27	0	27	0	2064	0	15	NA	Safe	NA															
31	Kothapeta	7907	0	4575	0	697	0	3878	0	556	0	141	0	279	0	279	0	3740	0	14	NA	Safe	NA															
32	Mandapeta	7172	3827	2197	768	373	620	1824	169	343	609	30	11	354	179	354	179	1500	0	17	79	Safe	SC															
33	Mummidivaram	9552	0	1934	0	318	0	1616	0	164	0	154	0	479	0	479	0	1291	0	16	NA	Safe	NA															
34	Pedapudi	11024	0	3054	0	452	0	2902	0	410	0	42	0	255	0	255	0	2689	0	13	NA	Safe	NA															

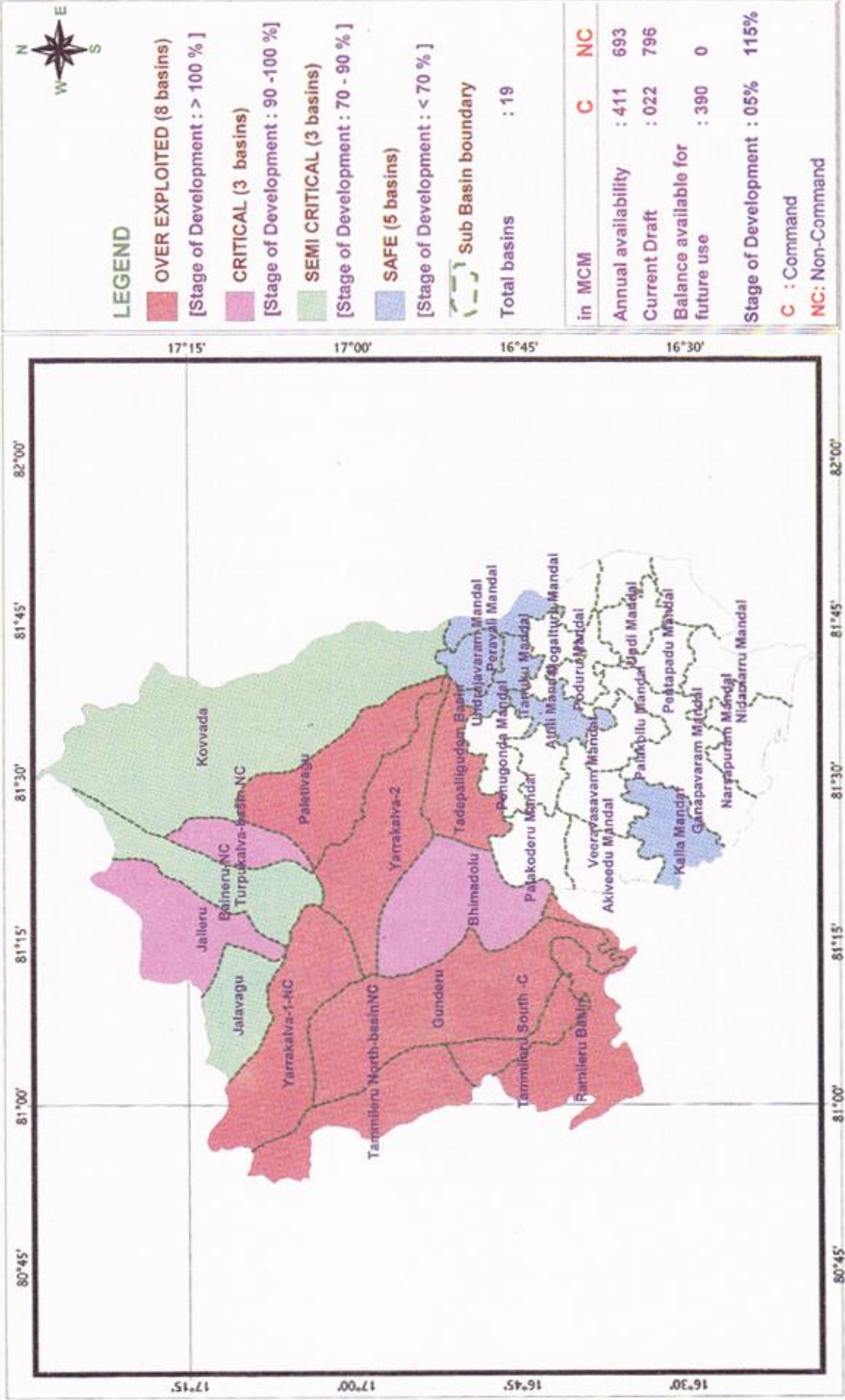
S. No	Name of Assessment unit (Basin/mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
35	Peddapuram (p)	276	6354	138	839	7	0	131	839	7	0	0	0	22	58	109	781	0	0	0	0	0	0	0
36	P. Gannavaram	8036	0	1453	0	668	0	785	0	316	0	352	0	226	0	422	0	715	0	45	0	0	0	0
37	R.C.Puram	10535	0	5267	0	377	0	4890	0	283	0	94	0	498	0	498	0	4486	0	4	0	0	0	0
38	Ravulapalem	7182	0	3591	0	537	0	3054	0	461	0	76	0	263	0	263	0	2867	0	8	0	0	0	0
39	Risavaram	8037	0	4018	0	290	0	3728	0	278	0	12	0	242	0	242	0	3498	0	4	0	0	0	0
40	Rizole	7984	0	1280	0	569	0	711	0	59	0	510	0	221	0	612	0	609	0	44	0	0	0	0
41	Tallarevu	12836	0	3408	0	45	0	3363	0	38	0	7	0	274	0	274	0	3096	0	1	0	0	0	0
42	U.Koitapalli (p)	4543	0	2271	0	8	0	2263	0	3	0	5	0	121	0	121	0	2147	0	1	0	0	0	0
District Total		293066	285885	104925	37982	15850	15253	89075	22729	12755	13959	3095	1204	8477	6529	9159	6608	83011	17415	15	40	0	0	0
Total [C- NC]		578951	142907	31103	111804	26714	15006	15767	100426	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
ABSTRACT		OE = 0	Critical = 0	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4	SC = 4

Note: OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command area; NC = Not applicable; Note: OE = Over exploited; SC = Semi-critical and NA = Not applicable; MC = Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

**ASSESSMENT UNIT (MANDAL) WISE GROUNDWATER POTENTIAL  
REPORT OF EAST GODAVARI DISTRICT IN SALINE AREAS**

S. No	Name of Assessment unit (mandal)	Area considered for recharge ha	Net annual groundwater availability ha.m	Current gross annual ground water draft for all uses ha.m
1	Allavaram	11958	3722	125
2	Katrenikona	13598	2872	244
3	Mamidikuduru	7649	1270	386
4	Malikipuram	8722	1603	835
5	Sakhinetipalli	9948	5283	450
6	Uppalagupatam	11681	1747	49
	Total	63556	16497	2089

# STATUS OF GROUNDWATER DEVELOPMENT- WEST GODAVARI DISTRICT [ SUB - BASIN WISE ]





**LOCATION DETAILS OF ASSESSMENT UNITS IN  
WEST GODAVARI DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Jalavagu	Yarrakalva	0538 01	Jeelugumilli	14940		12529
				Jangareddigudem	19601		25
				T.Narsapuram	28084		4005
2	Jalleru basin	Yarra kalva	0538 02	Jangareddigudem	19601	0	3733
				Jeelugumilli	14940	0	2411
				Buttayagudem	18840	0	2780
3	Bhimadolu	Yarra kalva	053803	Kamavarapukota	19999	0	2149
				Nallajerla	21051	0	4222
				Denduluru	17829	0	653
				Dwarakatirumala	25002	0	17419
				Bhimadolu	21035	10164	10871
				Unguturu	20268	1476	5904
4	Gunderu	Gunderu	053804	Chintalapudi	34731	0	4402
				T.Narsapuram	28084	0	1664
				Kamavarapukota	19999	0	12213
				Lingapalem	23190	0	7768
				Pedavegi	26233	0	8579
				Denduluru	17829	5233	11655
5	Tadepalligudem basin	Yarra kalva	053805	Unguturu	20268	6855	5313
				Tadepalligudem	22012	4895	10609
6	Ramileru Basin	Ramileru	054106	Pedavegi	26233	0	5121
				Pedapadu	17638	13911	3727
7	Kovvada	Godavari	053707	Polavaram	10471	0	10471
				Tallapudi	10033	0	10033
				Kovvuru	10451	0	10424
				Buttayagudem	18840	0	3257
				Gopalapuram	21068	0	17839
				Devarapalli	17169	0	5789
				Chagallu	10882	0	8165
				Nidadavolu	12923	4129	1127

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
8	Paleti vagu	Yarrakalva	053808	Koyalagudem	18833	0	11011
				Gopalapuram	21068	0	3229
				Chagallu	10882	0	2717
				Nallajerla	24597	0	2240
				Devarapalli	21039	0	14431
				Nidadavolu	12923	0	5297
9	Yarra kalva-2	Yarra kalva	053809	Jangareddigudem	21799	0	2106
				Kamavarapukota	19999	0	822
				Dwarakatirumala	25002	0	7584
				Koyalagudem	18833	0	769
				Nallajerla	24597	0	18135
				Tadepalligudem	22012	0	6448
				Devarapalli	21039	0	818
Nidadavolu	12923	0	2370				
10	Tammileru North-basinNC	Tammi leru	053710	Chintalapudi	34732	0	9726
				Lingapalem	23194	0	12426
				Pedavegi	25383	0	4105
11	Turpukalva-basin NC	Yarra kalva	053811	Buttayagudem	18840	0	4518
				Koyalagudem	18833	0	4951
				Jangareddigudem	19601	0	1021
12	Yarrakalva-1-NC	Yarra kalva	053812	Chintalapudi	34732	0	20605
				T.Narsapuram	28084	0	22415
				Jangareddigudem	21333	0	3725
				Kamavarapukota	19999	0	4815
13	Tammileru South - C	Tammi leru	053713	Pedavegi	26233	0	8428
				Eluru	20802	20352	450
				Denduluru	17829	288	0
14	Baineru-NC	Yarrakalva	053814	Jangareddigudem	21799	0	11189
				Koyalagudem	18833	0	2102
				Buttayagudem	21073	0	10518
15	Achanta Mandal	Godavari	053715	Achanta	7032	7032	0
16	Akiveedu Mandal	Godavari	053716	Akiveedu	12012	12012	0
17	Attili Mandal	Godavari	053717	Attili	8586	8586	0

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
18	Bhimavaram Mandal	Godavari	053718	Bhimavaram	17928	17928	0
19	Ganapavaram Mandal	Godavari	053819	Ganapavaram	9186	9186	0
20	Iragavaram Mandal	Godavari	053820	Iragavaram	7916	7916	0
21	Kalla Mandal	Godavari	053721	Kalla	14487	14487	0
22	Mogalturu Mandal	Godavari	053722	Mogalturu	12609	12609	0
23	Narsapuram Mandal	Godavari	053723	Narsapuram	16131	16131	0
24	Nidamarru Mandal	Godavari	053724	Nidamarru	10167	10167	0
25	Palakoderu Mandal	Godavari	053725	Palakoderu	9227	9227	0
26	Palakollu Mandal	Godavari	053726	Palakollu	8671	8671	0
27	Pentapadu Mandal	Godavari	053727	Pentapadu	11475	14475	0
28	Penugonda Mandal	Godavari	053728	Penugonda	7101	7101	0
29	Penumantra Mandal	Godavari	053729	Penumantra	8206	8206	0
30	Peravali Mandal	Godavari	053730	Peravali	8284	8284	0



S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
31	Poduru Mandal	Godavari	053731	Poduru	6862	6862	0
32	Tanuku Mandal	Godavari	053732	Tanuku	7649	7649	0
33	Undi Mandal	Godavari	053733	Undi	12900	12900	0
34	Undrajavaram Mandal	Godavari	053734	Undrajavaram	8029	8029	0
35	Veeravasavam Mandal	Godavari	053735	Veeravasaram	8701	8701	0
36	Yalamanchili Mandal	Godavari	053736	Yalamanchili	8756	8756	0

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
WEST GODAVARI DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	Area covered ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	Jajivagu	0	16559	0	2911	0	2202	0	709	0	1577	0	625	0	750	0	584	NA	76	NA	SC
2	Jajjoru	0	8924	0	1385	0	1309	0	76	0	1290	0	19	0	57	0	38	NA	95	NA	Critical
3	Bhimadolu	11640	41218	2305	5009	42	4639	369	2263	34	4620	7	19	42	831	2229	0	2	93	108	Safe
4	Gunderu	5233	46281	2193	7913	6	8510	2186	0	8300	6	210	12	252	2181	0	0	10	143	120	Safe
5	Tadepalligudem Basin	11750	15922	5875	2640	588	3783	5287	0	3739	55	45	208	636	5134	0	10	143	120	120	Safe
6	Ramileru Basin	13911	8848	3056	1681	37	2012	3018	0	37	2008	0	4	91	207	2927	0	1	120	120	Safe
7	Kovvada	4129	67105	543	8395	40	6800	504	1595	37	6589	3	211	3	253	503	1553	7	81	129	Safe
8	Palotivagu	0	38925	0	6126	0	7903	0	0	0	7873	0	30	0	445	0	0	NA	129	NA	OE
9	Yarrakalva-2	0	39052	0	6625	0	8044	0	0	0	8005	0	39	0	291	0	0	NA	121	NA	OE
10	Tammileru North basin NC	0	26257	0	5216	0	6553	0	0	0	6538	0	15	0	320	0	0	NA	126	NA	OE
11	Turpukalva-basin NC	0	10490	0	2099	0	1951	0	148	0	1932	0	19	0	96	0	71	NA	93	NA	Critical
12	Yarrakalva-1-NC	0	51560	0	12330	0	18370	0	0	0	18306	0	64	0	270	0	0	NA	149	NA	OE
13	Tammileru South -C	20640	8878	3642	2470	76	3948	3565	0	0	3854	76	94	737	148	2905	0	2	160	160	Safe
14	Baineru-NC	0	23809	0	4477	0	3589	0	888	0	3589	0	0	0	248	0	640	NA	80	NA	SC
15	Attili Mandal	8586	0	4293	0	11	0	4282	0	0	0	11	0	219	0	4074	0	0	NA	NA	Safe
16	Kallia Mandal	14487	0	7244	0	0	0	7244	0	0	0	0	0	192	0	7052	0	0	NA	NA	Safe



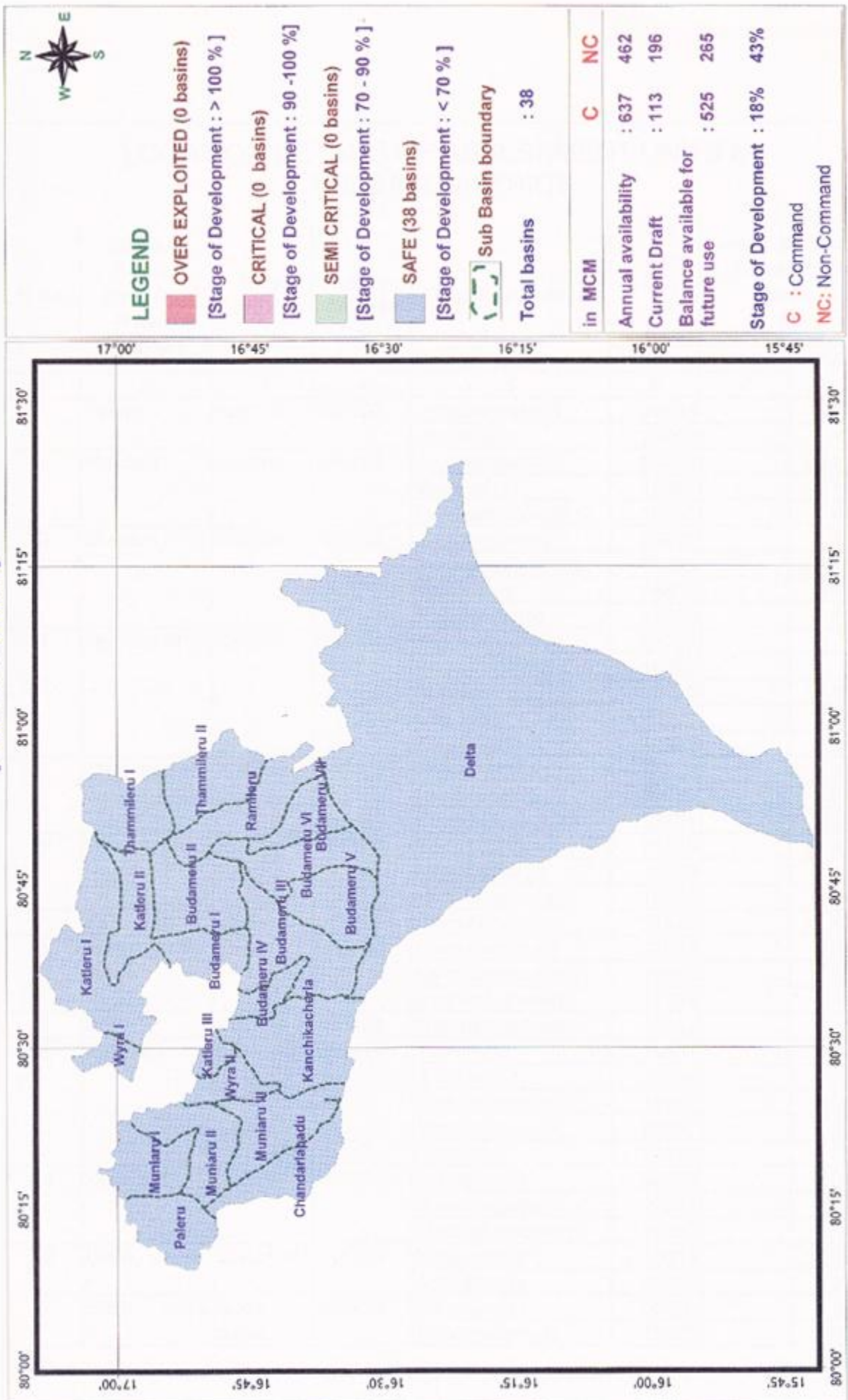
**ASSESSMET UNIT WISE GROUNDWATER POTENTIAL  
ASSESSMENT REPORT IN SALINE AREAS OF  
WEST GODAVARI DISTRICT**

S. No	Name of Assessment unit (mandal)	Area covered ha	Net annual groundwater availability ha.m	Current gross annual ground water draft for all uses ha.m
1	Achanta	7032	3516	0
2	Akiveedu	12012	6006	0
3	Bhimavaram	17928	8964	0
4	Ganapavaram	9186	4593	0
5	Iragavaram	7916	3958	126
6	Mogalturu	12609	4311	0
7	Narsapuram	16131	8066	0
8	Nidamaru	10167	5084	0
9	Palakoderu	9227	4614	0
10	Palakollu	8671	4336	0
11	Pentapadu	11475	5741	0
12	Penugonda	7101	3551	0
13	Penumantra	8206	4103	0
14	Poduru	6862	3431	0
15	Undi	12900	6450	0
16	Veeravasavam	8701	4351	0
17	Yalamanchili	8751	4378	0
	<b>Saline Total</b>	<b>174875</b>	<b>85450</b>	<b>126</b>



# STATUS OF GROUNDWATER DEVELOPMENT - KRISHNA DISTRICT

[ SUB - BASIN WISE ]



0 50 100 Kilometers



**LOCATION DETAILS OF ASSESSMENT UNITS IN  
KRISHNA DISTRICT**

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Paleru	Krishna	065101	Jaggaihpeta(p)	26295		19445
				Vatsavai(p)	18800		1302
2	Muniaru I	Krishna	065102	Jaggaihpeta(p)	26295		1208
				Vatsavai(p)	18800		11170
				Penuganchiprolu(p)	16365		4403
3	Muniaru II	Krishna	065103	Jaggaihpeta(p)	26295		3786
				Penuganchiprolu(p)	16365		11892
				Vatsavai(p)	18800		6328
				Nandigama(p)	19029		6963
4	Muniaru III	Krishna	065104	Jaggaihpeta(p)	26295		80
				Penuganchiprolu(p)	16365		70
				Nandigama(p)	19029		5543
				Chandarlpadu(p)	22301		6822
				Kanchikacherla(p)	16248		5765
5	Chandarlpadu	Krishna	065105	Jaggaihpeta(p)	26295		1776
				Nandigama(p)	19029		2180
				Chandarlpadu(p)	22301		15479
6	Wyra II	Krishna	065106	Veerullapadu(p)	21049		6747
				Nandigama(p)	19029		4343
				Kanchikacherla(p)	16248		532
7	Katleru III	Krishna	065107	Veerullapadu(p)	21049		4652
8	Kanchikacherla	Krishna	065108	Veerullapadu(p)	21049		9650
				Kanchikacherla(p)	16248		9951
				Ibrahimpatnam(p)	11354		7934
9	Wyra I	Krishna	065109	Gampalagudem(p)	19967		9137
10	Katleru I	Krishna	065110	Tiruvuru(f)	18432		18432
				A.Koduru(p)	20200		3536
				Gampalagudem(p)	19967		10073
				Vissannapeta(p)	20257		5748
				Chatrai(p)	23198		2981
11	Katleru II	Krishna	065111	A.Koduru(p)	20200		10107
				Vissannapeta(p)	20257		10961
				Gampalagudem(p)	19967		757
12	Buda meru I	Budameru	064212	Mylavaram(P)	20319		11869
				A.Koduru(p)	20200		2788
13	Buda meru II	Buda meru	064213	A.Koduru(p)	20200		3769
				Reddigudem(p)	19202		19202



S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				Mylavaram(P)	20319		7339
				Vissannapeta(p)	20257		1114
14	Budameru III	Budameru	064214	G.Konduru(p)	20081		10645
				Mylavaram(P)	20319		1111
				Ibrahimpattanam(p)	11354		3420
				Vijayawada(Rural)	15682		6250
15	Budameru IV	Budameru	064215	G.Konduru(p)	20081		9436
16	Budameru V	Budameru	064216	Agiripalli(p)	22186		3201
				Gannavaram(p)	19501		9241
				Vijayawada(Rural)	15682		6683
				Vijayawada(Urban)	7268		1353
17	Budameru VI	Budameru	064217	Nuzvid(p)	23939		2831
				Agiripalli(p)	22186		12920
				Unguturu(p)	15275		2666
				Gannavaram(p)	19501		9699
18	Budameru VII	Budameru	064218	Agiripalli(p)	22186		5006
				Nuzvid(p)	23939		2186
				Gannavaram(p)	19501		561
				Bapulapadu(p)	22654		9239
19	Ramileru	Ramileru	064219	Nuzvid(p)	23939		18922
				Bapulapadu(p)	22654		4835
				Agiripalli(p)	22186		1059
				Musunuru (P)	20833		582
				Vissannapeta(p)	20257		1217
20	Thammileru I	Thammileru	064220	Chatrai(p)	23198		20033
				Vissannapeta(p)	20257		1217
21	Thammileru II	Thammileru	064221	Musunuru (P)	20833		20251
				Bapulapadu(p)	22654		1590
				Chatrai(p)	23198		184
22	Delta1 (Bapul)	Krishna Delta	065322	Bapulapadu(p)	22654		6990
23	Delta2 (Ungu)	Krishna Delta	065323	Unguturu(p)	15275		12609
24	Delta3 (VJR)	Krishna Delta	065324	Vijayawada(Rural)	15682		2749
25	Delta4 (VJU)	Krishna Delta	065325	Vijayawada(Urban)	7268		5915
26	Avanigadda	Krishna Delta	065326	Avanigadda	7499		7499

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
27	Challa palli	Krishna Delta	065327	Challapalli	12925		12925
28	Ghanta sala	Krishna Delta	065328	Ghantasala	11854		11854
29	Gudi wada	Krishna Delta	065229	Gudiwada	11919		11919
30	Kanki padu	Krishna Delta	065230	Kankipadu	10407		10407
31	Mopidevi	Krishna Delta	065231	Mopidevi	5280		5280
32	Movva	Krishna Delta	065232	Movva	14429		14429
33	Pamaru	Krishna Delta	065233	Pamaru	12324		12324
34	Pamidimukkala	Krishna Delta	065234	Pamidimukkala	11222		11222
35	Pedaparupudi	Krishna Delta	065235	Pedaparupudi	9629		9629
36	Penamaluru	Krishna Delta	065236	Penamaluru	8098		8098
37	Thotlavalluru	Krishna Delta	065237	Thotlavalluru	11091		11091
38	Vuyyuru	Krishna Delta	065238	Vuyyuru	10050		10050
39	Bantumilli	Krishna Delta	065239	Bantumilli	12530		12530
40	Gudlavalleru	Krishna Delta	065240	Gudlavalleru	12464		12464
41	Guduru	Krishna Delta	065241	Guduru	12922		12922
42	Kaikaluru	Krishna Delta	065242	Kaikaluru	16233		16233
43	Kalidindi	Krishna Delta	065243	Kalidindi	17815		17815
44	Koduru	Krishna Delta	065244	Koduru	20128		20128
45	Kruthivenu	Krishna Delta	065245	Kruthivenu	18094		18094
46	Machilipatnam	Krishna Delta	065246	Machilipatnam	38813		38813

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
47	Mandavalli	Krishna Delta	065247	Mandavalli	17878		17878
48	Mudinepalli	Krishna Delta	065248	Mudinepalli	16851		16851
49	Nagayalanka	Krishna Delta	065249	Nagayalanka	20404		20404
50	Nandivada	Krishna Delta	065250	Nandivada	14731		14731
51	Pedana	Krishna Delta	065251	Pedana	15084		15084

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
KRISHNA DISTRICT**

S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual ground water availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Paleru	2443	17692	1375	1504	0	513	1375	991	0	442	0	71	0	548	1375	513	0	34	Safe	Safe
2	Muniaru I	3832	12949	774	1256	176	570	598	686	176	531	0	39	0	401	598	324	23	45	Safe	Safe
3	Muniaru II	7371	21598	855	1944	295	454	560	1490	295	389	0	65	0	648	560	907	34	23	Safe	Safe
4	Muniaru III	791	17488	469	1486	56	560	413	927	56	507	0	52	0	577	413	402	12	38	Safe	Safe
5	Chandrapadu	1923	17022	358	1719	50	255	308	1464	50	204	0	51	0	426	308	1089	14	15	Safe	Safe
6	Wyra II	1691	9931	402	1092	0	328	402	765	0	288	0	40	0	303	402	502	0	30	NA	Safe
7	Katleru III	349	4303	236	499	0	250	236	250	0	241	0	9	0	125	236	133	0	50	NA	Safe
8	Kanchikacheru	2066	23119	475	2636	0	1040	475	1595	0	971	0	69	0	578	475	1087	0	39	NA	Safe
9	Wyra I	1284	7853	618	935	0	173	618	762	0	134	0	39	0	173	618	628	0	18	NA	Safe
10	Katleru I	8570	30950	5989	3550	0	1300	5989	2250	0	995	0	305	0	1017	5989	1538	0	37	NA	Safe
11	Katleru II	843	19861	603	2547	319	1046	284	1501	319	666	0	380	0	429	284	1452	53	41	Safe	Safe
12	Budameru I	0	13627	0	1508	0	422	0	1186	0	313	0	109	0	131	0	1164	NA	26	NA	Safe
13	Budameru II	0	29004	0	2958	0	1044	0	1914	0	841	0	203	0	244	0	1874	NA	35	NA	Safe
14	Budameru III	0	20541	0	2260	0	760	0	1499	0	657	0	103	0	203	0	1399	NA	34	NA	Safe
15	Budameru IV	0	7636	0	802	0	237	0	565	0	229	0	8	0	69	0	504	NA	30	NA	Safe

S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual ground water availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
16	Budameru V	8324	7564	807	953	83	325	724	628	83	234	0	91	92	109	633	610	10	34	Safe	Safe
17	Budameru VI	6809	19999	980	2420	252	700	729	1720	245	590	7	120	95	460	640	1380	26	29	Safe	Safe
18	Budameru VII	3137	30595	853	4130	132	1560	722	2570	122	1407	9	153	35	612	696	2111	15	38	Safe	Safe
19	Ramileru	0	26334	0	3924	0	2475	0	1448	0	2238	0	237	0	527	0	1159	NA	63	NA	Safe
20	Thammileru I	1571	19554	476	2972	239	1274	237	1698	239	1212	0	62	0	332	237	1427	50	41	Safe	Safe
21	Thammileru II	0	21840	0	3189	0	1594	0	1594	0	1507	0	87	0	224	0	1458	NA	50	NA	Safe
22	Delta 1(Bapui)	6314	676	1389	158	6	38	1383	120	2	37	4	1	57	10	1330	111	0	24	Safe	Safe
23	Delta2(Ungu)	12609	0	2333	0	542	0	1790	0	454	0	88	0	177	0	1702	0	23	NA	Safe	NA
24	Delta3(VJR)	2749	0	608	0	93	0	514	0	91	0	3	0	41	0	476	0	15	NA	Safe	NA
25	Delta4(VJU)	5915	0	1491	0	189	0	1301	0	65	0	124	0	1349	0	77	0	13	NA	Safe	NA
26	Avanigadda	4453	3046	1652	475	58	299	1594	177	47	292	11	6	134	52	1472	131	4	63	Safe	Safe
27	Challapalli	12925	0	3697	0	840	0	2856	0	504	0	336	0	403	0	2789	0	23	NA	Safe	NA
28	Ghantasala	11854	0	2952	0	593	0	2359	0	367	0	225	0	270	0	2314	0	20	NA	Safe	NA
29	Gudiwada	11919	0	2026	0	131	0	1895	0	36	0	95	0	584	0	1406	0	6	NA	Safe	NA
30	Kankipadu	10407	0	2529	0	1395	0	1134	0	1322	0	73	0	193	0	1015	0	55	NA	Safe	NA
31	Mopikvei	5280	0	1843	0	818	0	1024	0	760	0	58	0	124	0	958	0	44	NA	Safe	NA
32	Movva	14429	0	3607	0	635	0	2972	0	418	0	216	0	231	0	2958	0	18	NA	Safe	NA

S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual ground water availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
33	Panamuru	12324	0	9507	0	285	0	9222	0	254	0	31	0	253	0	9000	0	1	NA	NA	
34	Pamdimukkala	11222	0	2682	0	303	0	2379	0	180	0	123	0	236	0	2267	0	11	NA	NA	
35	Pedaparupudi	9629	0	3611	0	212	0	3399	0	173	0	39	0	106	0	3332	0	6	NA	NA	
36	Penamaturu	8093	0	2583	0	1628	0	956	0	1595	0	32	0	227	0	761	0	63	NA	NA	
37	Thollavalluru	5225	5866	3255	11098	774	2426	2481	0	747	2426	27	0	146	0	2362	8672	24	22	Safe	
38	Vuyyuru	10050	0	2703	0	1160	0	1538	0	1055	0	111	0	133	0	1516	0	43	NA	NA	
	District Total	206406	389048	63739	56114	11269	19643	52469	36472	9656	17343	1613	2299	4893	8197	49199	30574	18	35	Safe	
	Total [ C+NC ]	595454		119853		30912		88941		26999		3913		13080		79773				Safe	
	ABSTRACT	OE = 0		Critical = 0		SC = 0		Safe = 38		Total basins = 38											

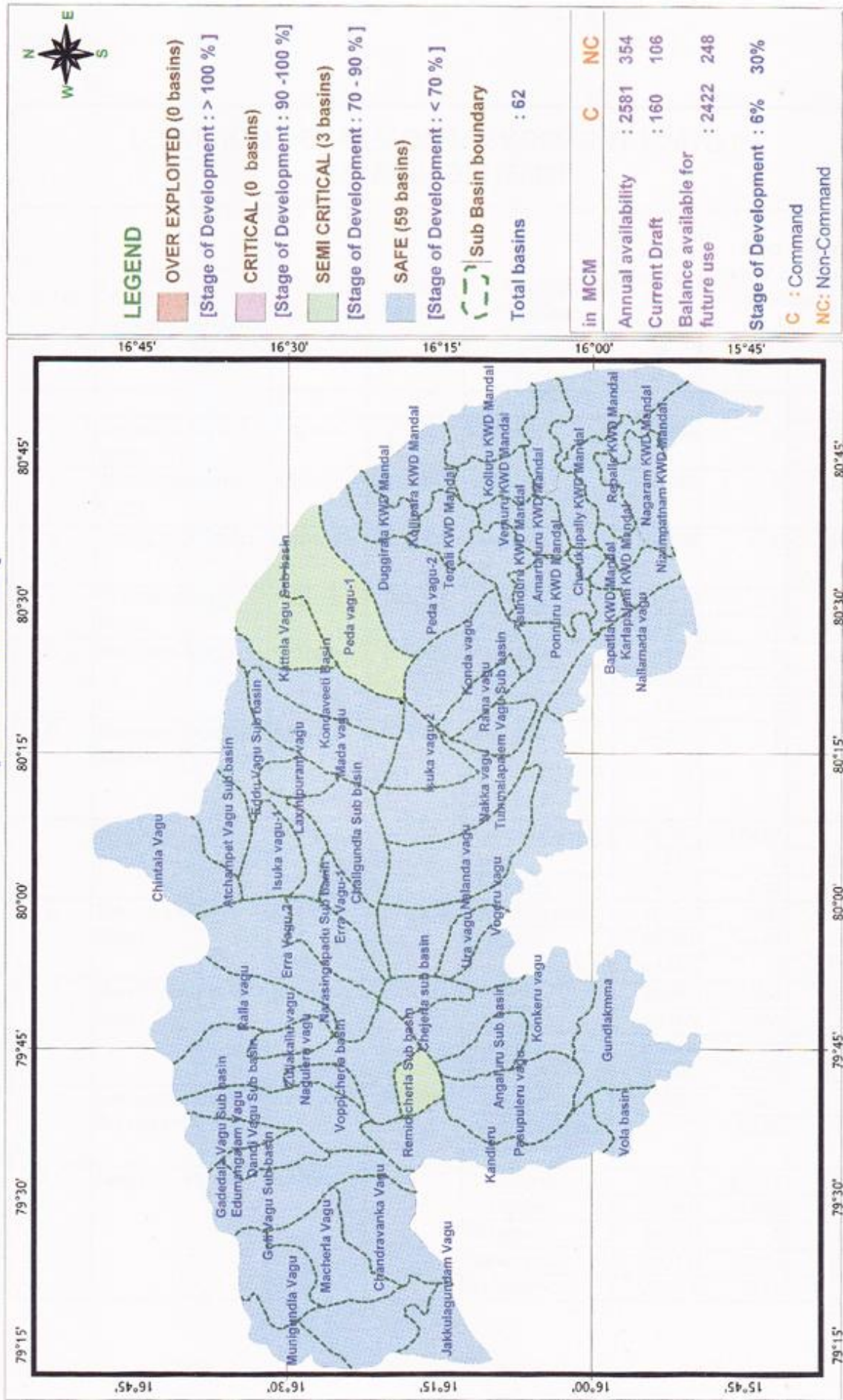
Note: OE = Over exploited, SC = Semi-critical and NA = Not applicable; NC = Non Command, C = Command, Col.no.9 = Col.no.5 + Col.no.7, Col.no.17 = Col.no.5 + Col.no.11 + Col.no.15)

## ASSESSMENT UNIT WISE GROUNDWATER POTENTIAL REPORT IN SALINE AREAS OF KRISHNA DISTRICT

S. No	Name of Assessment unit (Basin/mandal)	Area ha	Net annual groundwater availability ha.m	Current gross annual groundwater draft for all uses ha.m
1	Bantumilli	12530	2146	46
2	Gudlavalleru	12464	8631	21
3	Guduru	12922	2687	46
4	Kaikaluru	16233	4594	37
5	Kalidindi	17815	3529	34
6	Koduru	20128	5879	152
7	Kruthivenu	18094	4706	7
8	Machilipatnam	38813	6808	247
9	Mandavalli	17878	3758	0
10	Mudinepalli	16851	9238	0
11	Nagayalanka	20404	4505	90
12	Nandivada	14731	2875	8
13	Pedana	15084	2715	37
	<b>Total</b>	<b>233947</b>	<b>62071</b>	<b>725</b>

# STATUS OF GROUNDWATER DEVELOPMENT - GUNTUR DISTRICT

[ SUB - BASIN WISE ]







### LOCATION DETAILS OF ASSESSMENT UNITS IN GUNTUR DISTRICT

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Jerrivagu Sub-basin	Krishna	075001	Veldurthi	56283	0	24000
2	Jakkulagundam Vagu	Krishna	075002	Veldurthi	56283	0	11900
3	Munigundla Vagu	Krishna	075003	Macherla	34853	0	10200
4	Chandravanka Vagu	Krishna	075004	Veldurthi	56283	0	5163
				Durgi	41460	0	20837
5	Macherla Vagu	Krishna	075005	Macherla	34853	0	4395
				Veldurthi	56283	0	15220
				Durgi	41460	0	785
6	Nagarjunakonda Sub basin	Krishna	075006	Macherla	34853	0	14200
7	Goli Vagu Sub-basin	Krishna	075007	Rentachintala	16707	10437	0
				Durgi	41460	0	12905
				Macherla	34853	348	5710
8	Edumangalam Vagu	Krishna	075008	Rentachintala	16707	3499	0
				Gurajala	28051	4107	0
				Durgi	41460	0	1794
9	Dandi Vagu Sub basin	Krishna	075009	Gurajala	28051	13554	1656
				Dachepally	28760	300	588
				Karampudi	21018	2989	686
				Durgi	41460	1678	3449
10	Gadedala Vagu Sub basin	Krishna	0750010	Gurajala	28051	7550	0
				Rentachintala	16707	2550	0
11	Naguleru vagu	Krishna	075011	Dachepally	28760	12911	2216
				Gurajala	28051	1405	0
				Bollapalli	59192	0	15128
				Karampudi	21019	3634	1795
				Narasaraopet	23493	1511	

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
12	Zullakallu vagu	Krishna	075012	Dachepally	28760	3124	0
				Piduguralla	29559	239	1000
				Karampudi	21018	2637	0
13	Voppicherla basin	Krishna	075013	Karampudi	21018	4600	1400
14	Remidicherla Sub basin	Krishna	075014	Bollapalli	59192	0	7200
15	Ralla vagu	Krishna	075015	Machavaram	21147	2825	8613
				Karampudi	29559	119	553
				Piduguralla	28760	2890	5537
				Dachepally	21018	2765	5398
16	Erra Vagu-2	Krishna	075016	Piduguralla	29559	1809	9609
				Machavaram	21147	2046	7663
				Bellamkonda	36785	156	5411
				Karampudi	21018	200	2406
17	Narasingapadu Sub basin	Krishna	075017	Nakarekallu	27767	3969	3671
				Rajupalem	10720	1388	1774
				Bellamkonda	36785	415	1578
				Piduguralla	29559	254	751
18	Eddu Vagu Sub basin	Krishna	075018	Amaravathi	20386	1546	9681
				Pedakurapadu	13320	400	700
				Krosuru	16469	936	3854
				Atchampeta	18095	219	2761
				Sathenapalli	25205	701	2040
				Bellamkonda	36785	374	1121
				Rajupalem	10720	513	1954
19	Chintala Vagu	Krishna	075019	Atchampeta	18095	0	3915
				Bellamkonda	36785	0	22985
20	Atchampeta Vagu Sub basin	Krishna	075020	Atchampeta	18095	11200	0
21	Isuka vagu-1	Krishna	075021	Bellamkonda	36785	1342	3402
				Krosuru	16469	11456	0
22	Erra Vagu-1	Krishna	075022	Rajupalem	10720	2930	2051
				Nakarekallu	27767	1664	2155
23	Challgundla Sub basin	Krishna	075023	Sathenapalli	25205	10055	0
				Nakarekallu	27767	4605	0

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
24	Laxmipuram vagu	Krishna	075024	Muppalla	12798	8140	0
				Pedakurapadu	13320	1913	0
				Sathenapalli	25205	5064	0
				Krosuru	16469	223	0
25	Konda veeti Basin	Krishna	075025	Amaravathi	20386	760	4513
				Thullur	19509	425	558
				Tadikonda	19723	500	4742
				Medikondur	13369	1909	4462
26	Mada vagu	Krishna	075026	Phyrangipuram	13532	553	1078
				Sathenapalli	25205	3156	2951
				Pedakurapadu	13320	1802	8504
				Amaravathi	20386	418	2275
27	Kattela Vagu Sub basin	Krishna	075027	Medikondur	13369	1375	3156
				Phyrangipuram	13532	156	707
				Amaravathi	20386	20	1174
				Thullur	19509	2729	15313
28	Peda vagu1	Krishna	075028	Tadikonda	19723	68	1896
				Thullur	19509	0	484
				Tadepalli	6342	664	2626
				Mangalagiri	14289	2307	5885
				Pedakakani	11647	29	683
				Tadikonda	19723	982	11535
29	Kandleru	Gundla kamma	075029	Guntur	20401	576	6362
				Medikondur	13369	317	1350
30	Gundla kamma	Gundlaka mma	075030	Bollapalli	59192	428	17214
				Vinukonda	27067	1793	2965
31	Vola basin	Gundlaka mma	075031	Nuzendla	32834	9168	15866
				Vinukonda	27067	1938	1128
32	Pasupu leru vagu	Gundlaka mma	075032	Nuzendla	32834	750	6950
				Bollapalli	59192	1602	14060
33	Angaluru Sub basin	Gundlaka mma	075033	Vinukonda	27067	2428	9610
				Bollapalli	59192	91	1469
				Ipur	20479	3716	3949
34	Konkeru vagu	Gundla kamma	075034	Piduguralla	29559	0	1575
				Ipur	20479	5948	2328
				Vinukonda	27067	490	6713
				Savalyapuram	16764	4916	7705

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				Piduguralla	29559	0	3000
35	Chejerla sub basin	Gundla kamma	075035	Ipur	20479	1188	3035
				Rompicherla	22829	263	890
				Nakarekallu	27767	152	1172
				Piduguralla	29559	0	2900
36	Vogeru vagu	Vogeru Vogu	075036	Rompicherla	22829	5762	4369
				Chilakaluripeta	17638	985	11480
				Nakarekallu	27767	3221	3075
				Pedanandipadu	16625	0	2374
				Narasaraopet	23493	938	1596
37	Boddula Vagu	Vogeru Vogu	075037	Savalyapuram	16764	1812	2333
				Rompicherla	22829	2885	1460
				Ipur	20479	27	283
38	Ura vagu	Vogeru Vogu	075038	Rompicherla	22829	5784	1416
39	Nalanda vagu	Vogeru Vogu	075039	Narasaraopet	23493	10194	8706
				Chilakaluripeta	17238	644	4529
				Nadendia	16734	1725	2009
				Nakarekallu	27767	2415	1778
40	Nalla mada vagu	Vogeru Vogu	075040	Pedanandipadu	16625	797	0
				Kakumanu	17758	2297	0
				Bapatla	27767	19206	3400
41	Nakka vagu	Vogeru Vogu	075041	Muppalla	12798	4687	0
				Sathenapalli	25205	1210	0
				Phyrangipuram	13532	3234	0
				Narasaraopet	23493	548	0
				Nadendla	16734	10346	0
				Edlapadu	12754	4138	0
				Pedanandipadu	16625	10432	0
				Kakumanu	17758	13436	0
				Prathipadu	13296	569	0
42	Isuka vagu 2	Vogeru Vogu	075042	Phyrangipuram	13533	7604	0
				Edlapadu	12754	4042	0
				Nadendla	16734	2654	0
43	Tummalapalem Vagu Sub basin	Vogeru Vogu	075043	Pedanandipadu	16625	2760	0
				Edlapadu	12754	4574	0
				Prathipadu	13296	1866	0
44	Rama vagu	Vogeru	075044	Prathipadu	13296	8838	0

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
		Vogu		Pedanandipadu	16625	262	0
				Kakumanu	17758	500	0
45	Konda vagu	Voguru Vogu	075045	Guntur	20401	551	7817
				Chebrolu	13418	1911	1727
				Vatticherukuru	12367	6240	5506
				Prathipadu	13296	641	1382
				Kakumanu	17758	1421	104
46	Peda vagu2	Voguru Vogu	075046	Tadepalli	6342	834	2218
				Mangalagiri	14289	3588	2509
				Guntur	20401	0	5094
				Pedakakani	11647	5651	5284
				Duggirala	13361	3609	590
				Tenali	13032	2352	570
				Chebrolu	13418	5365	4415
				Vatticherukuru	12367	305	316
47	Cherukupally KWD Mandal	Krishna W.D	075047	Cherukupally	10393		10393
48	Bhattiprolu KWD Mandal	Krishna W.D	075048	Bhattiprolu	11274		11274
49	Kolluru KWD Mandal	Krishna W.D	075049	Kollur	10844		10844
50	Kollipara KWD Mandal	Krishna W.D	075050	Kollipara	12223		12223
51	Vemuru KWD Mandal	Krishna W.D	075051	Vemuru	11218		11218
52	Karlapalem KWD Mandal	Krishna W.D	075052	Karlapalem	13600		13600
53	PVPalem KWD Mandal	Krishna W.D	075053	Pittalavanipalem	7700		7700

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
54	Tsunduru KWD Mandal	Krishna W.D	075054	Tsunduru	10483		10483
55	Tenali KWD Mandal	Krishna W.D	075055	Tenali	10110		10110
56	Repalle KWD Mandal	Krishna W.D	075056	Repalle	23260		23260
57	Nagaram KWD Mandal	Krishna W.D	075057	Nagaram	14932		14932
58	Nizampatnam KWD Mandal	Krishna W.D	075058	Nizampatnam	20466		20466
59	Ponnuru KWD Mandal	Krishna W.D	075059	Ponnuru	18275		18275
60	Amartaluru KWD Mandal	Krishna W.D	075060	Amartaluru	12891		12891
61	Bapatla KWD Mandal	Krishna W.D	075061	Bapatla	27745		5139
62	Duggirala KWD Mandal	Krishna W.D	075062	Duggirala	14491		10292

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
GUNTUR DISTRICT**

S.No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Jerrivagu Sub-basin	0	14000	0	790	0	273	0	517	0	260	0	13	0	52	0	477	NA	35	NA	Safe
2	Jakkulagundam Vagu	0	6400	0	315	0	3	0	312	0	0	0	3	0	4	0	311	NA	1	NA	Safe
3	Munigundla Vagu	0	6200	0	221	0	0	0	221	0	0	0	0	0	0	0	221	NA	0	NA	Safe
4	Chandravanka Vagu	0	19500	0	1223	0	690	0	532	0	649	0	41	0	100	0	473	NA	56	NA	Safe
5	Macheria Vagu	1350	18400	675	1106	71	638	604	467	58	534	13	105	17	361	600	212	11	58	Safe	Safe
6	Nagarjunakonda Sub basin	3853	8847	1927	443	41	242	1855	201	32	210	9	33	37	132	1858	102	2	55	Safe	Safe
7	Goll Vagu Sub-basin	10052	16948	5026	1002	145	308	4881	693	73	247	71	61	134	117	4819	637	3	31	Safe	Safe
8	Edumangalam Vagu	7406	1794	3703	107	86	45	3617	62	35	29	51	16	102	19	3566	59	2	42	Safe	Safe
9	Dandi Vagu Sub basin	18521	4879	9261	231	708	61	8555	170	600	60	106	1	272	48	8388	123	8	27	Safe	Safe
10	Gadedaia Vagu Sub basin	9500	0	4346	0	116	0	4231	0	90	0	25	0	37	0	4219	0	3	NA	Safe	NA
11	Naguleru vagu	19011	14589	9508	1072	160	509	9346	563	80	489	80	20	226	89	9199	495	2	47	Safe	Safe
12	Zullakailu vagu	6000	1000	3000	86	25	22	2975	44	14	9	11	13	31	44	2955	13	1	34	Safe	Safe
13	Voppicherla basin	4600	600	2300	37	53	1	2247	36	40	1	13	0	42	0	2217	36	2	3	Safe	Safe
14	Remidicherla Sub basin	0	6200	0	368	0	311	0	57	0	293	0	19	0	42	0	34	NA	85	NA	SC



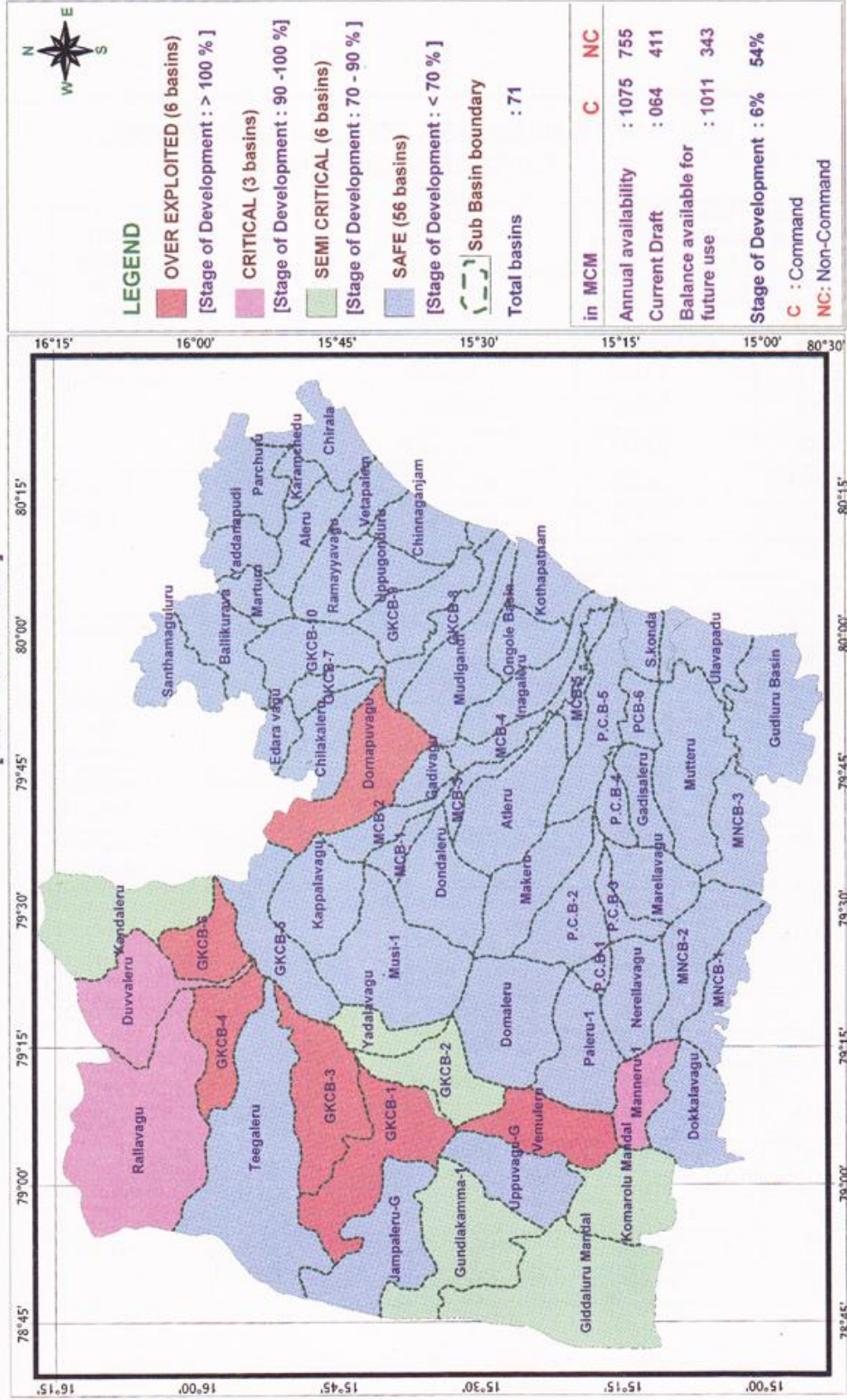
S.No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
15	Rallia vagu	8599	19451	4300	1391	628	78	3672	1313	624	76	3	2	202	2	3473	1313	15	6	Safe	Safe
16	Erra Vagu-2	4211	22889	2106	1183	92	339	2013	845	82	320	10	18	239	22	1784	841	4	29	Safe	Safe
17	Narasingapadu Sub basin	5526	5474	2763	353	49	26	2714	327	24	25	24	2	97	2	2642	326	2	7	Safe	Safe
18	Eddu Vagu Sub basin	4689	21611	2345	1206	162	380	2183	826	116	378	45	2	216	3	2012	825	7	32	Safe	Safe
19	Chintala Vagu	0	10200	0	555	0	93	0	462	0	87	0	6	0	30	0	438	NA	17	NA	Safe
20	Aichampet Vagu Sub basin	9500	0	4750	0	355	0	4395	0	318	0	37	0	155	0	4277	0	7	NA	Safe	NA
21	Isuka vagu-1	12798	2502	6399	148	95	41	6304	107	61	28	33	13	129	98	6208	22	1	28	Safe	Safe
22	Erra Vagu-1	4594	2506	2297	152	29	88	2268	63	0	88	29	0	73	4	2224	59	1	58	Safe	Safe
23	Chalgundia Sub basin	22800	0	11400	0	171	0	11229	0	87	0	84	0	378	0	10935	0	2	NA	Safe	NA
24	Laxmipuram vagu	7200	0	3600	0	81	0	3519	0	49	0	31	0	75	0	3475	0	2	NA	Safe	NA
25	Kondaveeti Basin	4147	16053	2074	1361	146	409	1927	952	130	397	16	13	263	15	1681	949	7	30	Safe	Safe
26	Mada vagu	6907	17393	3454	1237	70	90	3383	1146	37	82	34	9	304	10	3113	1144	2	7	Safe	Safe
27	Kattela Vagu Sub basin	2817	18083	1108	1645	24	1236	1084	409	15	1212	9	24	218	29	875	404	2	75	Safe	SC
28	Peda vagu1	4875	28525	2438	1458	39	1047	2399	411	17	981	22	66	758	79	1663	398	2	72	Safe	SC
29	Kandleru	2221	20179	1111	601	5	157	1105	444	0	129	5	28	9	127	1101	345	0	26	Safe	Safe
30	Gundlakmma	11106	16894	5553	786	87	106	5466	679	61	76	26	30	58	184	5434	525	2	14	Safe	Safe
31	Vola basin	750	6950	375	438	4	58	371	379	4	58	0	0	0	74	371	306	1	13	Safe	Safe

S.No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
32	Pasupuleru vagu	4030	19970	2015	939	47	248	1968	692	43	208	4	40	29	210	1943	521	2	26	Safe	Safe
33	Angaluru Sub basin	3807	5893	1904	180	14	54	1890	127	14	38	0	16	0	101	1890	42	1	30	Safe	Safe
34	Konkeru vagu	11354	18146	5677	894	97	230	5580	665	44	180	52	49	128	359	5505	356	2	26	Safe	Safe
35	Chejerla sub basin	1603	6997	802	216	41	43	761	173	29	36	12	7	29	56	743	125	5	20	Safe	Safe
36	Vogeru vagu	10606	22894	5303	1140	193	112	5110	1028	133	110	61	2	244	36	4926	994	4	10	Safe	Safe
37	Boddula Vagu	4724	4076	2362	195	56	31	2306	164	40	31	17	0	72	0	2250	164	2	16	Safe	Safe
38	Ura vagu	5784	1416	2892	63	40	21	2852	43	16	21	24	0	59	0	2817	43	1	33	Safe	Safe
39	Nalanda vagu	14978	16622	7489	931	215	216	7274	715	100	205	115	11	263	126	7125	600	3	23	Safe	Safe
40	Nallamada vagu	22300	3400	11150	340	847	0	10303	340	834	0	12	0	173	0	10142	340	8	0	Safe	Safe
41	Nakka vagu	48300	0	24150	0	235	0	23915	0	128	0	107	0	571	0	23451	0	1	NA	Safe	NA
42	Isuka vagu 2	13850	0	6925	0	180	0	6745	0	137	0	44	0	153	0	6636	0	3	NA	Safe	NA
43	Tummalapalem Vagu Sub basin	8900	0	4288	0	63	0	4224	0	33	0	30	0	94	0	4160	0	1	NA	Safe	NA
44	Rama vagu	9000	0	1544	0	113	0	1431	0	33	0	80	0	100	0	1411	0	7	NA	Safe	NA
45	Konda vagu	10764	15736	5382	1752	20	104	5362	1648	18	83	2	21	63	586	5302	1082	0	6	Safe	Safe
46	Peda vagu 2	21704	20996	10852	1501	1632	567	9220	934	1334	506	298	61	367	2903	9151	0	15	38	Safe	Safe
47	Cherukupally KWD Mandal	7649	2744	3825	331	885	87	2936	244	253	87	635	0	762	0	2809	244	23	26	Safe	Safe
48	Bhattiprolu KWD Mandal	7992	3282	3996	421	2869	273	1127	148	0	273	2869	0	3443	0	553	148	72	65	SC	Safe

S.No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
49	Kolluru KWD Mandal	7074	3770	3537	782	276	217	3261	565	0	173	276	44	331	53	3206	557	8	28	Safe	Safe	
50	Kollipara KWD Mandal	6990	5233	3495	654	272	301	3223	353	16	301	256	0	307	0	3171	353	8	46	Safe	Safe	
51	Vemuru KWD Mandal	9212	2006	4606	261	428	104	4178	157	246	104	182	0	218	0	4142	157	9	40	Safe	Safe	
52	Karlapelem KWD Mandal	6921	6679	3461	635	86	55	3374	580	29	7	58	48	169	58	3263	570	2	9	Safe	Safe	
53	PV Palem KWD Mandal	4295	3405	2148	305	336	0	1811	305	225	0	111	0	136	0	1786	305	16	0	Safe	Safe	
54	Tsundururu KWD Mandal	10483	0	5242	0	537	0	4704	0	340	0	197	0	237	0	4665	0	10	NA	Safe	NA	
55	Tenali KWD Mandal	10110	0	5055	0	763	0	4292	0	528	0	235	0	674	0	3853	0	15	NA	Safe	NA	
56	Repalle KWD Mandal	12228	11032	6114	1308	177	0	5937	1308	66	0	110	0	273	0	5774	1308	3	0	Safe	Safe	
57	Nagaram KWD Mandal	12131	2801	6066	303	497	0	5568	303	139	0	358	0	429	0	5497	303	8	0	Safe	safe	
58	Nizampatnam KWD Mandal	9975	10491	4988	1163	59	0	4928	1163	12	0	47	0	202	0	4773	1163	1	0	Safe	Safe	
59	Ponnuru KWD Mandal	12745	5530	6373	638	965	263	5408	374	228	149	737	114	885	137	5260	351	15	41	Safe	Safe	
60	Amataluru KWD Mandal	10765	2126	5383	302	239	142	5144	159	0	142	239	0	266	0	5096	159	4	47	Safe	Safe	
61	Bapatla KWD Mandal	3483	1656	1742	187	194	49	1548	138	14	49	179	0	215	0	1512	138	11	26	Safe	Safe	
62	Duggirala KWD Mandal	7145	3147	3573	491	150	216	3423	275	0	216	150	0	158	0	3414	275	4	44	Safe	Safe	
	District Total	523935	528115	256145	35429	15968	10588	242177	24841	7682	9636	8286	952	15146	6311	235317	19481	6	30	Safe	Safe	
	Total [NC + C]	1052050	293574	26556	267018	17318	9238	21457	254798	Safe = 59	SC = 3	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0	NC = 0
	ABSTRACT	Total assessment units = 62																				

Note: OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC = Non Command; C = Command; Col.no.3 = Col.no.5 + Col.no.7; Col.no.17 = Col.no.5 + (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT - PRAKASAM DISTRICT [ SUB - BASIN WISE ]





**LOCATION DETAILS OF ASSESSMENT UNITS IN  
PRAKASAM DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Nerellavagu	Paleru	086001	Kanigiri	54815		17703
				C.S.Puram	32066		2705
				Pamuru	41801		2254
2	Paleru-1	Paleru	086002	Veligandla	32052		28020
3	PCB-6	Paleru	086003	Ponnaluru	28929		1112
				Kandukuru	23066		7972
				Jarugumalli	18454		2959
4	Duvvaleru	Gundlakamma	085704	Pullalacheruvu	43271		26181
				Tripurantakam	25648		1153
5	Singaraya konda Mandal	Paleru	086005	Singarayakonda	11091		9817
6	Giddaluru Mandal	Sagileru	085806	Giddaluru	76875		74446
7	Komarolu Mandal	Sagileru	085807	KOMAROLU	67901		46344
8	Atleru	Musi	085908	Marripudi	37779		26346
				Kondepi	21186		11581
9	Dokkala vagu	Manneru	086109	C.S.Puram	32066		15123
10	Domaleru	Paleru	086010	Veligandla	32052		756
				H.M.Padu	41943		41943
				K.K.Mitla	42516		1997
11	Dondaleru	Musi	085911	Podili	29284		18918
				K.K.Mitla	42516		10477
12	Gadisaleru	Paleru	086012	Ponnaluru	28929		12514
13	GKCB-1	Gundlakamma	085713	Markapuram	30968		8659
				Cumbum	15523		7693

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				Arthaveedu	23377		6483
14	GKCB-2	Gundla kamma	085714	Cumbum	15523		1038
				B.Pet	20599		4572
				Tarlupadu	26826		12350
				Markapuram	30968		157
15	GKCB-3	Gundla kamma	085715	Markapuram	30968		10953
				Peddaraveedu	26893		16352
16	Gudluru Basin	Manneru	086116	Gudluru	15523		25968
				Lingasamudram	67082		6346
17	Gundla kamma-1	Gundla kamma	085717	Cumbum	23377		5576
				Racherla	76875		45780
				Arthaveedu	11598		2937
				Giddaluru	7410		1819
18	Jampaleru-G	Gundla kamma	085718	Arthaveedu	54815		13957
				Dornala	28929		37500
19	Makeru	Paleru	086019	Kanigiri	37779		19282
				Ponnaluru	42516		878
				Marripudi	1658		1297
				K.K.Mitia	1209		1997
20	Manneru-1	Manneru	086120	C.S.Puram	32066		5510
21	Marella vagu	Paleru	086021	P.C.Palli	35479		23775
22	MCB-1	Musi	085922	Podili	29284		5381
23	MCB-3	Musi	085923	Podili	29284		4476
				Marripudi	37779		1411
				Kondepi	21186		2120
24	MNCB-1	Manneru	086124	C.S.Puram	32066		4224
				Pamuru	41801		20185
25	MNCB-2	Manneru	086125	C.S.Puram	32066		4464
				Pamuru	41801		17056

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				P.C.Palli	35479		3972
26	MNCB-3	Manneru	086126	V.V.Palem	23142		6556
				Lingasamudram	22065		15719
				Pamuru	41801		2306
27	Musi-1	Musi	085927	Podili	29284		509
				K.K.Mitla	42516		28045
				Tarlupadu	26286		8898
				Markapuram	30968		2785
				Donakonda	39070		6171
				Darsi	36536		271
28	Mutteru	Manneru	086128	V.V.Palem	23142		16702
				Ponnaluru	28929		4085
				Jarugumalli	18454		1063
				Kandukuru	23066		14634
				Singarayakonda	11091		1274
				Ulavapadu	18660		1138
29	P.C.B-3	Paleru	086029	P.C.Palli	35479		5819
30	P.C.B-4	Paleru	086030	Ponnaluru	28929		8656
31	P.C.B-1	Paleru	086031	Veligandla	32056		2581
				Kanigiri	54815		759
32	P.C.B-2	Paleru	086032	Kanigiri	54815		17061
				P.C.Palli	35479		1913
				Veligandla	32052		1684
				Ponnaluru	28929		487
33	P.C.B-5	Paleru	086033	Marripudi	37779		8725
				Kandukuru	23066		460
				Jarugumalli	18454		13293
				Tanguturu	20604		2499
				Kondepi	21186		1755



S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
34	Ralla vagu	Gundla kamma	085734	Y.Palem	83152		45078
35	Teegaleru	Gundla kamma	085735	Tripurantakam	25648		1719
				Peddaraveedu	26893		10541
				Y.Palem	83152		1778
				Dornala	143797		106296
36	Ulava padu Mandal	Manneru	086136	Ulavapadu	67082		17522
37	Uppu vagu-G	Gundla kamma	085737	Racherla	67901		21300
					20599		4077
				B.Pet	15523		3897
				Cumbum	76875		1216
				Giddaluru	5914		610
38	Vemuleru	Gundla kamma	085738	B.Pet	20598		12130
				Komarolu	67901		17480
39	Yadala vagu	Gundla kamma	085739	Markapuram	30968		8414
				Tarlupadu	26826		5578
40	Vetapalem Mandal	Romperu	085640	Vetapalem	8915	2000	6915
41	Chilaka Ieru	Gundla kamma	085741	Addanki	25216	1099	0
				Mundlamuru	39732	22025	0
				Darsi	54611	301	0
				Tallur	23017	2186	0
42	Aleru	Gundla kamma	085742	Martur	18155	1560	0
				Inkollu	14387	3979	567
				Chinnaganjam	17188	1068	0
43	Dornapu vagu	Gundla kamma	085743	Tallur	19417	12892	101
				Darsi	36536	10746	0
44	Edara vagu	Gundla kamma	085744	Mundlamuru	33442	8112	0
45	GKCB-10	Gundla	085745	Korisapadu	14964	0	8094

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
		kamma		Maddipadu	16839	2579	493
				Naguluppalapadu	25397	7641	2745
46	GKCB-4	Gundla kamma	085746	Y.Palem	83152	0	36296
				Tripurantakam	25648	3098	127
47	GKCB-5	Gundla kamma	085747	Donakonda	39070	5797	11006
				Kurichedu	29428	8587	2171
48	GKCB-7	Gundla kamma	085748	Addanki	25799	5444	0
				Mundlamuru	33442	3305	0
49	GKCB-8	Gundla kamma	085749	Maddipadu	16839	3455	3608
				Naguluppalapadu	25397	0	1207
				Ongole	19877	0	5707
				Tallur	19417	1180	0
				Addanki	25759	0	1682
50	GKCB-9	Gundla kamma	085750	Ballikurava	22218	6181	0
				Addanki	25759	17554	0
				Martur	18155	1988	0
				J.Panguluru	16842	894	0
51	Kanda Ieru	Gundla kamma	085751	Pullalacheruvu	43271	5734	11356
				Tripurantakam	25648	5473	0
52	Kothapatnam Mandal	Gundla kamma	085752	Kothapatnam	16483	1981	14502
53	Mudigandi	Gundla kamma	085753	Cheemakurthy	25153	9806	1435
				Maddipadu	16839	5469	1235
				S.N.Padu	21212	13016	0
				Ongole	19877	0	4802
54	Ramayya vagu	Gundla kamma	085754	J.Panguluru	16842	15286	0
				Inkollu	14387	5185	0
				Naguluppalapadu	25397	1587	0
				Chinnaganjam	14964	1085	0
				Korisapadu	17188	951	0

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
55	Uppugonduru	Gundlakamma	085755	Korisapadu	14964	0	5919
				Inkollu	14387	0	1700
				J.Panguluru	16842	0	662
				Naguluppalapadu	25397	2889	8640
56	Yaddanapudi	Gundlakamma	085756	Yaddanapudi	10570	10570	0
				Inkollu	14387	3523	0
57	Gadivagu	Musii	085957	Cheemakurthy	25153	1862	0
				Darsi	36536	867	0
				Tallur	19417	4943	0
58	Inagaleru	Musii	085958	Tanguturu	20604	1145	4467
				S.N.Padu	21212	3709	0
				Cheemakurthy	25153	4643	0
59	Kappalavagu	Musii	085959	Donakonda	39070	0	16096
				Kurichedu	29428	100	18560
				Darsi	36536	0	10505
60	MCB-2	Musii	085960	Darsi	36536	12242	0
				Cheemakurthy	25153	534	0
61	MCB-4	Musii	085961	Cheemakurthy	25153	6873	0
				S.N.Padu	21212	3423	0
				Tanguturu	20604	4529	0
62	MCB-5	MUSI	085962	Kondepi	21186	0	5730
				Jarugumalli	18454	0	1138
				Tanguturu	20604	2632	2130
63	Chinnaganjam	Romperu	085663	Chinnaganjam	17188	11090	3945
64	Chirala	Romperu	085664	Chirala	10021	10021	0
65	Karamchedu	Romperu	085665	Karamchedu	16217	16217	0

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
66	Ballikurava	Gundlakamma	085766	Ballikurava	22218	16037	0
67	Marturu	Gundlakamma	085767	Martur	18155	14617	
68	Parchuru	Gundlakamma	085768	Parchuru	22313	22313	0
69	Santhamaguluru	Gundlakamma	085769	Santhamaguluru	20882	20882	0
70	Ongole Basin	Gundlakamma	085770	Ongole	19877	9368	0
				Tanguturu	20604	3202	0
				S.N.Padu	21212	1064	0
71	GKCB-6	Gundlakamma	085771	Tripurantakam	25648	9658	4400

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
PRAKASAM DISTRICT**

S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Nerellavagu	0	20912	0	1548	0	471	0	1078	0	458	0	13	0	56	0	1035	NA	30	NA	Safe
2	Paleru-1	0	20622	0	1904	0	833	0	1071	0	813	0	21	0	87	0	1005	NA	44	NA	Safe
3	PCB-6	0	12043	0	865	0	423	0	442	0	406	0	17	0	81	0	378	NA	49	NA	Safe
4	Duvvaleru	0	12943	0	806	0	736	0	70	0	715	0	21	0	75	0	16	NA	91	NA	Critical
5	Singarayakonda Mandal	0	9817	0	639	0	85	0	554	0	49	0	36	0	187	0	403	NA	13	NA	Safe
6	Giddaluru Mandal	0	44567	0	1595	0	1284	0	312	0	1235	0	49	0	267	0	94	NA	80	NA	SC
7	Komarolu Mandal	0	30782	0	1231	0	942	0	289	0	917	0	25	0	120	0	194	NA	77	NA	SC
8	Alleru	0	36927	0	3238	0	1322	0	1917	0	1281	0	41	0	148	0	1809	NA	41	NA	Safe
9	Dokkalavagu	0	15123	0	1246	0	758	0	488	0	741	0	17	0	67	0	439	NA	61	NA	Safe
10	Domaleru	0	32511	0	2539	0	1726	0	813	0	1687	0	39	0	120	0	731	NA	68	NA	Safe
11	Dondaleru	0	27995	0	2581	0	1744	0	837	0	1691	0	53	0	190	0	700	NA	68	NA	Safe
12	Gadisaleru	0	11814	0	669	0	123	0	546	0	109	0	14	0	52	0	508	NA	18	NA	Safe
13	GKCB-1	0	15804	0	1000	0	1032	0	0	0	981	0	51	0	172	0	0	NA	103	NA	OE
14	GKCB-2	0	17116	0	947	0	835	0	111	0	811	0	24	0	86	0	50	NA	88	NA	SC
15	GKCB-3	0	20054	0	1456	0	1654	0	0	0	1612	0	42	0	112	0	0	NA	114	NA	OE
16	Gudluru Basin	0	32314	0	4075	0	1955	0	2120	0	1913	0	42	0	181	0	1981	NA	48	NA	Safe

S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
17	Gundlakamma-1	0	28491	0	1313	0	1123	0	191	0	1091	0	31	0	125	0	97	NA	85	NA	SC
18	Jampaleru-G	0	21150	0	1172	0	749	0	423	0	715	0	34	0	89	0	368	NA	64	NA	Safe
19	Makeru	0	19919	0	1512	0	647	0	864	0	629	0	18	0	62	0	821	NA	43	NA	Safe
20	Manneru-1	0	3598	0	275	0	248	0	27	0	240	0	8	0	37	0	0	NA	90	NA	Critical
21	Marellavagu	0	21675	0	1925	0	793	0	1131	0	778	0	15	0	63	0	1084	NA	41	NA	Safe
22	MCB-1	0	5381	0	398	0	265	0	132	0	261	0	4	0	15	0	122	NA	67	NA	Safe
23	MCB-3	0	8007	0	568	0	307	0	261	0	291	0	15	0	50	0	226	NA	54	NA	Safe
24	MNCB-1	0	24209	0	1927	0	818	0	1109	0	784	0	34	0	140	0	1002	NA	42	NA	Safe
25	MNCB-2	0	23092	0	1947	0	882	0	1065	0	857	0	25	0	90	0	1000	NA	45	NA	Safe
26	MNCB-3	0	21781	0	1967	0	904	0	1063	0	880	0	24	0	91	0	995	NA	46	NA	Safe
27	Musi-1	0	42622	0	3610	0	1701	0	1909	0	1645	0	55	0	158	0	1807	NA	47	NA	Safe
28	Multeru	0	38396	0	4085	0	2085	0	2000	0	2016	0	69	0	384	0	1686	NA	51	NA	Safe
29	P.C.B-3	0	4194	0	360	0	118	0	232	0	107	0	11	0	31	0	212	NA	34	NA	Safe
30	P.C.B-4	0	8656	0	748	0	214	0	534	0	203	0	10	0	32	0	512	NA	29	NA	Safe
31	P.C.B-1	0	3340	0	253	0	130	0	123	0	125	0	5	0	13	0	115	NA	51	NA	Safe
32	P.C.B-2	0	19945	0	1508	0	479	0	1029	0	431	0	48	0	158	0	919	NA	32	NA	Safe
33	P.C.B-5	0	26732	0	2438	0	700	0	1738	0	642	0	59	0	257	0	1540	NA	29	NA	Safe

S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
34	Rallavagu	0	16773	0	2523	0	2286	0	236	0	2254	0	32	0	92	0	176	0	176	91	NA	Critical
35	Teegaleru	0	54639	0	2845	0	1938	0	907	0	1880	0	58	0	209	0	756	0	756	68	NA	Safe
36	Ulavapadu Mandal	0	17522	0	1016	0	533	0	484	0	499	0	33	0	161	0	356	0	356	52	NA	Safe
37	Uppuvagu-G	0	21421	0	1684	0	1127	0	557	0	1095	0	32	0	137	0	452	0	452	67	NA	Safe
38	Vemuleru	0	13400	0	941	0	1581	0	0	0	1545	0	36	0	54	0	0	0	0	168	NA	OE
39	Yadalavagu	0	12717	0	464	0	379	0	85	0	332	0	47	0	229	0	0	0	0	82	NA	SC
40	Velapalem Mandal	2000	6915	1000	595	0	111	1000	484	0	55	0	55	0	422	1000	118	0	118	0	19	Safe
41	Chilakaleru	25211	0	3756	0	227	0	3530	0	176	0	50	0	151	0	3429	0	6	6	NA	NA	
42	Aleru	6607	0	1738	0	53	0	1685	0	40	0	13	0	40	0	1658	0	3	3	NA	NA	
43	Dornapuvagu	23638	101	5793	18	1179	36	4614	0	1117	35	62	1	226	5	4450	0	20	20	199	Safe	
44	Edara vagu	8112	0	1249	0	73	0	1176	0	57	0	16	0	32	0	1160	0	6	6	NA	NA	
45	GKCB-10	10220	11332	1206	1022	35	283	1171	739	6	262	29	21	92	113	1108	647	3	3	28	Safe	
46	GKCB-4	3098	17476	1549	1112	22	1922	1527	0	9	1905	12	17	33	156	1507	0	1	1	172	Safe	
47	GKCB-5	13766	11805	1913	708	124	260	1790	449	110	248	14	12	55	94	1748	367	6	6	37	Safe	
48	GKCB-7	8749	0	1155	0	105	0	1050	0	87	0	17	0	44	0	1024	0	9	9	NA	NA	
49	GKCB-8	4635	12204	2318	1123	264	134	2053	989	246	110	19	24	37	183	2035	830	11	11	12	Safe	
50	GKCB-9	25939	0	6926	0	623	0	6303	0	545	0	78	0	182	0	6199	0	9	9	NA	NA	

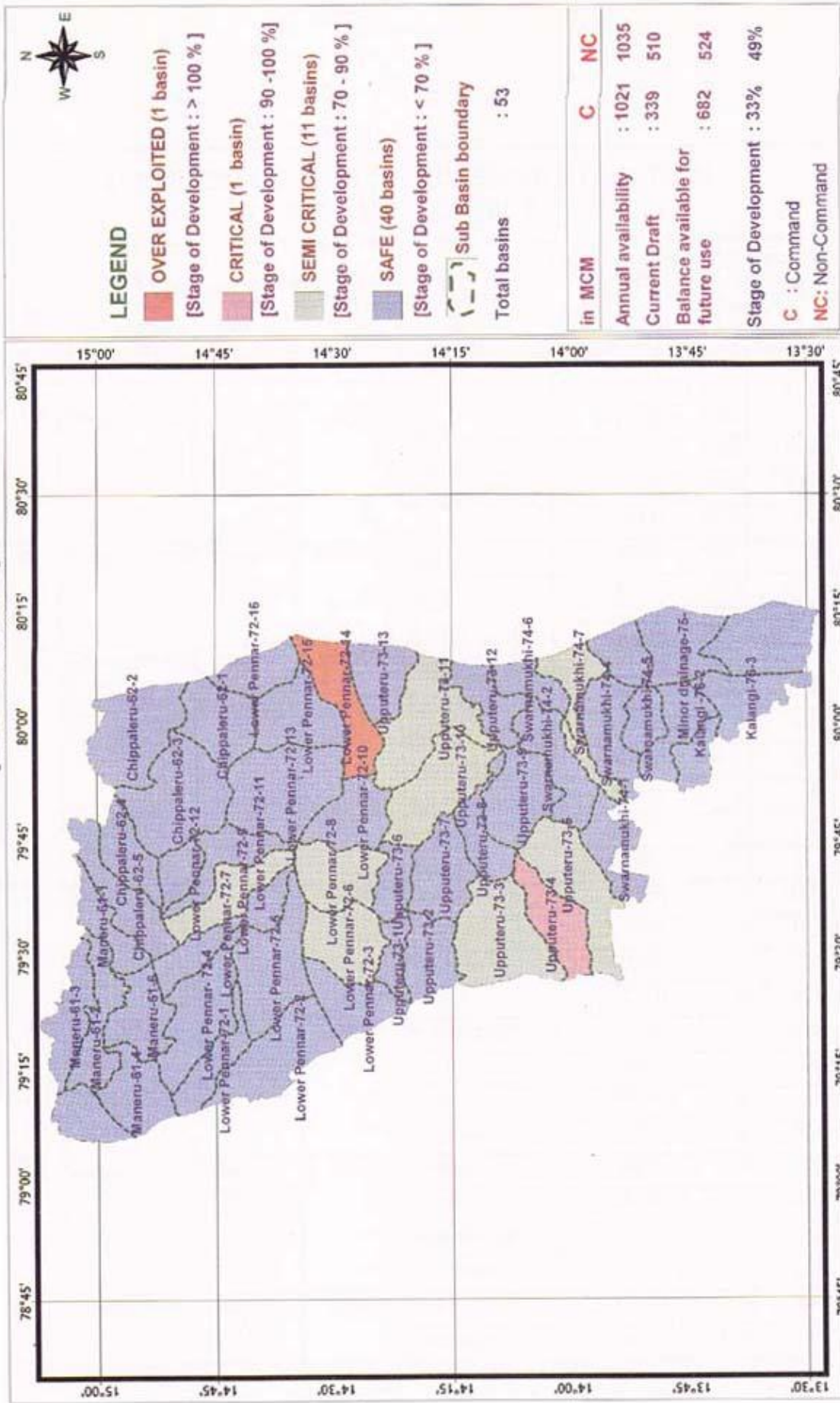
S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
51	Kandaleru	11207	11356	2062	500	134	443	1928	57	123	409	11	34	56	193	1883	0	7	89	Safe	SC
52	Kothapatnam Mandal	1981	14502	228	1508	4	914	224	595	0	870	4	44	8	319	220	319	2	61	Safe	Safe
53	Mudigandi	28291	7472	14146	628	481	60	13665	568	396	37	85	22	311	172	13438	418	3	10	Safe	Safe
54	Ramayyavagu	24094	0	4481	0	217	0	4265	0	145	0	72	0	313	0	4024	0	5	NA	Safe	NA
55	Uppugonduru	2889	16921	1445	1303	46	186	1398	1117	32	152	14	34	55	203	1358	948	3	14	Safe	Safe
56	Yaddanapudi	14093	0	2509	0	85	0	2424	0	42	0	42	0	141	0	2325	0	3	NA	Safe	NA
57	Gadivagu	7672	0	1112	0	153	0	959	0	138	0	15	0	46	0	928	0	14	NA	Safe	NA
58	Inagaleru	9397	4267	4699	393	150	85	4548	307	132	68	19	17	47	81	4520	243	3	22	Safe	Safe
59	Kappelavagu	100	43791	28	3416	0	482	28	2934	0	394	0	88	0	350	28	2671	0	14	Safe	Safe
60	MCB-2	12276	0	6138	0	98	0	6040	0	86	0	12	0	37	0	6015	0	2	NA	Safe	NA
61	MCB-4	14425	0	4068	0	216	0	3851	0	173	0	43	0	115	0	3779	0	5	NA	Safe	NA
62	MCB-5	2632	8998	595	780	29	36	566	744	8	21	21	15	95	81	492	678	5	5	Safe	Safe
63	Chinnaganjam	11090	3945	3294	331	33	0	3260	331	11	0	22	0	78	0	3205	331	1	0	Safe	Safe
64	Chirala	10021	0	3096	0	220	0	2876	0	70	0	150	0	541	0	2485	0	7	NA	Safe	NA
65	Karamchedu	16217	0	3000	0	49	0	2951	0	0	0	49	0	162	0	2838	0	2	NA	Safe	NA
66	Ballikurava	16037	0	1780	0	481	0	1299	0	449	0	32	0	128	0	1203	0	27	NA	Safe	NA
67	Marturu	14467	0	7234	0	477	0	6756	0	420	0	58	0	174	0	6640	0	7	NA	Safe	NA



S. No	Name of Assessment unit (Basin/Mandal)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
68	Parchuru	22313	0	2499	0	45	0	2454	0	0	0	45	0	201	0	2298	0	2	NA	Safe	NA	
69	Santhamaguluru	20882	0	10441	0	334	0	10107	0	292	0	42	0	167	0	9982	0	3	NA	Safe	NA	
70	Ongole Basin	13634	0	2918	0	177	0	2740	0	14	0	164	0	627	0	2277	0	6	NA	Safe	NA	
71	GKCB-6	9658	4100	3129	209	241	238	2888	0	212	230	29	8	87	37	2830	0	8	114	Safe	OE	
	District Total	395351	994189	107504	75453	6377	41119	101127	34334	5136	39517	1241	1601	4281	7086	98087	28850	6	54	Safe	Safe	
	Total [C + NC]	1389540		182956		47495		135461		44653		2842		11367		126936						
	ABSTRACT		OE = 6		Critical = 3				SC = 6				Safe = 56								Total Assessment Units = 71	

Note:- OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT- NELLORE DISTRICT [ SUB - BASIN WISE ]





LOCATION DETAILS OF ASSESSMENT UNITS IN NELLORE DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Chippaleru-62-1	Chippaleru	096201	Kavali	32198	730	0
				Bogole	17565	660	8844
				Dagadarti	25306	842	4771
				Allur	19027	9875	617
2	Chippaleru-62-2	Chippaleru	096202	Jaladanki	30363	4303	1793
				Kavali	32198	16558	13716
				Bogole	17565	0	2736
3	Chippaleru-62-3	Chippaleru	096203	Kaligiri	39761	3509	10943
				Dagadarti	25306	2140	585
				Bogole	17565	0	5404
				Jaladanki	30363	14547	5417
				Kondapuram	35255	0	62
				A.S.Peta	29031	0	129
				Kavali	32198	406	0
4	Chippaleru-62-4	Chippaleru river	096204	Kondapuram	35255	0	10882
				Jaladanki	28193	0	4302
				Vinjamur	30363	0	453
				Kaligiri	39761	0	9618
5	Chippaleru-62-5	Chippaleru river	096205	Kondapuram	35255	0	13297
				Duttalur	26561	0	342
				Kaligiri	39761	0	347
				Vinjamur	28193	0	8512
6	Maneru-61-1	Maneru river	096106	Duttalur	26561	0	1736
				Vinjamur	28193	0	3508
				Kondapuram	35255	0	8713
				V.K.Padu	32010	0	1412
7	Maneru-61-2	Maneru river	096107	S.R.Puram	13210	0	3085
				Udayagiri	25503	400	7757

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				Duttalur	26561	0	75
				V.K.Padu	32010	500	12558
				Kondapuram	35255	0	287
8	Maneru-61-3	Maneru river	096108	V.K.Padu	32010	0	16620
				S.R.Puram	32210	0	53
				Udayagiri	25503	0	3328
				Kondapuram	35255	0	104
9	Maneru-61-4	Maneru river	096109	S.R.Puram	32210	0	15207
				Udayagiri	25503	0	7134
10	Maneru-61-5	Maneru	096110	S.R.Puram	32210	0	15173
11	Maneru-61-6	Maneru river	096111	Udayagiri	25503	0	13936
				Duttalur	26561	0	9178
				V.K.Padu	32010	0	1790
12	Lower Pennar-72-1	Penna river	097212	Marripadu	45163	0	15713
13	Lower Pennar-72-2	Penna river	097213	Marripadu	45163	0	27710
				Anantasagaram	26341	10550	5693
14	Lower Pennar-72-3	Penna	097214	Kaluvoya	35753	8639	7012
				Rapur	48146	0	6785
15	Lower Pennar-72-4	Penna river	097215	Marripadu	45163	0	16875
				Duttalur	26561	0	10387
				Vinjamur	28193	0	1910
				Atmakur	32924	0	2202
				Udayagiri	25503	0	9692
16	Lower Pennar-72-5	Penna	097216	Anantasagaram	26341	10098	0
				Marripadu	45163	2856	6330
				Atmakur	32924	3348	11229
				Sangam	24352	789	0
17	Lower Pennar-72-6	Penna	097217	Chejarla	31050	5693	5861
				Kaluvoya	35753	1267	13494
				Rapur	48146	0	214

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
18	Lower Pennar-72-7	Penna	097218	Duttalur	26561	1907	2873
				Vinjamur	28193	0	5413
				Atmakur	32924	0	12937
				A.S.Peta	29031	0	291
				Sangam	24352	901	110
19	Lower Pennar-72-8	Penna	097219	Podalakur	43507	3268	11627
				Chejarla	31050	7331	10184
20	Lower Pennar-72-9	Penna river	097220	Vinjamur	28193	0	6506
				Atmakur	32924	0	3434
				A.S.Peta	29031	0	13102
				Sangam	24352	0	1001
				Kaligiri	39761	0	170
21	Lower Pennar-72-10	Penna river	097221	Podalakur	43507	0	12385
				Nellore rural	34541	0	12720
				Venkatachalam	30276	0	182
22	Lower Pennar-72-11	Penna	097222	Vinjamur	28193	0	2134
				A.S.Peta	29031	0	14272
				Kaligiri	39761	0	1967
				Sangam	24352	0	3281
23	Lower Pennar-72-12	Penna	097223	A.S.Peta	29031	0	397
				Kaligiri	39761	0	11133
24	Lower Pennar-72-13	Penna	097224	Kodavalur	11340	4149	0
				Kovur	8777	1515	0
				Buchireddi	11756	11756	0
				Dagadarti	25306	12242	4383
				Sangam	24352	17389	882
				A.S.Peta	29031	0	2672
25	Lower Pennar-72-14	Penna	097225	Indukurupeta	13954	13954	0
				I.P.Gudur	2868	2868	0
				Nellore rural	34541	9729	4737

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
26	Lower Pennar-72-15	Penna	097226	Vidavalur	39078	12279	0
				Dagadarti	25306	466	0
				Kodavalur	11340	7191	0
				Kovur	8777	7262	0
				Nellore rural	34541	191	0
				Allur	19027	4119	0
27	Lower Pennar-72-16	Penna	097227	Vidavalur	39078	29494	350
				Allur	19127	5617	300
28	Upputeru-73-1	Upputeru river	097328	Kaluvoya	35753	0	3365
				Rapur	48146	0	8295
29	Upputeru-73-2	Upputeru river	097329	Rapur	48146	0	15803
				Kaluvoya	35753	0	5483
30	Upputeru-73-3	Upputeru river	097330	Rapur	48146	0	22149
				Sydapuram	31664	0	5688
				Dakkili	27211	0	14384
31	Upputeru-73-4	Upputeru river	097331	Dakkili	27211	0	17596
				Venkatagiri	18853	0	8223
				Balayapalli	25912	0	1290
				Sydapuram	31664	0	89
				Gudur	24566	0	187
32	Upputeru-73-5	Upputeru river	097332	Venkatagiri	18853	1100	9840
				Balayapalli	25912	0	16632
				Ozili	31574	0	4401
				Gudur	24566	0	2680
33	Upputeru-73-6	Upputeru river	097333	Podalakur	43507	0	8361
				Rapur	48146	0	930
				Kaluvoya	35753	0	993
				Chejarla	31050	0	1982
34	Upputeru-73-7	Upputeru river	097334	Rapur	48146	0	8600
				Sydapuram	31664	0	14761
				Podalakur	43507	0	2633

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
				Manubolu	24378	0	148
				Gudur	24566	0	332
35	Upputeru-73-8	Upputeru river	097335	Sydapuram	31664	0	12918
				Dakkili	27211	0	124
				Gudur	24566	0	3386
				Manubolu	24378	0	7456
				Chillakur	33355	0	310
36	Upputeru-73-9	Upputeru river	097336	Gudur	24566	0	16717
				Chillakur	33355	0	12287
				Ozili	31574	0	2193
				Sydapuram	31664	0	232
				Kota	18227	0	135
				Manubolu	24378	0	40
37	Upputeru-73-10	Upputeru river	097337	Podalakur	43507	0	5794
				Manubolu	24378	970	15766
				Venkatachalam	30276	12489	804
				Sydapuram	31664	928	239
				Rapur	48146	0	888
				Gudur	24566	0	442
38	Upputeru-73-11	Upputeru river	097338	Venkatachalam	30276	16588	0
				Muttukur	17234	13156	0
				Nellore rural	34541	5267	688
				Chillakur	33355	0	267
39	Upputeru-73-12	Upputeru river	097339	Chillakur	33355	0	13770
				Muttukur	17234	0	805
				Venkatachalam	30276	0	213
				Kota	18227	0	860
40	Upputeru-73-13	Upputeru river	097340	Indukurupeta	14495	542	0
				T.P.Gudur	18349	14968	0
				Muttukur	17234	3274	0
				Nellore rural	34541	1229	0



S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
41	Swarna mukhi- 74-2	Swarna mukhi river	097441	Ozili	31574	0	21465
				Naidupeta	16319	0	986
				Chillakur	33355	0	5129
				Kota	18227	0	6917
42	Swanamuki 74-1	Swarna mukhi river	097442	Venkatagiri	18853	874	3690
				Balayapally	25912	0	4628
				Ozili	31574	0	1957
				Naidupeta	16319	0	1960
43	Swarna mukhi- 74-3	Swarna mukhi river	097443	Balayapalli	25912	0	3335
				Naidupeta	16319	638	3504
				Ozili	31574	55	976
				Kota	18227	0	738
				Pellakur	16907	0	2697
				Chittamur	28481	0	272
44	Swarna mukhi- 74-4	Swarna mukhi river	097444	Pellakur	16907	0	9219
				Naidupeta	16319	0	8437
				Chittamur	28481	0	14085
				Vakadu	23484	0	293
45	Swarna mukhi- 74-5	Swarna mukhi river	097445	D.V.Satram	27670	0	11832
				Naidupeta	16319	0	1900
				Pellakur	16907	0	541
				Chittamur	28481	0	3464
46	Swarna mukhi- 74-6	Swarna mukhi river	097446	Kota	18227	0	9104
				Vakadu	23484	0	943
				Chillakur	33355	0	1778
47	Swarna mukhi- 74-7	Swarna mukhi river	097447	Vakadu	23484	0	9871
				Kota	18227	0	474
				Chittamur	28481	0	5819
				Balayapalli	25912	0	302
				Naidupeta	16319	0	248

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
48	Minor drainage-75-1	Between Swarnamukhi and Kalangi rivers	097548	Chittamur	28481	0	2390
				Vakadu	23484	0	6551
49	Minor drainage-75-2	Between Swarnamukhi and Kalangi rivers	097549	Sullurupeta	24517	0	7487
				D.V.Satram	27670	0	48
				Chittamur	28481	0	2412
				Vakadu	23484	0	3684
50	Minor drainage-75-3	Between Swarnamukhi and	097550	Tada	22606	0	11417
				Sullurupeta	24517	0	6665
51	Kalangi -76-1	Kalangi	097651	Sullurupeta	24517	0	7126
				D.V.Satram	27670	0	3127
52	Kalangi -76-2	Kalangi	097652	D.V.Satram	27670	0	12664
				Pellakur	16907	0	4450
				Sullurupeta	24517	0	6381
53	Kalangi-76-3	Kalangi river	097653	Tada	22606	162	11027
				Sullurupeta	24517	308	665

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT FOR  
NELLORE DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current annual draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Maneru-61-1	0	17107	0	1360	0	416	0	944	0	387	0	29	0	59	0	914	NA	31	NA	Safe
2	Maneru-61-2	0	20058	0	1756	0	667	0	1089	0	626	0	42	0	70	0	1060	NA	38	NA	Safe
3	Maneru-61-3	0	15143	0	1300	0	788	0	512	0	746	0	42	0	58	0	496	NA	61	NA	Safe
4	Maneru-61-4	0	8012	0	1028	0	374	0	653	0	354	0	21	0	30	0	644	NA	36	NA	Safe
5	Maneru-61-5	0	6993	0	840	0	263	0	577	0	231	0	32	0	46	0	563	NA	31	NA	Safe
6	Maneru-61-6	0	23012	0	2192	0	712	0	1480	0	687	0	25	0	99	0	1406	NA	32	NA	Safe
7	Chippaleru-62-1	12107	14174	2324	1506	262	533	2062	973	237	506	25	27	98	331	1989	668	11	35	Safe	Safe
8	Chippaleru-62-2	20844	18569	5732	2011	539	713	5193	1298	516	704	23	10	130	226	5086	1082	9	35	Safe	Safe
9	Chippaleru-62-3	20488	24162	4929	2375	346	952	4583	1423	311	913	35	39	110	185	4508	1277	7	40	Safe	Safe
10	Chippaleru-62-4	0	24719	0	2171	0	807	0	1363	0	773	0	34	0	74	0	1324	NA	37	NA	Safe
11	Chippaleru-62-5	0	22396	0	1837	0	616	0	1221	0	572	0	44	0	83	0	1181	NA	34	NA	Safe
12	Lower Pennar-72-1	0	7713	0	1128	0	471	0	657	0	458	0	13	0	22	0	648	NA	42	NA	Safe
13	Lower Pennar-72-2	10090	16192	4809	2038	383	1418	4426	620	325	1369	58	49	68	94	4416	575	8	70	Safe	SC
14	Lower Pennar-72-3	8309	8779	1397	805	409	396	987	403	357	350	53	46	62	106	978	348	29	49	Safe	Safe
15	Lower Pennar-72-4	0	34865	0	3910	0	2501	0	1409	0	2430	0	70	0	113	0	1366	NA	64	NA	Safe
16	Lower Pennar-72-5	17051	17734	6486	2129	598	725	5888	1404	540	620	59	105	78	124	5868	1385	9	34	Safe	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current annual draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C
17	Lower Pennar-72-6	6930	19129	1523	1793	274	1314	1249	479	234	1232	40	82	48	117	1241	444	18	73	Safe	Safe	SC
18	Lower Pennar-72-7	2808	20581	723	1892	192	1215	531	677	163	1056	29	159	35	257	525	579	27	64	Safe	Safe	Safe
19	Lower Pennar-72-8	8635	21208	1310	2160	829	1853	481	307	776	1744	53	109	63	135	470	281	63	86	Safe	Safe	SC
20	Lower Pennar-72-9	0	23816	0	2074	0	1447	0	627	0	1323	0	125	0	152	0	600	NA	70	NA	NA	SC
21	Lower Pennar-72-10	0	25378	0	2739	0	1425	0	1314	0	1292	0	133	0	160	0	1287	NA	52	NA	NA	Safe
22	Lower Pennar-72-11	0	19282	0	1675	0	964	0	711	0	896	0	68	0	104	0	675	NA	58	NA	NA	Safe
23	Lower Pennar-72-12	0	11526	0	1068	0	717	0	350	0	687	0	31	0	39	0	342	NA	67	NA	NA	Safe
24	Lower Pennar-72-13	46508	7887	14573	781	4993	499	9580	283	4765	432	228	67	492	80	9316	269	34	64	Safe	Safe	Safe
25	Lower Pennar-72-14	26420	4697	11446	623	10149	666	1297	0	9847	567	302	100	1841	120	0	0	89	107	SC	OE	
26	Lower Pennar-72-15	30317	0	10617	0	4213	0	6604	0	3994	0	219	0	372	0	6451	0	39	NC	Safe	NA	
27	Lower Pennar-72-16	32506	0	5475	0	1555	0	3920	0	1487	0	68	0	151	0	3837	0	28	NC	Safe	NA	
28	Upputeru-73-1	0	11572	0	1484	0	270	0	1214	0	229	0	41	0	49	0	1206	NA	18	NA	NA	Safe
29	Upputeru-73-2	0	16396	0	1733	0	445	0	1289	0	381	0	64	0	77	0	1276	NA	26	NA	NA	Safe
30	Upputeru-73-3	0	31137	0	2630	0	2318	0	312	0	2128	0	191	0	229	0	274	NA	88	NA	NA	SC
31	Upputeru-73-4	0	17466	0	2028	0	1871	0	157	0	1763	0	108	0	130	0	135	NA	92	NA	NA	Critical
32	Upputeru-73-5	1100	33728	437	3967	106	3446	331	521	71	3147	36	299	43	590	323	230	24	87	Safe	Safe	SC
33	Upputeru-73-6	0	13216	0	1537	0	813	0	724	0	741	0	71	0	86	0	710	NA	53	NA	NA	Safe
34	Upputeru-73-7	0	25920	0	2579	0	1107	0	1472	0	978	0	129	0	155	0	1446	NA	43	NA	NA	Safe
35	Upputeru-73-8	0	20958	0	2102	0	1322	0	780	0	1222	0	100	0	110	0	770	NA	63	NA	NA	Safe

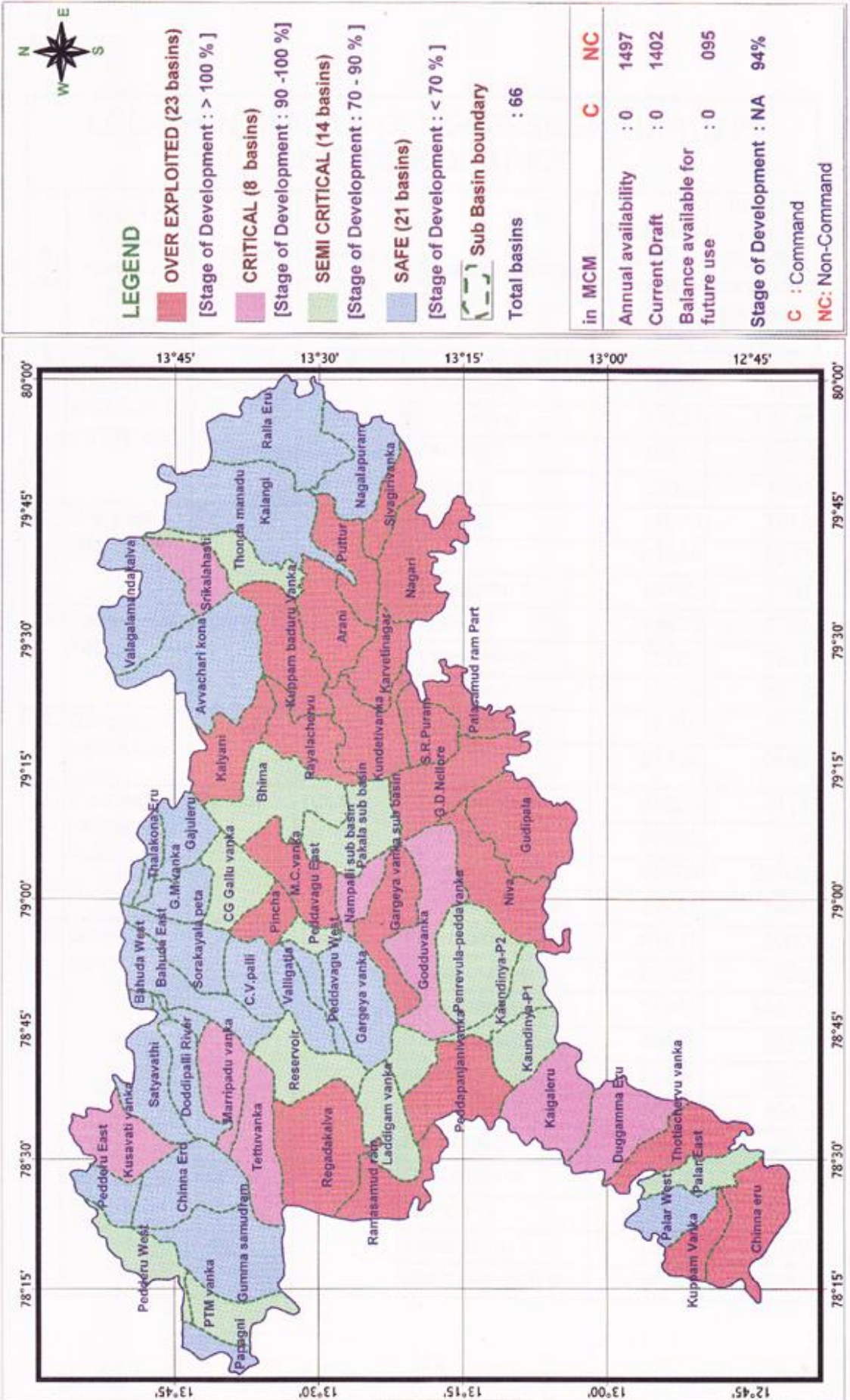
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current annual draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
36	Upputeru-73-9	0	32627	0	3277	0	1997	0	1290	0	1843	0	154	0	207	0	1227	NA	61	NA	Safe
37	Upputeru-73-10	14387	23917	5277	2833	363	2346	4914	487	319	2255	44	91	77	221	4881	357	7	83	Safe	SC
38	Upputeru-73-11	34980	955	15258	101	2870	82	12388	20	2595	71	275	11	283	14	12381	17	19	81	Safe	SC
39	Upputeru-73-12	0	15137	0	1445	0	353	0	1092	0	312	0	40	0	51	0	1082	NA	24	NA	Safe
40	Upputeru-73-13	20526	0	9131	0	5582	0	3549	0	5367	0	215	0	258	0	3506	0	61	NA	Safe	NA
41	Swamamukhi-74-1	874	12135	145	1360	46	879	99	481	29	810	17	69	21	97	96	452	32	65	Safe	Safe
42	Swamamukhi-74-2	0	34647	0	3556	0	1536	0	2020	0	1419	0	117	0	169	0	1968	NA	43	NA	Safe
43	Swamamukhi-74-3	693	11158	177	1350	157	982	20	368	135	900	22	82	27	152	15	298	89	73	SC	SC
44	Swamamukhi-74-4	0	30679	0	3562	0	2287	0	1275	0	2114	0	173	0	233	0	1215	NA	64	NA	Safe
45	Swamamukhi-74-5	0	17737	0	1195	0	343	0	852	0	289	0	54	0	60	0	845	NA	29	NA	Safe
46	Swamamukhi-74-6	0	12154	0	1950	0	1379	0	571	0	1319	0	60	0	105	0	526	NA	71	NA	SC
47	Swamamukhi-74-7	0	16953	0	2717	0	1941	0	776	0	1859	0	83	0	129	0	729	NA	71	NA	SC
48	Minor drainage-75-1	0	8941	0	1239	0	88	0	1151	0	64	0	24	0	28	0	1146	NA	7	NA	Safe
49	Minor drainage-75-2	0	14941	0	2093	0	89	0	2004	0	54	0	35	0	42	0	1997	NA	4	NA	Safe
50	Minor drainage-75-3	0	43911	0	9828	0	126	0	9702	0	106	0	20	0	21	0	9701	NA	1	NA	Safe
51	Kalangi -76-1	0	10253	0	979	0	652	0	327	0	589	0	62	0	118	0	272	NA	67	NA	Safe
52	Kalangi -76-2	0	24715	0	2313	0	1318	0	995	0	1237	0	81	0	150	0	926	NA	57	NA	Safe
53	Kalangi-76-3	470	21267	117	2411	47	585	70	1826	40	478	7	108	9	293	69	1641	40	24	Safe	Safe
	District Total	316043	935652	102088	103459	33913	51027	68175	52432	32106	47261	1808	3766	4266	6400	65717	49798	33	49	Safe	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual Groundwater availability for future Use ha.m		Current annual draft for irrigation ha.m		Current annual draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Total [ C+NC]		1251695		205547		84940		120607		79367		5573		10666		115514					
ABSTRACT		OE = 1		Critical = 1		SC = 11		Safe = 40		Total Basins = 53											

Note:- OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)



# STATUS OF GROUNDWATER DEVELOPMENT - CHITTOOR DISTRICT [ SUB - BASIN WISE ]



### LEGEND

- **OVER EXPLOITED (23 basins)**  
[Stage of Development : > 100 % ]
- **CRITICAL (8 basins)**  
[Stage of Development : 90 -100 % ]
- **SEMI CRITICAL (14 basins)**  
[Stage of Development : 70 - 90 % ]
- **SAFE (21 basins)**  
[Stage of Development : < 70 % ]

Sub Basin boundary

Total basins : 66

in MCM	C	NC
Annual availability	: 0	1497
Current Draft	: 0	1402
Balance available for future use	: 0	095
Stage of Development	: NA	94%

C : Command  
NC: Non-Command





LOCATION DETAILS OF ASSESSMENT UNITS IN CHITTOOR DISTRICT						
S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
1	Magalampeta-Chitalavanka Gallu	Ponnai	108101	CG Gallu-p	18030	1706
				Pulicherla-p	21531	13748
				Pakala-p	14813	3675
				Sodam-p	23050	1684
2	Nampalli sub basin	Ponnai	108102	Pakala-p	14813	1513
				Irala-p	21456	9348
				Putalapattu-p	18705	3703
3	Pakala sub basin	Ponnai	108103	Pakala-p	14813	7756
				Putalapattu-p	18705	9231
				Penumur-p	13505	3213
4	Gargeyavanka sub basin	Ponnai	108104	Putalapattu-p	18705	1723
				Irala-p	21456	9483
5	Penrevulapeddavanka	Ponnai	108105	Gagavaram-p	22625	4114
				Palamaner-p	23396	714
				Bangarupalem-p	39429	23132
				Thavanampalli-p	19241	1424
6	Goddivanka	Ponnai	108106	Peddapanjani-p	29421	3909
				Gagavaram-p	22625	432
				Thavanampalli-p	19241	16675
				Bangarupalem-p	39429	2822
				Irala-p	21456	2625
				Putalapattu-p	18705	4047
				Penumur-p	13505	280
7	Niva	Ponnai	108107	GDNellore-p	20212	963
				Chittoor-p	20895	7728
				Yadamari-p	15418	14849
				Bangarupalem-p	39429	9632

S. No	Name of Assessment-unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
				Thavanampalli-p	19241	1141
8	Gudipala	Ponnai	108108	Chittoor-p	20895	13077
				Yadamari-p	15418	1897
				Gudipala-F	16947	16947
				GDNellore-p	20212	965
9	G.D. Nellore	Ponnai	108109	Penumur-p	13505	7548
				Vedurukuppam-p	27125	1557
				S.R.Puram-p	13017	1885
				GDNellore-p	20212	15196
				Palasamudram-p	9804	2653
10	Palasamudram Part I,II	Kushasthali	107610	Palasamudram-p	9804	6754
11	S.R.Puram	Kushasthali	107611	Palasamudram-p	9804	1891
				GDNellore-p	20212	2475
				S.R.Puram-p	13017	8740
12	Kundeti vanka	Kushasthali	107612	S.R.Puram-p	13017	2688
				Vedurukuppam-p	27125	22501
				Penumur-p	13505	2463
				Karvetinagar-p	25142	2260
13	Karveti nagar	Kushasthali	107613	Karvetinagar-p	25142	18813
14	Nagari-I,II	Kushasthali	107614	Nagari-P	11127	11127
				Nindra-P	8468	608
				Vijayapuram-P	8399	5679
15	Arani	Arani	107715	Putturu-P	18842	13497
				Narayanavanam-P	11393	11370
				Nindra-P	8468	1366
				K.V.B.Puram-P	38953	5657
				Pitchatur-P	15074	2152
16	Puttur	Arani	107716	Vedurukuppam-p	27125	2479

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
				Karvetinagar-p	25142	4173
				Putturu-P	18842	5345
				Vadamalapet-P	16600	5292
				Narayanavanam-P	11393	23
17	Sivagiri vanka	Arani	107717	Pitchatur-P	15074	11227
				Nindra-P	8468	6494
				Vijayapuram-P	8399	3103
18	Nagala puram	Arani	107718	Pitchatur-P	15074	1070
				Nagalapuram-P	19238	14869
				Satyavedu-P	25044	12243
19	Kalangi	Kalangi	107519	K.V.B.Puram-P	38953	34296
				Thottambedu-P	20743	6492
				BNKandriga-P	25743	12354
20	Ralla Eru	Kalangi	107520	BNKandriga-P	25743	13384
				Varadaiahpalem-F	22666	22666
				Satyavedu-P	25044	12465
				Nagalapuram-P	19238	4369
21	Valagalama nda kalva	Swarna mukhi	107421	Yerpedu-P	25977	5346
				Srikalahasti-P	27961	24481
				Thottambedu-P	21657	7166
22	Srikalahasti	Swarna mukhi	107422	Thottambedu-P	21657	6523
				Srikalahasti-P	27961	842
				Yerpedu-P	25977	7031
23	Thonda manadu	Swarna mukhi	107423	Renigunta-P	3223	3223
				Yerpedu-P	25977	8798
				Srikalahasti-P	27961	2638
				Thottambedu-P	21657	484
24	Kuppambaduru Vanka	Swarna mukhi	107424	RCPuram-P	14285	2716
				Tirupati Rural-P	11220	246
				Vadamalapet-P	16600	14068

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
				Renigunta-P	5279	4427
				Yerpedu-P	25977	5251
25	Avvachari kona	Swarna mukhi	107425	Tirupati Rural-P	11220	1310
				Tirupati Urban-P	21789	18634
				Renigunta-P	22116	13969
26	Kalyani	Swarna mukhi	107426	Chandragiri-P	45556	3637
				Tirupati Rural-P	11220	3938
				Tirupati Urban-P	21790	3394
27	Bhima	Swarna mukhi	107427	Pakala-p	14813	1864
				Chandragiri-P	45556	29976
28	Rayala chervu	Swarna mukhi	107428	Chandragiri-P	45556	14266
				Tirupati Rural-P	11220	5484
				RCPuram-P	14285	11569
				Vedurukuppam-p	27125	803
29	Rama samudram	Kaundinya	107829	Ramasamudram-P	16400	16400
				Punganuru-P	29721	7844
30	Laddigam vanka	Kaundinya	107830	Punganuru-P	29721	14900
				Chowdepalli-P	23443	21157
				Peddapanjani-p	29421	3517
31	Peddapanjanivanka	Kaundinya	108031	Peddapanjani-p	29421	15267
				Gagavaram-p	22625	7600
32	Kaundinya-P1	Kaundinya	108032	Gagavaram-p	22625	4892
				Palamaner-p	23396	16215
				Baireddipalli-P	16323	3723
33	Kaundinya-P2	Kaundinya	108033	Peddapanjani-p	29421	6102
				Palamaner-p	23396	6370
				Bangarupalem-p	39429	2756
				Gagavaram-p	22625	9701
34	Kaigaleru	Bheema	107834	Baireddipalli-P	16858	12452

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
				Vkota-p	22445	5241
35	Dugga mma Eru	Bheema	107835	Vkota-p	22445	14855
				Ramakuppam-p	15783	2042
36	Thotla chervu vanka	Palar	107936	Ramakuppam-p	15783	12046
				Kuppam-p	23905	6131
37	Palar East	Palar	107937	Ramakuppam-p	15783	1828
				Vkota-p	22445	2393
				Shanthipuram-p	16272	3120
				Kuppam-p	23905	10925
38	Palar West	Palar	107938	Kuppam-p	23905	4543
				Shanthipuram-p	16272	12017
39	Kuppam Vanka	Palar	107939	Shanthipuram-p	16272	1302
				Gudupalli-p	16546	12886
				Kuppam-p	23905	2965
40	Chinna Eru	Palar	107940	Kuppam-p	23905	15833
				Gudupalli-p	16546	3660
41	Gargeya vanka	Pincha	107141	Somala-p	35512	13585
42	Peddavagu East	Pincha	107142	Somala-p	35512	2889
				Sodam-p	23050	10690
43	Peddavagu West	Pincha	107143	Sodam-p	23050	4602
				Somala-p	35572	9440
				Chowdepalli-P	23443	2286
44	Valligatla	Pincha	107144	Somala-p	35512	10598
				Sodam-p	23050	2009
45	Pincha-I,II	Pincha	107145	Piler-p	18958	6684
				Pulicherla-p	21531	4408
				Sodam-p	23050	1109
46	Chinthalava ripalli vanka	Pincha	107146	Sodam-p	23050	4639
				Piler-p	1356	1356

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
				Kalikiri-p	21591	7102
47	Sorakayala peta vanka	Pincha	107147	Kalikiri-p	21591	4788
				KVPalli-p	33219	6743
				Piler-p	18958	2645
48	Gundalamal leswara vanka	Pincha	107148	Piler-p	18958	5506
				Rompicherla-p	35482	11550
				KVPalli-p	33219	6635
49	Thalakona Eru	Pincha	107149	Yvpalem-p	24567	10168
50	Gajuleru	Pincha	107150	Yvpalem-p	24567	14398
				CGGallu-p	18030	1807
				Rompicherla-p	35482	5729
51	CGGallu vanka	Pincha	107151	Piler-p	18958	2767
				Rompicherla-p	35482	18202
				CGGallu-p	18030	14515
				Pulicherla-p	21531	3938
52	Regada kalva	Bahuda	107152	Madanapalli-p	32590	23478
				Punganuru-P	29721	6978
				Nimmanapalli-p	19375	8424
53	Reservoir	Bahuda	107153	Nimmanapalli-p	19375	10951
				Voyalpad-p	28327	202
54	Tettu vanka	Bahuda	107154	Madanapalli-p	32590	9112
				Kuravalakota-p	18978	9840
				Voyalpad-p	28327	9241
55	Marripadu vanka	Bahuda	107155	Voyalpad-p	28327	11950
				Gurramkonda-p	25595	7781
				Kuravalakota-p	18978	3818
56	Doddipalli River	Bahuda	107156	Gurramkonda-p	25595	751
				Kalakada-p	24041	11623
				Kalikiri-p	21591	1313
57	Satyavathi	Bahuda	107157	Gurramkonda-p	25595	12971
				Kalakada-p	24041	9365
58	Bahuda	Bahuda	107158	Kalakada-p	24041	3053

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
	West			Kalikiri-p	21591	2460
				KVPalli-p	33219	579
59	Bahuda East	Bahuda	107159	KVPalli-p	33219	19217
				Kalikiri-p	21591	5929
				Voyalpad-p	28327	6934
60	Kusavati vanka	Pedderu	107160	Gurramkonda-p	25595	4786
				Thamballapalli-p	34922	4140
				Peddamandyam-p	25864	18664
61	Chinna Eru	Pedderu	107161	Kuravalakota-p	18978	5320
				Thamballapalli-p	34922	21228
62	Pedderu East	Pedderu	107162	Thamballapalli-p	34922	4283
				Peddamandyam-p	25864	6337
63	Pedderu West	Pedderu	107163	Peddamandyam-p	25864	863
				Thamballapalli-p	34922	5271
				Molakalacheruvu-p	24407	12157
				PTM-p	24775	2197
64	Papagni	Pedderu	107164	PTM-p	24775	7711
65	PTM vanka	Pedderu	107165	PTM-p	24775	14867
				B.Kothakota-p	28787	6193
				Molakalacheruvu-p	24407	89
66	Gummasam udram	Pedderu	107166	Molakalacheruvu-p	24407	12161
				B.Kothakota-p	28787	22594



**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
CHITTOOR DISTRICT**

S. No	Name of Assessment unit (Basin)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current Draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		NC	3	NC	4	NC	5	NC	6	NC	7	NC	8	NC	9	NC	10	NC	11			
1	2																				NC	12
1	Mangalampeta-Chintala vanka		19628		1657		2000		0		1857		143		172		0		121		OE	
2	Nampalli sub basin		14564		1649		1541		108		1367		174		209		73		93		Critical	
3	Pakala sub basin		20200		2438		1997		441		1813		184		200		425		82		SC	
4	Gargeya vanka sub basin		11206		1357		1679		0		1536		143		171		0		124		OE	
5	Penrevula-peddavanka		29384		3626		2906		720		2798		108		175		653		80		SC	
6	Godduvanka		30790		3295		3023		272		2984		39		224		86		92		Critical	
7	Niva		34313		2988		3765		0		3319		446		676		0		126		OE	
8	Gudipala		32886		3046		4976		0		4504		472		567		0		163		OE	
9	G.D.Nellore		28839		3808		4998		0		4886		311		374		0		131		OE	
10	Palasamud ram Part I,II		4943		722		1039		0		969		69		83		0		144		OE	
11	S.R.Puram		12638		1861		1965		0		1862		103		124		0		106		OE	
12	Kundetivanka		29912		3278		4909		0		4741		168		168		0		150		OE	
13	Karvetinagar		18813		2185		2789		0		2658		131		157		0		128		OE	
14	Magari I,II		17414		3024		5406		0		5361		106		344		0		181		OE	

S. No	Name of Assessment unit (Basin)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current Draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori saiton	
		NC	3	NC	4	NC	5	NC	6	NC	7	NC	8	NC	9	NC	10	NC	11		
1	2																				
15	Arani		34042		4131		4360		0		4153		207		271		0			106	OE
16	Puttur		17312		1998		2012		0		1898		114		139		0			101	OE
17	Sivagirivanka		20824		2545		3947		0		3817		130		163		0			155	OE
18	Nagalapuram		28182		3223		1821		1402		1777		43		281		1165		56	Safe	
19	Kalangi		53142		4945		2115		2830		2009		106		170		2766		43	Safe	
20	Ralla Eru		52884		4999		2375		2624		2269		106		324		2406		48	Safe	
21	Valagalamandaikaiva		36993		4401		2285		2115		2196		89		151		2053		52	Safe	
22	Srikalahasti		14396		2006		1955		51		1883		72		120		4		97	Critical	
23	Thonda manadu		15143		2122		1888		233		1802		86		127		192		89	SC	
24	Kuppam baduru Vanka		26708		3993		5148		0		4901		247		296		0		129	OE	
25	Avvachari kona		31498		3114		1443		1672		1408		35		904		803		46	Safe	
26	Kalyani		10969		1159		1342		0		1233		109		364		0		116	OE	
27	Bhima		31840		2710		2356		353		2255		101		121		333		87	SC	
28	Rayalacheru		32122		3379		5098		0		4885		213		255		0		151	OE	
29	Ramasamud ram		20876		2550		2888		0		2687		200		240		0		113	OE	

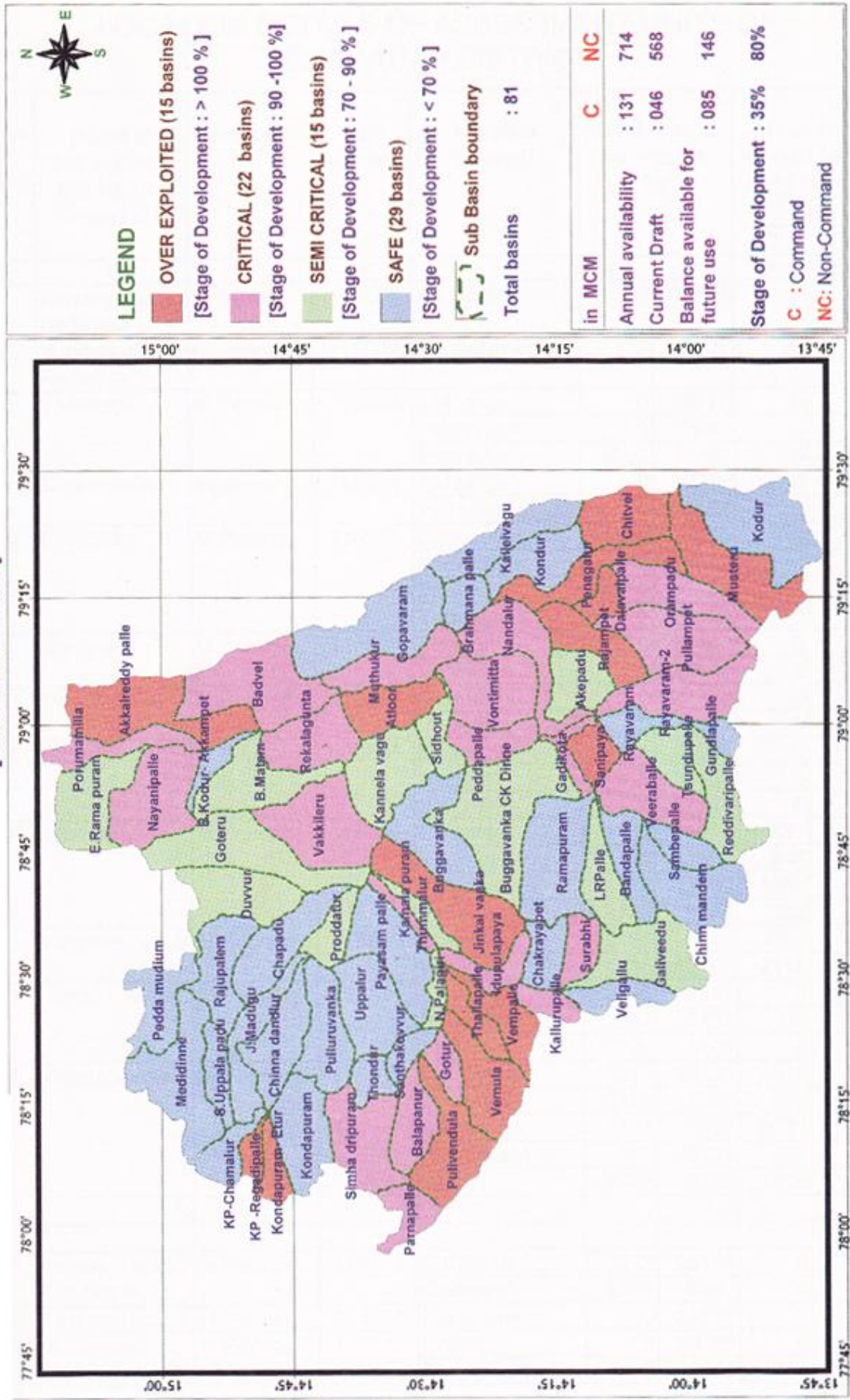
S. No	Name of Assessment unit (Basin)	Area considered for recharge ha	Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m		Current Draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m	Net annual groundwater availability for future irrigation use ha.m		Stage of development %	Categorisation							
			NC	4		NC	5		NC	6		NC	7			NC	8	NC	9	NC	10	NC
1	2		NC	3	NC	4	NC	5	NC	6	NC	7	NC	8	NC	9	NC	10	NC	11	NC	12
30	Laddigam vanka	38771		4283	3822	461	3645	177	196	442	89	SC										
31	Peddapanjanivanka	20599		2120	2221	0	2113	108	158	0	105	OE										
32	Kaundinya-P1	24830		2608	2179	430	2064	115	129	415	84	SC										
33	Kaundinya-P2	24086		2399	1986	414	1851	134	263	285	83	SC										
34	Kaigaleru	17693		2047	1849	198	1750	99	165	132	90	Critical										
35	Duggamma Eru	16897		1803	1754	48	1603	152	184	16	97	Critical										
36	Thotiachervu vanka	15509		1163	1879	0	1774	104	117	0	162	OE										
37	Palar East	18266		1326	1081	244	1010	71	105	210	82	SC										
38	Palar West	16560		1121	662	459	534	128	154	433	59	Safe										
39	Kuppam Vanka	17153		1376	2078	0	1874	204	238	0	151	OE										
40	Chinna Eru	19493		1506	2277	0	2085	192	231	0	151	OE										
41	Gargeya vanka	13184		1405	782	623	752	30	33	619	56	Safe										
42	Peddavagu East	13402		1314	978	336	922	56	62	330	74	SC										
43	Peddavagu West	14907		1683	1125	559	1046	79	81	556	67	Safe										
44	Vallathala	11767		1189	860	329	792	68	81	315	72	Safe										

S. No	Name of Assessment unit (Basin)	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current Draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation
		NC	3	NC	4	NC	5	NC	6	NC	7	NC	8	NC	9	NC	10	NC	11	
1	2	NC	3	NC	4	NC	5	NC	6	NC	7	NC	8	NC	9	NC	10	NC	11	12
45	Pincha-I,II		11668		1156		1161		0		1028		133		160		0		100	OE
46	Chinthalavari palli vanka		13097		1606		1046		560		977		70		94		536		65	Safe
47	Sorakayala peta vanka		14176		1501		946		554		889		57		59		553		63	Safe
48	Gundalamalle swara vanka		23691		1718		1147		571		1064		83		99		555		67	Safe
49	Thalakona Eru		10168		964		488		476		442		46		56		467		51	Safe
50	Gajuleru		21934		1459		964		495		866		98		118		476		66	Safe
51	CG Gallu vanka		38946		3913		2806		1107		2628		179		214		1071		72	SC
52	Regadakalva		38880		3523		4078		0		4044		34		239		0		116	OE
53	Reservoir		11153		1269		995		274		938		58		69		262		78	SC
54	Tettuvanka		28193		2600		2453		147		2366		86		220		14		94	Critical
55	Marripadu vanka		23549		2098		1905		193		1810		95		112		175		91	Critical
56	Doddipalli River		13687		911		600		311		561		40		43		307		66	Safe
57	Satyavathi		22336		2401		1403		999		1332		71		87		962		58	Safe
58	Bahuda West		6092		616		377		239		353		24		38		225		61	Safe
59	Bahuda East		32080		2967		1996		971		1932		64		146		890		67	Safe

S. No	Name of Assessment unit (Basin)	Area considered for recharge ha	Net annual groundwater availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current Draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and Industrial needs at 2025 ha.m	Net annual groundwater availability for future irrigation use ha.m	Stage of development %	Categori sation
1	2	3	4	5	6	7	8	9	10	11	12
60	Kusavali vanka	27590	1882	1768	114	1684	85	142	57	94	Critical
61	Chinna Eru	26548	1980	1271	708	1187	85	101	692	64	Safe
62	Pedderu East	10620	831	457	373	445	13	34	352	55	Safe
63	Pedderu West	20488	1104	838	266	775	62	97	232	76	SC
64	Papagni	7711	882	587	295	586	1	41	255	67	Safe
65	PTM vanka	21149	2096	1621	474	1617	4	187	292	77	SC
66	Gumma samudram	34755	2687	1674	1013	1626	49	150	911	62	Safe
	DistrictTotal	1474089	149716	140199	9516	132593	7606	12275	4848	94	Critical
	ABSTRACT	OE = 23	Critical = 8	SC = 14	Safe = 21	Total Basins=66					

Note: - OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; Command area nil ; Col.no.6 = Col.no.4 - Col.no.5; Col.no.10 = Col.no.4 + Col.no.7 + Col.no.9)

# STATUS OF GROUNDWATER DEVELOPMENT - CUDDAPAH DISTRICT [ SUB - BASIN WISE ]





**LOCATION DETAILS OF ASSESSMENT UNITS OF  
CUDDAPAH DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha		Area of the mandal covered in the basin ha	
					6	7	C	NC
1	2	3	4	5	6	7	8	9
1	Kondapuram-Chamalur	M Pennar	116501	Kondapuram	0	37901	0	8170
2	Kondapuram-Regadipalle	M Pennar	116502	Kondapuram	0	37901	0	6752
3	J.Madugu	M Pennar	116503	J.Madugu	0	29217	0	6153
				Mylavaram	0	33097	0	4499
				Proddatur	4062	12268	0	2490
4	Chinnadandlur	Mpennar	116504	J.Madugu	0	29217	0	17788
				Yerraguntla	0	22164	0	2492
5	Proddatur	M Pennar	116505	Chapadu	11289	1016	0	810
				Kamalapuram	0	18529	0	2766
				Proddatur	4062	12268	0	3148
				Yerraguntla	0	22164	0	4518
6	Vontimitta	M Pennar	116506	Sidhout	0	34457	0	1229
				Vontimitta	0	37541	0	12782
7	Pedda palle	M Pennar	116507	Sidhout	0	34457	0	3333
				Vontimitta	0	37541	0	969
8	Sidhout	M Pennar	116508	Cuddapah	2771	6997	0	140
				Sidhout	0	34457	0	5830
				Vontimitta	0	37541	0	100
9	Vakkileru	M Pennar	116509	Chapadu	11289	1016	837	0
				Khajipet	11715	12893	7945	2167
				Mydukur	1926	41830	1846	11301
				Vallur	2722	9198	702	0
10	Kannela vagu	M Pennar	116510	Chennur	2496	3327	1866	588
				Khajipet	11715	12893	2110	1159
11	Jinkal vanka	M Pennar	116511	Chennur	2496	3327	0	283
				Pendlimarri	557	33737	0	11174
				Vallur	2722	9198	0	6173
12	Bugga vanka	M Pennar	116512	C.K.Dinne	3313	55103	3313	6701
				Chennur	2496	3327	630	0
				Cuddapah	2771	6997	2771	5518
				Pendlimarri	557	33737	557	0
				Vallur	2722	9198	1795	0
13	Bugga vanka CK Dinne	M Pennar	116513	C.K.Dinne	3313	55103	0	8659
				Cuddapah	2771	6997	0	120
14	Gopavaram	M Pennar	116514	Gopavaram	0	34579	0	6903
15	Kalleivagu	M Pennar	116515	Chitvel	0	40769	0	2638
				Penagaluru	0	40995	0	5549



S. No	Name of Assessment unit (Basin/ mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha		Area of the mandal covered in the basin ha	
					6	7	C	NC
1	2	3	4	5	6	7	8	9
16	Pulluruvanka	M Pennar	116516	Muddanur	0	32614	0	11458
				Proddatur	4062	12268	0	381
				Yerraguntla	0	22164	0	5878
17	Kondapuram	Chitravathi	116717	Kondapuram	0	37901	0	11331
				Muddanur	0	32614	0	6084
				Simhadripuram	0	27946	0	2385
18	Kondapuram - Etur	Chitravathi	116718	Kondapuram	0	37901	0	4532
19	Parnapalle	Chitravathi	116719	Lingala	0	31916	0	6889
20	Medidine	Kandeleru	116820	J.Madugu	0	29217	0	554
				Kondapuram	0	37901	0	1344
				Mylavaram	0	33097	0	18176
				Peddamudium	0	23095	0	6942
21	S.Uppala padu	Kandeleru	116821	J.Madugu	0	29217	0	1259
				Mylavaram	0	33097	0	7736
22	Peddamudium	Kandeleru	116822	Peddamudium	0	23095	0	9310
23	Rajupalem	Kandeleru	116823	Duvvur	6755	15372	85	0
				J.Madugu	0	29217	0	1084
				Peddamudium	0	23095	0	6223
				Proddatur	4062	12268	160	0
				Rajupalem	8092	11669	6880	6853
24	Chapadu	Kandeleru	116824	Chapadu	11289	1016	5220	0
				J.Madugu	0	29217	0	520
				Khajipet	11715	12893	240	0
				Peddamudium	0	23095	0	1026
				Proddatur	4062	12268	3080	6249
				Rajupalem	8092	11669	621	4696
25	Duvvur	Kandeleru	116825	Chapadu	11289	1016	2771	0
				Duvvur	6755	15372	6590	10609
				Proddatur	4062	12268	822	0
				Rajupalem	8092	11669	591	120
26	Goteru	Kandeleru	116826	Chapadu	11289	1016	2461	206
				Duvvur	6755	15372	80	1302
				Khajipet	11715	12893	1420	0
				Mydukur	1926	41830	80	20022
				Vallur	2722	9198	165	0
27	Veligallu	Papagni	116927	Chakrayapet	0	35660	0	2455
				Galiveedu		36000	0	6741
28	Galiveedu	Papagni	116928	Chakrayapet	0	35660	0	2248
				Galiveedu	0	36000	0	23105
29	Surabhi	Papagni	116929	Chakrayapet	0	35660	0	6047
				Galiveedu	0	36000	0	4011
				LRPalle	0	22251	0	1045
30	Kallurupalle	Papagni	116930	Chakrayapet		35660	0	6038
31	Chakrayapet	Papagni	116931	Chakrayapet	0	35660	0	5637

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha		Area of the mandal covered in the basin ha	
					6	7	C	NC
1	2	3	4	5	6	7	8	9
32	Vempalle	Papagni	116932	Pendlimarri	557	33737	0	1130
				Vempalle	0	29850	0	5844
				Vemula	0	23466	0	1230
				VN Palle	0	28607	0	421
33	Idupulapaya	Papagni	116933	Pendlimarri	557	33737	0	1353
				Vempalle	0	29850	0	1441
				VN Palle	0	28607	0	50
34	Thallapalle	Papagni	116934	Vempalle	0	29850	0	5016
				Vemula	0	23466	0	2449
				VN Palle	0	28607	0	4056
35	Vemula	Papagni	116935	Pulivendula	0	16427	0	3933
				Vempalle	0	29850	0	3123
				Vemula	0	23466	0	15857
36	N.Palagiri	Papagni	116936	Vempalle	0	29850	0	469
				Vemula	0	23466	0	598
				VN Palle	0	28607	0	6952
37	Gotur	Papagni	116937	Pulivendula	0	16427	0	1302
				Thondur	0	26264	0	2437
				Vemula	0	23466	0	1397
38	Pulivendula	Papagni	116938	Lingala	0	31916	0	12179
				Pulivendula	0	16427	0	10330
39	Santhakovvur	Papagni	116939	Thondur	0	26264	0	7281
				Vemula	0	23466	0	401
40	Balapanur	Papagni	116940	Lingala	0	31916	0	5384
				Pulivendula	0	16427	0	848
				Simhadripuram	0	27946	0	3706
				Thondur	0	26264	0	5705
41	Simhadri puram	Papagni	116941	Lingala	0	31916	0	261
				Simhadripuram	0	27946	0	21026
				Thondur		26264	0	1617
42	Thondur	Papagni	116942	Thondur	0	26264	0	6628
43	Uppalur	Papagni	116943	Kamalapuram	0	18529	0	40
				Muddanur	0	32614	0	8676
				VN Palle	0	28607	0	7624
				Yerraguntla	0	22164	0	5745
44	Payasam palle	Papagni	116944	Kamalapuram	0	18529	0	10089
				VN Paile	0	28607	0	9031
				Yerraguntla	0	22164	0	2971
45	Kamalapuram	Papagni	116945	Kamalapuram	0	18529	0	5634
				Vallur	2722	9198	0	160
46	Thummalur	Papagni	116946	Pendlimarri	557	33737	0	6867
				Vallur	2722	9198	0	2865
47	Nayanipalle	Sagileru	117047	B.Matam	0	46993	0	521
				Sri Kasinayana	0	39410	0	16062
48	E.Ramapuram	Sagileru	117048	Kalasapadu	0	33115	0	13230

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha		Area of the mandal covered in the basin ha	
					6	7	C	NC
1	2	3	4	5	6	7	8	9
				Sri Kasinayana	0	39410	0	2611
49	Porumamilla	Sagileru	117049	B.Kodur	0	12760	0	1361
				Kalasapadu	0	33115	0	9452
				Sri Kasinayana	0	39410	0	1182
				Porumamiilla	0	44131	0	3567
50	Akkalreddy palle	Sagileru	117050	B.Kodur	0	12760	0	7995
				Sri Kasinayana	0	39410	0	510
				B.Matam	0	46993	0	45
				Kalasapadu	0	33115	0	480
				Porumamiilla	0	44131	0	14527
51	B.Kodur-Akkampet	Sagileru	117051	B.Kodur	0	12760	0	295
				Sri Kasinayana	0	39410	0	4766
				B.Matam	0	46993	0	3598
52	Rekalagunta	Sagileru	117052	B.Kodur	0	12760	0	240
				B.Matam	0	46993	0	7253
				Badvel	0	23794	0	8248
53	Badvel	Sagileru	117053	B.Kodur	0	12760	0	2329
				Badvel	0	23794	0	8633
				Gopavaram	0	34579	0	5127
				Porumamiilla	0	44131	0	6328
54	B.Matam	Sagileru	117054	Sri Kasinayana	0	39410	0	1170
				B.Matam	0	46993	0	16422
55	Atloor	Sagileru	117055	Atloor	0	44317	0	13899
				Badvel	0	23794	0	1542
56	Muthukur	Sagileru	117056	Atloor	0	44317	0	8642
				Badvel	0	23794	0	848
57	Ramapuram	Cheyyeru	117157	LRPalle	0	22251	0	6945
				Ramapuram	0	31782	0	9123
				Veeraballi	0	47514	0	535
58	LR Palle	Cheyyeru	117158	Galiveedu	0	36000	0	882
				LRPalle	0	22251	0	11219
				Ramapuram	0	31782	0	3585
				Rayachoty	0	20527	0	865
				Veeraballi	0	47514	0	1497
59	Chinnmandem	Cheyyeru	117159	Chinamandem	0	17716	0	13006
				Rayachoty	0	20527	0	11591
60	Sambepalle	Cheyyeru	117160	Chinamandem	0	17716	0	1670
				Rayachoty	0	20527	0	1914
				Sambepalle	0	27689	0	12848
61	Bandapalle	Cheyyeru	117161	LRPalle	0	22251	0	935
				Ramapuram	0	31782	0	3939
				Rayachoty	0	20527	0	2096
				Veeraballi	0	47514	0	2802
62	Veeraballe	Cheyyeru	117162	Rayachoty	0	20527	0	4061
				Sambepalle	0	27689	0	5054

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha		Area of the mandal covered in the basin ha	
					6	7	C	NC
1	2	3	4	5	6	7	8	9
				T.Sundupalle	0	50160	0	2792
				Veeraballi		47514	0	9305
63	Sanipaya	Cheyzeru	117163	Veeraballi		47514	0	2523
64	Gadikota	Cheyzeru	117164	Veeraballi	0	47514	0	882
65	Tsundupalle	Cheyzeru	117165	Sambepalle	0	27689	0	8627
				T.Sundupalle		50160	0	11252
66	Reddivaripalle	Cheyzeru	117166	T.Sundupalle		50160	0	6021
67	Rayavaram	Cheyzeru	117167	Rajampet	0	25474	0	420
				T.Sundupalle	0	50160	0	2960
68	Rayavaram-2	Cheyzeru	117168	Rajampet	0	25474	0	540
				T.Sundupalle	0	50160	0	360
				Veeraballi	0	47514	0	520
69	Gundlapalle	Cheyzeru	117169	T.Sundupalle	0	50160	0	4235
70	Pullampet	Cheyzeru	117170	Pullampet	0	32858	0	11919
				Rajampet	0	25474	0	495
71	Orampadu	Cheyzeru	117171	Obulavari palle	0	33800	0	14537
				Pullampet	0	32858	0	2854
72	Rajampet	Cheyzeru	117172	Penagaluru	0	40995	0	373
				Pullampet	0	32858	0	1860
				Rajampet	0	25474	0	9025
73	Dalavaipalle	Cheyzeru	117173	Obulavari palle	0	33800	0	728
				Pullampet	0	32858	0	5664
				Rajampet	0	25474	0	260
74	Musteru	Cheyzeru	117174	Kodur	0	56396	0	7263
				Obulavari palle	0	33800	0	2243
75	Kodur	Cheyzeru	117175	Kodur	0	56396	0	11890
76	Penagalur	Cheyzeru	117176	Chitvel	0	40769	0	4183
				Kodur	0	56396	0	793
				Obulavari palle	0	33800	0	4055
				Penagaluru	0	40995	0	8070
77	Kondur	Cheyzeru	117177	Chitvel	0	40769	0	4518
				Penagaluru	0	40995	0	9242
78	Chitvel	Cheyzeru	117178	Chitvel	0	40769	0	7975
79	Nandalur	Cheyzeru	117179	Nandaluru	0	27126	0	9524
				Rajampet	0	25474	0	561
				Vontimitta	0	37541	0	1663
80	Akepadu	Cheyzeru	117180	Pullampet	0	32858	0	1256
				Rajampet	0	25474	0	12998
81	Brahmana palle	Cheyzeru	117181	Nandaluru	0	27126	0	360
				Vontimitta	0	37541	0	660

**BASIN WISE GROUNDWATER ASSESSMENT REPORT OF  
CUDDAPAH DISTRICT**

S. No	Name of the basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual irrigation draft ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Kondapuram-Chamalur	0	8170	0	445	0	194	0	251	0	181	0	13	0	13	0	250	NA	44	NA	Safe
2	Kondapuram-Regadipalle	0	6752	0	572	0	667	0	0	0	639	0	28	0	29	0	0	NA	117	NA	OE
3	J.Madugu China dandur	0	13142	0	1006	0	624	0	382	0	572	0	52	0	413	0	22	NA	62	NA	Safe
4		0	20280	0	1106	0	304	0	802	0	282	0	22	0	57	0	767	NA	27	NA	Safe
5	Proddatur	0	11242	0	1865	0	1399	0	466	0	1256	0	143	0	870	0	0	NA	75	NA	SC
6	Vontimitta	0	14011	0	1030	0	943	0	87	0	860	0	83	0	100	0	71	NA	92	NA	Critical
7	Peddapalle	0	4302	0	289	0	276	0	13	0	249	0	28	0	28	0	13	NA	96	NA	Critical
8	Sidhout	0	6070	0	1174	0	825	0	348	0	778	0	48	0	48	0	348	NA	70	NA	SC
9	Vakkileru	11330	13468	2525	947	1204	895	1321	52	1087	800	117	95	125	162	1312	0	50	95	Safe	Critical
10	Kannela vagu	3976	1747	879	192	708	138	172	54	657	132	51	6	71	8	152	53	80	72	Safe	SC
11	Jinkal vanka	0	17629	0	1614	0	1809	0	0	0	1745	0	64	0	100	0	0	NA	112	NA	OE
12	Buggavanka Buggavanka	9066	12218	1431	797	328	483	1103	314	218	400	110	83	133	900	1080	0	23	61	Safe	Safe
13	CK Dinne	0	8779	0	1058	0	881	0	177	0	838	0	44	0	133	0	87	NA	83	NA	SC

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		C	NC	C	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22										
14	Gopavaram	0	6903	0	507	0	316	0	190	0	270	0	46	0	56	0	181	NA	62	NA	Safe										
15	Kalleivagu	0	8187	0	380	0	43	0	337	0	43	0	1	0	6	0	332	NA	11	NA	Safe										
16	Pulluruvanka	0	17717	0	737	0	513	0	224	0	471	0	42	0	76	0	190	NA	70	NA	Safe										
17	Kondapuram	0	19801	0	925	0	619	0	306	0	578	0	42	0	53	0	294	NA	67	NA	Safe										
18	Kondapuram- Etur	0	4532	0	360	0	416	0	0	0	399	0	16	0	20	0	0	NA	115	NA	OE										
19	Parnapalle	0	6889	0	356	0	339	0	17	0	331	0	8	0	15	0	10	NA	95	NA	Critical										
20	Medidine	0	28821	0	1415	0	438	0	977	0	389	0	49	0	63	0	963	NA	31	NA	Safe										
21	S.Uppala Pedda	0	8995	0	358	0	70	0	288	0	52	0	18	0	51	0	255	NA	20	NA	Safe										
22	medium	0	8904	0	464	0	247	0	217	0	229	0	18	0	54	0	181	NA	53	NA	Safe										
23	Rajupalem	7125	14160	1257	753	149	140	1108	613	121	118	29	23	34	65	1102	570	12	19	Safe	Safe										
24	Chapadu	9161	12491	1527	769	946	508	581	260	887	494	59	14	107	86	533	188	62	66	Safe	Safe										
25	Duvvur	10774	10729	3986	688	874	597	3112	91	800	547	74	50	132	79	3054	62	22	87	Safe	SC										
26	Goteru	4206	21530	1489	1281	388	1031	1101	250	311	985	77	46	113	90	1065	206	26	80	Safe	SC										
27	Veligallu	0	9196	0	752	0	288	0	465	0	278	0	10	0	14	0	460	NA	38	NA	Safe										
28	Gaiveedu	0	25351	0	2437	0	1944	0	492	0	1879	0	66	0	89	0	469	NA	80	NA	SC										
29	Surabhi	0	7493	0	710	0	683	0	27	0	640	0	43	0	52	0	19	NA	96	NA	Critical										

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
30	Kallurupalle	0	6038	0	563	0	522	0	41	0	510	0	12	0	15	0	38	NA	93	NA	Critical
31	Chakrayapet	0	8635	0	716	0	301	0	415	0	296	0	5	0	24	0	396	NA	42	NA	Safe
32	Vempalle	0	8625	0	544	0	557	0	0	0	546	0	11	0	12	0	0	NA	102	NA	OE
33	Idupulapaya	0	2844	0	375	0	346	0	29	0	341	0	4	0	16	0	17	NA	92	NA	Critical
34	Thallapalle	0	11521	0	642	0	670	0	0	0	635	0	35	0	37	0	0	NA	104	NA	OE
35	Vemula	0	22914	0	1280	0	1377	0	0	0	1315	0	61	0	71	0	0	NA	108	NA	OE
36	N.Palagiri	0	8019	0	434	0	319	0	114	0	293	0	27	0	32	0	109	NA	74	NA	SC
37	Gotur	0	5136	0	214	0	193	0	21	0	182	0	12	0	18	0	15	NA	90	NA	Critical
38	Pulivendula	0	24328	0	1141	0	1335	0	0	0	1263	0	72	0	161	0	0	NA	117	NA	OE
39	Santhakovvur	0	5863	0	305	0	196	0	110	0	189	0	6	0	10	0	106	NA	64	NA	Safe
40	Balapanur	0	15643	0	828	0	750	0	78	0	720	0	31	0	52	0	56	NA	91	NA	Critical
41	Simhadripuram	0	22904	0	1292	0	1222	0	70	0	1177	0	44	0	86	0	29	NA	95	NA	Critical
42	Thondur	0	6628	0	486	0	307	0	179	0	300	0	8	0	13	0	173	NA	63	NA	Safe
43	Uppalur	0	22085	0	1140	0	401	0	739	0	362	0	39	0	112	0	666	NA	35	NA	Safe
44	Payasam palle	0	22091	0	1261	0	865	0	395	0	804	0	61	0	139	0	317	NA	69	NA	Safe
45	Kamala puram	0	5794	0	920	0	913	0	8	0	898	0	14	0	31	0	0	NA	99	NA	Critical

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
46	Thummalur	0	9732	0	920	0	748	0	172	0	723	0	25	0	38	0	159	NA	81	NA	SC
47	Nayanipalle E.Rama	0	16583	0	907	0	845	0	62	0	827	0	18	0	68	0	12	NA	93	NA	Critical
48	puram	0	15841	0	971	0	695	0	277	0	672	0	23	0	47	0	253	NA	72	NA	SC
49	Porumamilla Akkareddy	0	15582	0	1124	0	1021	0	103	0	973	0	48	0	124	0	27	NA	91	NA	Critical
50	palle B.Kodur-	0	26104	0	2123	0	2154	0	0	0	2092	0	62	0	154	0	0	NA	101	NA	OE
51	Akkampel	0	8659	0	546	0	254	0	292	0	237	0	17	0	39	0	270	NA	46	NA	Safe
52	Rekalagunta	0	15741	0	1127	0	1016	0	111	0	1001	0	15	0	64	0	61	NA	90	NA	Critical
53	Badvei	0	22417	0	1911	0	1720	0	191	0	1677	0	43	0	167	0	67	NA	90	NA	Critical
54	B.Matam	0	17592	0	1165	0	872	0	293	0	834	0	38	0	92	0	239	NA	75	NA	SC
55	Atloor	0	15441	0	1027	0	1036	0	0	0	994	0	41	0	63	0	0	NA	101	NA	OE
56	Muthukur	0	9490	0	650	0	613	0	37	0	583	0	31	0	56	0	11	NA	94	NA	Critical
57	Ramapuram	0	16603	0	1461	0	765	0	696	0	716	0	49	0	79	0	666	NA	52	NA	Safe
58	LRPalle Chinn	0	18048	0	1462	0	1230	0	232	0	1209	0	20	0	93	0	159	NA	84	NA	SC
59	mandem	0	24597	0	2230	0	1402	0	829	0	1321	0	81	0	129	0	780	NA	63	NA	Safe
60	Sambepalle	0	16432	0	1175	0	667	0	508	0	603	0	64	0	123	0	449	NA	57	NA	Safe
61	Bandapalle	0	9772	0	861	0	598	0	263	0	565	0	33	0	39	0	257	NA	69	NA	Safe



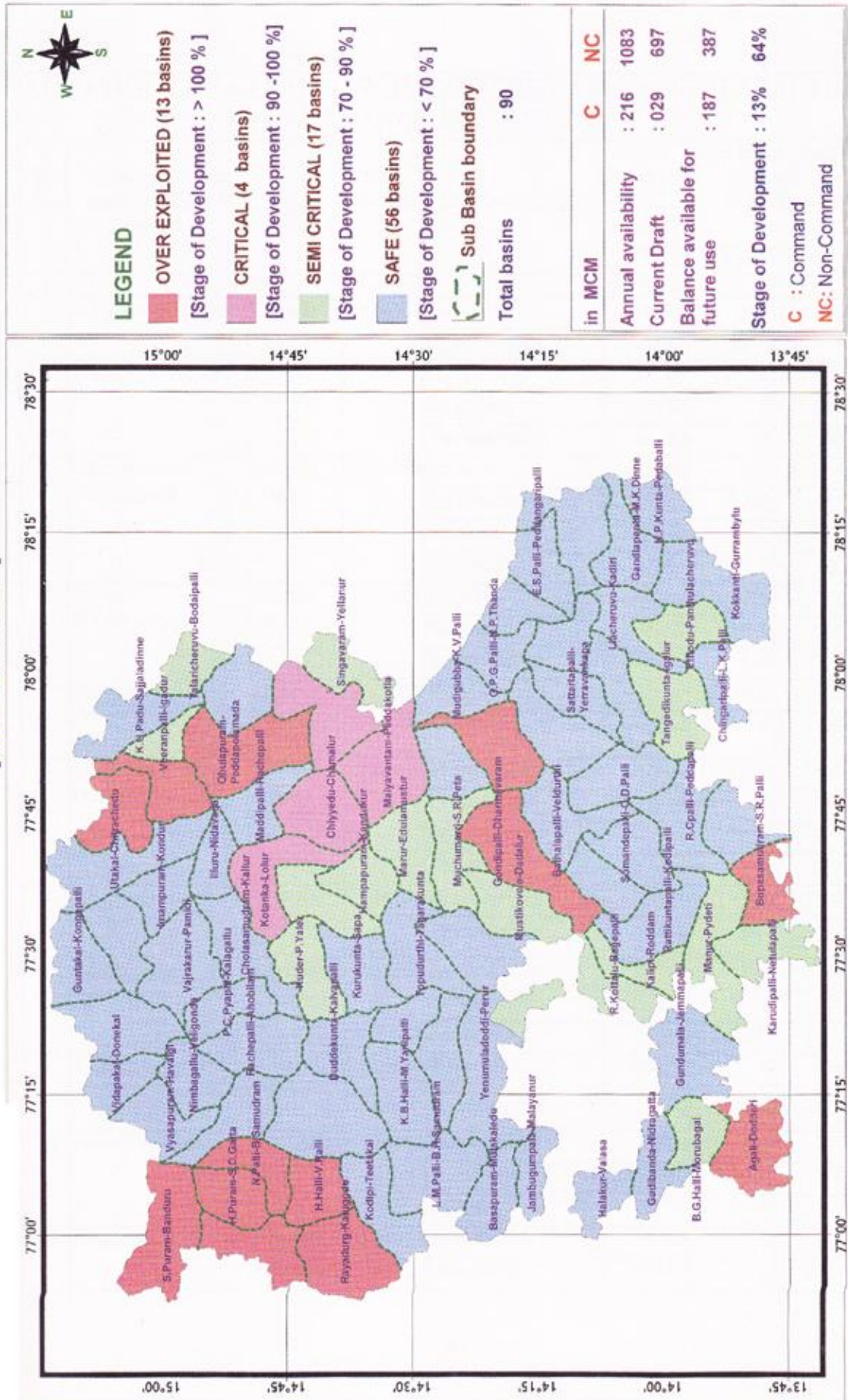
S. No	Name of the basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual irrigation draft ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
62	Veeraballe	0	21212	0	1699	0	1595	0	104	0	1540	0	55	0	103	0	56	NA	94	NA	Critical
63	Sanipaya	0	2523	0	257	0	297	0	0	0	284	0	13	0	16	0	0	NA	115	NA	OE
64	Gadikota	0	882	0	102	0	95	0	7	0	89	0	6	0	8	0	6	NA	93	NA	Critical
65	Tsundupalle	0	19879	0	1589	0	1256	0	333	0	1209	0	47	0	81	0	299	NA	79	NA	SC
66	Reddivaripalle	0	6021	0	493	0	415	0	78	0	403	0	13	0	28	0	62	NA	84	NA	SC
67	Rayavaram	0	3380	0	277	0	167	0	110	0	160	0	8	0	15	0	102	NA	60	NA	Safe
68	Rayavaram-2	0	1420	0	132	0	124	0	8	0	120	0	4	0	7	0	6	NA	94	NA	Critical
69	Gundlapalle	0	4235	0	316	0	200	0	116	0	187	0	13	0	18	0	111	NA	63	NA	Safe
70	Pullampet	0	12414	0	778	0	726	0	53	0	664	0	62	0	74	0	40	NA	93	NA	Critical
71	Orampadu	0	17391	0	1397	0	1335	0	62	0	1250	0	85	0	96	0	51	NA	96	NA	Critical
72	Rajampet	0	11258	0	861	0	884	0	0	0	740	0	144	0	173	0	0	NA	103	NA	OE
73	Dalavaipalle	0	6652	0	439	0	511	0	0	0	446	0	66	0	79	0	0	NA	116	NA	OE
74	Musteru	0	9506	0	710	0	760	0	0	0	677	0	83	0	127	0	0	NA	107	NA	OE
75	Kodur	0	11890	0	805	0	498	0	306	0	428	0	70	0	161	0	216	NA	62	NA	Safe
76	Penagalur	0	17101	0	1354	0	1538	0	0	0	1407	0	130	0	195	0	0	NA	114	NA	OE
77	Kondur	0	13760	0	879	0	576	0	303	0	516	0	60	0	86	0	277	NA	66	NA	Safe

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
7	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
78	Chitvel	0	7975	0	633	0	675	0	0	0	624	0	51	0	79	0	0	NA	107	NA	OE	
79	Nandalur	0	11748	0	781	0	756	0	25	0	653	0	102	0	123	0	5	NA	97	NA	Critical	
80	Akepadu	0	14254	0	1024	0	850	0	174	0	761	0	88	0	106	0	157	NA	83	NA	SC	
81	Brahmana palle	0	1020	0	60	0	21	0	39	0	18	0	3	0	4	0	38	NA	35	NA	Safe	
	District Total	55638	1001714	13094	71374	4598	56818	8496	14556	4080	53464	517	3354	716	7512	8298	10398	35	80	Safe	SC	
	Total [C + NC]	1057352	84468	61415	23053	57544	3871	8228	18696	8228	18696	8228	18696	8228	18696	8228	18696	8228	18696	8228	18696	8228
	ABSTRACT	OE =15		Critical = 22		SC = 15		Safe = 29		Total Basins = 81												

Note:- OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)



# STATUS OF GROUNDWATER DEVELOPMENT - ANANTAPUR DISTRICT [ SUB - BASIN WISE ]





LOCATION DETAILS OF GROUNDWATER ASSESSMENT UNITS IN ANANTHAPUR DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	S.Puram-Banduru	Krishna_Hagari	124601	D.Hirehal	31590	323	18697
				Bommanahal	33780	3648	14688
2	Mallapuram-Kadlur	Krishna_Hagari	124602	D.Hirehal	31590	51	9316
				Rayadurg	26610	0	8553
				Bommanahal	33780	56	1389
3	Hampapuram-Suddagatta	Krishna_Hagari	124603	Kanekal	57350	583	7293
				Bommanahal	33780	1726	5717
				Rayadurg	26610	0	925
				D.Hirehal	31590	0	3303
4	N.Palli-B.Samudram	Krishna_Hagari	124604	Kanekal	57350	3358	11282
				Rayadurg	26610	0	660
				Bommanahal	33780	114	250
5	Vidapanakal-Donekal	Krishna_Hagari	124605	Vidapanakal	37690	2120	9159
				Vajrakarur	40760	0	2245
6	Vyasapuram-Havalgi	Krishna_Hagari	124606	Vidapanakal	37690	1729	11867
				Uravakonda	39281	90	1478
				Bommanahal	33780	1227	2713
				Kanekal	57350	0	55
7	Nimba gallu-Veligonda	Krishna_Hagari	124607	Uravakonda	39281	196	15325
				Vidapanakal	40760	849	4332
8	Sollapuram-Govindava	Krishna_Hagari	124608	Bommanahal	33780	1122	2665
				Uravakonda	39281	0	5706
				Kanekal	57350	293	23559
9	Rayadurg-Kalugodu	Krishna_Hagari	124609	Rayadurg	26610	0	8642
				Gummagatta	23870	2114	18343
10	H.Halli-V.Ralli	Krishna_Hagari	124610	Gummagatta	23870	437	2972
				Rayadurg	57350	296	12691
				Kanekal	26610	0	1805
11	Chapiri-Malyam	Krishna_Hagari	124611	Uravakonda	38150	0	840
				Beluguppa	31840	0	24690

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Kanekal	57350	0	5315
				Kalyanadurgam	44410	0	9053
12	Kodipi-Teetakal	Krishna_Hagari	124612	Brahmasamudram	28310	0	20804
				Kalyanadurgam	44410	0	508
13	L.M.palli-B.H.Samudram	Krishna_Hagari	124613	Settur	28880	0	21054
				Brahmasamudram	28310	0	8013
				Kalyanadurgam	44410	0	1190
				Kundurpi	27440	0	134
14	K.B.Halli-M.Nayani palli	Penna	126414	Kalyanadurgam	44410	0	21502
				Kambadur	39140	0	522
15	Mulakanur-Ramapuram	Penna	126415	Kalyanadurgam	44410	0	708
				Kambadur	39140	0	16240
				Kanaganipalle	41240	0	2993
16	Basapuram-Mulakaledu	Krishna_Hagari	124616	Settur	28880		9727
				Kundurpi	27440		8425
17	Yenumuladoddi-Perur	Penna	126417	Ramagiri	32540	0	4596
				Kanaganipalle	41240	0	1408
				Kambadur	39140	0	16651
				kundurpi	27440	0	9237
18	Jambugumpala-Malayanur	Krishna (Hagari)	124618	kundurpi	27440	0	9947
19	Halakur-Valasa	Krishna (Hagari)	124619	Amarapuram	20650	0	12761
20	Gudibanda-Nidragatta	Krishna (Hagari)	124620	Amarapuram	20650	0	9959
				Gudibanda	19960	0	6439
21	B.G.Halli-Morubagal	Krishna (Hagari)	124621	Gudibanda	19960	0	12553
				Rolla	13940	0	3139
				Madakasira	30850	0	284
22	Agali-Dodderi	Krishna (Hagari)	124622	Agali	23005		12342
				Rolla	13940		10664
23	Guntakal-Konganapalli	Penna	126523	Guntakal	25095	513	24582
				Vajrakarur	40760	271	20
24	Peddahotur-Kottala	Krishna	124624	Vajrakarur	40760	310	15371

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
		(Hagarri)		Vidapanakal	37690	733	5332
				Guntakal	40390	0	5305
25	Kamalapuram-Erragudi	Penna	126525	Guntakal	40390	490	8666
				Gooty	35280	3218	6098
				Vajrakarur	40760	0	2576
26	Utakal-Chitrahedu	Penna	126526	Peddavaduguru	28670	1837	12136
				Gooty	35280	334	18380
				Guntakal	40390	0	831
				Pamidi	27330	0	126
27	Vajrakarur-Pamidi	Penna	126527	Vajrakarur	40760	0	11370
				Pamidi	27330	1310	15816
				Guntakal	40390	147	525
28	Imampuram-Kondur	Penna	126528	Pamidi	27330	2381	6791
				Gooty	35280	149	1336
				Peddavaduguru	28670	161	2229
				Guntakal	40390	298	593
29	Rachepalli-Ahobilam	Penna	126429	Uravakonda	38150	0	14708
				Kuderu	35820	0	7645
				Beluguppa	31820	0	1339
30	P.C.Pya pili-Kalagallu	Penna	126430	Vajrakarur	40750	0	7149
				Kuderu	35820	0	7647
				Uravakonda	38158	0	3113
31	Cholasamudram-Kallur	Penna	126531	Garladinne	15765	1563	14202
				Kuderu	6316	0	6316
32	Illuru-Nidana vada	Penna	126532	Garladinne	15765	1314	2152
				Singanamala	31020	2327	6172
33	Duddekunta-Kalvapalli	Penna	126433	Beluguppa	46860	0	7951
				Atmakur	26820	0	4329
				Kuderu	35810	0	1198
				Kalyanadurgam	42030	0	3286
34	Kuder-P.Yaler	Penna	126634	Atmakur	26820	0	5933
				Anantapur	36220	0	1914
				Kuderu	35810	0	11952



S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Garladinne	27020	0	179
35	Kotanka-Lolur	Penna	126635	Singanamala	31020	848	5135
				B.K.Samudram	27120	488	806
				Anantapur	36220	0	829
				Kuderu	35810	0	164
				Garladinne	27020	520	7537
36	R.C.Palli-B.K.Samudram	Penna	126636	B.K.samudram	27120	831	8649
				Anantapur	36220	187	10823
				Atmakur	26820	0	339
				Raptadu	26810	0	2719
37	Manireve-M.Chervu	Penna	126437	Kanaganipalle	41240	0	3674
				Kambadur	39140	0	2317
				Atmakur	26820	0	324
				Kalyanadurgam	42030	0	5923
38	Kurukunta-Sanapa	Penna	126638	Atmakur	26820	0	15282
				Anantapur	36220	0	3415
				Kanaganipalle	41240	0	541
39	Hampapuram-Kandukur	Penna	126639	Raptadu	26810	0	6986
				Anantapur	36220	0	6131
				B.K.Samudram	27120	0	354
40	Topudurthi-Tagarakunta	Penna	126640	Kanaganipalle	41240	0	12262
				Raptadu	26810	0	10580
				Atmakur	26820	0	1031
				Kambadur	49180	0	263
				Ramagiri	32040	0	604
41	Marur-Edulamustur	Penna	126741	Raptadu	26810	0	4744
				Kanaganipalle	41240	0	794
				Dharmavaram	37730	0	6421
				Bathalapalli	23490	0	6258
				Anantapur	36220	0	1428
42	Ramagiri-Ramapuram	Penna	126642	Kanaganipalle	41240	0	10399
				Ramagiri	32540	0	9330
43	Muchumarri-	Penna	126743	Kanaganipalle	41240	0	6958

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
	S.R.Peta			Ramagiri	32540	0	619
				Dharmavaram	32380	0	15928
44	M.C.palli-Perur	Penna	126344	Kambadur	39142	0	1482
				Ramagiri	32538	0	5578
45	R.Kottalu-Naranagepalli	Penna	126345	Roddam	35117	0	6168
46	Mustikovela-Dadalur	Penna	126746	Kanaganipalle	41240	0	786
				Ramagiri	32540	0	11074
				Chennekothapalle	32640	0	9926
				Penukonda	30930	0	1120
				Roddam	35150	0	1329
47	Gondipalli-Dharmavaram	Penna	126747	Chennekothapalle	32640	0	20839
				Dharmavaram	32380	0	5075
				Kothacheruvu	20690	0	90
				Penukonda	30930	0	4842
48	Gundumala-Jammanapalli	Penna	126348	Madakasira	30850	0	26480
				Gudibanda	19960	0	1086
49	Dodagatta-Moravapalli	Penna	126349	Roddam	35120	0	5850
50	Kalipi-Roddam	Penna	126350	Roddam	35120	0	11740
				Parigi	15675	0	109
51	Rattikuntapalli-Kodipalli	Penna	126351	Penukonda	30930	0	5663
				Roddam	35120	0	7712
				Somandepalle	22950	0	16248
				Hindupur	20132	0	227
52	Mahadevapalli-Pothulakunta	Penna	126752	Kothacheruvu	26690	0	1090
				Penukonda	30930	0	12602
				Roddam	35120	0	655
53	Bathalapalli-Veldurthi	Penna	126753	Chennekothapalle	32640		920
				Puttaparthi	27000		4065
				Bukkapatnam	26770		707
				Kothacheruvu	26690		15306
54	Somandepalli-O.D.Palli	Penna	126754	Penukonda	30930	0	6643
				Somandepalle	22940	0	3999

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Puttaparthi	27000	0	4276
				Kothacheruvu	20690	0	3623
				Gorantla	34150	0	1866
55	Manur-Pydeti	Penna	126355	Parigi	15680	0	9631
				Somandepalle	22940	0	2516
				Madakasira	30850	0	7081
				Hindupur	16450	0	6501
				Lepakshi	14730	0	2405
56	R.Cpalli-Peddapalli	Penna	126756	Chilamathur	29050	0	310
				Gorantla	34150	0	22455
				Puttaparthi	27000	0	424
				Somandepalle	22940	0	44
57	Karudipalli-Netulapalli	Penna	126357	Parigi	15680	0	5636
				Hindupur	16450	0	14122
				Lepakshi	14730	0	1527
58	Bupasamudram-S.R.Palli	Penna	126358	Hindupur	16450	0	195
				Lepakshi	14730	0	7536
59	Venkatapuram-Motukapalli	Penna	126759	Chilamathur	29050	0	16617
				Gorantla	34150	0	499
60	Kothapalli-Tootrallapalli	Penna	126560	Gooty	21130	0	3999
				Peddavaduguru	28680	335	7084
				Yadiki	32220	0	6298
61	K.U.Padu-Sajjaladinne	Penna	126561	Tadipatri	38810	0	7403
				Yadiki	32220	0	14910
62	Padavakottala-Kummetha	Penna	126562	Peddavaduguru	28680	0	4341
				Peddapappuru	22810	0	7157
				Yadiki	32220	0	7643
63	Veerannapalli-Igudur	Penna	126563	Yadiki	32220	0	2734
				Peddapappuru	22810	0	3025
				Tadipatri	38810	0	1464
64	Talaricheruvu-Bodaipalli	Penna	126564	Tadipatri	38810	0	10179
65	Maddipalli-	Penna	126665	Narpala	24100	562	5862

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
	Rachepalli			Singanamala	31020	393	14820
				B.K.Samudram	25090	7	154
66	Obulapuram-Peddapolamada	Penna	126566	Peddapappuru	22810	263	10972
				Tadipatri	38810	1136	2139
				Singanamala	31020	0	1272
				Narpala	24100	0	81
				Yellanur	30280	0	297
				Putlur	34170	2050	10609
67	Putlur-Bondaladinne	Penna	126567	Tadipatri	38810	2049	18823
				Putlur	34170	642	8541
68	Chiyvedu-Chamalur	Penna	126668	Anantapur	24180	0	1998
				B.K.Samudram	25090	1512	6907
				Bathalapalli	22680	0	136
				Narpala	24100	792	13824
69	Madugupalli-Medikurthi	Penna	126769	Narpala	24100	0	2417
				Putlur	34170	0	7204
				Yellanur	30280	0	7136
				Tadipatri	38810	0	5591
70	Singavaram-Yellanur	Penna	126770	Yellanur	30280	1903	14637
71	Malyavantam-Peddakotla	Penna	126771	Narpala	24100	0	1558
			126771	Bathalapalli	22680	0	5867
			126771	Mudigubba	46100	0	2549
			126771	Tadimarri	25230	0	16813
72	C.R.Patnam-Uppalapadu	Penna	126772	Bathalapalli	22680	0	9432
				Mudigubba	46100	0	3657
				Dharmavaram	32380	0	4620
73	Mudigubba-K.V.Palli	Penna	126773	Mudigubba	46100	0	15676
				Bukkapatnam	26770	0	107
74	C.R.Palli-Gangireddypalli	Penna	126774	Mudigubba	46100	0	8719
				Dharmavaram	32380	0	4983
				Chennekothapalle	32640	0	16388
75	G.P.G. Palli-	Penna	126975	Mudigubba	46100	0	13563

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
	N.P.Thanda			Talapula	28040	0	2152
				Kadiri	22390	0	1222
76	Bonthalapalli-Kondapuram	Penna	126976	Bukkapatnam	26770	0	5408
				Nallamada	22500	0	673
				Puttaparthi	27000	0	4310
77	Sattarlapalli-Yerravankapalli	Penna	126777	Nallamada	22500	0	12601
				Mudigubba	46100	0	1246
				O.D.Chervu	18640	0	2847
78	Mustipalli-Patnam	Penna	126778	Gandlapenta	14970	0	1075
				Talapula	28040	0	243
				Kadiri	22370	0	8858
				Nallamada	22500	0	2414
79	Alampur-P.Gollapalli	Penna	126979	Mudigubba	46100	0	1235
				Talapula	28040	0	5729
80	E.S.Palli-Peddannagaripalli	Penna	126980	Talapula	28040	0	13119
				Kadiri	22370	0	439
81	Jakkasamudram-Puttaparthi	Penna	126781	Kothacheruvu	26690	0	864
				Bukkapatnam	26770	0	706
				Puttaparthi	27000	0	11102
				Gorantla	34150	0	5835
82	Balappagaripalli-P.R.Palli	Penna	126782	Puttaparthi	27000	0	205
				O.D.Chervu	18640	0	4105
				Nallamada	22500	0	6181
				Kadiri	22370	0	4100
83	Nallacheruvu-Kadiri	Penna	126783	Kadiri	22370	0	7941
				Gandlapenta	14970	0	1335
				Nallacheruvu	15460	0	1747
				O.D.Chervu	18640	0	1756
84	Thummalabylu-Gowkanapalli	Penna	126984	Talapula	28040	0	7737
				Nambulapuli Kunta	28860	0	8778
				Gandlapenta	14970	0	2624
85	Tangedikunta-	Penna	126985	Nallamada	22500	0	553

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
	Chinnagar			Gorantla	34150	0	848
				O.D.Chervu	18640	0	14252
				Amadagur	22290	0	7037
86	Chinnagaripalli-L.K.palli	Penna	126986	Amadagur	22290	0	9830
87	Ethodu-Panthulacheruvu	Penna	126787	Kadiri	22370	0	77
				Tanakal	30380	0	6918
				Nallacheruvu	15460	0	776
				Gandlapenta	14970	0	10277
88	Kokkanti-Gurrambylu	Penna	126988	Nambulapuli Kunta	28860	0	1681
				Tanakal	30380	0	23466
				Nallacheruvu	15460	0	2130
				Gandlapenta	14970	0	1090
89	N.P.Kunta-Pedaballi	Penna	126989	Nambulapuli Kunta	28860	0	10085
90	Gandlapenta-M.K.Dinne	Penna	126990	Nambulapuli Kunta	28860	0	8021
				Gandlapenta	14970	0	9406

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
ANANTAPUR DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	S.Puram-Banduru	3971	28733	1986	1272	167	1523	1818	0	163	1468	4	54	24	251	1799	0	8	120	Safe	OE	
2	Mallapuram-Kadlur	107	16876	54	1109	15	1463	39	0	13	1438	2	25	2	208	38	0	28	132	Safe	OE	
3	Hampapuram-Suddagatta	2309	16944	1155	1202	186	1629	968	0	181	1600	5	30	15	192	958	0	16	136	Safe	OE	
4	N.Palli-B.Samudram	3472	11999	486	811	244	913	241	0	241	884	3	29	20	137	224	0	50	113	Safe	OE	
5	Vidapakal-Donkal	2120	11404	951	719	40	147	912	572	36	124	4	23	11	121	904	474	4	20	Safe	Safe	
6	Vyasapuram-Havalgi	3046	16113	1523	1132	35	199	1488	934	30	172	5	27	20	174	1473	787	2	18	Safe	Safe	
7	Nimbagallu-Veligonda	1045	19657	523	1100	25	275	497	825	25	204	0	71	8	160	489	736	5	25	Safe	Safe	
8	Sollapuram-Govindava	1415	31930	708	1578	41	449	667	1129	40	420	1	29	9	170	659	988	6	28	Safe	Safe	
9	Rayadurg-Kalugodu	2114	24385	154	1860	296	2368	0	0	287	2239	9	129	42	570	0	0	192	127	OE	OE	
10	H.Halli-V.Ralli	721	17225	361	1384	81	1671	280	0	79	1624	2	47	3	157	278	0	22	121	Safe	OE	
11	Chapiri-Malyam	0	37807	0	2129	0	839	0	1290	0	771	0	67	0	185	0	1172	NA	39	NA	Safe	
12	Kodipi-Teetakal	0	20106	0	969	0	180	0	789	0	139	0	42	0	104	0	727	NA	19	NA	Safe	
13	L.M.Palli-B.H.Samudram	0	27138	0	1224	0	476	0	748	0	425	0	61	0	125	0	674	NA	39	NA	Safe	

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
14	Kurabahalli-Muddinayaniipalli	0	19205	0	1361	0	425	0	936	0	380	0	44	0	99	0	882	NA	31	NA	Safe
15	Mulakanur-Ramapuram	0	19188	0	868	0	404	0	465	0	362	0	42	0	65	0	441	NA	47	NA	Safe
16	Basapuram-Mulakaledu	0	18149	0	1109	0	241	0	868	0	208	0	33	0	81	0	820	NA	22	NA	Safe
17	Yenumuladoddi-Perur	0	31017	0	1428	0	517	0	912	0	498	0	19	0	164	0	767	NA	36	NA	Safe
18	Jambugumpala-Malayanur	0	8479	0	559	0	207	0	352	0	185	0	22	0	67	0	307	NA	37	NA	Safe
19	Halakur-Valasa	0	12761	0	915	0	359	0	557	0	330	0	29	0	114	0	472	NA	39	NA	Safe
20	Gudibanda-Nidragatta	0	16286	0	1285	0	504	0	761	0	453	0	51	0	129	0	684	NA	40	NA	Safe
21	B.G.Halli-Morubagal	0	12153	0	905	0	646	0	259	0	592	0	54	0	148	0	165	NA	71	NA	SC
22	Agali-Dodderi	0	21847	0	2349	0	2509	0	0	0	2401	0	108	0	222	0	0	NA	107	NA	OE
23	Guntakal-Kongapalli	717	23438	359	1106	11	474	348	632	10	431	1	44	4	185	344	491	3	43	Safe	Safe
24	Peddahotur-Kottala	1043	25546	442	1135	5	251	437	884	5	217	1	34	5	223	433	695	1	22	Safe	Safe
25	Kamalapuram-Erragudi	3535	15102	1326	1303	140	346	1186	957	125	319	15	28	18	139	1183	846	11	27	Safe	Safe
26	Utakal-Chitrachedu	1605	27122	803	1845	36	644	766	1201	33	541	3	103	24	593	745	711	4	35	Safe	Safe
27	Vajrakurur-Pamidi	1227	21052	614	1338	95	707	518	631	92	650	3	56	14	184	507	504	16	53	Safe	Safe
28	Mampuram-Kondur	2989	10949	986	698	125	412	861	286	115	391	10	21	22	179	849	128	13	59	Safe	Safe



S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation			
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
29	Rachepalli-Ahobilam	0	23126	0	1102	0	311	0	791	0	278	0	33	0	87	0	738	NA	28	NA	NA	Safe	Safe
30	P.C.Pyapili-Kalagallu	0	15758	0	870	0	314	0	557	0	285	0	29	0	62	0	524	NA	36	NA	NA	Safe	Safe
31	Cholasamudram-Kallur	1346	17164	673	1299	113	829	560	471	103	762	10	67	11	221	559	316	17	64	Safe	Safe	Safe	Safe
32	Illuru-Nidavada	2988	6292	1328	564	182	361	1146	203	173	345	9	16	23	84	1133	135	14	64	Safe	Safe	Safe	Safe
33	Duddekunta-Kalvapalli	0	15874	0	748	0	391	0	357	0	364	0	27	0	63	0	321	NA	52	NA	NA	Safe	Safe
34	Kuder-P.Yaler	0	18242	0	673	0	513	0	160	0	467	0	46	0	109	0	98	NA	76	NA	NA	SC	SC
35	Koianka-Lolur	1841	13620	921	810	126	754	794	56	119	707	7	46	21	155	780	0	14	93	Safe	Safe	Critical	Critical
36	R.C.Palli-B.K.Samudram	1018	22530	509	1446	76	1022	433	424	70	932	5	90	14	358	424	155	15	71	Safe	Safe	SC	SC
37	Manireve-M.Chervu	0	11806	0	638	0	290	0	349	0	269	0	20	0	43	0	326	NA	45	NA	NA	Safe	Safe
38	Kurukunta-Sapa	0	16778	0	624	0	331	0	292	0	289	0	42	0	74	0	261	NA	53	NA	NA	Safe	Safe
39	Hampapuram-Kandukur	0	13455	0	831	0	621	0	210	0	591	0	30	0	41	0	199	NA	75	NA	NA	SC	SC
40	Topudurthi-Tagarakunta	0	21827	0	1226	0	801	0	425	0	757	0	44	0	90	0	379	NA	65	NA	NA	Safe	Safe
41	Marur-Edulamustur	0	19501	0	1208	0	928	0	280	0	876	0	52	0	110	0	222	NA	77	NA	NA	SC	SC
42	Ramagiri-Ramapuram	0	18950	0	928	0	492	0	436	0	457	0	35	0	62	0	409	NA	53	NA	NA	Safe	Safe
43	Muchamathi-B.Peta	0	21992	0	1313	0	1075	0	238	0	1023	0	52	0	277	0	13	NA	82	NA	NA	SC	SC

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation			
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
44	M.C.Palli-Perur	0	6731	0	390	0	302	0	88	0	285	0	17	0	26	0	79	NA	77	NA	SC	SC	SC
45	R.Kottalu-Ragepalli	0	6011	0	576	0	496	0	80	0	476	0	19	0	30	0	69	NA	86	NA	SC	SC	SC
46	Mustikovela-Dadalar	0	21992	0	1279	0	1124	0	155	0	1078	0	46	0	85	0	116	NA	88	NA	SC	SC	SC
47	Gondipalli-	0	27476	0	1584	0	1834	0	0	0	1751	0	83	0	312	0	0	NA	116	NA	OE	OE	OE
48	Gundumala-Jammampalli	0	25831	0	2144	0	1407	0	737	0	1309	0	98	0	243	0	593	NA	66	NA	Safe	Safe	Safe
49	Dodagatta-Moravapalli	0	5850	0	521	0	303	0	218	0	291	0	12	0	32	0	198	NA	58	NA	Safe	Safe	Safe
50	Kalipi-Roddam	0	11222	0	798	0	603	0	195	0	578	0	25	0	62	0	159	NA	76	NA	SC	SC	SC
51	Ratikuntapalli-Kodipalli	28420	0	2484	0	1238	0	1246	0	1160	0	78	0	158	0	1166	0	50	NA	NA	Safe	Safe	Safe
52	Mahadevapalli-Pothulakunta	0	11497	0	1023	0	494	0	529	0	463	0	31	0	49	0	510	NA	48	NA	Safe	Safe	Safe
53	Bathalapalli-Veldug'	0	17769	0	1504	0	742	0	762	0	679	0	63	0	143	0	682	NA	49	NA	Safe	Safe	Safe
54	Somandepalli-O.D.Palli	0	17318	0	1538	0	709	0	829	0	676	0	33	0	113	0	749	NA	46	NA	Safe	Safe	Safe
55	Manur-Pydeti	0	26641	0	2373	0	1749	0	625	0	1639	0	109	0	196	0	538	NA	74	NA	SC	SC	SC
56	P.Palli-Peddapalli	0	19913	0	1565	0	809	0	755	0	759	0	50	0	210	0	595	NA	52	NA	Safe	Safe	Safe
57	Karudipalli-Netulapalli	0	21285	0	1806	0	1531	0	275	0	1435	0	96	0	666	0	0	NA	85	NA	SC	SC	SC
58	Bupasamudram-S.R.Palli	0	7615	0	823	0	830	0	0	0	789	0	41	0	77	0	0	NA	101	NA	OE	OE	OE

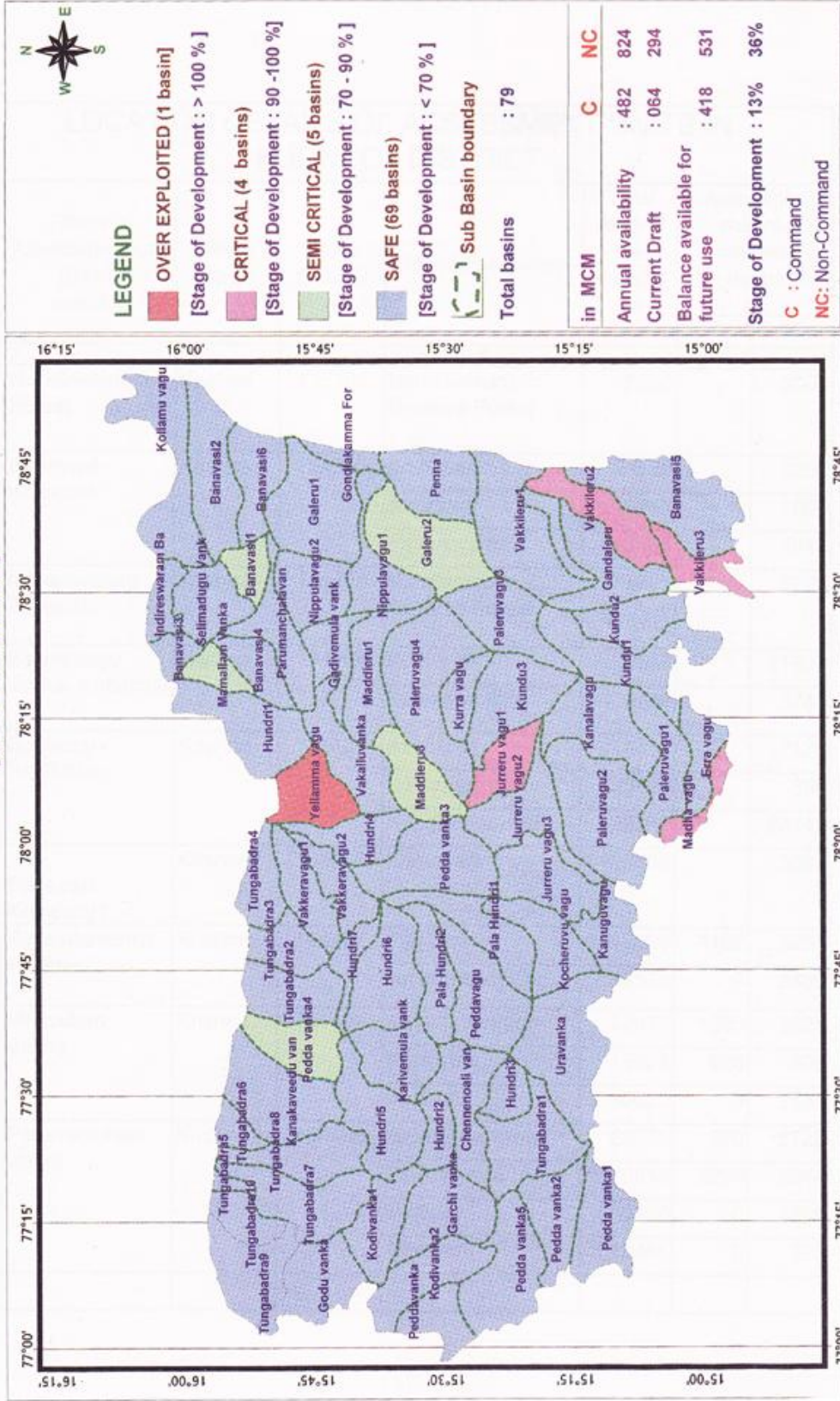
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
59	Venkatapuram-Motukapalli	0	16483	0	1277	0	828	0	449	0	748	0	80	0	134	0	396	NA	65	NA	Safe
60	Kothapalli-Tootralapalli	335	14174	168	936	4	1222	164	0	4	1163	0	59	3	268	161	0	2	130	Safe	OE
61	K.U.Padu-Sajjaladinne	0	19913	0	1145	0	594	0	552	0	558	0	35	0	83	0	505	NA	52	NA	Safe
62	Padavakottala Kummetha	0	17223	0	1031	0	1405	0	0	0	1371	0	34	0	113	0	0	NA	136	NA	OE
63	Veeranpalli-Igudur	0	6593	0	403	0	359	0	44	0	339	0	20	0	55	0	10	NA	89	NA	SC
64	Talaricheruvu-Bodaipalli	0	10179	0	680	0	601	0	80	0	588	0	13	0	31	0	62	NA	88	NA	SC
65	Maddipalli-Facheppalli	962	20836	481	1737	76	1197	405	539	73	1135	3	62	9	259	399	343	16	69	Safe	Safe
66	Obulapuram-Peddapolamada	3449	25370	1725	2405	362	2871	1362	0	354	2801	8	71	21	311	1350	0	21	119	Safe	OE
67	Purtur-Bondaladinne	2691	27364	1346	1782	132	898	1213	884	127	849	6	49	11	171	1207	761	10	50	Safe	Safe
68	Chiyvedu-Chamalur	2304	22865	1152	1462	185	1355	967	108	178	1278	7	77	17	324	956	0	16	93	Safe	Critical
69	Madugupalli-Medikurthi	0	22348	0	1496	0	1457	0	40	0	1407	0	49	0	100	0	0	NA	97	NA	Critical
70	Singavaram-Yellanur	1903	14637	864	907	89	783	775	124	85	748	3	36	8	138	770	21	10	86	Safe	SC
71	Malyavantam-Peddakotla	0	26787	0	1369	0	1271	0	98	0	1194	0	77	0	159	0	17	NA	91	NA	Critical
72	C.R.Patm-Uppalapadu	0	17709	0	1199	0	602	0	597	0	550	0	52	0	76	0	572	NA	50	NA	Safe
73	Medigubba-K.V Palli	0	15783	0	1344	0	235	0	1109	0	204	0	31	0	75	0	1065	NA	17	NA	Safe



Sl. No.	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
89	N.P.Kunta-Pedaballi	0	10085	0	712	0	151	0	561	0	128	0	22	0	45	0	539	NA	21	NA	Safe
90	Gandlapenta-M.K.Dinne	0	16949	0	1321	0	500	0	821	0	427	0	74	0	98	0	797	NA	38	NA	Safe
	District Total	50273	1623691	21592	108341	2888	696666	18704	38675	2761	65390	127	4276	382	13365	18449	29586	13	64	Safe	Safe
	Total [C+NC]	1673964		129933		72554		57379		68150		4403		13747		48036					
	ABSTRACT		OE = 13		Critical = 4		SC = 17		safe =56		Total Basins = 90										

Note:- OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT- KURNOOL DISTRICT [ SUB - BASIN WISE ]





LOCATION DETAILS OF ASSESSMENT UNITS IN KURNOOL DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Gondlakamma Forest	Krishna	135701	Nandikotkuru Reserve Forest	5200		3000
2	Banavasi-Kottapalli	Krishna	134402	Kothapalli	23536		6266
				Atmakuru	18465		1800
				Pamulapadu	19838		4047
3	Indireswaram Bavanasi	Krishna	134403	Nandikotkuru Reserve Forest	7225		7225
4	Selimadugu vanka- Kottapalli	Krishna	134404	Kothapalli	23536		11937
				Kothapalli RF	3749		3749
5	Bavanasi-Nandikatkur	Krishna	134405	Atmakuru	18465		7173
				Kothapalli	23536		390
				Nandikotkuru RF	22742		22742
6	Banavasi Kothpally1	Krishna	134406	Kothapalli	23536		3084
7	Banavasivanka Pagidyala	Krishna	134407	Pagidyala	15028	4162	5254
				Jupadu banglow	22575	0	2409
8	Mamallam Vanka	Krishna	134408	Jupadu banglow	22575	1350	5825
				Pagidyala	15028	525	300
				Midthur	30220	0	2136
9	Parumanchala vanka	Krishna	134409	Jupadu banglow	22575	950	9122
				Pamulapadu	19838	3299	3246
				Midthur	30220	0	7335
				Atmakuru	18465	0	525



S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
10	Hundri Nandikotkuru	Krishna	134410	Nandikotkuru	22687	6970	15717
				Kurnool	35539	3729	5622
				Pagidyala	15028	4836	0
11	Yellamma vagu Orvakal	Krishna	134411	Orvakal	37173	0	8118
				Kurnool	35539	342	5992
12	Hundri Pathikonda	Krishna	134512	Devanakonda	48001		6900
				Pathikonda	28284		13647
				Aspari	42969		7942
				Alur	35748		613
13	Chennenoali-vanka Aspari	Krishna	134513	Aspari	42969		9745
14	Tungabadra Maddikera	Krishna	134514	Aspari	42969		3907
				Alur	35748		7963
				Pathikonda	28284		444
				Maddikera	23373		15218
15	Tungabadra Pathikonda 1	Krishna	134515	Pathikonda	28284		12165
				Aspari	42969		532
				Tuggali	36967		2322
16	Hundri Kalluru	Krishna	134516	Kurnool	35539		613
				Kalluru	32537		13028
				Orvakal	37173		2683
				Veldurthy	32797		1602
17	Pedda vanka Veldurthy	Krishna	134517	Veldurthy	32797		25838
				Dhone	41987		2605
				Kalluru	32537		5414
				Kodumuru	23675		1231

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
18	Pala Hundri Done	Krishna	134518	Dhone	41987		21891
				Veldurthy	32797		2430
				Krishnagiri	40036		4431
				Peapully	34670		400
				Kodumuru	23675		148
19	Pala Hundri Kishnagiri	Krishna	134519	Krishnagiri	40036		12568
				Devanakonda	48001		8336
20	Peddavagu Kishnagiri	Krishna	134520	Krishnagiri	40036		12114
				Dhone	41987		2140
				Pathikonda	28284		825
				Devanakonda	48001		2366
				Tuggali	36967		9440
21	Uravanka Tuggali	Penna	136521	Tuggali	36967		23097
				Maddikera	23373		18495
				Peapully	34670		1279
22	Kanuguvagu Peapully	Tungabhadra	136522	Peapully	34670		22988
23	Kanalavagu Kolimigundla	Penna	136823	Kolimigundla	33815		17177
				Owk	45499		1881
				Sanjamala	29583		12128
				Uyyalawada	20257		397
24	Paleruvagu Sanjamala	Penna	136824	Banaganapalli	38630		3702
				Koilkuntla	20468		2860
				Kolimigundla	33815		295
				Owk	45499		4254
				Sanjamala	29583		9047

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
25	Kundu Uyyalawada	Penna	136825	Dornipadu	11836	5426	717
				Koilkuntla	20468	0	514
				Uyyalawada	20257	7288	3655
				Allagadda	27104	2451	0
26	Kundu Koilakuntla	Penna	136826	Dornipadu	11836	3470	802
				Gospadu	13405	733	2198
				Koilkuntla	20468	3518	3421
				Sirievella	17521	1409	0
				Sanjamala	29583	0	198
				Uyyalawada	20257	1801	538
27	Yellavathulavagu	Penna	136827	Rudravaram	26816	0	16532
28	Vakkileru Sirievella	kundu	136828	Sirievella	17521	4025	10444
				Gospadu	13405	190	700
				Allagadda	27104	0	825
				Rudravaram	26816	0	1732
				Nandyal	21651	0	12198
				Mahanandi	25975		4050
29	Vakkileru Sirievella	Penna	136829	Allagadda	27104	11052	2381
				Gospadu	13405	409	2019
				Sirievella	17521	1300	0
				Rudravaram	26816	0	11277
				Dornipadu	11836	829	0
30	Gandaleru Rudravaram	Penna	136830	Rudravaram	26816	0	14533
				Allagadda	27104	0	8857
31	Vakkileru Chagalamarri	kunderu	136831	Allagadda	27104	0	7809
				Chagalamarri	20636	3380	7039

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
32	Banavasi Rudravaram	Kunderu	136832	Chagalamarri	20636	0	9113
				Rudravaram	26816	0	24729
33	Nippulavagu B Atmakuru	penna	136833	Nandyal	21651	250	1377
				B.Atmakuru	41226	2189	3414
				Gadivemula	24388	2484	2855
				Velugodu	20001	425	1925
34	Tungabadra C Belagal	krishna	134534	C.Belagal	21213	10598	3284
				Gonegandla	27743	5109	0
				Kodumuru	23675	3129	0
				Krishnagiri	40036	550	0
35	Tungabadra Guduru	Krishna	134535	C.Belagal	21213	2859	3738
				Guduru	16286	6499	3456
				Kurnool	35539	1906	525
				Kodumuru	23675		250
36	Tungabadra Kurnool	Krishna	134536	Kurnool	35539	7788	4928
				Kalluru	32537	409	500
37	Kanakaveedu vanka	Krishna	134537	Nandavaram	26109	18037	4297
				Yemmiganuru	30565	7543	2703
				Mantralayam	18915	723	0
				Pedda Kadabur	21167	589	0
38	Pedda vanka Yemmiganuru	krishna	134538	C.Belagal	21213	4114	1169
				Gonegandla	27743	7088	525
				Yemmiganuru	30565	6495	1501
				Nandavaram	26109	0	745
39	Tungabadra Mantralayam 1	krishna	134539	Mantralayam	18915	1577	1799
				Kosigi	22766	2366	154

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
40	Tungabadra Mantralayam 2	krishna	134540	Mantralayam	18915	6026	0
				Nandavaram	26109	3343	0
41	Tungabadra Adoni	krishna	134541	Mantralayam	18915	5146	234
				Kosigi	22766	1656	1599
				Pedda Kadabur	21167	12163	1976
				Adoni	54607	13426	12992
				Kowthalam	37685		433
42	Tungabadra Pedda Kadabur	krishna	134542	Mantralayam	18915	4213	0
				Pedda Kadabur	21167	7547	548
				Yemmiganuru	30565	1816	5525
				Adoni	54607	0	111
				Aspari	42969	0	57
				Nandavaram	26109	0	258
43	Godu vanka Kosigi	krishna	134543	Kosigi	22766	10440	3675
				Mantralayam	18915	0	832
				Kowthalam	37685	640	0
				Pedda Kadabur	21167	53	0
44	Tungabadra Kowthalam 1	krishna	134544	Kowthalam	37685	10356	3292
				Kosigi	22766	1603	1406
				Pedda Kadabur	21167	455	760
45	Tungabadra Kowthalam 2	Krishna	134545	Adoni	54607	1482	1659
				Kowthalam	37685	17785	5813

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
46	Kodivanka Adoni	Krishna	134546	Adoni	54607	3615	16412
				Aspari	42969	0	310
47	Kodivanka Holagonda	Krishna	134547	Adoni	54607	5983	0
				Holagonda	32734	772	9949
				Alur	35748	0	2544
48	Galeru Velgodu	Penna	136848	Velugodu	20001	0	35438
49	Maddieru Gaddivemula	Penna	136849	Orvakal	37173	0	7845
				Midthur	30220	0	762
				Panyam	24128	0	269
				Gadivemula	24388	3998	5246
				Nandyal	21651	1654	0
50	Banavasi Nandikotkur RF	krishna	134450	Atmakuru	18465	0	8134
				Nandikotkuru	17651	0	12069
51	Hundri Aspari	krishna	134551	Adoni	54607	0	5342
				Yemmiganuru	30565	0	4814
				Gonegandla	27743	0	6259
				Aspari	42969	0	11810
52	Garchi vanka Alur	krishna	134552	Adoni	54607	0	6124
				Alur	35748	0	12381
				Aspari	42969	0	10068
53	Pedda vanka Halaharvi	krishna	134653	Halaharvi	28519	4478	10893
				Alur	35748	0	11989
				Holagonda	32734	0	1397
54	Kocheruvu vagu Done	Krishna	134554	Dhone	41987		18110
				Peapully	34670		2590
55	Vakkera vagu1	Krishna	134555	Kalluru	32537	106	9474
				Guduru	16286	205	4497

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Kodumuru	23675	132	3330
				Kurnool	35539	0	1557
56	Vakkera vagu2	Krishna	134556	Kodumuru	23675	2242	2365
				Kalluru	32537	0	7338
				Guduru	16286	0	475
57	Hundri Krishnagiri	Krishna	134557	Gonegandla	27743	2334	4625
				Krishnagiri	40036	4821	5752
				Devanakonda	48001	207	11287
				Kodumuru	23675	1079	1400
58	Hundri Kodumuru	Krishna	134558	Gonegandla	27743	1600	178
				Kodumuru	23675	1900	4709
				Guduru	16286	0	1082
				Krishnagiri	40036	0	550
59	Karivemula vanka Devanakonda	Krishna	134559	Devanakonda	48001	0	18076
				Gonegandla	27743	0	1549
60	Madha vagu	penna	136860	Kolimigundla	33815	0	13466
				Sanjamala	29583	0	904
61	Erra vagu Sanjamala	penna	136861	Sanjamala	29583	0	11355
				Uyyalawada	20257	0	7299
62	Paleruvagu Owk	penna	136862	Owk	45499	0	40798
				Peapully	34670	0	2490
63	Jurreru vagu-1	penna	136863	Bethamcherla	28275	0	4860
				Banaganapalli	38630	0	6287
				Koilkuntla	20468	0	1016
64	Jurreru vagu Peapully	penna	136864	Bethamcherla	28275	0	7792
				Banaganapalli	38630	0	5080

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Peapully	34670	0	19730
				Koilkuntla	20468	0	450
65	Jurreru vagu Peapully 1	penna	136865	Dhone	41987	0	6273
				Peapully	34670	0	15354
				Banaganapalli	38630	0	1530
66	Kundu Banaganapally	penna	136866	Koilkuntla	20468	0	4335
				Gospadu	13405	0	360
				Panyam	24128	0	2154
				Banaganapalli	38630	0	21615
67	Paleruvagu Nandyal	penna	136867	Koilkuntla	20468	3754	0
				Dornipadu	11836	823	0
				Banaganapalli	38630	163	0
				Gospadu	13405	7679	0
				Nandyal	21651	11951	0
				Panyam	24128	950	0
68	Kollamu vagu Nandikotkuru	krishna	134468	Srisailam	19648	0	4019
				Kothapalli	23536	0	1256
				Nandikotkuru Reserve Forest	27575	0	27575
69	Nippulavagu Pamulapadu	penna	136869	Pamulapadu	19838	2247	5449
				Velugodu	20001	1915	4840
				Gadivemula	24388	128	200
				Jupadu banglow	22575	1000	577
70	Penna Mahanandi	penna	136870	Mahanandi	25975	0	22463
71	Gadivemula vanka	penna	136871	Midthur	30220	0	10150
				Gadivemula	24388	2691	401
				Jupadu banglow	22575	0	970



S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Pamulapadu	19838	0	433
72	Vakalluvanka Orvakal	Penna	136872	Orvakal	37173		13903
				Midthur	30220		5704
				Veldurthy	32797		461
				Bethamcherla	28275		1390
73	Peddavanka-Holagonda	Krishna	134673	Holagonda	32734	8785	11865
				Halaharvi	28519	0	820
				Adoni	54607	0	162
74	Galeru Nandyal	kunderu	136874	B.Atmakuru	41226	0	11757
				Mahanandi	25975	0	5568
				Nandyal	21651	0	21206
75	Paleruvagu Panyam	Penna	136875	Panyam	24128	0	23797
				Nandyal	21651	0	3685
				Gadivemula	24388	0	8551
				Bethamcherla	28275	0	11265
				Orvakal	37173	0	2897
76	Kurra vagu Banaganapally	penna	136876	Panyam	24128		2894
				Banaganapalli	38630		4634
77	Maddieru Bethamcherla	penna	136877	Bethamcherla	28275	0	9853
				Veldurthy	32797	0	3860
				Orvakal	37173	0	8136
78	Pedda vanka Chippagiri	Krishna	134678	Halaharvi	28519	820	3463
				Chippagiri	29039	7267	8025
				Alur	35748	2028	1704
				Maddikera	23373	0	675
79	Pedda vanka Halaharvi 1	Krishna	134679	Halaharvi	28519	4972	3299
				Chippagiri	29039	4483	10914

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
KURNOOL DISTRICT**

S. No	Name of the basin	Area considered for recharge ha			Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual groundwater availability for future use ha.m			Current draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categori sation					
		C	NC	4	C	NC	6	C	NC	7	8	C	NC	9	10	C	NC	11	12	13	14	C	NC	13	14	C	NC	17	18	19	20	C	NC	21
1	2	3	4		5	6		7	8		9	10		11	12	13	14		13	14		13	14		13	14		17	18	19	20		21	22
1	Gondlakamma Forest	0	3000		0	275	0	0	0	0	0	275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	275	NA	0	NA	NA	Safe
2	Banavasi Kothapally	0	12113		0	544	0	445	0	99	0	99	0	428	0	17	0	82	0	34	NA	82	NA	NA	82	NA	0	34	NA	82	NA	NA	SC	
3	Indireswaram Banavasi Selimadugu Vanka Kothapally	0	1613		0	80	0	0	0	79	0	79	0	0	0	0	0	0	0	0	79	NA	0	NA	0	NA	0	79	NA	0	NA	NA	Safe	
4	Banavasi Nandikoituru	0	15637		0	960	0	127	0	833	0	833	0	114	0	13	0	44	0	802	NA	13	NA	13	NA	13	0	802	NA	13	NA	NA	Safe	
5	Banavasi Kothapally 1 Banavasi vanka Pagidyal	0	7130		0	427	0	63	0	364	0	364	0	49	0	14	0	56	0	469	NA	21	NA	21	NA	21	0	469	NA	21	NA	NA	Safe	
6	Mandlam Vanka Parumanchalavanka Midthur	4162	7663		1256	438	12	235	1244	203	10	212	2	23	30	77	1217	149	1	362	NA	15	NA	15	NA	15	0	362	NA	15	NA	NA	Safe	
7	Hundri Nandikoituru	1875	8261		483	362	3	298	480	64	0	274	3	24	12	63	471	25	1	471	82	1	82	1	82	1	471	25	1	82	1	82	SC	
8	Yellamma vagu Orvakal	4249	20228		694	1636	23	393	671	1243	13	299	10	94	60	173	621	1164	3	621	24	3	24	3	24	3	621	1164	3	24	3	24	Safe	
9	Hundri Pathikonda Chennenoali vanka Aspari	13279	19025		2969	958	199	541	2790	417	166	467	33	75	91	483	2732	9	7	2732	56	7	56	7	56	7	2732	9	7	56	7	56	Safe	
10	Tungabadra Maddikera	342	11157		164	567	0	822	164	0	0	781	0	42	14	133	150	0	0	150	145	0	145	0	145	0	150	0	145	145	145	OE		
11	Hundri Pathikonda Chennenoali vanka Aspari	0	28033		0	2190	0	905	0	1285	0	871	0	34	0	147	0	1172	NA	1172	41	NA	41	NA	41	NA	0	1172	NA	41	NA	NA	Safe	
12	Chennenoali vanka Aspari	0	8888		0	632	0	171	0	461	0	154	0	17	0	45	0	433	NA	433	27	NA	27	NA	27	NA	0	433	NA	27	NA	NA	Safe	
13	Tungabadra Maddikera	0	27532		0	1571	0	243	0	1328	0	235	0	8	0	77	0	1258	NA	1258	15	NA	15	NA	15	NA	0	1258	NA	15	NA	NA	Safe	

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	13	14	17	18	19	20	21	22
15	Tungabadra Pathikonda	0	14713	0	1084	0	137	0	948	0	118	0	19	0	124	0	842	NA	13	NA	Safe
16	Hundri Kalluru	0	16155	0	1402	0	902	0	500	0	888	0	15	0	106	0	409	NA	64	NA	Safe
17	Pedda vanka Veldurthy	0	30249	0	2458	0	810	0	1648	0	795	0	15	0	157	0	1505	NA	33	NA	Safe
18	Pala Hundri Done	0	27042	0	1896	0	392	0	1504	0	337	0	55	0	66	0	1493	NA	21	NA	Safe
19	Pala Hundri Kishnagiri	0	16925	0	1109	0	276	0	833	0	254	0	21	0	223	0	631	NA	25	NA	Safe
20	Peddavagu Kishnagiri	0	23884	0	1478	0	160	0	1318	0	139	0	22	0	297	0	1042	NA	11	NA	Safe
21	Uravanka Tuggali	0	35033	0	2775	0	530	0	2245	0	474	0	56	0	220	0	2080	NA	19	NA	Safe
22	Kanuguvagu Peapully	0	12161	0	969	0	286	0	683	0	274	0	12	0	68	0	628	NA	30	NA	Safe
23	Kanalavagu Kolimigundla	0	28100	0	1300	0	590	0	710	0	427	0	163	0	195	0	677	NA	45	NA	Safe
24	Paleruvagu Sanjamala	0	16745	0	722	0	255	0	457	0	225	0	40	0	86	0	411	NA	37	NA	Safe
25	Kundu Uyyalawada	15165	4886	1142	192	96	26	1047	165	91	25	5	1	91	39	960	128	8	14	Safe	Safe
26	Kundu Koilakuntla	10931	7157	1200	489	37	87	1163	402	24	73	13	14	36	96	1140	319	3	18	Safe	Safe
27	Yellavathula vagu	0	16532	0	1228	0	591	0	637	0	567	0	23	0	56	0	605	NA	48	NA	Safe
28	Vakkileru Sirievella	4215	29948	726	1634	155	1036	571	598	140	994	16	43	132	250	455	390	21	63	Safe	Safe
29	Vakkileru Sirievella	13589	13659	1544	882	249	802	1295	80	199	758	50	44	147	198	1198	0	16	91	Safe	Critical
30	Gandaleru Rudravaram	0	19137	0	1318	0	825	0	493	0	806	0	19	0	71	0	441	NA	63	NA	Safe

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	C	NC	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	13	14	17	18	19	20	21	22		
31	Vakkileru Chagalamarri	3380	14848	1690	582	202	578	1488	4	194	550	8	29	14	118	1482	0	12	99	Safe	Critical		
32	Banavasi Rudravaram	0	33842	0	2907	0	1113	0	1794	0	1089	0	24	0	88	0	1730	NA	38	NA	Safe	Safe	
33	Nippulavagu B Atmakuru	5348	9571	2190	485	67	181	2123	303	67	158	0	24	37	52	2086	274	3	37	Safe	Safe	Safe	Safe
34	Tungabadra C Belagal	19236	3284	1914	250	831	160	1083	90	796	156	35	4	159	42	958	52	43	64	Safe	Safe	Safe	Safe
35	Tungabadra Guduru	11264	7949	1162	538	438	206	723	332	417	198	22	7	64	26	681	314	38	38	Safe	Safe	Safe	Safe
36	Tungabadra Kurnool	8197	5428	800	330	130	14	670	316	109	11	21	3	69	31	623	288	16	4	Safe	Safe	Safe	Safe
37	Kanakaveedu vanka	26417	6951	2127	483	392	78	1736	406	346	71	45	7	181	112	1600	301	18	16	Safe	Safe	Safe	Safe
38	Pedda vanka	17647	3940	1562	242	737	187	825	55	706	179	32	8	38	19	818	43	47	77	Safe	SC		
39	Yemmiganuru																						
39	Tungabadra	3743	1953	549	138	201	91	348	46	196	83	5	9	14	34	339	21	37	66	Safe	Safe	Safe	Safe
39	Mantralayam 1																						
39	Tungabadra																						
40	Mantralayam 2	8669	0	1140	0	80	0	1060	0	66	0	13	0	45	0	1029	0	7	NA	Safe	NA		
41	Tungabadra Adoni	8603	20714	1063	1622	284	709	779	913	260	664	24	45	68	223	734	735	27	44	Safe	Safe	Safe	Safe
41	Tungabadra Pedda																						
42	Kadabur	13564	5799	2549	440	329	62	2221	377	296	50	33	12	69	50	2184	340	13	14	Safe	Safe	Safe	Safe
43	Godu vanka Kosigi	10390	4457	1111	508	528	165	583	345	497	146	31	19	97	48	517	315	48	32	Safe	Safe	Safe	Safe
44	Tungabadra Kowthalam	12140	5113	1478	424	204	112	1275	312	173	96	31	16	83	54	1223	273	14	26	Safe	Safe	Safe	Safe
44	1																						
45	Tungabadra Kowthalam	19266	7298	2099	468	130	95	1969	373	109	85	22	10	97	66	1894	317	6	20	Safe	Safe	Safe	Safe
45	2																						
46	Kodivan'ka Adoni	3615	14800	477	1201	19	258	457	943	16	232	3	25	13	136	447	833	4	21	Safe	Safe	Safe	Safe

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	13	14	17	18	19	20	21	22
47	Kodivanka Holagonda	6755	11576	650	762	12	61	638	700	8	41	4	20	28	76	614	644	2	8	Safe	Safe
48	Galeru Velgodu	0	35438	0	2326	0	59	0	2267	0	44	0	15	0	67	0	2215	NA	3	NA	Safe
49	Maddieru Gaddivemula Banavasi Nandikoikur	5652	14120	453	623	86	318	367	305	71	298	16	20	37	107	346	217	19	51	Safe	Safe
50	RF	0	13722	0	506	0	114	0	391	0	93	0	21	0	45	0	367	NA	23	NA	Safe
51	Hundri Aspari	0	19002	0	1613	0	774	0	839	0	726	0	48	0	155	0	732	NA	48	NA	Safe
52	Garchi vanka Alur	0	20163	0	1472	0	351	0	1120	0	312	0	39	0	106	0	1054	NA	24	NA	Safe
53	Pedda vanka Halaharvi	4478	23478	1148	1621	20	310	1128	1311	17	280	3	30	32	125	1100	1216	2	19	Safe	Safe
54	Kocheruvu vagu Done	0	20700	0	1478	0	471	0	1008	0	446	0	25	0	99	0	934	NA	32	NA	Safe
55	Vakkeravagu1	443	18623	219	1192	55	256	164	936	55	236	0	20	0	189	164	766	25	21	Safe	Safe
56	Vakkeravagu2	2242	9949	716	800	40	60	676	740	40	60	0	0	12	141	664	599	6	8	Safe	Safe
57	Hundri Krishnagiri	8441	22499	1554	1440	107	361	1447	1079	107	361	0	0	26	131	1422	948	7	25	Safe	Safe
58	Hundri Kodumuru	3500	6293	2502	458	42	111	2460	347	37	76	5	35	30	251	2435	132	2	24	Safe	Safe
59	Karivemula vanka Devanakonda	0	12937	0	1531	0	778	0	752	0	733	0	45	0	98	0	699	NA	51	NA	Safe
60	Madha vagu	0	12955	0	582	0	539	0	43	0	509	0	30	0	89	0	0	NA	93	NA	Critical
61	Erra vagu Sanjamala	0	17202	0	604	0	394	0	210	0	351	0	43	0	72	0	182	NA	65	NA	Safe
62	Pabbaravagu Deb	0	33167	0	1952	0	371	0	901	0	334	0	37	0	126	0	892	NA	27	NA	Safe

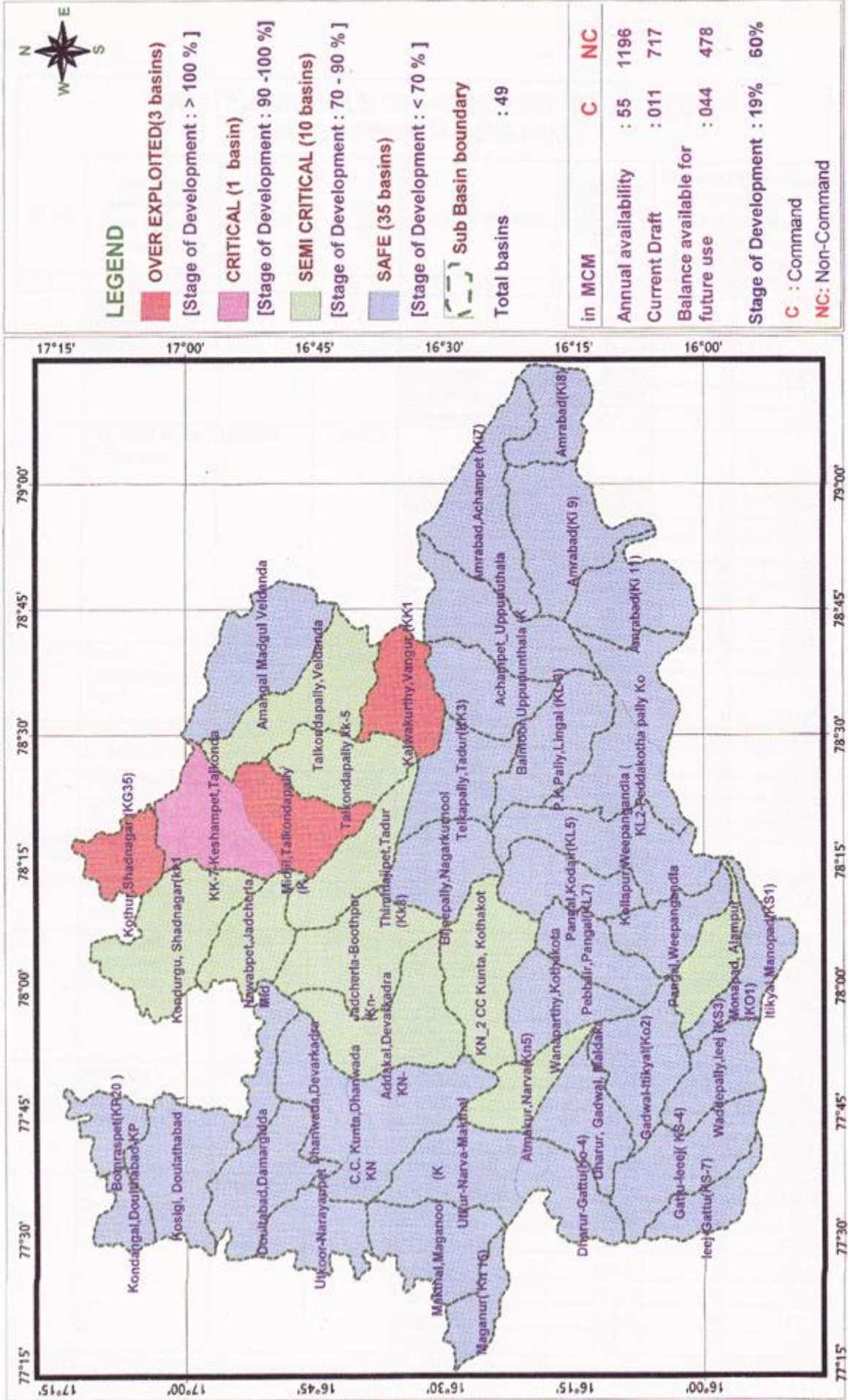
S. No	Name of the basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	13	14	17	18	19	20	21	22
63	Jurreru vagu1	0	11539	0	691	0	645	0	46	0	635	0	10	0	28	0	28	NA	93	NA	Critical
64	Jurreru vagu Peapully	0	33052	0	1370	0	558	0	812	0	532	0	26	0	102	0	736	NA	41	NA	Safe
65	Jurreru vagu Peapully 1	0	21852	0	1175	0	780	0	395	0	751	0	28	0	79	0	345	NA	66	NA	Safe
66	Andu Banaganapally	0	28463	0	2288	0	458	0	1830	0	414	0	44	0	112	0	1762	NA	20	NA	Safe
67	Paleruvagu Nandyal Kollamu vagu	25319	0	3006	0	390	0	2616	0	313	0	77	0	213	0	2480	0	13	NA	Safe	NA
68	Nandikoikuru	0	32850	0	1500	0	39	0	1461	0	32	0	7	0	30	0	1438	NA	3	NA	Safe
69	Nippulavagu Pamulapadu	5290	11066	2646	672	107	144	2539	528	107	114	0	30	89	55	2450	503	4	21	Safe	Safe
70	Penna Mahanandi	0	21688	0	1264	0	0	0	1264	0	0	0	0	0	1	0	1263	NA	0	NA	Safe
71	Gadivemula vanka	2691	11952	688	1817	52	138	636	1678	50	123	2	15	21	88	616	1606	8	8	Safe	Safe
72	Vakaluvanka Orvakal	0	20207	0	1619	0	809	0	810	0	793	0	16	0	67	0	760	NA	50	NA	Safe
73	Peddavanka Holagonda	8785	12047	1158	841	18	150	1140	691	16	112	2	38	51	69	1091	660	2	18	Safe	Safe
74	Galeru Nandyal	0	38531	0	1706	0	1226	0	480	0	1132	0	94	0	381	0	193	NA	72	NA	SC
75	Paleruvagu Panyam	0	42954	0	2726	0	1647	0	1079	0	1593	0	54	0	360	0	773	NA	60	NA	Safe
76	Kurra vagu Banaganapally	0	8543	0	729	0	358	0	370	0	346	0	13	0	43	0	340	NA	49	NA	Safe
77	Maddieru Bethamcherla	0	21849	0	1003	0	833	0	170	0	805	0	28	0	80	0	117	NA	83	NA	SC
78	Pedda vanka Chippagiri	9965	13892	701	822	101	68	600	754	88	55	13	13	29	97	585	669	14	8	Safe	Safe

S. No	Name of the basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	13	14	17	18	19	20	21	22
79	Pedda vanka Halaharvi	9465	16964	617	1009	3	68	613	941	0	54	3	14	40	81	577	874	1	7	Safe	Safe
	District Total	332312	1284990	48171	82429	6381	29352	41790	53077	5798	27319	583	2034	2268	8301	40105	46810	13	36	Safe	Safe
	Total [ C+NC ]	1617302		130600		35733		94867		33116		2616		10569		86915					
	ABSTRACT	OE = 1		Critical = 4		SC = 5		Safe = 69		Total Basins = 79											

Note:- OE = Over exploited; SC = Semi-critical and NA = Not applicable; NC= Non Command; C = Command; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT - MAHABUBNAGAR DISTRICT

[ SUB - BASIN WISE ]







LOCATION DETAILS OF ASSESSMENT UNITS IN MAHBOOBNAGAR DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Kondurgu, Shadnagar (kk10)	Krishna	144401	Kondurg	25888	0	19615
				Balanagar	30565	0	15400
				Shadnagar	27966	0	17654
				Nawabpet	21612	0	4892
2	KN_2CC Kunta, Kotha kota	Krishna	144402	Kothakota	25924	0	11446
				Peddamandadi	18015	0	10983
				Gopalpet	24412	0	9933
				Wanaparthy	17422	0	7981
				C.C.Kunta	19107	0	2598
				Devarkadra	23672	0	438
				Addakal	19127	0	1318
				Ghanpur	18618	0	3776
3	Midjil, Talkondapally (KK6)	Krishna	144403	Midjil	31396	0	13929
				Talkondapalli	30406	0	11930
4	Kothur, Shadnagar (KG35)	Krishna	144404	Kothur	19584	0	19411
				Shadnagar	27966	0	6415
5	Thimmajipet, Tadur (Kk8)	Krishna	144405	Thimmajipet	20092	0	16047
				Tadoor	22537	0	10543
				Jadcherla	28181	0	10283
6	Maganur (Kn 15)	Krishna	144406	Maganoor	34828	0	22454
7	Bomras pet (KP20)	Krishna	144407	Bomraspet	24431	0	18700
8	Nawabpet, Jadcherla, Midjil (kk9)	Krishna	144408	Balanagar	30565	0	8190
				Nawabpet	21612	0	16649
				Jadcherla	28181	0	11684
				Kondurg	80297	0	183
				Midjil	31396	0	783
9	Amangal Madgul Veldanda (KI2)	Krishna	144409	Mahboobnagar	23012	0	792
				Veldanda	32176	0	2639
				Madgul	27758	0	23782
				Amangal	20177	0	12434
				Vangoor	35014	0	3054
10	Addakal, Devar kadra	Krishna	144410	Talkondapalli	30406	0	1085
				Mahboobnagar	23012	0	6616
				Koilkonda	23868	0	1738
				Devarkadra	24856	0	7588
				Addakal	19127	0	8963
				C.C.Kunta	19107	0	383
				Ghanpur	18618	0	6721
Peddamandadi	18015	0	409				

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
11	Talkonda pally kk-5	Krishna	144411	Talkondapalli	30406		3761
				Midjil	31396		11554
				Kalwakurthy	26336		21628
12	Amrabad (Ki 11)	Krishna	144412	Amrabad	110046		38005
13	KK-7- Keshampet, Talkonda pally	Krishna	144413	Keshampet	22342		21809
				Shadnagar	27966		1188
				Talkondapalli	30406		6551
				Balanagar	30565		6723
				Jadcherla	28181		3164
Midjil	31396		1791				
14	Amrabad (Ki 9)	Krishna	144414	Amrabad	110046		50374
15	KL2-Pedda kothapally Kollapur	Krishna	144415	Peddakothapalli	40676		5973
				Lingal	22674		1902
				Kollapur	45496		31216
16	Kollapur, Weepan gandla (KL4)	Krishna	144416	Gopalpet	24412		3989
				Nagarkurnool	21874		1142
				Peddakothapalli	40676		3227
				Kodair	20674		10883
				Kollapur	45496		11414
				Pangal	26807		440
				Weepangandla	48223		10726
17	Pangal, Weepan gandla (KL-6)	Krishna	144417	Pangal	26807		4407
				Weepangandla	48223		17535
				Pebbair	27460		4012
				Balmoor	21559		8640
				uppununthala	18663		8662
				Achampet	37241		27591
18	P.K.Pally, Lingal (KL-3)	Krishna	144418	Nagarkurnool	21874		1037
				Telkappally	24338		7116
				Peddakothapalli	40676		26016
				Lingal	22674		20824
				Balmoor	21559		478
19	Hanwada, Koilkonda (KN9)	Krishna	144419	Kosgi	17452		596
				Maddur	22073		1710
				Koilkonda	23868		2409
				Hanwada	17092		13624
20	C.C.Kunta, Dhanwada	Krishna	144420	C.C.Kunta	19107		14617
				Narva	28683		5629
				Dhanwada	24856		15142
				Narayanpet	21612		5380
				Uttoor	26185		4923
				Devarkadra	23672		5172
21	Bijnepally, Nagarkur nool(KK4)	Krishna	144421	Bijnepally	25913		22406
				Tadoor	22537		702
				Nagarkurnool	21874		10703
				Thimmajipet	20092		2855
				Gopalpet	24412.6		2075

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
22	Pangal, Kodair (KL5)	Krishna	144422	Gopalpet	24412.6		7630
				Kodair	20670.46		9787
				Pangal	26807.92		11798
				Wanaparthy	17422		495
				Weepangandla	48223.61		3632
23	Pebbair, Pangal (KL7)	Krishna	144423	Wanaparthy	17422		1028
				Pangal	26807		10082
				Pebbair	27460		14791
				Kothakota	25924		508
24	Balmoor, Uppununthala (KK2)	Krishna	144424	Uppununthala	18633		9612
				Achampet	37242		1896
				Balmoor	21560		16600
				Telkapally	24338		1474
				Lingal	22674		977
25	Telkapally, Tador (KK3)	Krishna	144425	Tador	22537		11491
				Nagarkurnool	21874		7650
				Telkapally	24338		18311
				Uppununthala	18633		1331
26	Atmakur, Narva(Kn5)	Krishna	144426	Atmakur	20251		20251
				Narva	28684		1952
				C.C.Kunta	19108		2059
27	Kosigi, Doullathabad(KN10)	Krishna	144427	Kosgi	17452		16856
				Maddur	22073		1460
				Doullathabad	20938		15640
				Damargidda	21499		658
				Bomraspet	24431		5751
				Kodangal	23844		8791
28	Waddepally, leeja (KS3)	Krishna	144428	Manopad	11321		5136
				Alampur	12236		2713
				Itikyal	27496		2263
				leeja	27790		2242
				Waddepally	26488		15440
29	Uttoor-Narayanpet (KN-14)	Krishna	144429	Damargidda	21499		5855
				Narayanpet	21612		9467
				Uttoor	26185		15339
30	Dharur-Gattu (Ko-4)	Krishna	144430	Dharoor	32035		21955
				Gattu	34278		6409
31	Kalwakurthy, Vangur(KK1)	Krishna	144431	Kalwakurthy	26736		7008
				Vangoor	35015		24694
32	Gadwal-Itikyal (Ko2)	Krishna	144432	Maldakal	23227		7564
				Gadwal	27128		10614
				Itikyal	30407		23328
				Manopad	27496		1516
33	Amrabad (KI8)	Krishna	144433	Amrabad	110046		27831
34	Talkondapally, Veldanda (KI-4)	Krishna	144434	Talkondapalli	30406		6469
				Amangal	20178		6925
				Veldanda	32177		29459
				Vangoor	35014		6595
35	Amrabad, Achampet (KI7)	Krishna	144435	Achampet	37242		6550
				Amrabad	110046		31840

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
36	Kollapur, Amrabad (KLI)	Krishna	144436	Kollapur	45496		2866
				Amrabad	110046		18000
37	Doulthabad, Damargidda (KL-8)	Krishna	144437	Doulthabad	20938		4564
				Damargidda	21499		14343
				Maddur	22073		18617
				Koilkonda	23868		3373
				Narayanpet	21612		5737
38	Utkur-Narva-Makthal (KN-12)	Krishna	144438	Utkoor	26185		1629
				Narva	28683		21976
				Makthal	35355		17786
39	Wanaparthy, Kothakota (KN1)	Krishna	144439	Wanaparthy	17422		9973
				Kothakota	25924		14041
				Pebbair	27460		9271
40	Makthal, Maganoor (KN-13)	Krishna	144440	Utkoor	26185		9449
				Makthal	35355		17025
				Maganoor	34828		13232
41	Jadcherla-Boothpur (Kn-4)	Krishna	144441	Boothpur	18705		18704
				Mahboobnagar	23012		7615
				Ghanpur	18618		5590
				Hanwada	17092		735
				Thimmajipet	20092		2389
				Bijnepally	25913		2534
				Addakal	19127		3510
				Jadcherla	28181		2179
42	Dhanwada, Devarkadra (KN-7)	Krishna	144442	Dhanwada	24856		8649
				Devarkadra	23672		2352
				Koilkonda	23868		14121
				Hanwada	17092		303
				Mahboobnagar	17092		841
43	Monapad, Alampur (KO1)	Krishna	144443	Itikyal	30407	2339	0
				Manopad	27496	7979	2439
				Alampur	21873	7866	5632
44	Dharur, Gadwal, Maldakal, Gattu (Ko3)	Krishna	144444	Dharoor	32035		10073
				Gadwal	27128		16514
				Maldakal	23227		5859
				Gattu	34278		2887
45	Kondangal, Doulthabad-KP18	Krishna	144445	Kodangal	23844		15047
46	Kondangal, Doulthabad-KP18	Krishna	144446	Doulthabad	20938		1544
47	Itikyal, Manopad (KS1)	Krishna	144447	Itikyal	30407	2477	0
				Manopad	27496	9948	1369
				Alampur	21873	9672	205
48	Gattu-leej (KS-4)	Krishna	144448	Maldakal	23228		8500
				Gattu	34278		15144
				leeja	27791		13447
				Waddepally	26489		8992
49	leej-Gattu (KS-7)	Krishna	144449	Gattu	34278.4		9646
				leeja	27790.88		10935
				Waddepally	26488.61		2054

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
MAHBOOBNAGAR DISTRICT**

S. No	Name the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation			
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Kondurgu, Shadnagar(kk10)	0	54262	0	4753	0	3612	0	1142	0	3396	0	215	0	351	0	1006	0	76	NA	SC
2	KN_2 CC Kuntia, Kothakota	0	47186	0	3768	0	2714	0	1054	0	2532	0	182	0	495	0	741	0	72	NA	SC
3	Midjil, Talkondapally (KK6)	0	23679	0	2352	0	3117	0	0	0	3050	0	67	0	121	0	0	0	133	NA	OE
4	Kothur, Shadnagar (KG35)	0	24340	0	2879	0	4112	0	0	0	4000	0	112	0	227	0	0	0	143	NA	OE
5	Thimmajipet, Tadur (Kk8)	0	33206	0	2749	0	2061	0	688	0	1942	0	120	0	289	0	518	0	75	NA	SC
6	Maganur (Kn 15)	0	19640	0	1562	0	1074	0	487	0	1037	0	37	0	82	0	443	0	69	NA	Safe
7	Bomraspet(KP20 ) Nawabpet, Jadcherla,	0	14783	0	1147	0	623	0	524	0	573	0	50	0	94	0	480	0	54	NA	Safe
8	Midjil (kk9)	0	34935	0	3112	0	2556	0	555	0	2441	0	115	0	247	0	423	0	82	NA	SC
9	Amangal Madgul Veldanda (KI2)	0	37317	0	2881	0	1820	0	1061	0	1677	0	143	0	250	0	954	0	63	NA	Safe
10	Addakal, Devarkadra KN-3	0	29047	0	2048	0	1419	0	629	0	1321	0	97	0	257	0	470	0	69	NA	SC
11	Talkondapally kk-5	0	33180	0	2735	0	2015	0	719	0	1924	0	91	0	184	0	627	0	74	NA	SC
12	Amrabad(KI 11) KK-7-	0	38005	0	1344	0	0	0	1344	0	0	0	0	0	0	0	1344	0	0	NA	Safe
13	Keshampet, Talkondapall	0	40038	0	2934	0	2772	0	163	0	2636	0	136	0	226	0	73	0	94	NA	Critical
14	Amrabad(KI 9) KL2-Peddakotha pally	0	47115	0	1868	0	672	0	1196	0	626	0	47	0	123	0	1120	0	36	NA	Safe
15	Kollapur Kollapur, Weepangandla	0	35581	0	2922	0	953	0	1970	0	878	0	74	0	114	0	1930	0	33	NA	Safe
16	(KL4) Pangal, Weepangandla	0	40401	0	3442	0	1580	0	1862	0	1426	0	154	0	255	0	1761	0	46	NA	Safe
17	(KL-6)	0	25131	0	1755	0	795	0	960	0	726	0	69	0	112	0	916	0	45	NA	Safe

S. No	Name the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
18	Achampet_Uppunuthala (KI-6)	0	40149	0	2867	0	1125	0	1742	0	988	0	138	0	229	0	1650	0	39	NA	Safe
19	P.K.Pally,Lingal (KL-3)	0	51120	0	4018	0	1335	0	2683	0	1215	0	120	0	205	0	2598	0	33	NA	Safe
20	Hanwada,Koilkonda (KN9)	0	16809	0	1384	0	858	0	526	0	802	0	56	0	119	0	463	0	62	NA	Safe
21	C.C. Kunta,Dhanwada (KN-6)	0	49156	0	3733	0	2322	0	1411	0	2113	0	209	0	371	0	1249	0	62	NA	Safe
22	Bijnepally,Nagarkurnool (KK4)	0	38147	0	3051	0	1845	0	1206	0	1705	0	139	0	292	0	1054	0	60	NA	Safe
23	Pangal,Kodair(KL5)	0	32447	0	2390	0	924	0	1465	0	815	0	110	0	644	0	931	0	39	NA	Safe
24	Pebbair,Pangal(KL7)	0	25700	0	2001	0	1123	0	878	0	983	0	140	0	235	0	783	0	56	NA	Safe
25	Balmoor,Uppunuthala (KK2)	0	29742	0	2300	0	973	0	1327	0	848	0	125	0	142	0	1310	0	42	NA	Safe
26	Telkapally,Tadur(KK3)	0	38279	0	2812	0	1582	0	1230	0	1440	0	143	0	569	0	803	0	56	NA	Safe
27	Aimakur,Narva(Kn5)	0	23411	0	1740	0	1327	0	413	0	1206	0	121	0	132	0	402	0	76	NA	SC
28	Kosigi, Douliathabad (KN10)	0	47840	0	3854	0	2089	0	1764	0	1862	0	228	0	345	0	1647	0	54	NA	Safe
29	Waddepally,leej (KS3)	0	24915	0	1814	0	1185	0	629	0	1107	0	78	0	182	0	526	0	65	NA	Safe
30	Uikoor-Narayampet (KN-14)	0	29135	0	2308	0	1290	0	1019	0	1194	0	95	0	323	0	792	0	56	NA	Safe
31	Dhanur-Gattu(Ko-4)	0	27280	0	1807	0	1037	0	770	0	984	0	53	0	97	0	725	0	57	NA	Safe
32	Kalwakkurthy,Vangur (KK1)	0	28078	0	2361	0	2426	0	0	0	2335	0	91	0	180	0	0	0	103	NA	OE
33	Gadwal-Itikya(Ko2)	0	42238	0	2909	0	823	0	2086	0	716	0	106	0	208	0	1984	0	28	NA	Safe
34	Amrabad(KI8)	0	27630	0	1315	0	23	0	1292	0	18	0	5	0	6	0	1291	0	2	NA	Safe
35	Talkondapally,Veldanda (KI-4)	0	41976	0	3374	0	2541	0	833	0	2410	0	131	0	257	0	706	0	75	NA	SC
36	Amrabad,Achampet (KI7)	0	37582	0	1346	0	234	0	1112	0	209	0	26	0	31	0	1107	0	17	NA	Safe

S. No	Name the Basin	Area considered for recharge ha			Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual groundwater availability for future use ha.m			Current draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and Industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categori sation
		C	NC	4	C	5	6	C	7	8	C	9	10	C	11	12	13	14	15	16	C	17	18	19	20	21	22		
1	2																												
37	Kollapur,Amrabad (KL1)	0	20866	0	1983	0	0	0	0	1983	0	0	0	0	0	0	0	0	0	0	0	1983	0	0	NA	Safe			
38	Doultabad,Damargidda (KL-8)	0	43589	0	3372	0	2112	0	1260	0	1937	0	175	0	335	0	1100	0	63	NA	Safe								
39	Ukur-Narva-Makthal (KN-12)	0	37088	0	2820	0	1812	0	1009	0	1702	0	109	0	237	0	881	0	64	NA	Safe								
40	Wanaparthy,Kolnakota (KN1)	0	32473	0	2420	0	1329	0	1091	0	1176	0	153	0	209	0	1035	0	55	NA	Safe								
41	Makthal,Maganoor (KN 13)	0	38892	0	2861	0	1312	0	1549	0	1211	0	100	0	189	0	1460	0	46	NA	Safe								
42	Jadcherla-Boothpur (Kn-4)	0	38190	0	3541	0	2621	0	920	0	2513	0	108	0	299	0	729	0	74	NA	SC								
43	Dhanwada,Devarkadra (KN-7)	0	25665	0	2086	0	1387	0	699	0	1283	0	104	0	125	0	678	0	66	NA	Safe								
44	Monapad, Alampur (KO1)	17701	7871	2354	299	478	244	1876	55	389	213	89	31	106	63	1859	24	20	82	Safe	SC								
45	Dhanur, Gadwal, Mالدakal, Gatuu(Ko3)	0	34719	0	2487	0	1143	0	1344	0	1054	0	89	0	184	0	1249	0	46	NA	Safe								
46	Kondangal,Doullhabad-KP18	0	15061	0	1387	0	957	0	431	0	901	0	56	0	72	0	415	0	69	NA	Safe								
47	Itikyai,Manopad(KS1)	21433	1515	3151	111	579	74	2572	36	493	64	86	11	107	23	2551	24	18	67	Safe	Safe								
48	Gattu-leeef( KS-4)	0	45228	0	2959	0	1304	0	1655	0	1180	0	124	0	299	0	1480	0	44	NA	Safe								
49	leej-Gattu(KS-7)	0	20856	0	1610	0	486	0	1124	0	448	0	38	0	83	0	1078	0	30	NA	Safe								
	District Total	39134	1591492	5505	119572	1057	71740	4448	47833	882	66820	174	4920	213	10108	4409	42644	19	60	Safe	Safe								
	Total [C+NC]	1630626		125077		72796		52281		67702		5094		10322		47053													
	ABSTRACT		OE = 3		Critical = 1		SC = 10		Safe = 35		Total Basins = 49																		

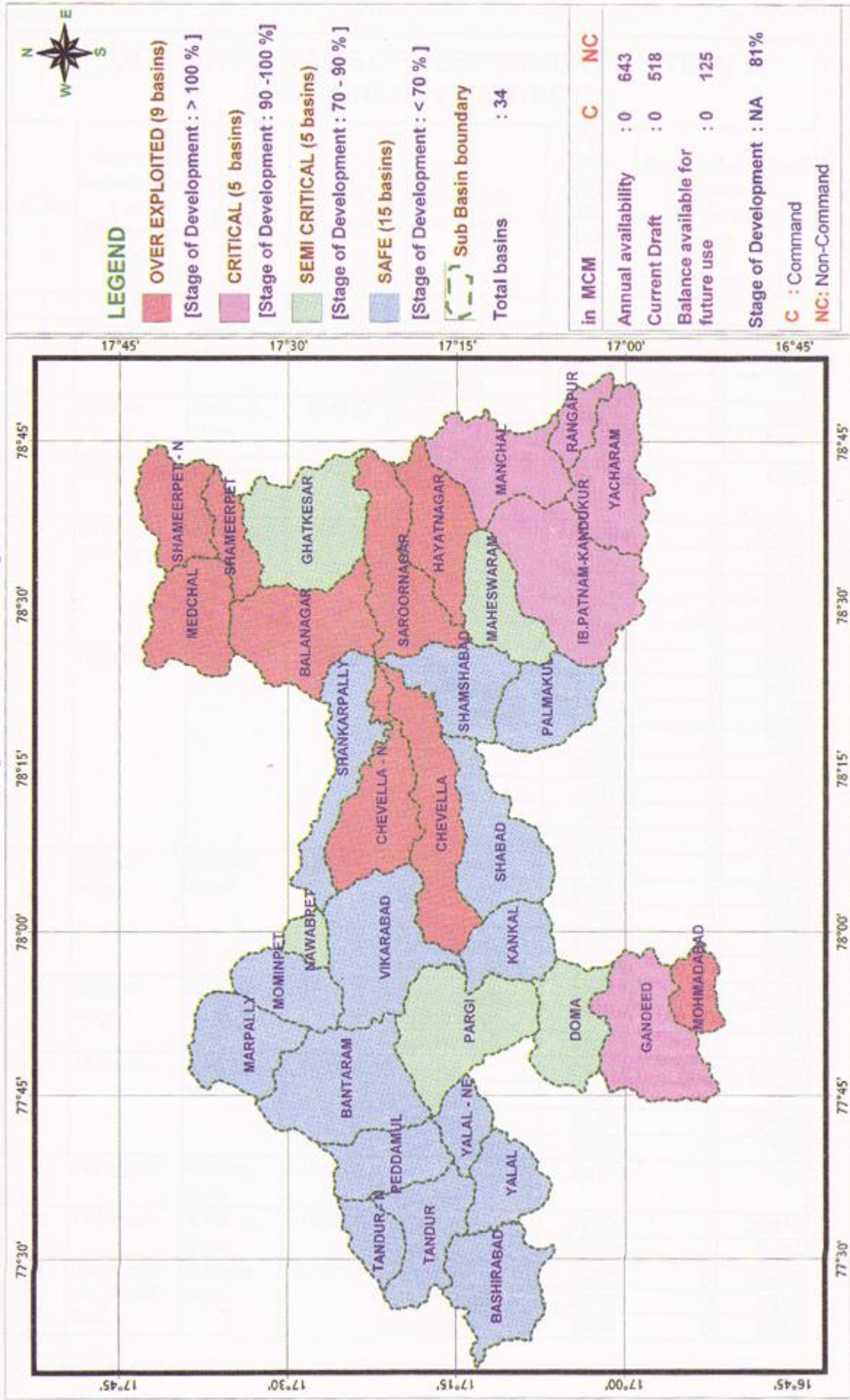
Note: OE = Over exploited, SC = Semi-critical; C = command area; NC = non-command and NA = Not applicable; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - Col.no.11 + Col.no.15)





# STATUS OF GROUNDWATER DEVELOPMENT - RANGAREDDY DISTRICT

## [ SUB - BASIN WISE ]



100 Kilometer

50

0



LOCATION DETAILS OF ASSESSMENT UNITS IN RANGA REDDY DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Medchal	Krishna_Musi	154701	Medchal	18806	0	15665
				Quthubullapur	14524	0	3270
				Shamirpet	22708	0	972
2	Shamir pet_N	Krishna_Musi	154702	Shamirpet	22708	0	9588
				Medchal	18806	0	1227
3	Shamir pet	Krishna_Musi	154703	Shamirpet	22708	0	9143
4	Ghatkear Keesara	Krishna_Musi	154704	Ghatkesar	13384	0	10955
				Keesara	11390	0	9747
				Shamirpet	22708	0	2418
				Malkajgiri	6013	0	3746
				Uppal	6090	0	3256
5	Bala nagar	Krishna_Musi	154705	Balanagar	13551	0	13551
				Quthubullapur	14524	0	8691
				Serilingampally	20294	0	3677
				Medchal	18806	0	1232
				Shamirpet	22708	0	377
				Malkajgiri	6013	0	2267
				Uppal	6090	0	1633
				Hyd urban area	19968	0	10392
6	Saroor nagar	Krishna_Musi	154706	Saroor nagar	11393	0	9754
				Hayathnagar	26557	0	9573
				Uppal	6090	0	1201
				Rajendranagar	18655	0	2788
				Hyd urban area	19968	0	6003
7	Hayath nagar	Krishna_Musi	154707	Hayathnagar	26557	0	15181
				Saroor nagar	11393	0	1639
				Ibrahimpatnam	23993	0	1124
8	Manchal	Krishna_Musi	154708	Manchal	24494	0	12197
				Ibrahimpatnam	23993	0	9061
				Yacharam	35420	0	2563
				Hayathnagar	26557	0	1154
9	Rangapur	Krishna_Musi	154709	Manchal	24494	0	7388
10	Yacharam	Krishna_Musi	154710	Yacharam	35420	0	22315
				Manchal	24494	0	2034
11	Ibrahimpatnam_Kandukuru	Krishna_Musi	154711	Kandukur	34855	0	31991
				Ibrahimpatnam	23993	0	7579
				Yacharam	35460	0	2353

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Maheshwaram	30295	0	1381
				Manchal	24494	0	400
12	Maheshwaram	Krishna_Musi	154712	Ibrahimpattanam	23993	0	6230
				Maheshwaram	30295	0	12444
13	Palmakul	Krishna_Musi	154713	Maheshwaram	30295	0	14213
				Kandukur	34855	0	1684
				Shamshabad	19915	0	1625
14	Shamshabad	Krishna_Musi	154714	Shamshabad	19915	0	15566
				Maheshwaram	30295	0	2257
				Rajendranagar	18655	0	3008
15	Shabad	Krishna_Musi	154715	Shabad	22754	0	18963
				Shamshabad	19915	0	2724
				Pudur	20951	0	1303
				Chevella	28628	0	381
16	Chevella	Krishna_Musi	154716	Chevella	28628	0	12353
				Pudur	20951	0	6633
				Moinabad	19813	0	10402
				Shabad	22754	0	733
				Rajendranagar	18655	0	3870
17	Chevella_N	Krishna_Musi	154717	Chevella	28628	0	8948
				Shankarpally	15900	0	8049
				Moinabad	19813	0	9411
				Rajendranagar	18655	0	4108
				Nawabpet	16177	0	840
18	Shankarpally	Krishna_Musi	154718	Shankarpally	15900	0	5744
				Rajendranagar	18655	0	4881
				Serilingampally	20294	0	10216
				Hyd urban area	19968	0	3573
19	Nawab pet	Godavari_Manjeera	152019	Nawabpet	16177	0	1879
				Mominpet	17834	0	1912
20	Vikara bad	Krishna_Musi	154720	Vikarabad	20577	0	11539
				Nawabpet	16177	0	11236
				Pudur	20951	0	4037
				Chevella	28628	0	6946
				Shankarpally	15900	0	629
21	Kankal	Krishna_Musi	154721	Pargi	20347	0	4071
				Pudur	20951	0	8628
22	Doma	Lower Bheema	154422	Doma	17187	0	14738
				Pargi	20347	0	1670
				Kulakcherla	22958	0	2788
23	Gandeed	Lower Krishna	154423	Gandeed	23954	0	15688
				Kulakcherla	22958	0	13033
				Doma	17187	0	1710

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
24	Mahammadabad	Lower Krishna	154424	Gandeed	23954	0	7443
				Kulakcherla	22958	0	1821
25	Pargi	Lower Bheema	154325	Pargi	20347	0	12182
				Doma	17187	0	525
				Dharur	22035	0	13862
				Pudur	20951	0	351
				Vikarabad	20577	0	6127
				Peddumul	27085	0	227
26	Bantwaram	Lower Bheema	154326	Bantwaram	18777	0	14854
				Dharur	22035	0	7073
				Vikarabad	20577	0	2362
				Peddumul	27085	0	1598
				Marpally	23486	0	9346
				Mominpet	17834	0	1313
27	Mominpet	Godavari Manjeera	152027	Mominpet	17834	0	11440
				Nawabpet	16177	0	2222
				Vikarabad	20577	0	550
28	Marpally	Godavari Manjeera	152028	Marpally	23486	0	13678
				Mominpet	17834	0	3169
29	Peddumul	Lower Bheema	154329	Peddumul	27085	0	18612
				Bantwaram	18777	0	1360
				Tandur	22909	0	557
30	Tandur_N	Lower Bheema	154330	Tandur	22909	0	5714
				Peddumul	27085	0	1278
31	Tandur	Lower Bheema	154331	Tandur	22909	0	15063
				Peddumul	27085	0	2332
				Yalal	21829	0	1676
				Basheerabad	20961	0	352
32	Yalal_NE	Lower Bheema	154332	Yalal	21829	0	7707
				Dharur	22035	0	1042
				Peddumul	27085	0	67
				Tandur	22909	0	157
33	Yalal	Lower Bheema	154333	Yalal	21829	0	10718
				Tandur	22909	0	423
34	Basheerabad	Lower Bheema	154334	Basheerabad	20961	0	19914
				Tandur	22909	0	749
				Yalal	21829	0	1530

## BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF RANGA REDDY DISTRICT

S. No	Name of the Basin	Area considered for recharge ha	Net annual groundwater availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current annual draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and Industrial needs at 2025 ha.m	Net annual ground water availability for future irrigation use ha.m	Stage of development %	Categorisation
1	2	3	4	5	6	7	8	9	10	11	12
1	Medchal	17949	2643	3203	0	3021	182	189	0	121	OE
2	Shamirpet_N	10526	1341	1685	0	1577	108	129	0	126	OE
3	Shamirpet	9143	1093	1131	0	1052	79	95	0	104	OE
4	Ghatkear Keesara	28598	2418	2024	393	1763	261	925	0	84	SC
5	Balanagar	22846	3192	4190	0	802	3388	4065	0	131	OE
6	Saroornagar	19468	2643	3462	0	1512	1949	2339	0	131	OE
7	Hayathnagar	9966	1179	1275	0	1164	111	210	0	108	OE
8	Manchal	19785	2039	1970	68	1819	151	234	0	97	Critical
9	Rangapur	2955	322	309	14	289	19	35	0	96	Critical
10	Yacharam	19484	1821	1658	163	1586	72	128	107	91	Critical
11	Ibrahimpattanam Kandukuru	39335	3754	3384	370	3234	150	213	307	90	Critical

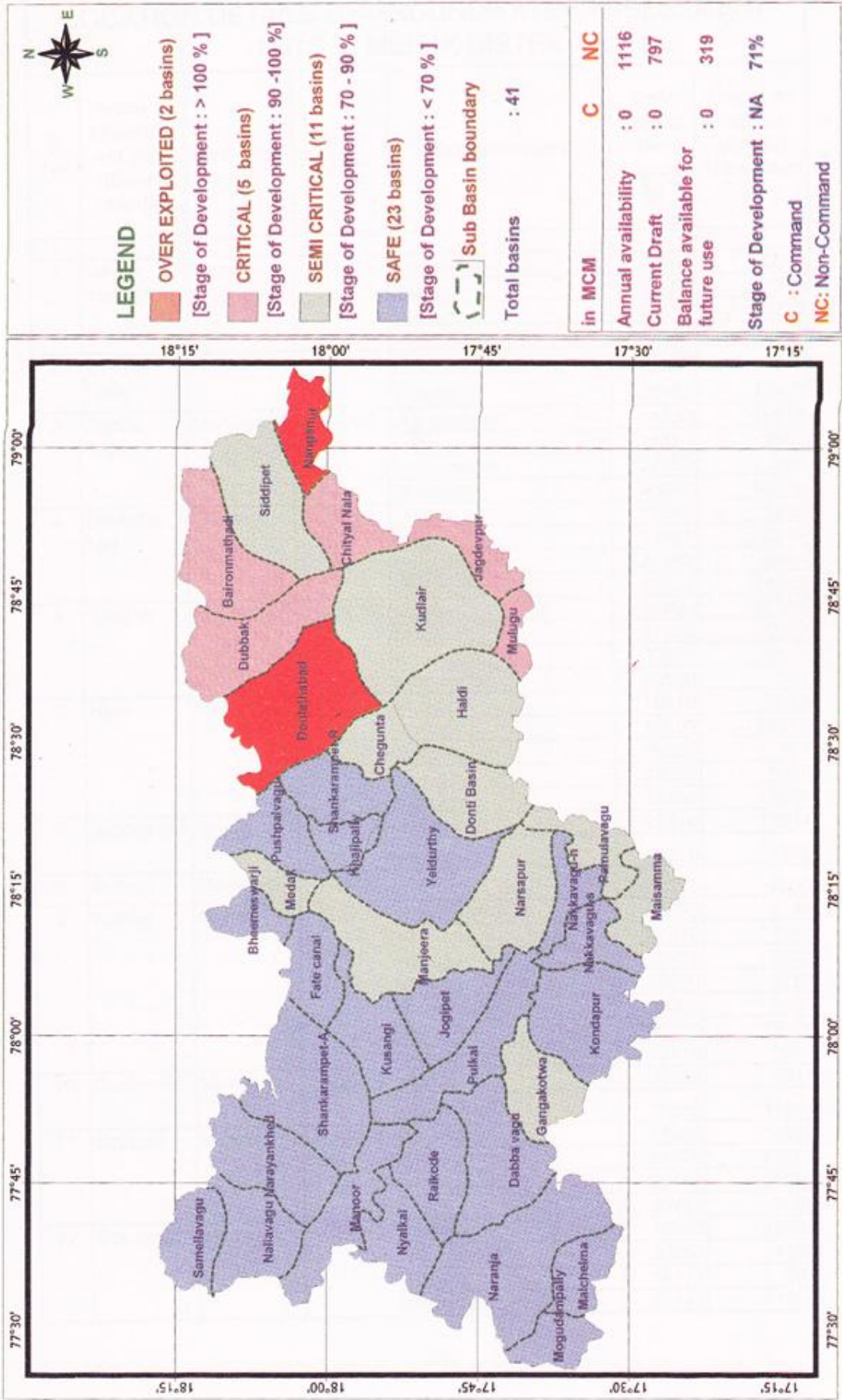
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current annual draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and Industrial needs at 2025 ha.m	Net annual ground water availability for future irrigation use ha.m	Stage of development %		Categorisation
		NC	NC								NC	NC	
1	2	3	4	5	6	7	8	9	10	11	12	NC	NC
12	Mahesh waram	16807	1425	1219	206	1139	79	128	158	86	SC		
13	Palmakul	16996	1805	1062	742	994	69	103	708	59	Safe		
14	Shamsha bad	17996	1905	1061	843	966	96	216	722	56	Safe		
15	Shabad	22699	2294	1369	925	1283	86	155	857	60	Safe		
16	Chevella	30933	2095	2109	0	1982	127	231	0	101	OE		
17	Chevella_N	27304	1562	1987	0	1853	134	185	0	127	OE		
18	Shankarpally	18657	4770	2180	2591	1000	1180	1416	2355	46	Safe		
19	Nawabpet	2654	199	173	26	161	12	26	12	87	SC		
20	Vikarabad	25564	2233	1511	722	1405	105	330	498	68	Safe		
21	Kankal	10161	948	439	509	399	40	88	461	46	Safe		
22	Doma	14375	2587	2174	413	2106	68	145	336	84	SC		
23	Gandeed	21303	3488	3357	131	3267	90	215	6	96	Critical		
24	Mahammadabad	5599	940	955	0	944	12	51	0	102	OE		



S. No	Name of the Basin	Area considered for recharge ha	Net annual groundwater availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current annual draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and industrial needs at 2025 ha.m	Net annual ground water availability for future irrigation use ha.m	Stage of development %	Category
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1	2	3	4	5	6	7	8	9	10	11	12
25	Pargi	24922	2515	1882	633	1761	121	222	532	75	SC
26	Bantwaram	29237	2275	1008	1267	908	100	200	1168	44	Safe
27	Mominpet	12797	1106	641	465	601	39	113	391	58	Safe
28	Marpally	14982	1208	555	653	505	50	121	582	46	Safe
29	Peddamal	17961	1462	894	568	815	79	110	536	61	Safe
30	Tandur_N	6293	425	142	284	119	23	49	257	33	Safe
31	Tandur	17429	1988	866	1122	777	89	213	998	44	Safe
32	Yalal_NE	6830	951	543	408	510	33	42	399	57	Safe
33	Yalal	10027	1345	735	611	694	40	77	574	55	Safe
34	Basheerabad	18802	2293	601	1692	519	82	130	1643	26	Safe
	District Total	590378	64262	51755	12507	42528	9227	13129	8605	81	SC
	ABSTRACT	OE = 9	Critical =5	SC =5	Safe =15	Total Basins = 34					

Note: OE = Over exploited; SC = Semi-critical; NC = non-command and NA = Not applicable; Col.no.6 = Col.no.4 - Col.no.5; Col.no.10 = Col.no.4 - (Col.no.7 - Col.no.9); Command area is nil

# STATUS OF GROUNDWATER DEVELOPMENT - MEDAK DISTRICT [ SUB - BASIN WISE ]





**LOCATION DETAILS OF GROUNDWATER ASSESSMENT  
UNITS IN MEDAK DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandalscovered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
1	Bairon mathadi	Manair	172201	Chinnakodur	26167	8811
				Siddipet	24908	12762
				Dubbak	21597	3730
				Mirdoddi	19551	197
2	Chityal Nala	Manair	172202	Siddipet	24908	490
				Kondapak	30762	15673
3	Dabba vagu	Manjeera	172003	Jharasangam	21030	12218
				Kohir	21410	2557
				Sadashivpet	22560	286
				Munipally	20220	16738
4	Doulathabad	Manair	172204	Dubbak	21597	1498
				Mirdoddi	19551	8249
				Doulathabad	21542	5564
				Ramayampet	20633	14289
5	Dubbak	Manair	172205	Dubbak	24400	17566
				Mirdoddi	21470	10459
				Kondapak	30880	2539
				Siddipet	26530	536
6	Haladi	Manjeera	172006	Mulugu	18810	6018
				Wargal	16990	14573
				Gajwel	20360	757
				Doulathabad	23320	5860
				Toopran	19180	12554
7	Jagdev pur	Musi	174707	Jagdevpur	22770	13944
				Mulugu	18810	1356
8	Mulugu	Manjeera	172008	Mulugu	18810	6000
9	Kudlair	Manair	172209	Kondapak	30880	9144
				Mirdoddi	21470	1380
				Mulugu	18810	3623
				Wargal	16990	3755
				Doulathabad	23320	9457
				Gajwel	20360	19228
				Jagdevpur	22770	9313
10	Nanganur	Manair	172210	Kondapak	30880	2311
				Nanganur	17550	11389
11	Siddipet	Manair	172211	Nanganur	17649	4938
				Siddipet	24908	13101
				Chinnakodur	26167	16099
				Kondapak	30762	3062
12	Chegunta	Manjeera	172012	Chegunta	19903	12566
				Yeldurthy	20257	1330
				Toopran	19171	364
				Doulathabad	21542	1065

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandalscovered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
13	Pushpal vagu	Manjeera	172013	Medak	31599	7357
				Ramayampet	20633	7119
				Shankarampet-R	21193	394
14	Medak	Manjeera	172014	Medak	30260	9900
15	Shankarampet-R	Manjeera	172015	Ramayampet	20633	526
				Shankarampet-R	15590	12267
				Yeldurthy	20257	729
				Chegunta	19903	7325
16	Khajipally	Manjeera	172016	Shankarampet-R	15590	2160
				Yeldurthy	20270	2085
				Medak	30260	4326
17	Kondapur	Manjeera	172017	Kondapur	15802	15802
				Sadashivpet	22560	7744
				Sangareddy	20830	11605
18	Maisamma	Musi	174718	Patancheru	22710	7849
				Ramachandrapuram	7651	7651
19	Maicheima	L.Bheema	174319	Zaheerabad	40530	6927
				Kohir	21410	3149
20	Manjeera	Manjeera	172020	Medak	30260	298
				Kulcharam	16400	9392
				Kowdipally	22470	15831
				Narsapur	18400	975
				Hatnoora	21040	5882
21	Mogudampally	L.Bheema	174321	Zaheerabad	40530	14545
22	Nakka vagu-n	Manjeera	172022	Patancheru	22710	3629
				Jinnaram	20700	4746
				Hatnoora	21040	605
				Sangareddy	20830	311
23	Nakka vagu-s	Manjeera	172023	Patancheru	22710	5376
				Sangareddy	20830	9093
24	Pamula vagu	Musi	174724	Patancheru	25193	7301
				Jinnaram	20944	11251
25	Narsapur	Manjeera	172025	Narsapur	22245	8760
				Hatnoora	22184	15349
				Jinnaram	20944	3824
				Sangareddy	24613	280
26	Raikode	Manjeera	172026	Raikode	21301	14561
				Jharasangam	21023	2653
				Narayankhed	21734	1468
27	Nyalkal	Manjeera	172027	Nyalkal	24990	16630
				Raikode	21310	6883
28	Naranja	Manjeera	172028	Zaheerabad	40530	22259
				Kohir	21410	17016
				Jharasangam	21030	5359
				Nyalkal	24990	6990

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandalscovered	Total Area of the mandal ha	Area of the mandal covered in the basin ha
1	2	3	4	5	6	7
29	Shankarampet-A	Manjeera	172029	Tekmal	15740	5632
				Alladurg	13470	2134
				Regode	15160	5829
				Kalher	22230	5159
				Narayankhed	21480	7196
				Shankarampet-A	15573	15573
30	Yeldurthy	Manjeera	172030	Narsapur	22245	9008
				Kowdipally	22733	8991
				Kulcharam	16393	6198
				Yeldurthy	20257	16605
				Shivampet	38904	3735
31	Donti Basin	Manjeera	172031	Shivampet	20324	14223
				Jinnaram	20697	3824
				Toopran	19180	6746
				Yeldurthy	20266	692
32	Fate canal	Manjeera	172032	Papannapet	18692	16900
33	Ganga kotwa	Manjeera	172033	Sadashivpet	22560	11608
				Munipally	20220	2039
34	Jogipet	Manjeera	172034	Andole	16140	12971
				Pulkal	24520	5229
35	Kusangi	Manjeera	172035	Andole	16140	1685
				Alladurg	13470	7728
				Tekmal	15740	9397
				Papannapet	18490	2289
36	Manoor	Manjeera	172036	Alladurg	13470	240
				Regode	15160	3913
				Manoor	29320	22539
37	Nalla vagu	Manjeera	172037	Kangti	25600	8955
				Kalher	22230	3561
				Narayankhed	21480	2773
				Manoor	29320	4837
38	Narayan khed	Manjeera	172038	Kalher	22230	11387
				Narayankhed	21480	11148
				Manoor	29320	1288
39	Pulkal	Manjeera	172039	Andole	20766	824
				Pulkal	24778	16328
				Alladurg	25119	3319
				Regode	15304	5513
40	Samella vagu	Manjeera	172040	Kalher	22230	1394
				Kangti	25600	14837
41	Bheeme swarji	Manjeera	172041	Modak	58283	9441
				Tadwai(Nzb)	15459	15459

## BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT OF MEDAK DISTRICT

S. No	Name of the Basin	Area considered for recharge Ha	Net annual ground water availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current annual draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and Industrial needs at 2025 ha.m	Net annual ground water availability for future irrigation use ha.m	Stage of development %	Category
1	2	3	4	5	6	7	8	9	10	11	12
1	Baironmathadi	23700	3259	3156	103	3040	116	194	25	97	Critical
2	Chityal Nala	15315	2017	1830	187	1783	47	105	129	91	Critical
3	Dabba vagu	30239	3771	1937	1834	1840	97	176	1756	51	Safe
4	Doulathabad	27486	3262	3849	0	3715	133	300	0	118	OE
5	Dubbak	29474	3155	3006	149	2880	126	204	71	95	Critical
6	Haldi	38722	5269	4407	862	4205	202	293	771	84	SC
7	Jagdevpur	14229	1521	1460	61	1407	53	97	17	96	Critical
8	Mutugu	4929	527	497	30	463	34	37	27	94	Critical
9	Kudlair	53499	7350	6390	960	6193	197	439	719	87	SC
10	Nanganur	13252	1782	1920	0	1863	58	92	0	108	OE
11	Siddipet	36045	4768	4174	594	4015	159	225	528	88	SC
12	Chegunta	13967	1906	1435	471	1350	85	123	432	75	SC
13	Pushpalvagu	13594	1971	1367	604	1292	75	125	554	69	Safe
14	Medak	8883	1360	999	360	936	63	100	323	73	SC
15	Shankarampet-R	19833	2886	1822	1064	1732	90	169	985	63	Safe
16	Khulipally	7945	1145	530	607	475	62	75	595	47	Safe

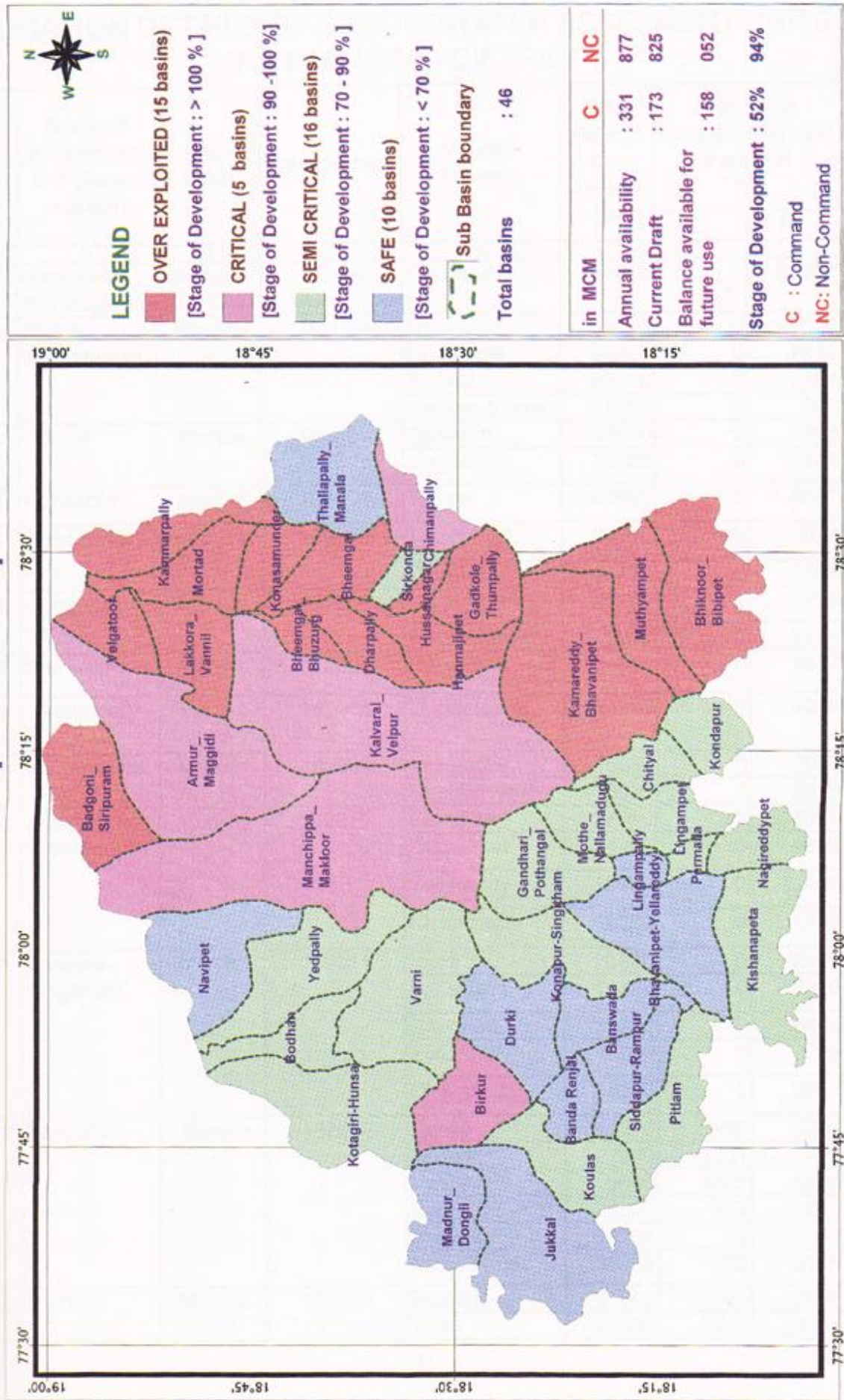
S. No	Name of the Basin	Area considered for recharge Ha	Net annual ground water availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current annual draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and Industrial needs at 2025 ha.m	Net annual ground water availability for future irrigation use ha.m	Stage of development %	Category
1	2	3	4	5	6	7	8	9	10	11	12
17	Kondapur	34020	3855	1483	2372	1234	249	563	2057	38	Safe
18	Maisamma	15500	1506	1060	446	922	138	143	441	70	SC
19	Maichelma	9700	1493	1043	450	985	58	62	445	70	Safe
20	Manjeera	29226	3982	2935	1047	2805	130	226	951	74	SC
21	Mogudampally	14158	2074	1181	893	1132	50	81	862	57	Safe
22	Nakkavagu-n	9242	1194	762	431	646	116	139	408	64	Safe
23	Nakkavagu-s	14341	1647	1002	645	654	348	417	576	61	Safe
24	Pamulavagu	17534	2322	1842	480	1060	781	937	324	79	SC
25	Narsapur	27086	3658	3176	482	3051	126	214	393	87	SC
26	Raikode	18097	2376	1484	892	1434	50	106	836	62	Safe
27	Nyalkal	23463	1984	1093	891	1035	58	130	819	55	Safe
28	Naranja	49136	7143	4825	2318	4585	240	517	2041	68	Safe
29	Shankarampet-A	38889	5358	2539	2819	2373	167	302	2684	47	Safe
30	Yeldurthy	39393	5869	3788	2081	3616	172	276	1976	65	Safe
31	Donti Basin	25088	3496	2713	784	2533	180	257	707	78	SC
32	Fate canal	14512	1828	1007	821	939	68	150	740	55	Safe
33	Gangakotwa	12240	1307	956	351	885	71	313	110	73	SC
34	Jogipet	17675	2222	1551	671	1450	102	225	548	70	Safe



S. No	Name of the Basin	Area considered for recharge Ha	Net annual ground water availability ha.m	Current gross annual ground water draft for all uses ha.m	Annual groundwater availability for future use ha.m	Current annual draft for irrigation ha.m	Current draft for domestic and industrial needs ha.m	Demand for domestic and Industrial needs at 2025 ha.m	Net annual ground water availability for future irrigation use ha.m	Stage of development %	Category
1	2	3	4	5	6	7	8	9	10	11	12
35	Kusangi	20313	2314	1096	1218	1006	90	157	1150	47	Safe
36	Manoor	24722	428	277	151	243	34	174	11	65	Safe
37	Nallavagu	18189	649	264	385	212	52	95	342	41	Safe
38	Narayankhed	21005	1948	1235	713	1109	126	227	611	63	Safe
39	Pulkal	25560	3140	1411	1729	1304	108	165	1672	45	Safe
40	Samellavagu	15308	617	189	427	154	35	65	398	31	Safe
41	Bheemeswarji	23418	3225	2001	1224	1940	61	132	1153	62	Safe
	District Total	908928	111584	79702	31883	74496	5206	8830	28259	71	SC
			OE = 2	Critical = 5	SC= 11			Safe = 23	Total Basins = 41		

Note: OE = Over exploited; SC = Semi-critical; NC = non-command and NA = Not applicable; Col.no.6 = Col.no.4 - Col.no.5; Col.no.10 = Col.no.4 - (Col.no.7 + Col.no.9); Command area is nil

# STATUS OF GROUNDWATER DEVELOPMENT - NIZAMABAD DISTRICT [ SUB - BASIN WISE ]



100 Kilometers

50

0



## LOCATION DETAILS OF GROUNDWATER ASSESMENT UNITS IN NIZAMABAD DISTRICT

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Gandhari_Pothangal	Manjira	182001	Gandhari	38310	0	20082
2	Mothe_Nallamadugu	Manjira	182002	Gandhari	38310	0	4696
				Lingampet	24820	0	4872
				Tadwai	23560	0	2198
				Sadasivanagar	21850	0	367
3	Chityal	Manjira	182003	Tadwai	23560	0	8965
				Lingampet	24820	0	980
4	Kondapur	Manjira	182004	Tadwai	23560	0	6341
5	Lingam pet	Manjira	182005	Tadwai	23560	0	813
				Lingampet	24820	0	10696
6	Nagireddy pet	Manjira	182006	Lingampet	24820	0	2776
				Nagireddypet	13050	0	6614
7	Permalla	Manjira	182007	Lingampet	24820	0	1617
8	Lingampally	Manjira	182008	Lingampet	24820	0	1026
9	Kishanapeta	Manjira	182009	Yellareddy	18950	0	7990
				Nagireddypet	13050	0	6819
10	Bhavani pet-Yellareddy	Manjira	182010	Gandhari	38310	0	1091
				Lingampet	24820	0	4849
				Yellareddy	18950	0	11421
				Nizamsagar	16300	0	1469
11	Konapur-Singitham	Manjira	182011	Varni	25530	0	2912
				Banswada	13726	0	2219
				Gandhari	38310	0	6404
				Yellareddy	18950	0	735
				Nizamsagar	16300	0	3017
12	Yedpally	Manjira	182012	Renjal	11370	2990	5254
				Bodhan	27000	1331	479
				Yedpally	9500	3802	5483
				Varni	25530	472	261
				Navipet	19700	0	74
				Nizamabad	38858	336	3116
13	Varni	Manjira	182013	Bodhan	27000	3340	2808
				Varni	25530	5949	13114

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Kotagiri	18740	2335	0
14	Bodhan	Manjira	182014	Bodhan	27000	5295	3502
				Yedpally	9500	91	37
15	Kotagiri-Hunsa	Manjira	182015	Bodhan	27000	3233	7790
				Kotagiri	18740	8906	3846
16	Birkur	Manjira	182016	Kotagiri	18740	2552	1383
				Birkur	18890	3416	4085
17	Durki	Manjira	182017	Bodhan	27000	0	1073
				Varni	25530	0	2604
				Banswada	13726	2777	1926
				Birkur	18890	4715	5176
18	Bans wada	Manjira	182018	Banswada	13726	3141	1648
				Nizamsagar	16300	1369	3916
19	Siddapur-Rampur	Manjira	182019	Pitlam	17710	0	9343
				Nizamsagar	16300	0	5700
20	Banda Renjal	Manjira	182020	Bichkunda	24970	0	5097
				Pitlam	17710	0	1031
21	Koulas	Manjira	182021	Bichkunda	24970	0	12304
				Jukkal	23780	0	3771
22	Jukkal	Manjira	182022	Madnur	22880	0	11579
				Bichkunda	24970	0	5662
				Jukkal	23780	0	19926
23	Madnur_ Dongli	Manjira	182023	Madnur	22880	0	11724
24	Kammarpally	Godavari	182124	Mortad	19870	0	5178
				Kammarpally	24260	0	5401
25	Mortad	Godavari	182125	Mortad	19870	0	10711
				Kammarpally	24260	0	3608
26	Kona samunder	Godavari	182126	Kammarpally	24260	0	3731
				Bheemgal	22000	0	4328
				Mortad	19870	0	1236
27	Thallapally_ Manala	Godavari	182127	Kammarpally	24260	0	10108
				Bheemgal	22000	0	2933
				Sirkonda	28040	0	860
28	Bheemgal	Godavari	182128	Bheemgal	22000	0	600
				Velpur	12260	0	9241
				Sirkonda	28040	0	3960
				Kammarpally	24260	0	336
29	Sirkonda	Godavari	182129	Sirkonda	28040	0	4361
30	Hussai nagar	Godavari	182130	Sirkonda	28040	0	3941
31	Gadkole_ Thumpally	Godavari	182131	Sirkonda	28040	0	7362
				Machareddy	29880	0	3199

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Kammarpally	24260	0	630
32	Hanmaji pet	Godavari	182132	Sirkonda	28040	0	6768
				Dharpally	22680	0	2957
				Machareddy	29880	0	301
33	Dharpally	Godavari	182133	Bheemgal	22000	0	1085
				Dharpally	22680	0	3488
				Jakranpally	49670	0	1032
				Sirkonda	28040	0	2025
34	Bheemgal_ Bhuzurg	Godavari	182134	Velpur	12260	0	538
				Bheemgal	22000	0	2393
				Dharpally	22680	0	220
35	Kalvaral_ Velpur	Godavari	182135	Velpur	12260	0	6636
				Bheemgal	22000	0	885
				Jakranpally	49670	0	11310
				Dharpally	22680	0	15883
				Nizamabad	38858	0	706
				Gandhari	38310	0	3590
				Dichpally	22270	0	15808
				Sadasivanagar	21850	0	10799
				Armur	20760	0	1196
36	Lakkora_ Vannil	Godavari	182136	Velpur	12260	0	4874
				Balkonda	20390	0	2199
				Armur	20760	0	2705
				Mortad	19870	0	2837
37	Velgatoor	Godavari	182137	Mortad	19870	0	293
				Balkonda	20390	0	7464
38	Armur_ Maggidi	Godavari	182138	Balkonda	20390	0	10678
				Jakranpally	49670	0	2717
				Armur	20760	0	15316
				Nandipet	27720	1030	4184
				Makloor	18880	1447	5575
39	Badgoni_ Siripuram	Godavari	182139	Nandipet	27720	4169	12161
40	Manchippa_ Makloor	Godavari	182140	Navipet	19700	897	2836
				Nizamabad	38858	9856	27639
				Nandipet	27720	2756	2359
				Makloor	18880	4213	7524
				Dichpally	22270	3607	3534
				Gandhari	38310	0	2403
41	Navipet	Godavari	182141	Navipet	19700	6475	9119
				Renjal	11370	3566	0
42	Kamareddy_ Bhavanipet	Maneru	182042	Machareddy	29880	0	12722
				Bhiknoor	17820	0	514

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Sadasivanagar	21850	0	11913
				Kamareddy	11850	0	9335
				Tadwai	23560	0	6432
43	Muthyampet	Maneru	182043	Bhiknoor	17820	0	4911
				Tadwai	23560	0	283
				Kamareddy	11850	0	1248
				Domakonda	16850	0	5345
				Machareddy	29880	0	8430
44	Bhiknoor_ Bibipet	Maneru	182044	Bhiknoor	17820	0	13045
				Domakonda	16850	0	11570
45	Chimanpally	Maneru	182045	Machareddy	29880	0	6551
				Kammarpally	24260	0	1872
				Sirkonda	28040	0	5587
46	Pitlam	Manjira	182046	Nizamsagar	16300	0	3187
				Pitlam	17710	0	8574
				Bichkunda	24970	0	2795

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
NIZAMABAD DISTRICT**

S. No	Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	2																					
1	Gandhari_Pothagal	0	19988	0	2848	0	2005	0	842	0	1960	0	45	0	74	0	813	NA	70	NA	SC	
2	Mothe_	0	11949	0	1213	0	1008	0	205	0	975	0	33	0	45	0	193	NA	83	NA	SC	
3	Nallamadugu	0	9695	0	1159	0	982	0	177	0	962	0	20	0	47	0	151	NA	85	NA	SC	
4	Chityal	0	6321	0	792	0	647	0	145	0	634	0	13	0	43	0	115	NA	82	NA	SC	
5	Kondapur	0	8053	0	974	0	732	0	242	0	708	0	24	0	60	0	206	NA	75	NA	SC	
6	Lingampet	0	8915	0	1624	0	1389	0	236	0	1358	0	31	0	68	0	198	NA	86	NA	SC	
7	Nagireddytpet	0	1588	0	294	0	210	0	84	0	200	0	10	0	13	0	80	NA	72	NA	SC	
8	Permallia	0	1010	0	178	0	105	0	73	0	101	0	5	0	6	0	72	NA	59	NA	Safe	
9	Lingampally	0	14181	0	2271	0	1758	0	512	0	1698	0	60	0	139	0	433	NA	77	NA	SC	
10	Kishanapeta	0	16905	0	2043	0	1395	0	648	0	1353	0	42	0	108	0	582	NA	68	NA	Safe	
11	Bhavanipet-Yellareddy	0	15060	0	1928	0	1477	0	451	0	1452	0	25	0	57	0	419	NA	77	NA	SC	
12	Konapur-Singitham	8880	14202	2711	1465	2160	1137	551	328	2075	1129	85	8	214	50	422	286	80	78	SC	SC	
13	Yedpally	11550	15083	3458	1613	2257	1441	1201	171	2146	1405	111	36	252	44	1060	164	65	89	Safe	SC	
14	Varni	5260	3380	2393	359	913	296	1480	62	888	286	25	11	87	29	1439	44	38	83	Safe	SC	
	Bodhan																					



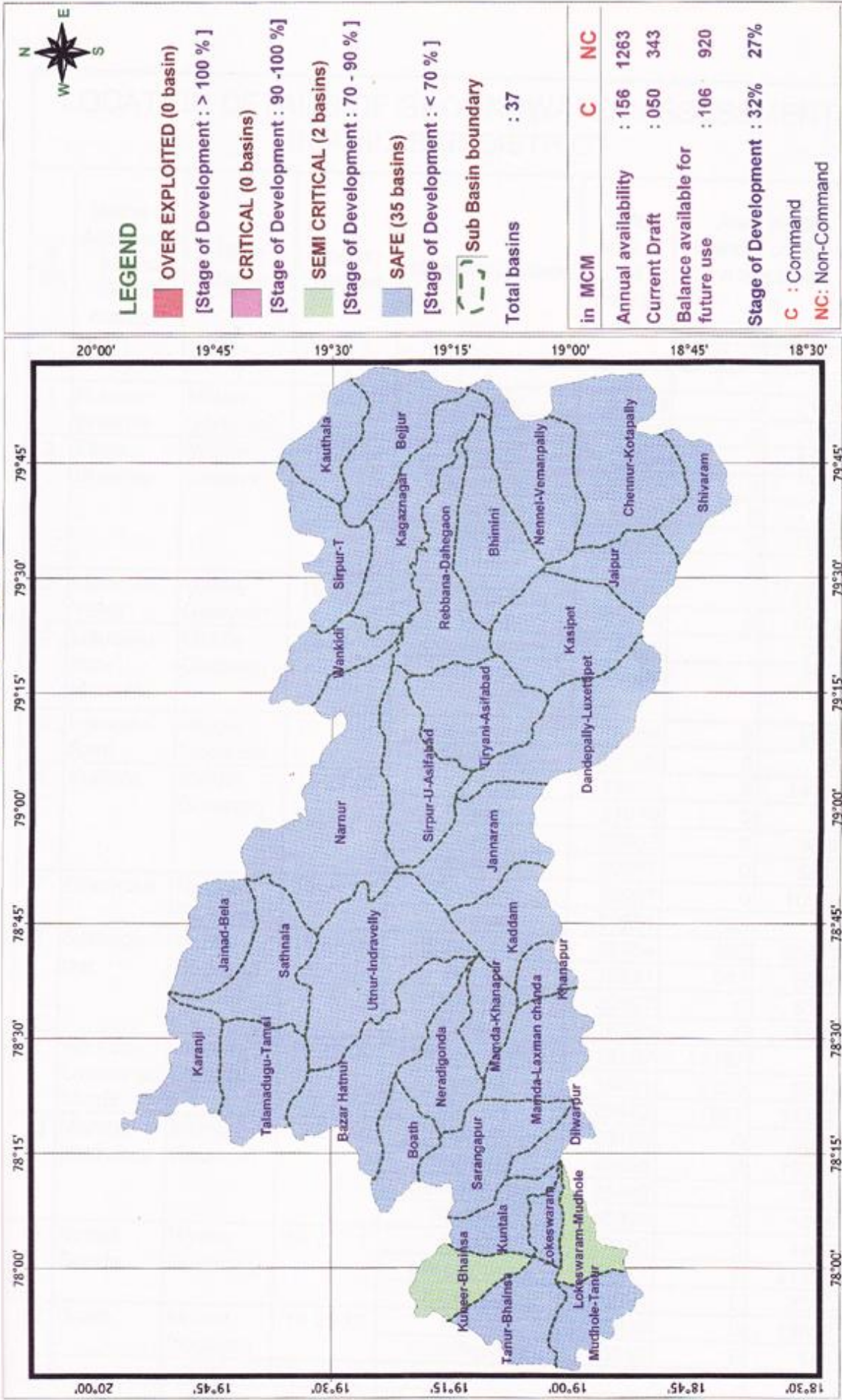
S. No	Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
15	Kotagiri-Hunsa	11865	11420	3862	1191	2270	894	1592	297	2210	873	60	22	177	78	1476	241	59	75	Safe	SC
16	Birkur	5967	5066	2958	574	1586	565	1372	9	1535	565	51	0	107	0	1316	9	54	98	Safe	Critical
17	Durki	7480	10486	2059	938	572	355	1486	583	511	334	61	21	133	38	1414	566	28	38	Safe	Safe
18	Banswada	4510	5186	1094	627	547	60	548	568	483	55	63	4	162	5	449	567	50	9	Safe	Safe
19	Siddapur-Rampur	0	14689	0	1402	0	921	0	481	0	882	0	39	0	78	0	441	NA	66	NA	Safe
20	Banda Renjal	0	5721	0	724	0	425	0	299	0	411	0	14	0	32	0	281	NA	59	NA	Safe
21	Koulas	0	15558	0	1521	0	1050	0	471	0	1008	0	42	0	80	0	433	NA	69	NA	SC
22	Jukkal	0	35515	0	4496	0	2329	0	2166	0	2223	0	106	0	214	0	2058	NA	52	NA	Safe
23	Madnur-Dongli	0	11505	0	1026	0	375	0	651	0	339	0	37	0	87	0	601	NA	37	NA	Safe
24	Kammarpally	0	10460	0	1408	0	1408	0	0	0	1385	0	23	0	57	0	0	NA	100	NA	OE
25	Mortad	0	13730	0	2163	0	2313	0	0	0	2262	0	51	0	130	0	0	NA	107	NA	OE
26	Konasamunder	0	8736	0	1301	0	1362	0	0	0	1341	0	21	0	50	0	0	NA	105	NA	OE
27	Thalappally-Manala	0	13556	0	1416	0	725	0	691	0	713	0	12	0	30	0	673	NA	51	NA	Safe
28	Bheemgal	0	13425	0	2304	0	3553	0	0	0	3514	0	39	0	118	0	0	NA	154	NA	OE
29	Sirkonda	0	4347	0	566	0	463	0	103	0	454	0	8	0	16	0	96	NA	82	NA	SC
30	Hussainagar	0	3929	0	651	0	909	0	0	0	898	0	11	0	25	0	0	NA	140	NA	OE

S. No	Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
31	Gadkole_Thumpally	0	11106	0	1266	0	1442	0	0	0	1424	0	18	0	39	0	0	NA	114	NA	OE
32	Hanmajipet	0	9630	0	1397	0	1625	0	0	0	1605	0	20	0	55	0	0	NA	116	NA	OE
33	Dharpally	0	7262	0	1141	0	1651	0	0	0	1625	0	25	0	55	0	0	NA	145	NA	OE
34	Bheemgal_Bhuzurg	0	3088	0	551	0	842	0	0	0	829	0	13	0	24	0	0	NA	153	NA	OE
35	Kalvaral_Velpur	0	63719	0	8240	0	8130	0	110	0	7967	0	163	0	489	0	0	NA	99	NA	Critical
36	Lakkora_Vannil	0	12316	0	1923	0	2700	0	0	0	2651	0	49	0	145	0	0	NA	140	NA	OE
37	Velgatoor	0	7558	0	1024	0	1424	0	0	0	1396	0	28	0	85	0	0	NA	139	NA	OE
38	Armur_Maggidi	2477	37033	1220	6229	300	5976	920	253	265	5848	34	127	74	566	881	0	25	96	Safe	Critical
39	Badgoni_Siripuram	4169	10816	1852	1287	724	1701	1128	0	701	1683	24	18	44	72	1107	0	39	132	Safe	OE
40	Manchippa_Makloor	21193	43927	8130	6081	4204	5821	3926	260	3982	5694	222	127	994	330	3155	58	52	96	Safe	Critical
41	Navipet	10030	8608	3381	970	1759	615	1622	355	1672	607	87	8	122	23	1587	340	52	63	Safe	Safe
42	Kamareddy_Bhavanipet	0	39733	0	6391	0	6632	0	0	0	6452	0	180	0	508	0	0	NA	104	NA	OE
43	Muthyampet	0	19217	0	2954	0	3761	0	0	0	3696	0	65	0	174	0	0	NA	127	NA	OE
44	Bhiknoor_Bibipet	0	23483	0	3737	0	5014	0	0	0	4927	0	87	0	284	0	0	NA	134	NA	OE
45	Chimanpally	0	11963	0	1711	0	1643	0	68	0	1625	0	18	0	44	0	42	NA	96	NA	Critical
46	Pitlam	0	13837	0	1760	0	1271	0	489	0	1226	0	46	0	104	0	430	NA	72	NA	SC

S. No	Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	District Total	93380	652954	33118	87731	17291	82537	15827	5194	16468	80731	823	1806	2344	4820	14306	2180	52	94	Safe	Critical
	Total NC & C	746335		120850		99828		21021		97199		2630		7165		16486					
	ABSTRACT	OE = 15		Critical = 5		SC = 16		Safe = 10		Total basins = 46											

Note: OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command and NA = Not applicable; Col.no.5 = Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT - ADILABAD DISTRICT [ SUB - BASIN WISE ]





## LOCATION DETAILS OF GROUNDWATER ASSESSMENT IN ADILABAD DISTRICT

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Kubeer-Bhainsa	Middle Godavari	19 21 01	Kubeer	27949	0	21580
				Bhainsa	23953	0	7883
2	Tanur-Bhainsa	Middle Godavari	19 21 02	Tanur	21564	0	11164
				Mudhole	26886	0	3722
				Lokeswaram	18888	0	408
				Bhainsa	23953	0	12372
				Kubeer	27949	0	5755
3	Mudhole-Tanur	Middle Godavari	19 21 03	Mudhole	26886	0	16405
				Tanur	21564	0	10400
4	Lokeswaram-Mudhole	Middle Godavari	19 21 04	Lokeswaram	18888		9411
				Mudhole	26886		6670
5	Lokeswaram	Middle Godavari	19 21 05	Lokeswaram	18888	0	9069
				Mudhole	26886	0	89
6	Kuntala	Middle Godavari	19 21 06	Kuntala	18926	0	14357
				Kubeer	27949	0	796
				Bhainsa	23953	0	3698
				Dilwarpur	20997	0	5813
7	Dilwarpur	Middle Godavari	19 21 07	Dilwarpur	20997	0	10027
				Nirmal	19251	885	0
8	Saranga pur	Middle Godavari	19 21 08	Sarangapur	26954	982	25972
				Nirmal	19251	847	8686
				Dilwarpur	20997	0	5157
				Kuntala	18926	0	4569
9	Mamda-Laxmanachanda	Middle Godavari	19 21 09	Laxmanchanda	13167	13167	0
				Nirmal	19251	2259	6584
				Mamda	29462	7527	14782
10	Mamda-Khanapur	Middle Godavari	19 21 10	Mamda	29462	0	5069
				Khanapur	46656	0	13044
				Neredigonda	26489	0	891
				Kaddam	46325	0	1065
11	Neradi Gonda	Middle Godavari	19 21 11	Boath	27180	0	1687
				Neredigonda	24411	0	21470
				Khanapur	45094	0	2200
12	Boath	Middle Godavari	19 21 12	Boath	30839	0	19662
				Neredigonda	26489	0	144

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
13	Bazarhatnur	Middle Godavari	19 21 13	Bazarhatnur	21667	0	21667
				Boath	30839	0	9490
				Neredigonda	26489	0	3984
				Ichoda	25481	0	19292
				Khanapur	46656	0	7883
14	Utnur-Indravelly	Middle Godavari	19 21 14	Gudihathnur	14517	0	11556
				Ichoda	25481	0	6189
				Indravelli	30353	0	30353
				Utnoor	31263	0	31263
15	Khanapur	Middle Godavari	19 21 15	Khanapur	46656	1783	13030
				Kaddam	46325	0	1471
				Mamda	29462	0	2084
16	Kaddam	Middle Godavari	19 21 16	Kaddam	46325	1913	19687
				Khanapur	46656	0	8716
17	Jannaram	Middle Godavari	19 21 17	Kaddam	46325	1161	21028
				Jannaram	31199	2447	22914
18	Dande Pally-Luxettipet	Middle Godavari	19 21 18	Jannaram	31199	679	5156
				Dandepally	19448	6692	12756
				Luxettipet	15179	1848	13331
				Mancheriyal	38800	457	14661
19	Kasipet	Middle Godavari	19 21 19	Kasipet	26346	0	26346
				Mancheriyal	38800	0	18240
				Jaipur	38935	0	2888
				Mandamarri	16437	0	10323
				Bellampally	15387	0	8630
				Tandur	15257	0	3001
20	Jaipur	Middle Godavari	19 21 20	Mancheriyal	38800	0	5442
				Mandamarri	16437	0	6114
				Nennel	22185	0	1712
				Bellampally	15387	0	184
				Jaipur	38935	0	11376
21	Shivaram	Middle Godavari	19 21 21	Jaipur	38935	0	10097
				Chennur	29405	0	8473
22	Chennur-Kotapally	Middle Godavari	19 21 22	Jaipur	38935	0	14574
				Nennel	22185	0	4816
				Chennur	29405	0	20935
				Kotapally	38947	0	33191
23	Narnur	Pranahitha	19 25 23	Narnur	43020	0	32669
				Jainur	22465	0	19840
				Sirpur-U	31727	0	3590
				Kerameri	13545	0	12899

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
24	Sirpur-U-Asifabad	Prana Hitha	19 25 24	Asifabad	32837	0	7047
				Wankidi	27038	0	9739
				Jainur	22465	0	2625
				Sirpur-U	31727	0	28137
				Kerameri	13545	0	636
25	Tiryani-Asifabad	Prana Hitha	19 25 25	Tiryani	40914	0	40914
				Asifabad	32837	0	5323
26	Rebbana-Dahegaon	Prana Hitha	19 25 26	Tandur	15257	0	3956
				Rebbana	24395	0	20677
				Asifabad	32837	0	8045
				Bhimini	24171	0	2136
				Dahegaon	30590	0	13528
				Kagaznagar	39685	0	3346
27	Wankidi	Prana Hitha	19 25 27	Wankidi	27038	0	17173
				Asifabad	32837	0	572
				Kagaznagar	39685	0	1182
28	Kagaznagar	Prana Hitha	19 25 28	Kagaznagar	39685	0	30287
				Dahegaon	30590	0	4499
				Sirpur-T	33007	0	3416
				Bejjur	60641	0	17923
29	Bejjur	Prana Hitha	19 25 29	Bejjur	60641	0	36423
				Sirpur-T	33007	0	9178
				Kauthala	26502	0	3769
30	Kauthala	Prana Hitha	19 25 30	Bejjur	60641	0	7729
				Kauthala	26502	0	16275
				Sirpur-T	33007	0	164
31	Bhimini	Prana Hitha	19 25 31	Tandur	15257	0	8300
				Rebbana	24395	0	3718
				Bellampally	15387	0	6573
				Bhimini	24171	0	22035
				Dahegaon	30590	0	12563
				Vemanpally	25554	0	823
32	Nennel-Veman Pally	Prana Hitha	19 25 32	Vemanpally	25554	0	24731
				Kotapally	38947	0	5756
				Nennel	22185	0	16857
33	Karanji	Penganga	19 23 33	Tamsi	26638	0	22921
				Adilabad	37453	0	1642
				Jainad	28149	0	7838
34	Talamadugu-Tamsi	Pen Ganga	19 23 34	Tamsi	26638	0	3717
				Talamadugu	28129	0	28129



S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1.	2	3	4	5	6	7	8
				Adilabad	37453	0	8017
				Gudihathnur	14517	0	2961
35	Sathnala	Pen Ganga	19 23 35	Jainad	28149	1131	4853
				Bela	25484	0	5601
				Narnur	43020	0	7908
				Adilabad	37453	1186	26608
36	Jainad-Bela	Pen Ganga	19 23 36	Jainad	28149	3087	11240
				Bela	25484	0	19883
				Narnur	43020	0	2443
37	Sirpur-T	Wardha	19 24 37	Kauthala	26502	0	6458
				Sirpur-T	33007	0	20519
				Kagaznagar	39685	0	4870
				Wankidi	27083	0	126

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
ADILABAD DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual groundwater availability for future use ha.m			Current annual draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and Industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22									
1	Kubeer-Bhainsa	0	27796	0	2174	0	1535	0	639	0	1485	0	50	0	129	0	560	0	71	NA	SC									
2	Tanur-Bhainsa	0	30610	0	3858	0	1786	0	2072	0	1640	0	147	0	244	0	1974	0	46	NA	Safe									
3	Mudhole-Tanur Lokeswaram-Mudhole	0	24652	0	3069	0	1573	0	1496	0	1520	0	53	0	150	0	1398	0	51	NA	Safe									
4	Mudhole	0	14352	0	1787	0	1445	0	342	0	1403	0	42	0	67	0	316	0	81	NA	SC									
5	Lokeswaram	0	8784	0	1236	0	857	0	379	0	796	0	61	0	73	0	367	0	69	NA	Safe									
6	Kuntala	0	22824	0	3333	0	2259	0	1074	0	2200	0	60	0	118	0	1015	0	68	NA	Safe									
7	Dilwapur	885	10027	291	1060	93	598	198	462	81	532	12	66	14	86	195	441	32	56	Safe	Safe									
8	Sarangapur	1829	41919	569	4198	300	2668	269	1530	237	2478	64	191	76	824	256	896	53	64	Safe	Safe									
9	Laxman chanda Mamda-Khanapur	20475	19311	3954	2575	2058	1041	1896	1535	1935	978	122	63	131	162	1888	1435	40	40	Safe	Safe									
10	Khanapur	0	19497	0	1413	0	313	0	1100	0	301	0	11	0	36	0	1075	0	22	NA	Safe									
11	Neradigonda	0	23174	0	1916	0	532	0	1384	0	478	0	53	0	84	0	1354	0	28	NA	Safe									
12	Boath	0	18672	0	1546	0	559	0	987	0	521	0	38	0	82	0	944	0	36	NA	Safe									
13	Bazar Hatnur	0	57665	0	4717	0	1630	0	3087	0	1464	0	166	0	207	0	3046	0	35	NA	Safe									
14	Ulnur-Indravelly	0	72978	0	9785	0	1690	0	8096	0	1437	0	252	0	350	0	7968	0	17	NA	Safe									
15	Khanapur	1783	16585	587	1116	448	260	139	856	413	244	35	16	35	95	139	777	76	23	Safe	Safe									
16	Kaddam	1290	24876	315	2190	184	690	131	1500	169	651	15	39	31	144	115	1395	58	32	Safe	Safe									

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori-sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
17	Jannaram	3284	41991	523	3632	251	648	272	2984	230	584	21	64	51	219	242	2829	48	18	Safe	Safe
18	Dandepally-Luxetipet	9263	43396	6241	5784	1542	3418	4699	2366	1483	3291	59	127	108	522	4650	1971	25	59	Safe	Safe
19	Kasipet	0	63102	0	8725	0	2002	0	6723	0	1705	0	298	0	964	0	6056	NA	23	NA	Safe
20	Jaipur	0	21523	0	3153	0	423	0	2730	0	365	0	58	0	346	0	2441	NA	13	NA	Safe
21	Shivaram-Chennur-Kolapally	0	12602	0	1535	0	545	0	990	0	509	0	36	0	58	0	968	NA	35	NA	Safe
22	Nampur	0	62923	0	6849	0	1264	0	5585	0	1147	0	116	0	252	0	5450	NA	18	NA	Safe
23	Sirpur-U-Asifabad-Tiryani	0	74758	0	5940	0	582	0	5358	0	442	0	140	0	280	0	5218	NA	10	NA	Safe
24	Asifabad-Rebbana-Dahegaon	0	36447	0	2822	0	286	0	2536	0	212	0	73	0	160	0	2449	NA	10	NA	Safe
25	Wankidi	0	39188	0	2951	0	326	0	2624	0	251	0	75	0	90	0	2610	NA	11	NA	Safe
26	Kagaznagar	0	46574	0	4924	0	320	0	4604	0	234	0	86	0	201	0	4489	NA	6	NA	Safe
27	Beijur	0	16698	0	519	0	82	0	437	0	52	0	31	0	60	0	407	NA	16	NA	Safe
28	Kauthala	0	47401	0	4284	0	263	0	4021	0	181	0	82	0	328	0	3775	NA	6	NA	Safe
29	Bhimini-Nenel-Vemanpally	0	39865	0	3583	0	221	0	3362	0	153	0	68	0	132	0	3297	NA	6	NA	Safe
30	Karanji	0	21120	0	2213	0	237	0	1976	0	182	0	55	0	74	0	1957	NA	11	NA	Safe
31	Talamadugu-Tamal	0	40307	0	5189	0	550	0	4649	0	459	0	92	0	207	0	4534	NA	11	NA	Safe
32		0	39761	0	5289	0	338	0	4951	0	186	0	152	0	182	0	4921	NA	6	NA	Safe
33		0	26247	0	1584	0	539	0	1045	0	476	0	62	0	125	0	982	NA	34	NA	Safe
34		0	37974	0	3679	0	1308	0	2281	0	1260	0	139	0	199	0	2221	NA	38	NA	Safe

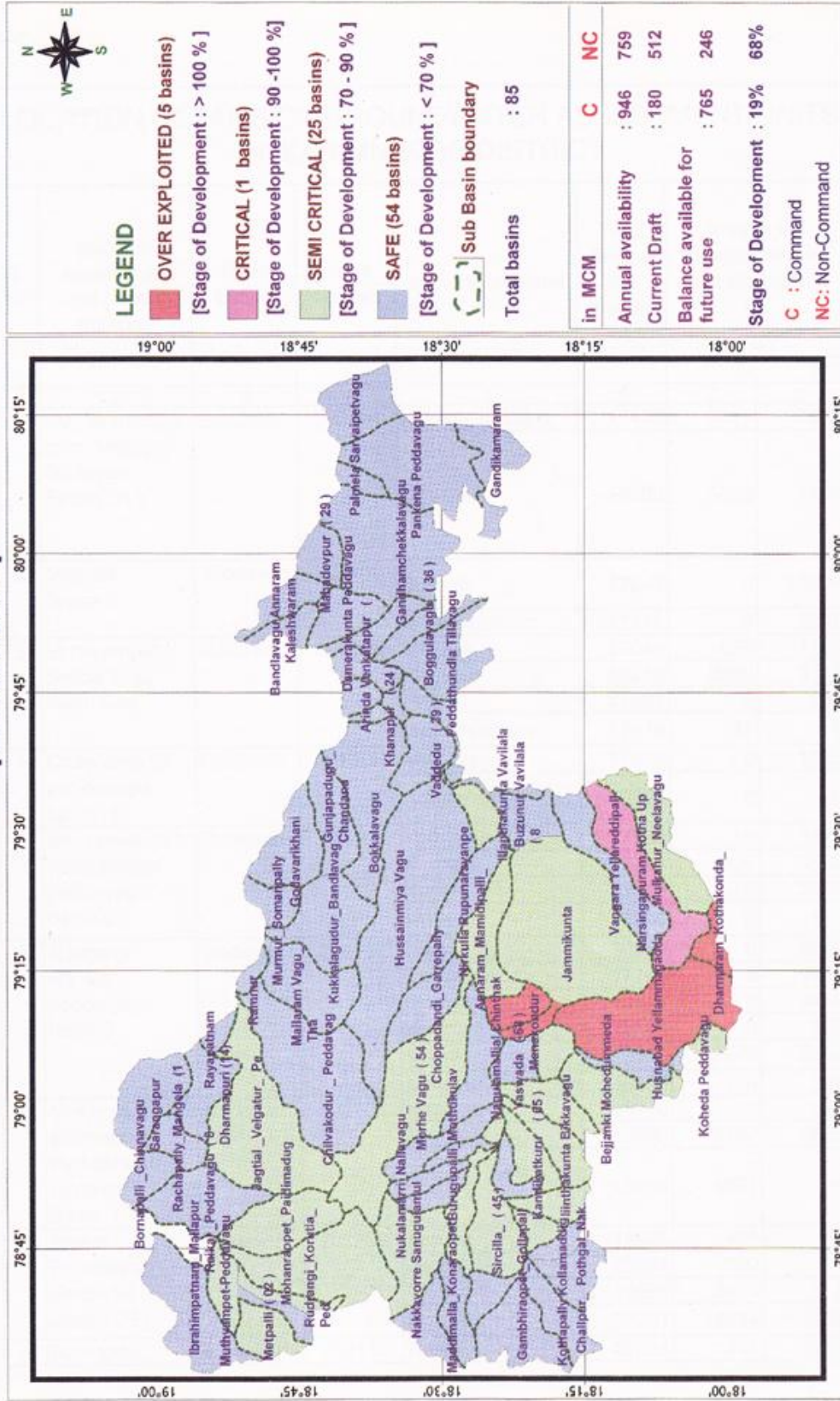
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori- sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
35	Sathnala	2666	28174	1388	3306	45	588	1343	2718	36	463	8	125	10	296	1342	2547	3	18	Safe	Safe
36	Jainad-Bela	3087	25942	1775	1718	76	620	1699	1098	66	527	11	93	22	260	1687	931	4	36	Safe	Safe
37	Sirpur-T	0	31973	0	2675	0	228	0	2447	0	187	0	41	0	105	0	2384	NA	9	NA	Safe
	DISTRICT TOTALS	44562	1231688	15644	126336	4997	34315	10647	92021	4650	30994	347	3322	480	7911	10514	87431	32	27	Safe	Safe
	TOTALS [C + NC]	1276250		141980		39312		102667		35644		3669		8391		97945					
	ABSTRACT	OE = 0		Critical=0		SC = 2		Safe = 35		Total Basins = 37											

Note: OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command and NA = Not applicable; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)



# STATUS OF GROUNDWATER DEVELOPMENT - KARIMNAGAR DISTRICT

[ SUB - BASIN WISE ]





**LOCATION DETAILS OF GROUNDWATER ASSESSMENT UNITS  
IN KARIMNAGAR DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	knr_ibrahimpatnam_Mallapur Godavari Basin( 01 )	Godavari	202101	Ibrahimpattanam	17416	6311	7673
				Mallapur	19280	5063	7135
2	Metpalli Basin-2	Godavari	202102	Metpalli	17648	0	10209
				Ibrahimpattanam	17416	0	3291
3	Muthyampet pedda vagu basin-3&4	Godavari	202103	Metpalli	17648	859	1136
				Mallapur	19280	2289	3314
				Raikal	27031	0	283
				Ibrahimpattanam	17416	141	0
4	Chowlamaddi peddavagu basin -5	Godavari	202105	Metpalli	17648	0	1920
				Korutla	13995	0	40
5	Bhusanrao pet yousufnagar peddavagu basin-6	Godavari	202106	Kathlapur	17762	0	1625
				Metpalli	17648	1336	1502
				Korutla	13995	0	2893
				Mallapur	19280	0	159
6	Rudrangi korutla peddavagu basin-7	Godavari	202107	Chandurty	20652	0	5669
				Kathlapur	17762	0	15765
				Medipalli	19699	0	4818
				Kodimyal	15716	0	107
				Korutla	13995	2979	3064
				Mallapur	19280	0	188
7	Mohanraopet_Paidimadugu_Peddavagu_Godavari_Basin (08)	Godavari	202108	Kodimial	15716	0	71
				Medipalli	19699	3137	9085
				Korutla	13995	4851	0
8	Raikal _ Peddavagu_Godavari Basin( 09 )	Godavari	202109	Korutla	13995	438	0
				Jagtial	20551	260	0
				Medipalli	19699	2419	0
				Raikal	27031	14294	1629
9	Bornapalli_	Godavari	202110	Raikal	27031	441	6220



S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
	Chinnavagu_ Godavari_ Basin( 10)			Sarangapur	28498	0	446
10	Rachapally_ Mangela_ Godavari Basin (11)	Godavari	202111	Sarangapur	28495	4660	10088
				Raikal	27031	81	174
11	Jagtial_ Velgatur_ Peddavagu_ Godavari Basin ( 12 )	Godavari	202112	Raikal	27031	0	1797
				Sarangapur	28498	0	5017
				Dharmapuri	25298	0	4199
				Velgatoor	20733	0	989
				Gollapalli	15415	0	7390
				Mallial	16689	0	8848
				Kodimyal	15716	0	233
				Jagtial	20551	9974	11319
12	Sarangapur_ Godavari_ Basin (13)	Godavari	202113	Saragapur	28428	882	943
				Dharmapuri	25298	4699	2688
13	Dharmapuri_ Godavari Basin(14)	Godavari	202114	Sarangapur	28498	1272	2727
				Dharmapuri	25298	7102	588
14	Rayapatnam_ Godavari	Godavari	202115	Dharmapuri	25298	1838	144
15	Chilvakodur_ Peddavagu Basin (16)	Godavari	202116	Mallial	16689	1133	4415
				Gollapalli	15415	7481	211
				Velgatur	20733	6964	2026
				Pegadapalli	14865	13692	1005
				Gangadhara	16250	0	3391
				Kodimyal	15716	0	870
				Dharmaram	20199	1699	680
16	Ramnur Godavari Basin( 17 )	Godavari	202117	Velgatur	20733	3593	0
17	Mallaram Vagu_Thallakot ha Pete Godavari Basin(18)	Godavari	202118	Velgatoor	20733	5056	1710
				Dharmaram	20199	11001	647
18	Kukkalagudur_ Bandlavagu Godavari Basin( 19)	Godavari	202119	Ramagundam	30481	4927	1992
				Velgatoor	22787	120	0
				Dharmaram	17407	3494	1309

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Julapalli	20199	1010	1127
				Peddapalli	20733	5980	532
19	Murmur_ Somanpally_ Godavari Basin(20)	Godavari	202120	Ramagundam	30481	7959	344
20	Godavarikhani_ Godavari Basin ( 21 )	Godavari	202121	Ramagundam	30481	9294	1479
				Kamanpur	23907	2320	1041
21	Gunjapadugu Chandanapu vagu _ Basin ( 22 )	Godavari	202122	Kamanpur	23907	7347	394
				Manthani	31948	2254	491
				Peddapalli	22787	963	0
				Ramagundam	30481	90	124
22	Bokkalavagu Godavari Basin ( 23 )	Godavari	202123	Peddapalli	22787	2693	1449
				Kamanpur	23907	2868	6665
				Manthani	31948	8915	3319
				Mutharam ( Man )	16169	1007	2041
23	Khanapur Godavari Basin	Godavari	202124	Manthani	31948	0	2588
24	Khansaipet Marrivagu Basin ( 25 )	Godavari	202125	Manthani	31948	0	4808
25	Arinda Venkatapur Manair Basin ( 26 )	Godavari	202126	Manthani	31948	0	5179
26	Bandlavagu Annaram Godavari Basin ( 27 )	L Godavari	202627	Mahadevpur	35456	0	3023
				Kataram	22002	0	207
27	Kaleshwa ram GodavariBasin( 28 )	L Godavari	202628	Mahadevpur	35456	0	6407
				Kataram	22002	0	17
28	Mahadevpur Godavari Basin ( 29 )	L Godavari	202629	Mahadevpur	35456	0	6435
				Kataram	22002	0	1149
29	Gandhamchekkalavagu Godavari Basin ( 30 )	L Godavari	202630	Mahadevpur	35456	0	4734
				Kataram	22002	0	10217
		L Godavari		Mahamutharam	28227	0	16059

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
30	Bandlavagu Lenkalagadda Godavari Basin ( 31 )	L Godavari	202631	Mahadevpur	35456	0	487
				Mahamutharam	28237	0	40
31	Pankena Peddavagu Godavari Basin ( 32 )	L Godavari	202632	Mahadevpur	35456	0	4460
				Mahamutharam	28237	0	12128
32	Palmela Sarvaipetvagu Godavari Basin ( 33 )		202633	Mahadevpur	35456	0	9883
33	Tadicherla Godavari Basin ( 34 )	Godavari	202234	Tadicherla	24447	0	3298
34	Peddathundla Tillavagu Manair Basin ( 35 )	Godavari	202235	Tadicherla	24447	0	11208
35	Boggulavagu Manair Basin ( 36 )	Godavari	202236	Thadicherla	24447	0	5573
36	Bommaraocher oo Vallamkunta Manair Basin	Godavari	202237	Kataram	22002	0	1643
				Thadicherla	24447	0	4137
37	Damerakunta Peddavagu Godavari Basin ( 38 )	Godavari	202638	Thadicherla	24447	0	113
				Kataram	22002	0	8770
				Mahadevpur	35456	0	433
38	Vaddedu Manair Basin ( 39 )	Godavari	202239	Mutharam ( Man )	16169	1307	7240
				Srirampur	17828	0	2418
39	Khammampalli Manair Basin ( 40 )	Godavari	202240	Mutharam ( Man )	16169	104	3439
				Manthani	31948	0	1690
40	Nimmapally_M ulavagu Basin ( 41 )	Godavari	202241	Yellareddypet	30472	0	5568
				Konaraopet	20924	0	3066
41	Maddimalla_Ko naraopet_Mula vagu_Basin ( 42 )	Godavari	202242	Yellareddypet	30472	0	350
				Konaraopet	20924	0	300

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
42	Gambhiraopet_ Gollapally_ Manair Basin ( 43 )	Godavari	202243	Gambhiraopet	15691	0	9389
				Yellareddypet	30472	0	9675
43	Dumala_ Chittivagu Basin ( 44 )	Godavari	202244	Yellareddypet	30472	0	6780
				Konaraopet	20924	0	2267
44	Sircilla_ Manair Basin ( 45 )	Godavari	202245	Sircilla	27941	0	9419
				Vemulavada	20689	0	3095
				Yellareddypet	30472	0	3314
				Konaraopet	20924	0	1875
45	Kanaparthi_ Marupaka_ Mulavagu ( 46 )	Godavari	202246	Konaraopet	20924	0	4444
				Vemulavada	20689	0	4247
				Boinpalli	13423	0	25
46	Nakkavorre Sanugulamula vugu ( 47 )	Godavari	202247	Konaraopet	20924	0	4584
				Yellareddypet	30472	0	225
				Chandurthy	20653	0	14498
				Vemulavada	20689	0	1040
47	Vemulavada_ Mulavagu_ Basin ( 48 )	Godavari	202248	Chandurthy	20652	0	536
				Vemulavada	20689	0	5663
48	Nukalamarri_ Nallavagu_ Mulavagu_ Basin ( 49 )	Godavari	202249	Vemulavada	20689	0	5221
				Boinpalli	13423	0	478
49	Burugupalli_ Mo thukulavagu_ Manar ( 50 )	Godavari	202250	Vemulavada	20689	0	1234
				Boinpalli	13423	0	7607
				Gangadhara	16250	0	356
				Karimnagar	23502	0	101
				Kodimial	15716	0	959
50	Vardavelly_ Mulavagu_ Basin ( 51 )	Godavari	202251	Vemulavada	20689	0	289
				Boinpally	13423	0	2345
51	Manvada Manaie Basin ( 52 )	Godavari	202252	Boinpally	13423	0	2672

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
52	NagulaMallial Chinthakunta Manair Basin ( 53 )	Godavari	202253	Gangadhara	16250	0	1310
				Karinnagar	23502	1635	14047
				Boinpalli	13420	0	307
53	Morhe Vagu Basin ( 54 )	Godavari	202254	Kodimyal	15716	0	13435
				Gangadhara	16250	0	10386
				Ramadugu	13236	0	10501
				Karimnagar	23502	2428	2282
				Choppadandi	14089	51	1697
				Sultanabad	16769	0	299
54	Choppadandi_ Garrepally Manair Basin ( 55 )	Godavari	202255	Choppadandi	14089	3025	3923
				Julapally	17407	0	113
				Sultanabad	13769	3140	168
				Karimnagar	23502	2465	544
				Ramadugu	13236	0	983
55	Nirkulla Rupunarayan pet Manair Basin ( 56 )	Godavari	202256	Odela	14619	2050	4053
				Sultanabad	16769	2116	2905
				Julapalli	17407	335	264
56	Hussainmiya vagu Basin ( 57 )	Godavari	202257	Gngadhara	16250	0	349
				Ramadugu	13236	0	1154
				Choppadandi	14089	2440	2953
				Dharmaram	20199	892	0
				Julapalli	17407	13690	740
				Sultanabad	16769	6018	2124
				Peddapally	22787	10250	0
				Kamanpur	23907	719	0
				Odela	14619	5425	0
Srirampur	17828	8638	4165				
57	Gumpula Motlapally Manair Basin ( 58 )	Godavari	202258	Srirampur	17828	1996	2389
				Odela	14619	1850	1240
58	Kothapally Kollamaddi gudem Manair ( 59 )	Godavari	202259	Gambhiraopet	15961	0	6302
				Yellareddypet	30472	0	691
				Mustabad	15960	0	3256
59	Challpur_ Pothgal_ Nakkavagu Basin ( 60 )	Godavari	202260	Mustabad	15690	0	12489

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
60	Lachapet Jakkapur Nakkavagu Basin ( 61 )	Godavari	202261	Sircilla	27941	0	905
				Mustabad	15960	0	216
61	Thangalla palli Manair basin ( 62 )	Godavari	202262	Sircilla	27941	0	4845
62	Ankushapur Chandravagu Basin( 63 )	Godavari	202263	Sircilla	27941	0	6249
				Illanthakunta	23199	0	1204
63	Cheerlavancha Manair Basin ( 64 )	Godavari	202264	Sircilla	27941	0	5689
				Illanthakunta	23199	0	404
64	Kandikatkuru Manair Basin ( 65 )	Godavari	202265	Illanthakunta	23199	0	7902
				Sircilla	27944	0	110
65	Illanthakunta Bikkavagu Manair Basin ( 66 )	Godavari	202266	Illanthakunta	23199	0	9761
66	Kishanpuram Ganneruvaram ( 67 )	Godavari	202267	Illanthakunta	23199	0	3809
				Bejjanki	25490	0	6201
67	Yaswada Manair Basin ( 68 )	Godavari	202268	Bejjanki	25490	0	3411
68	Vachunuru Mohedummeda Vagu Basin ( 69 )	Godavari	202269	Bejjanki	25490	0	5612
				Thimmapur	16037	0	3222
69	Bejjanki Mohedummeda Vagu Basin ( 70 )	Godavari	202270	Bejjanki	25490	0	8593
				Illanthakunta	23199	0	1274
				Koheda	21250	0	1033
70	Guggilla Mohedummeda Vagu Basin ( 71 )	Godavari	202271	Bejjanki	25170	0	1373
				Koheda	21250	0	2334
71	Koheda Peddavagu	Godavari	202272	Koheda	21250	0	9833

S. No	Name of Assessment unit (Basin/ mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
	Basin ( 72 )			Husnabad	25856	0	2218
72	Husnabad Yellamma gadda Basin(73)	Godavari	202273	Koheda	21251	0	8051
				Chigurgmamaidi	15430	0	7238
				Husnabad	25856	0	19056
				10	17808	0	1976
73	Nusthlapur Mohedummeda Basin ( 74 )	Godavari	202274	Thimmapur	16037	0	3216
				Chigurumamidi	15430	0	3627
74	Manakondur Manair Basin ( 75 )	Godavari	202275	Thimmapur	16037	0	4373
				Manakondur	19744	0	5860
75	Annaram-mamidipalli-kondapaka manair basin-76	Godavari	202276	Manakondur	19744	5699	5284
				Veenavanka	13869	5085	577
76	Jammikunta_ Basin (77)	Godavari	202277	Thimmapur	16037	0	5221
				Chigurumamidi	15430	0	4564
				Saidapur	14479	0	9191
				Husnabad	25856	0	2247
				Huzurabad	13755	898	2877
				Jammikunta	22282	4582	243
				Manakondur	19744	1699	5575
				Veenavanka	13869	2459	5748
				Keshavapatnam	14675	6507	8168
77	Illanthakunta Vavilala Manair Basin ( 78 )	Godavari	202278	Jammikunta	22282	9494	0
78	Vangara Yellareddipalli Salivagu Basin ( 79 )	Godavari	202279	Jammikunta	22282	6458	0
				Kamalapur	16254	398	0
				Huzurabad	13755	4258	4561
				Saidapur	14479	0	5288
				B.D.Pally	17808	0	3786
				Elkathurthy	11183	0	52
79	Narsingapuram Kotha Uppal Peddavagu Basin (80)	Godavari	202280	Kamalapur	16254	5006	3531
				Huzurabad	13755	677	483
				Elkathurthy	11183	0	3146
				B.D.Pally	17808	0	5041

karimnagar

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Husnabad	25856	0	2335
80	AnnaramMulkanur_Neelavagu Basin( 81 )	Godavari	202281	B.D.Pally	17808	0	3472
				Elkathurthy	11183	2846	5140
				Kamalapur	16254	4800	1485
81	Dharmaram_Kothakonda_Basin( 82 )	Godavari	202282	Bheemdevara pally	17808	0	3564
82	Shatrajpally_Manair(83part)	Godavari	202283	Mutharam ( Man)	16169	0	1031
83	Buzunur Vavilala Manair Basin(84 part )	Godavari	202284	Jammikunta	22282	1505	0
84	Guniparthy Salivagu Basin( 85 Part)	Godavari	202285	Kamalapur Mandal	16254	717	327
85	Gandikamaram_Godavari - Basin(86 Part)	Godavari	202286	Mahamutharam Mandal	28237	0	5403



**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
KARIMNAGAR DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2 Ibrahimpattam_Mallapur (01)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1		10043	11965	4089	1201	568	669	3521	532	543	624	25	45	95	177	3451	401	14	56	Safe	Safe
2	Matpalli (02)	0	11492	0	1234	0	919	0	314	0	845	0	74	0	309	0	80	NA	75	NA	SC
3	Muthyampet-Peddavagu (03&04)	3285	4731	1385	524	313	464	1072	60	300	438	13	26	35	130	1050	0	23	89	Safe	SC
4	Chowlamaddi-Peddavagu (05)	0	1959	0	230	0	88	0	142	0	76	0	12	0	27	0	127	NA	38	NA	Safe
5	Bhushan Rao Pet -Yousaf Nagar - Rudrangi_Konata-Peddavagu (07)	1336	5629	669	649	52	548	617	101	46	513	6	35	13	115	610	21	8	84	Safe	SC
6	Mohanraopet_Paidimadugu Peddavagu (08)	2529	24504	387	2731	120	2042	267	689	114	1923	5	119	124	419	149	389	31	75	Safe	SC
7		7895	9156	2843	1017	590	792	2253	225	560	747	29	45	77	119	2208	151	21	78	Safe	SC
8	Raikal Peddavagu (09)	14852	1461	4943	141	1031	40	3912	100	972	36	59	4	153	5	3818	100	21	29	Safe	Safe
9	Bomsipalli_Chinnavagu (10)	441	6666	116	736	35	157	81	580	31	144	5	12	6	22	80	570	30	21	Safe	Safe
10	Rachapally_Mangela (11)	4741	10262	1013	913	127	184	886	729	114	160	13	23	16	42	884	710	13	20	Safe	Safe
11	Jagtal_Veigatur-Peddavagu	8827	33862	3975	3819	1110	2774	2865	1045	1067	2594	43	180	84	989	2824	236	28	73	Safe	SC
12	Sarangapur (13)	5581	3631	1563	364	221	167	1342	198	198	153	24	13	28	24	1337	187	14	46	Safe	Safe
13	Dharmapur (14)	8374	3315	3310	316	341	121	2969	195	395	104	35	16	92	65	2913	147	10	38	Safe	Safe
14	Rayapattam (15)	1838	144	1030	20	123	7	907	13	113	5	10	2	20	2	897	13	12	34	Safe	Safe
15	Chivakodur - Peddavagu (16)	30273	12597	11468	1621	1644	1006	9824	515	1627	918	117	88	267	106	9674	497	14	66	Safe	Safe

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
16	Ramnur ( 17 )	3536	0	1027	0	148	0	879	0	136	0	12	0	19	0	872	0	14	NA	Safe	NA
17	Mallaram Vagu, Thalikothepe ( 18 )	18057	2356	4061	251	927	135	3135	115	864	126	63	10	114	40	3083	85	23	54	Safe	Safe
18	Kukkalgudur, Bandiavagu ( 19 )	15581	4960	5688	485	736	161	4952	325	671	144	65	16	230	80	4786	261	13	33	Safe	Safe
19	Murmu, Somapally ( 20 )	7240	327	1546	31	142	1	1404	30	110	0	32	1	42	2	1394	29	9	4	Safe	Safe
20	Godavarikani ( 21 )	11614	2520	3173	236	212	25	2961	211	156	12	56	13	78	109	2938	115	7	11	Safe	Safe
21	Gunjapadugu, Chandanapu Vagu ( 22 )	11445	2095	3956	211	405	57	3550	154	284	40	122	17	152	80	3520	91	10	27	Safe	Safe
22	Bokkalavagu ( 23 )	9447	9046	2229	868	487	169	1742	699	408	126	79	43	115	110	1705	632	22	19	Safe	Safe
23	Khanapur ( 24 )	0	1276	0	187	0	57	0	130	0	49	0	8	0	10	0	128	NA	31	NA	Safe
24	Khanisipet Mannvagu ( 25 )	0	2371	0	250	0	17	0	233	0	8	0	10	0	11	0	231	NA	7	NA	Safe
25	Arinda Venkatapur ( 26 )	0	2554	0	287	0	44	0	242	0	29	0	16	0	18	0	240	NA	16	NA	Safe
26	Bandlavagu Annaram ( 27 )	0	929	0	107	0	36	0	71	0	17	0	19	0	23	0	67	NA	34	NA	Safe
27	Kaleshwaram ( 28 )	0	2173	0	254	0	66	0	188	0	41	0	25	0	30	0	183	NA	26	NA	Safe
28	Mahaveypur ( 29 )	0	5907	0	805	0	238	0	567	0	218	0	20	0	49	0	538	NA	30	NA	Safe
29	Gandhamchekkalavagu ( 30 )	0	14894	0	1831	0	463	0	1368	0	389	0	74	0	117	0	1325	NA	25	NA	Safe
30	Bandlavagu Lenkalagadda ( 31 )	0	300	0	39	0	8	0	31	0	4	0	4	0	5	0	30	NA	20	NA	Safe
31	Parkena Poddavagu ( 32 )	0	6012	0	786	0	223	0	563	0	183	0	41	0	45	0	559	NA	28	NA	Safe
32	Palmela Sarvaioevagu ( 33 )	0	3495	0	425	0	49	0	376	0	30	0	19	0	20	0	375	NA	12	NA	Safe
33	Tadichena ( 34 )	0	1847	0	219	0	90	0	129	0	80	0	10	0	27	0	113	NA	41	NA	Safe

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		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	Peddathundia Tillavagu	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
34	( 35 )	0	6567	0	667	0	137	0	530	0	108	0	29	0	34	0	524	NA	20	NA	Safe
35	Bogulavagu ( 36 ) Bommaracheroo	0	2925	0	276	0	17	0	259	0	1	0	16	0	19	0	256	NA	6	NA	Safe
36	Vallamkurta ( 37 )	0	3289	0	378	0	53	0	325	0	28	0	25	0	30	0	320	NA	14	NA	Safe
37	Damerakurta Poddavagu ( 38 )	0	6070	0	682	0	83	0	599	0	51	0	32	0	42	0	589	NA	12	NA	Safe
38	Vaddedu ( 39 )	744	5657	108	552	58	234	50	318	48	191	10	43	15	107	45	254	54	42	Safe	Safe
39	Khammampalli ( 40 )	44	4200	41	407	3	40	37	367	2	27	2	13	2	33	37	346	8	10	Safe	Safe
40	Nimmampally_Mulavagu ( 41 )	0	5851	0	716	0	247	0	469	0	227	0	20	0	26	0	463	NA	34	NA	Safe
41	Maddimalla_Konaraopet_Mulavagu ( 42 )	0	6453	0	708	0	592	0	116	0	563	0	29	0	57	0	88	NA	83	NA	SC
42	Gambhiraopet_Goliapally ( 43 )	0	13187	0	1682	0	1130	0	552	0	1052	0	78	0	170	0	460	NA	67	NA	Safe
43	Dumala_Chittivagu ( 44 )	0	5771	0	847	0	582	0	265	0	551	0	31	0	47	0	249	NA	69	NA	Safe
44	Sircilla ( 45 )	0	15548	0	2213	0	1662	0	552	0	1614	0	48	0	204	0	396	NA	75	NA	SC
45	Kanaparthi_Marupaka_Mulavagu ( 46 )	0	7526	0	860	0	764	0	95	0	728	0	36	0	74	0	58	NA	89	NA	SC
46	Nakkavore Sanugulamulavagu	0	15823	0	2448	0	1915	0	533	0	1860	0	55	0	120	0	468	NA	78	NA	SC
47	Vemulavada_Mulavagu_ ( 48 )	0	6000	0	765	0	471	0	294	0	446	0	25	0	67	0	252	NA	62	NA	Safe
48	Nukalamari_Nailavagu_Mulavagu_ ( 49 )	0	5592	0	711	0	493	0	218	0	467	0	26	0	74	0	170	NA	69	NA	Safe
49	Burugupalli_Mothukulavagu	0	9632	0	1610	0	966	0	644	0	918	0	48	0	97	0	595	NA	60	NA	Safe
50	Varavally_Mulavagu_ ( 51 )	0	2589	0	325	0	195	0	130	0	176	0	19	0	28	0	121	NA	60	NA	Safe
51	Manvada Manale ( 52 )	0	2608	0	371	0	284	0	86	0	271	0	14	0	28	0	72	NA	77	NA	SC

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
52	Nagulamali Chinthakunta (53)	1632	15450	208	1447	136	796	72	651	118	693	18	103	18	1056	72	0	65	55	Safe	Safe
53	Morne Vagu (54)	2479	32299	945	4558	215	3672	729	886	193	3409	22	262	28	675	724	474	23	81	Safe	SC
54	Choppadandi Garrepally (55)	8517	5591	2726	792	547	504	2180	288	502	466	44	38	92	90	2132	237	20	64	Safe	Safe
55	Nirkulla Rupunarayarpet (56)	4501	7222	2363	784	393	516	1969	288	372	487	21	29	37	130	1953	168	17	66	Safe	Safe
56	Hussainiya Vagu (57)	43666	10627	15800	1212	2480	731	13320	481	2270	683	210	48	496	209	13034	320	16	60	Safe	Safe
57	Gumpula Mottapally (58)	3653	3398	370	385	265	333	105	52	246	315	19	18	21	43	103	27	72	86	SC	SC
58	Kothapally																				
58	Kolamaddigudem (59)	0	8037	0	846	0	270	0	576	0	230	0	40	0	96	0	519	NA	32	NA	Safe
59	Chalipur_																				
59	Pothgal Nakkavagu	0	10170	0	928	0	281	0	647	0	235	0	45	0	123	0	569	NA	30	NA	Safe
60	Lachapet Jakkapur Nakkavagu (61)	0	1033	0	129	0	76	0	53	0	68	0	7	0	8	0	52	NA	59	NA	Safe
61	Thargalipalli (62)	0	4619	0	609	0	446	0	162	0	430	0	16	0	42	0	136	NA	73	NA	SC
62	Ankushapur Chandravagu (63)	0	7200	0	759	0	646	0	114	0	615	0	31	0	59	0	85	NA	85	NA	SC
63	Cheeravancha (64)	0	5896	0	792	0	530	0	262	0	514	0	16	0	44	0	234	NA	67	NA	Safe
64	Kandakuru (65)	0	7761	0	1013	0	715	0	298	0	692	0	23	0	56	0	265	NA	71	NA	SC
65	hinthakunta Bikkavagu (66)	0	9441	0	1184	0	857	0	327	0	823	0	34	0	73	0	288	NA	72	NA	SC
66	Kishanpuram Ganneruram (67)	0	9862	0	1165	0	825	0	340	0	790	0	35	0	81	0	294	NA	71	NA	SC
67	Yaswada (68)	0	3411	0	378	0	170	0	209	0	156	0	13	0	16	0	206	NA	45	NA	Safe
68	Vachunuru Mchedummeda Vagu (69)	0	8834	0	1133	0	897	0	236	0	865	0	32	0	69	0	199	NA	79	NA	SC
69	Bejjanki Mohedummeda Vagu (70)	0	10849	0	1376	0	1193	0	183	0	1154	0	39	0	93	0	129	NA	87	NA	SC

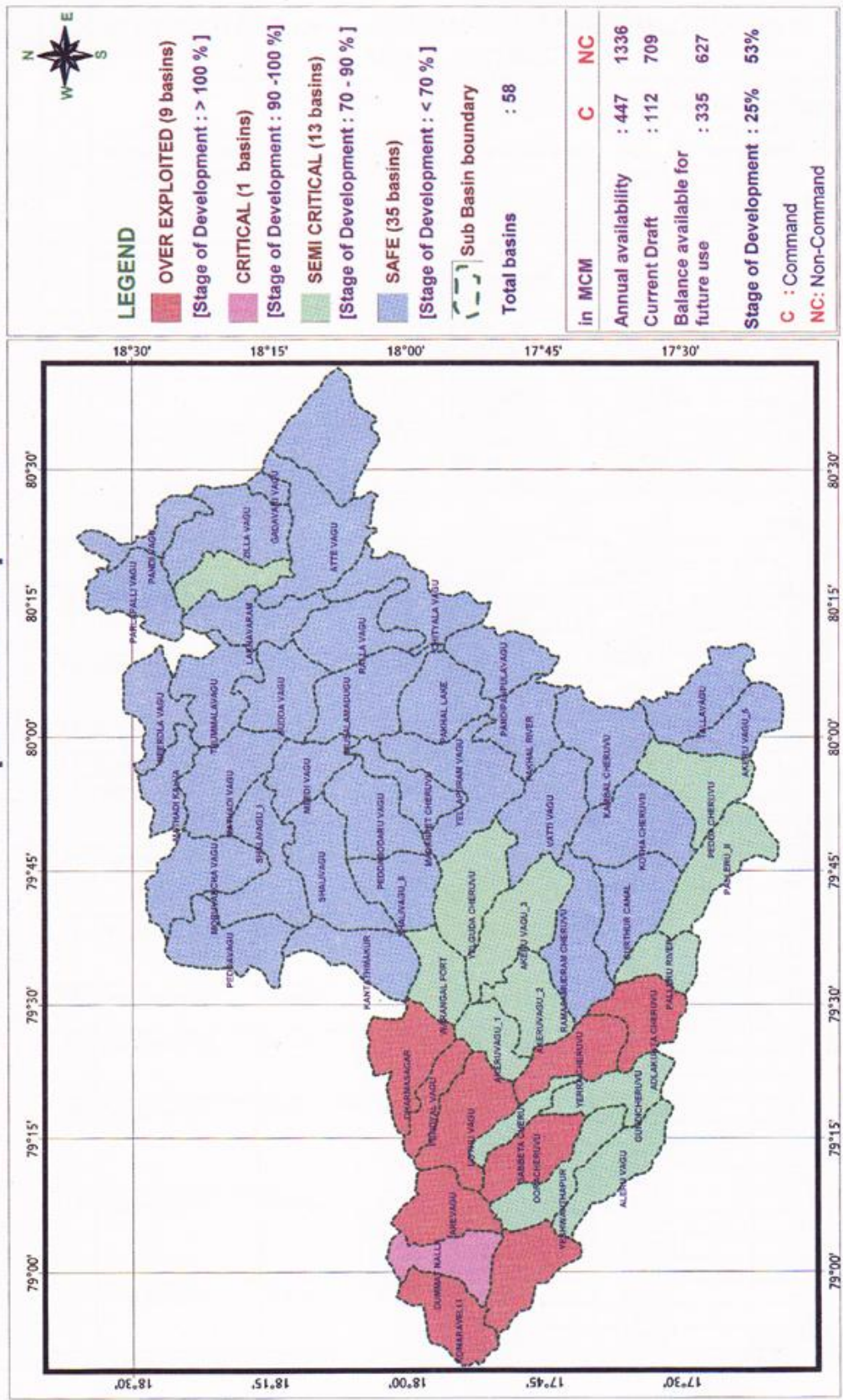
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
70	Guggilla Mohedummeda Vagu ( 71 )	0	3701	0	397	0	260	0	138	0	245	0	14	0	35	0	118	NA	65	NA	Safe
71	Koheda Peddavagu	0	12021	0	1389	0	1197	0	192	0	1158	0	39	0	91	0	139	NA	86	NA	SC
72	Husnabad Yellammagadda ( 73 )	0	31996	0	3921	0	4426	0	0	0	4278	0	147	0	360	0	0	NA	113	NA	OE
73	Nusthlapur Mohedummeda ( 74 )	0	5843	0	740	0	936	0	0	0	901	0	35	0	65	0	0	NA	127	NA	OE
74	Manakonur ( 75 )	0	5860	0	980	0	1106	0	0	0	1072	0	34	0	89	0	0	NA	113	NA	OE
75	Annaram_Mamidiipalli_Kondapaka ( 76 )	10784	5861	2753	717	944	517	1809	201	898	485	46	32	131	124	1723	108	34	72	Safe	SC
76	Jammikunta ( 77 )	16180	43585	3853	4290	1078	3525	2775	765	1014	3316	64	209	219	855	2620	119	28	82	Safe	SC
77	Illanthakunta Vavilala ( 78 )	9494	0	1599	0	741	0	858	0	698	0	43	0	113	0	788	0	46	0	Safe	NA
78	Vangara Yellareddipalli Salivagu ( 79 )	11024	12213	1538	1583	744	1322	794	261	699	1232	45	90	117	430	722	0	48	84	Safe	SC
79	Narsingapuram Kolha Uppal	5030	12744	1597	1365	435	1243	1162	122	410	1146	24	97	88	342	1098	0	27	91	Safe	Critical
80	Mulkatur_Neelavagu ( 81 )	6926	9149	1817	1093	541	823	1276	270	514	757	27	66	89	255	1215	82	30	75	Safe	SC
81	Dharmaram_Koihakonda_ ( 82 )	0	3314	0	419	0	583	0	0	0	568	0	15	0	41	0	0	NA	139	NA	OE
82	Shatrupalay_ ( 83 Part ) Buzunur Vavilala	0	435	0	43	0	20	0	23	0	17	0	3	0	12	0	14	NA	46	NA	Safe
83	( 84 Part )	1450	0	223	0	88	0	135	0	79	0	9	0	19	0	125	0	39	0	Safe	NA
84	Guniparthi Salivagu ( 85 Part )	671	302	165	43	48	51	117	0	44	47	4	4	10	11	111	0	29	118	Safe	OE
85	Gandikamaram ( 86 Part )	0	4149	0	502	0	90	0	412	0	83	0	7	0	9	0	410	NA	18	NA	Safe
District Total		301740	643599	94577	75877	18049	51237	76529	24640	16629	47984	1420	3253	3255	10264	74694	17623	19	68	Safe	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Total [C+NC]	945339		170455		69286		101169		64613		4673		13519		92323					
	ABSTRACT	OE = 5		Critical = 1		SC = 25		Safe = 54		Total Basins = 85											

Note: OE = Over exploited; SC = Semi-critical; C = command area, NC = non-command and NA = Not applicable; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)



# STATUS OF GROUNDWATER DEVELOPMENT - WARANGAL DISTRICT [ SUB - BASIN WISE ]







LOCATION DETAILS OF GROUNDWATER ASSESSMENT UNITS IN WARANGAL DISTRICT							
S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Komura velly	Godavari	212201	Cheriyal	28573	-	16198
				Bachannapet	19646	-	555
				Madduru	16838	-	366
2	Suddavagu	Godavari	212202	Venkatapur	24493	-	2292
				Govindaraopet	46458	-	22960
				Tadvai	48309	-	3
3	Vattivagu	Godavari	212203	Etunagaram	73377	-	16165
				Tadvai	48309	-	6586
4	Pailapalli vagu	Godavari	212204	Kothagudem	106045	-	11500
				Tadvai	48309	-	15000
5	Pandhi vagu	Godavari	212205	Kothagudem	106045	-	27566
6	Thimma puramvagu	Godavari	212206	Mangapet	60417	-	29000
7	Attavagu	Godavari	212207	Etunagaram	73377	-	16312
				Tadvai	48309	-	17409
8	Chityal vagu	Godavari	212208	Etunagaram	73377	-	12902
9	Rallavagu	Godavari	212209	Mangapet	60417	-	7068
				Etunagaram	73377	-	14680
10	Zillavagu	Godavari	212210	Mangapet	60417	-	23572
				Etunagaram	73377	-	485
				Tadvai	48309	-	5723
11	Palavagu	Godavari	212211	Bhupalpally	32760	-	10400
12	Nerelda vagu	Godavari	212212	Bhupalpally	32760	-	11600
13	Lakna waram	Godavari	212213	Govindaraopet	46458	-	22262
				Etunagaram	73377	-	2935
				Tadvai	48309	-	620
14	Dummat nala	Godavari	212214	Cheriyal	28573	-	8860
				Bachannapet	19646	-	2077
				Madduru	16838	-	6263
15	Are Vagu	Godavari	212215	Bachannapet	19646	-	1452
				Narmelta	23499	-	11530
				Madduru	16838	-	7018
16	Dharma sager	Godavari	212216	Dharmasagar	25989	-	11964
				Hasanparthy	15848	-	2036
				Shayampet	12107	-	5106
17	Warangal Fort	Godavari	212217	Dharmasagar	25989	-	1327
				Hanankonda	28987	-	7999
				Shayampet	12107	-	5106
18	Peddavagu	Krishna	214718	Cheriyal	28573	-	1101
				Bachannapet	19646	-	15514
				Narmelta	23499	-	328
				Jangaon	19254	-	1500
19	Yaswan tapur	Krishna	214719	Bachannapet	19646	-	41
				Jangaon	19254	-	7148
				LingalaGhanpur	18233	-	6846
				Devaruppula	22434	-	9465
20	Oora Cheroo	Krishna	214720	Narmelta	23499	-	3834
				Jangaon	19254	-	2442
				LingalaGhanpur	18233	-	1588

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
21	Gondi cheroo	Krishna	214721	Raghunathpally	25316	-	12036
				Kodakandla	19035	-	5091
				Palakurthy	25596	-	4439
				Devaruppula	22434	-	6918
				Raghunathpally	25316	-	4247
22	Gabbeta cheroo	Krishna	214722	Thorrur	22092	-	124
				Madduru	7620	-	1640
				Jangaon	2531	-	1318
				Raghunathpally	18051	-	9002
23	Aleru Vagu	Krishna	214723	Hasanparthy	580	-	386
				LingalaGhanpur	18233	-	10293
				Devaruppula	22434	-	5557
24	Lothu vagu	Krishna	214724	Raghunathpally	25316	-	31
				Narmetta	23499	-	5584
				Madduru	16838	-	383
				Wardhannapet	25202	-	6015
				Ghanpur (Station)	32864	-	14532
25	Yerro Cheroo	Krishna	214725	Thorrur	22092	-	456
				Ghanpur (Station)	32864	-	2176
				Narmetta	23499	-	2224
26	Andhikunta Cheroo	Krishna	214826	Palakurthy	25596	-	15580
				Kodakandla	19035	-	11178
				Ghanpur (Station)	32864	-	608
27	Palleru river	Krishna	214827	Kodakandla	19035	-	1900
				Thorrur	22092	-	8500
28	Pendyala vagu	Krishna	214928	Madduru	16838	-	561
				Dharmasagar	25989	-	6874
				Ghanpur (Station)	32864	-	5857
				Madduru	16838	-	748
29	Akeru vagu	Krishna	214929	Dharmasagar	25989	-	3866
				Zaffargadh	19257	-	4077
				Wardhannapet	25202	-	788
				Ghanpur (Station)	32864	-	2116
				Jangaon	19254	-	6846
30	Pakhal lake	Goavari	214930	Palakurthy	25596	-	306
				Kothagudem	106045	-	23000
31	Godavari	Godavari	212231	Kothagudem	106045	-	4224
				Mangapet	60417	-	775
32	Palleru	Krishna	214832	Thorrur	22092	-	7216
				Maripeda	29440	-	6702
				Narshimulapet	21144	-	7286
33	Meedivagu	Godavari	212233	Mulug	38770	-	13120
				Mulug Ghanapur	13700	-	167
				Bhupalpally	32760	-	2993
				Venkatapur	24493	-	940
34	Kantatamakur vagu	Godavari	212234	Govindaraopet	46458	-	1086
				Hasanparthy	15848	516	6016
				Atmakur	20078	1298	2102

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Hanamkonda	28987	182	5587
				Parkal	17912	2025	2974
35	Pedda vagu	Godavari	212235	Chityal	30042	1048	6146
				Mogullapally	12817	-	9570
				Parkal	17912	2638	2889
36	Moruva ncha vagu	Godavari	212236	Mulug Ghanapur	13700	0	2448
				Chityal	30042	721	3402
				Mogullapally	12817	-	2175
				Parkal	17912	2299	2764
				Regonda	27388	1916	9020
				Venkatapur	24493	-	4716
				Tadvai	48309	-	38
37	Salivagu I	Godavari	212237	Hanamkonda	28987	-	1856
				Chityal	30042	1869	7932
				Mogullapally	12817	-	749
				Bhupalpally	32760	-	2637
				Parkal	17912	583	1032
				Regonda	27388	1192	8212
				Venkatapur	24493	256	845
38	Salivagu project	Godavari	212238	Sangem	18526	213	2583
				Atmakur	20078	2762	3563
				Mulug	38770	344	4658
				Bhupalpally	32760	627	3497
				Parkal	17912	36	10
				Shayampet	12107	4095	8012
39	Salivagu II	Godavari	212239	Geesugonda	15570	765	7435
				Atmakur	20078	3885	3893
				Hanamkonda	28987	-	1186
				Nellikuduru	25188	57	579
40	Pedda bodaru vagu	Godavari	212240	Geesugonda	15570	8	3198
				Atmakur	20078	695	1879
				Nallabelli	19152	1875	8815
				Duggondi	11781	2468	6415
				Mulug	38770	4	25
41	Mathadi kalva	Godavari	212241	Mulug Ghanapur	13700	557	10528
				Venkatapur	24493	-	14511
42	Thummalavagu	Godavari	212242	Hanamkonda	28987	-	938
				Kothagudem	106045	-	2436
				Nekkonda	18123	2069	2675
				Nallabelli	19152	-	3399
				Narshimulapet	21144	-	2325
				Chityal	30041	2667	5954
				Tadvai	48309	-	940
43	Musala madugu vagu	Godavari	212243	Kothagudem	106045	-	14515
				Mulug	38770	95	12932
				Mogullapally	12817	-	317
				Bhupalpally	32760	-	705
44	Akeru vagu III	Krishna	214944	Zalfargadh	19257	-	1065
				Parwathagiri	15966	499	847
				Rayaparthi	21597	65	8405
				Wardhannapet	25202	831	17568
				Sangem	18526	-	633

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
45	Yelgudu cheruvu	Krishna	214945	Parwathagiri	15966	1454	1328
				Geesugonda	15570	-	2253
				Sangem	18526	1016	12876
				Hanamkonda	28987	-	778
				Chennaraopet	15452	631	886
				Nekkonda	18123	1268	3805
46	Vattivagu	Krishna	214946	Parwathagiri	15965	3941	2775
				Chennaraopet	15452	507	2242
				Kesamudram	21145	1996	5203
				Gudur	35624	239	329
				Nekkonda	18123	3381	4106
47	Yella puram vagu	Krishna	214947	Parwathagiri	15966	214	258
				Chennaraopet	15452	2122	3666
				Gudur	35624	744	5407
				Nekkonda	18123	11	40
				Nallabelli	19152	295	164
				Narsampet	11709	244	5387
				Khanapur	14325	5195	10237
				Duggondi	11781	17	949
48	Madanna pet	Krishna	214948	Chennaraopet	15452	2423	2975
				Narsampet	11709	1117	6782
				Nallabelli	19152	-	5215
				Narshimulapet	21144	-	616
				Duggondi	11781	384	1104
49	Pandipampula vagu	Krishna	214949	Gudur	35624	454	1342
				Kothagudem	106045	-	20336
50	Pakhal lake	Krishna	214950	Gudur	35624	451	23952
				Kothagudem	106045	-	2466
51	Kambala cheruvu	Krishna	214951	Kesamudram	21145	2005	5361
				Mahabubabad	28604	2640	15995
52	Thalla vagu	Krishna	214952	Dornakal	19469	2914	5449
				Mahabubabad	28604	111	486
				Korivi	24221	5794	6459
53	Akeru Vagu V	Krishna	214953	Dornakal	19469	3406	7026
				Korivi	24221	3381	1761
54	Pedda cheruvu	Krishna	214954	Mahabubabad	28603	747	407
				Korivi	24220	3008	3924
				Maripeda	29440	2965	15333
				Tadvai	48309	-	436
55	Kotha cheru	Godavari	212255	Kesamudram	21145	831	2552
				Mahabubabad	28604	2765	5397
				Korivi	24221	28	42
				Gudur	35624	3	197
				Nekkonda	18123	216	99
				Nellikuduru	25188	4351	9493
				Narshimulapet	21144	911	2170
Tadvai	48309	-	275				

S. No	Name of Assessment unit (Basin/mandal)	River basin*	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
56	Guthur Canal	Krishna	214956	Dornakal	19469	37	69
				Mahabubabad	28604	1	5
				Thorrur	22092	-	4730
				Gudur	35624	835	1741
				Maripeda	29440	14	4326
				Nellikuduru	25188	2564	5070
				Narshimulapet	21144	-	7308
57	Ramasamudram Cheruvu	Krishna	214957	Parwathagiri	15966	1050	2860
				Rayaparthi	25316	-	12904
				Dornakal	19469	37	28
				Kesamudram	21145	999	4399
				Mahabubabad	28604	24	27
				Thorrur	22092	-	1086
				Maripeda	29440	-	99
				Nellikuduru	25188	591	1162
58	Akeru vagu-l	Krishna	214958	Dharmasagar	25989	348	1957
				Zaffargadh	19257	-	6896
				Ghanpur (St.)	32864	2372	7575
				Parkal	17912	100	125

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
WARANGAL DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Komuravelly	0	15089	0	2365	0	2615	0	0	0	2508	0	107	0	143	0	0	NA	111	NA	OE
2	Suddavagu	0	25155	0	2646	0	169	0	2477	0	101	0	67	0	81	0	2463	NA	6	NA	Safe
3	Vattivagu	0	22410	0	2750	0	28	0	2722	0	22	0	6	0	7	0	2720	NA	1	NA	Safe
4	Pallapallivagu (Forest)	0	26500	0	2997	0	0	0	2997	0	0	0	0	0	0	0	2997	NA	0	NA	Safe
5	Pandhivagu	0	27383	0	2693	0	9	0	2684	0	0	0	9	0	13	0	2679	NA	0	NA	Safe
6	Thimmapuram vagu	0	27144	0	2882	0	332	0	2550	0	296	0	36	0	59	0	2527	NA	12	NA	Safe
7	Attavagu	0	33378	0	4006	0	150	0	3856	0	127	0	22	0	27	0	3852	NA	4	NA	Safe
8	Chityal vagu	0	12526	0	1675	0	89	0	1586	0	43	0	46	0	55	0	1577	NA	5	NA	Safe
9	Rallavagu	0	19716	0	2126	0	84	0	2042	0	76	0	8	0	38	0	2012	NA	4	NA	Safe
10	Zillavagu	0	28944	0	3046	0	110	0	2936	0	79	0	30	0	32	0	2934	NA	4	NA	Safe
11	Palavagu	0	10175	0	980	0	361	0	619	0	334	0	27	0	58	0	587	NA	37	NA	Safe
12	Nereida vagu	0	11101	0	1088	0	119	0	968	0	104	0	15	0	21	0	962	NA	11	NA	Safe
13	Laknawaram	0	25261	0	3482	0	231	0	3251	0	209	0	22	0	61	0	3212	NA	7	NA	Safe
14	Dummatnala	0	16009	0	2102	0	1910	0	192	0	1828	0	81	0	84	0	190	NA	91	NA	Critical

S. No	Name of the Basin	Area considered for recharge ha			Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual groundwater availability for future use ha.m			Current annual draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and Industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categori sation
		C	NC	C	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22								
15	Are Vagu	0	19127	0	2549	0	2805	0	0	0	2689	0	115	0	138	0	0	NA	110	NA	NA	OE							
16	Dharmasager	0	13718	0	1542	0	1672	0	0	0	1656	0	16	0	83	0	0	NA	108	NA	NA	OE							
17	Warangal Fort	0	14459	0	1600	0	1210	0	390	0	1145	0	65	0	92	0	363	NA	76	NA	NA	SC							
18	Peddavagu	0	17197	0	2572	0	2792	0	0	0	2763	0	29	0	118	0	0	NA	109	NA	NA	OE							
19	Yaswantapur	0	22944	0	3065	0	2664	0	401	0	2536	0	128	0	153	0	376	NA	87	NA	NA	SC							
20	Oora Cheroo	0	16904	0	2517	0	3214	0	0	0	3050	0	164	0	197	0	0	NA	128	NA	NA	OE							
21	Gondicheroo	0	20276	0	2929	0	2474	0	455	0	2137	0	337	0	404	0	387	NA	84	NA	NA	SC							
22	Gabbela cheroo	0	12075	0	1506	0	1078	0	428	0	975	0	103	0	123	0	407	NA	72	NA	NA	SC							
23	Aleru Vagu	0	14119	0	1784	0	1501	0	284	0	1423	0	78	0	105	0	256	NA	84	NA	NA	SC							
24	Lothu vagu	0	26222	0	3918	0	4121	0	0	0	3958	0	163	0	187	0	0	NA	105	NA	NA	OE							
25	Yerro Cheroo	0	19382	0	2915	0	3004	0	0	0	2861	0	123	0	128	0	0	NA	103	NA	NA	OE							
26	Andhikuntla Cheroo	0	16211	0	2653	0	3087	0	0	0	3013	0	74	0	106	0	0	NA	116	NA	NA	OE							
27	Palleru river	0	9905	0	1639	0	1351	0	289	0	1335	0	16	0	79	0	226	NA	82	NA	NA	SC							
28	Pendyala vagu	0	13797	0	2635	0	3599	0	0	0	3482	0	117	0	140	0	0	NA	137	NA	NA	OE							
29	Akeru vagu	0	16369	0	2074	0	1647	0	427	0	1534	0	113	0	119	0	421	NA	79	NA	NA	SC							
30	Pakhal lake	0	22961	0	2305	0	106	0	2199	0	106	0	0	0	3	0	2196	NA	5	NA	NA	Safe							
31	Godavari	0	4924	0	505	0	12	0	493	0	0	0	0	0	18	0	487	NA	2	NA	NA	Safe							



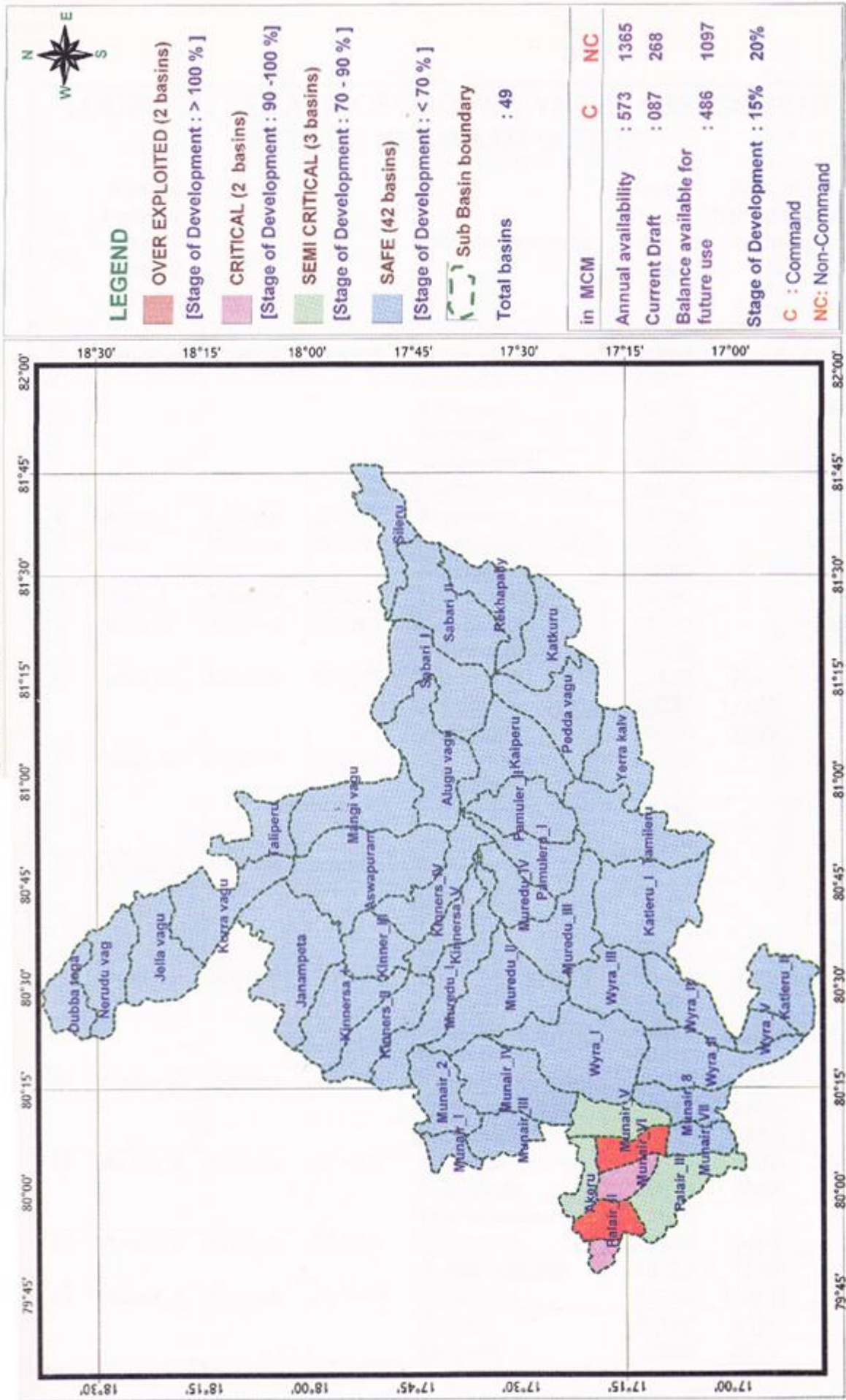
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
32	Palleru	0	21184	0	2029	0	1597	0	432	0	1496	0	101	0	161	0	372	NA	79	NA	SC
33	Meedivagu	0	18306	0	1755	0	32	0	1723	0	0	0	32	0	115	0	1640	NA	2	NA	Safe
34	Kantatamakur vagu	3729	16566	1484	1561	217	586	1266	974	217	492	0	94	46	360	1221	708	15	38	Safe	Safe
35	Pedda vagu	3523	18434	1572	2218	397	629	1176	1589	397	501	0	127	37	302	1139	1415	25	28	Safe	Safe
36	Moruvancha vagu	4530	24333	2165	2268	985	1140	1180	1128	985	954	0	186	47	527	1133	788	45	50	Safe	Safe
37	Saivagu I	3612	23091	1485	2367	331	693	1154	1674	331	592	0	101	27	219	1127	1555	22	29	Safe	Safe
38	Saivagu project	7566	22027	3697	2669	1227	1501	2471	1168	1227	1376	0	125	82	328	2389	965	33	56	Safe	Safe
39	Saivagu II	4559	13004	1990	1622	724	1081	1266	541	724	966	0	114	167	548	1099	107	36	67	Safe	Safe
40	Pedda bodaru vagu	4631	20330	1765	2261	64	752	1702	1508	64	671	0	82	55	98	1647	1492	4	33	Safe	Safe
41	Mathadi kalva	428	24942	175	3420	27	436	148	2984	27	359	0	77	3	263	145	2798	15	13	Safe	Safe
42	Thummalavagu	4539	18607	2182	2194	302	423	1890	1772	302	390	0	33	25	153	1856	1652	14	19	Safe	Safe
43	Musala madugu vagu	89	28464	38	2829	4	298	35	2532	4	228	0	70	0	107	34	2495	9	11	Safe	Safe
44	Akeru vagu III	1356	28506	394	3489	137	2612	257	877	137	2499	0	113	12	458	245	531	35	75	Safe	SC
45	Yeigudu cheruvu	4112	21801	1993	2244	340	1500	1653	744	340	1385	0	116	40	418	1612	441	17	67	Safe	SC
46	Vattivagu	9232	14249	3629	1583	936	1198	2693	384	936	1102	0	97	91	254	2602	227	26	76	Safe	SC
47	Yellapuram vagu	6031	24316	2752	2410	145	924	2607	1486	145	802	0	121	98	458	2509	1150	5	38	Safe	Safe
48	Madamapet	3766	16603	1760	1825	147	1125	1614	700	147	1023	0	102	48	399	1565	403	8	62	Safe	Safe

S. No	Name of the Basin	Area considered for recharge ha			Net annual groundwater availability ha.m			Current gross annual ground water draft for all uses ha.m			Annual groundwater availability for future use ha.m			Current annual draft for irrigation ha.m			Current draft for domestic and industrial needs ha.m			Demand for domestic and industrial needs at 2025 ha.m			Net annual groundwater availability for future irrigation use ha.m			Stage of development %			Categorisation			
		C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22											
49	Pandipampula vagu	429	21666	173	2173	14	249	159	1925	14	224	0	24	6	29	153	1921	8	11	Safe	Safe	Safe										
50	Pakhal lake	442	25411	199	2758	56	768	144	1990	56	697	0	71	3	182	141	1879	28	28	Safe	Safe	Safe										
51	Kambala cheruvu	4393	21188	2135	2415	307	1457	1828	958	307	1358	0	99	63	370	1764	688	14	60	Safe	Safe	Safe										
52	Thalla vagu	8343	12417	3967	1783	867	1199	3100	584	867	1139	0	60	91	344	3009	300	22	67	Safe	Safe	Safe										
53	Akeru Vagu V	5801	8136	2653	799	1546	345	1107	453	1546	290	0	55	130	205	977	303	58	43	Safe	Safe	Safe										
54	Peddacheruvu	6340	19908	2681	2166	1250	1923	1431	243	1250	1840	0	83	49	325	1382	1	47	89	Safe	Safe	SC										
55	Kotha cheru	8858	20094	3959	2319	865	1590	3094	728	865	1491	0	99	100	366	2994	462	22	69	Safe	Safe	Safe										
56	Guthur Canal Ramasamudram	3293	23168	1351	2181	174	1002	1177	1178	174	953	0	49	48	479	1129	749	13	46	Safe	Safe	Safe										
57	Cheruvu	2650	23074	360	1975	77	1238	283	737	77	508	0	731	30	877	253	591	21	63	Safe	Safe	Safe										
58	Akeru vagu-I	340	16257	149	2792	54	2068	95	724	54	1982	0	86	29	298	66	511	36	74	Safe	Safe	SC										
	District Total	102592	1128464	44711	133648	11193	70908	33518	62739	11193	65733	0	5175	1326	11516	32192	56398	25	53	Safe	Safe	Safe										
	Total [C+NC]	1231057	178359	82102	96257	76926	5175	12843	88590	Safe = 35	SC = 13	5175	12843	88590	Total Basins = 58																	
	ABSTRACT	OE = 9	Critical = 1	SC = 13	Safe = 35	Total Basins = 58																										

Note: OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command area; NA = Not applicable; Col.no.9 = Col.no.5 + Col.no.7; Col.no.17 = Col.no.5 + Col.no.11 + Col.no.15)



# STATUS OF GROUNDWATER DEVELOPMENT - KHAMMAM DISTRICT [ SUB - BASIN WISE ]





**LOCATION DETAILS OF GROUNDWATER ASSESSMENT  
UNITS OF KHAMMAM DISTRICT**

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Munair_3	Krishna	224904	Garla	21864	-	10102
				Yellandu	40404	-	8382
				Bayyaram	25700	-	3986
				Singareni	23540	-	10985
				Kammepally	18110	-	4155
				Khammam(Urban)	25278	-	422
2	Munair_1	Krishna	224902	Bayyaram	25700	-	7411
3	Akeru	Krishna	224901	Khammam(Rural)	22734	-	4622
				Tirumalaipalem	22690	-	5984
4	Palair_I	Krishna	224801	Tirumalaipalem	22690	-	4938
5	Palair_II	Krishna	224802	Kusumanchi	21560	-	6262
				Tirumalaipalem	22433	-	7776
6	Palair_III	Krishna	224803	Kusumanchi	22138	7990	4891
				Nellakondapally	18330	17260	-
				Mudigonda	18510	2802	-
7	Palair_IV	Krishna	224804	Kusumanchi	21560	-	2995
				Tirumalaipalem	22690	-	3352
				Khammam(Rural)	22734	-	3625
				Mudigonda	18510	-	1878
8	Munair_2	Krishna	224903	Bayyaram	35175	-	14312
				Garla	21864	-	11762
				Yellandu	34882	-	14050
				Gundala	144602	-	665
9	Munair_4	Krishna	224905	Khammam(Urban)	25278	-	869
				Yellandu	40404	-	2938
				Singareni	23540	-	8998
				Kammepally	18110	-	4790
10	Munair_5	Krishna	224906	Khammam(Urban)	25278	4937	5755
				Khammam(Rural)	20476	2509	557
				Chintakani	18110	2987	-
11	Munair_6	Krishna	224907	Khammam(Rural)	20476	6207	2956
				Mudigonda	18510	3352	-
				Tirumalaipalem	22690	-	377
12	Munair_7	Krishna	224908	Mudigonda	18435	10403	-
				Nellakondapally	18330	1073	-
13	Munair_8	Krishna	224909	Chintakani	16363	10061	-
				Bonakal	16172	2576	-
				Konijerla	23286	2677	-
14	Dubba togu	Godavari	222601	Wazedu	45655	-	15402

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
15	Nerudu vagu	Godavari	222602	Wazedu	45655	-	25189
16	Jella vagu	Godavari	222603	Wazedu	45655	-	5210
				Venkatapuram	57887	-	18995
17	Kurra Vagu	Godavari	222604	Venkatapuram	57887	-	38892
				Charla	54337	-	736
18	Taliperu	Godavari	222605	Charla	54337	-	33214
19	Mangi Vagu	Godavari	222606	Charla	54337	-	20387
				Dummugudem	43849	-	43849
				Bhadrachalam	37269	-	957
20	Alugu vagu	Godavari	222607	Bhadrachalam	37269	-	31755
				Chintoor	95529	-	8818
21	Sabari_I	Godavari	222608	Bhadrachalam	37269	-	4562
				Kunavaram	20382	-	20382
				Chintoor	95529	-	24029
22	Sabari_II	Godavari	222609	Chintoor	95529	-	27497
				V.R.Puram	47473	-	24979
23	Rekha pally	Godavari	222610	V.R.Puram	47473	-	22494
24	Sileru	Godavari	222611	Chintoor	95529	-	35185
25	Janam peta	Godavari	222612	Pinapaka	43620	-	39607
				Gundala	94740	-	8192
26	Aswa puram	Godavari	222613	Pinapaka	43620	-	4013
				Manuguru	23235	-	23235
				Aswapuram	27456	-	26956
				Gundala	94740	-	3181
				Burgampadu	33920	-	12392
27	Katkuru	Godavari	222614	Velairpadu	41544	-	30855
				Aswaraopeta	46199	-	1967
28	Pedda Vagu	Godavari	222615	Velairpadu	41544	-	10689
				Kukunoor	28681	-	8419
				Aswaraopeta	46199	-	17267
				Dammapeta	39168	-	717
29	Kaiperu	Godavari	222616	Kukunoor	28681	-	20262
				Aswaraopeta	46199	-	14940
				Burgampadu	27390	-	1194
				Dammapeta	39168	-	3155
30	Kinersani_1	Godavari	222617	Gundala	144602	-	59483
31	Kinersani_I	Godavari	222618	Gundala	144602	-	41065
				Tekulapally	40490	-	3889
				Kothagudam	50000	-	1133
32	Kinersani_II	Godavari	222619	Gundala	144602	-	23343
				Palvancha	35782	-	4087

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Kothagudam	50000	-	4918
33	Kinersani_I V	Godavari	222620	Palvancha	37582	-	15293
				Kothagudam	50000	-	2000
				Burgampadu	27390	-	6700
				Aswapuram	27456	-	500
34	Kinersani_V	Godavari	222621	Tekulapally	40865	-	1000
				Kothagudam	50000	-	13613
				Palvancha	37582	-	5015
35	Muredu_I	Godavari	222622	Gundala	144602	-	8667
				Yellandu	34882	-	2025
				Tekulapally	40865	-	19266
				Kothagudam	50000	-	5786
				Palvancha	35782	-	7049
36	Muredu_II	Godavari	222623	Yellandu	34882	-	4491
				Tekulapally	40865	-	16710
				Kammepally	21985	-	3784
				Julurpadu	23491	-	11843
				Kothagudam	50000	-	10987
37	Muredu_III	Godavari	222624	Kothagudam	50000	-	7461
				Mulkalapally	49829	-	8200
				Palvancha	37582	-	4338
				Burgampadu	27390	-	3404
38	Muredu_IV	Godavari	222625	Julurpadu	23491	-	4417
				Kothagudam	50000	-	4102
				Chandrugonda	31776	-	22735
39	Pamuleru_I	Godavari	222626	Chandrugonda	31776	-	5828
				Mulkalapally	49829	-	18868
40	Pamuleru_II	Godavari	222627	Mulkalapally	49829	-	22882
				Dammmapeta	44920	-	6053
				Burgampadu	27390	-	3700
41	Katleru_I	Krishna	224915	Penubally	27714	-	27714
				Kallur	26184	-	3012
				Chandrugonda	31776	-	3213
				Sathupally	26825	-	5267
				Vemsur	18443	-	11993
42	Katleru_II	Krishna	224916	Yerrupalem	26713	26713	-
				Madhira	21009	2290	-
43	Tamileru	Godavari	222628	Vemsur	18443	-	6450
				Sathupally	26802	-	21535
				Dammmapeta	39168	-	16082
44	Yerra Kalva	Godavari	222629	Dammmapeta	39168	-	13161
				Aswaraopeta	46199	-	12022
45	Wyra_I	Krishna	224910	Yellandu	34882	-	3000
				Singareni	27332	-	7274



S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Kammepally	21985	-	9257
				Enkur	18453	11209	609
				Julurpadu	23491	-	3000
				Khammam(Urban)	23606	11623	-
				Tallada	20693	3664	-
				Konijerla	23286	11970	-
46	Wyra_II	Krishna	224911	Wyra	14555	11420	-
				Konijerla	23286	8639	-
				Chintakani	16363	3315	-
				Bonakal	16172	13596	-
				Madhira	21009	4013	-
						-	-
47	Wyra_III	Krishna	224912	Julurpadu	23491	-	4231
				Enkur	18453	3792	2843
				Tallada	20693	9304	1929
				Kallur	26184	5384	1406
				Wyra	14555	2079	-
48	Wyra_IV	Krishna	224913	Kallur	26184	15717	665
				Tallada	20693	3895	1901
				Wyra	14555	871	-
49	Wyra_V	Krishna	224914	Madhira	21009	14706	-

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
KHAMMAM DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Akeru	0	10606	0	1379	0	1156	0	223	0	1092	0	64	0	83	0	203	NA	84	NA	SC
2	Alugu vagu	0	36921	0	3777	0	351	0	3426	0	295	0	55	0	107	0	3375	NA	9	NA	Safe
3	Aswapuram	0	53022	0	5912	0	567	0	5345	0	424	0	143	0	350	0	5138	NA	10	NA	Safe
4	Dubba togu	0	11016	0	1366	0	72	0	1294	0	54	0	18	0	39	0	1273	NA	5	NA	Safe
5	Janampeta	0	33277	0	5544	0	872	0	4672	0	825	0	47	0	150	0	4569	NA	16	NA	Safe
6	Jella vagu	0	19449	0	3125	0	80	0	3046	0	64	0	16	0	39	0	3022	NA	3	NA	Safe
7	Kaiperu	0	32441	0	4568	0	743	0	3825	0	665	0	78	0	104	0	3799	NA	16	NA	Safe
8	Kaikuru	0	18380	0	2588	0	80	0	2508	0	56	0	23	0	49	0	2482	NA	3	NA	Safe
9	Kalleru_I	0	48078	0	5822	0	1260	0	4563	0	1053	0	207	0	341	0	4428	NA	22	NA	Safe
10	Kalleru_II	26168	0	4958	0	569	0	4389	0	442	0	127	0	169	0	4346	0	11	0	Safe	NA
11	Kinersani_1	0	29322	0	3739	0	73	0	3665	0	56	0	18	0	47	0	3636	NA	2	NA	Safe
12	Kinersani_II	0	16270	0	2107	0	24	0	2083	0	11	0	13	0	34	0	2061	NA	1	NA	Safe
13	Kinersani_III	0	12716	0	1619	0	51	0	1568	0	37	0	14	0	17	0	1565	NA	3	NA	Safe
14	Kinersani_IV	0	21870	0	3294	0	416	0	2878	0	343	0	72	0	92	0	2858	NA	13	NA	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
15	Kinersani_V	0	16245	0	2255	0	296	0	1959	0	273	0	23	0	60	0	1922	NA	13	NA	Safe
16	Kurra Vagu	0	31306	0	4373	0	150	0	4223	0	113	0	38	0	103	0	4157	NA	3	NA	Safe
17	Mangi Vagu	0	58022	0	9620	0	360	0	9260	0	255	0	104	0	191	0	9173	NA	4	NA	Safe
18	Munair_1	0	5898	0	743	0	389	0	354	0	348	0	41	0	83	0	313	NA	52	NA	Safe
19	Munair_2	0	28903	0	3237	0	1220	0	2017	0	1065	0	155	0	231	0	1941	NA	38	NA	Safe
20	Munair_3	0	27177	0	2899	0	1531	0	1368	0	1452	0	79	0	175	0	1272	NA	53	NA	Safe
21	Munair_4	0	15139	0	1696	0	662	0	1035	0	604	0	57	0	118	0	974	NA	39	NA	Safe
22	Munair_5	10433	6312	1784	752	771	659	1013	93	720	626	51	33	209	219	856	0	43	88	Safe	SC
23	Munair_6	8761	2983	1568	412	727	516	841	0	683	500	44	16	114	72	771	0	46	125	Safe	OE
24	Munair_7	11476	0	3776	0	643	0	3133	0	528	0	115	0	126	0	3121	0	17	0	Safe	NA
25	Munair_8	15314	0	3338	0	704	0	2634	0	597	0	107	0	184	0	2557	0	21	0	Safe	NA
26	Muredu_I	0	39165	0	4825	0	403	0	4422	0	98	0	305	0	721	0	4007	NA	8	NA	Safe
27	Muredu_II	0	42836	0	6078	0	1306	0	4772	0	1157	0	150	0	390	0	4532	NA	21	NA	Safe
28	Muredu_III	0	21562	0	2512	0	291	0	2221	0	192	0	99	0	194	0	2126	NA	12	NA	Safe
29	Muredu_IV	0	31254	0	3954	0	716	0	3238	0	600	0	116	0	197	0	3157	NA	18	NA	Safe
30	Nerudu vagu	0	19782	0	3171	0	20	0	3151	0	10	0	10	0	16	0	3145	NA	1	NA	Safe
31	Palair_I	0	4938	0	859	0	805	0	54	0	765	0	40	0	42	0	52	NA	94	NA	Critical

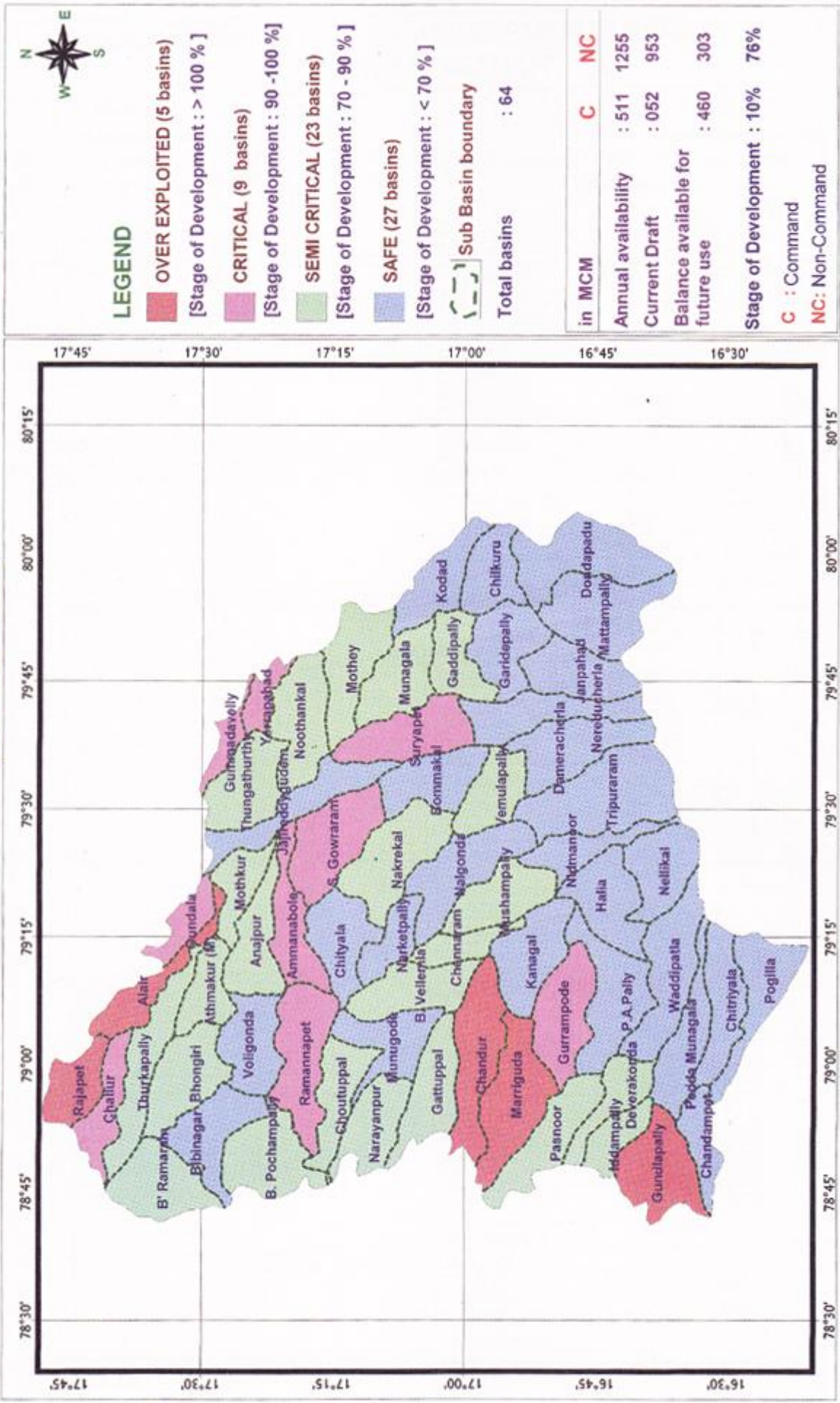
S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categorisation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	
32	Palair_II	0	14038	0	2134	0	2134	0	0	0	2050	0	84	0	106	0	0	0	NA	100	NA	OE
33	Palair_III	28058	4891	7940	597	1431	523	6509	73	1235	494	196	29	309	49	6397	54	18	88	88	Safe	SC
34	Palair_IV	0	11850	0	1700	0	1635	0	65	0	1564	0	71	0	114	0	0	23	NA	96	NA	Critical
35	Pamuleru_I	0	18481	0	2247	0	285	0	1963	0	233	0	52	0	78	0	0	1937	NA	13	NA	Safe
36	Pamuleru_II	0	25924	0	3033	0	298	0	2735	0	275	0	23	0	54	0	0	2704	NA	10	NA	Safe
37	Pedda Vagu	0	27042	0	3115	0	584	0	2531	0	495	0	89	0	116	0	0	2504	NA	19	NA	Safe
38	Rekhapally	0	11697	0	1834	0	37	0	1797	0	19	0	19	0	33	0	0	1783	NA	2	NA	Safe
39	Sabari_I	0	43586	0	6006	0	218	0	5788	0	144	0	74	0	126	0	0	5736	NA	4	NA	Safe
40	Sabari_II	0	34109	0	5154	0	136	0	5017	0	82	0	55	0	113	0	0	4959	NA	3	NA	Safe
41	Sileru	0	24630	0	3798	0	39	0	3759	0	17	0	22	0	39	0	0	3741	NA	1	NA	Safe
42	Taliperu	0	20261	0	2075	0	124	0	1951	0	122	0	2	0	34	0	0	1919	NA	6	NA	Safe
43	Tamileru	0	32953	0	5424	0	2231	0	3193	0	2030	0	201	0	362	0	0	3032	NA	41	NA	Safe
44	Wyra_I	36273	15883	6420	1922	1705	619	4715	1302	1596	540	109	79	254	175	4570	1207	27	32	32	Safe	Safe
45	Wyra_II	40983	0	6803	0	1229	0	5574	0	1066	0	164	0	451	0	5287	0	18	0	0	Safe	NA
46	Wyra_III	20559	8561	6065	1044	247	437	5818	608	103	402	144	34	185	111	5777	531	4	42	42	Safe	Safe
47	Wyra_IV	19399	2332	7236	250	233	33	7003	217	155	19	78	14	155	63	6925	168	3	13	13	Safe	Safe
48	Wyra_V	14202	0	7442	0	469	0	6673	0	369	0	99	0	156	0	6916	0	6	0	0	Safe	NA

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development (%)		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
49	Yerra Kalva	0	19333	0	3930	0	2382	0	1549	0	2260	0	122	0	149	0	1522	NA	61	NA	Safe
	District Total	233626	1010461	57330	136490	8727	26783	48603	109706	7494	23779	1233	3004	2311	5986	47525	106725	15	20	Safe	Safe
	Total (NC&C)	1244087		193820		35511		158309		31273		4238		8297		154250					
	ABSTRACT		OE = 2		Critical = 2		SC = 3		Safe=42		Total Basins = 49										

Note: OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command and NA = Not applicable; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

# STATUS OF GROUNDWATER DEVELOPMENT - NALGONDA DISTRICT

[ SUB - BASIN WISE ]





## LOCATION DETAILS OF ASSESSMENT UNITS IN NALGONDA DISTRICT

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
1	Thungathurthy	Paleru	234801	Thungathurthy	20695	-	11081
				Thirumalagiri	16888	-	4769
				Jajireddygudem	19460	-	7082
				Noothankal	20428	-	830
2	Gummadavelly	Paleru	234802	Thungathurthy	20695	-	9614
				Thirumalagiri	16888	-	5874
				Noothankal	20428	-	5081
3	Yerra pahad	Paleru	234803	Noothankal	20428	-	8002
4	Noothan kal	Paleru	234804	Noothankal	20428	-	6815
				Jajireddygudem	19460	-	5828
				Athmakur (S)	20865	-	12712
				Mothey	18139	-	605
				Suryapet	20756	-	1001
5	Mothey	Paleru	234805	Athmakur (S)	20865	-	8153
				Chivemla	14867	-	276
				Mothey	18139	-	14372
				Munagala	15864	-	1953
				Nadigudem	16243	-	5756
6	Kodad	Paleru	234806	Suryapet	20756	-	438
				Nadigudem	16243	-	8868
				Munagala	15864	-	1222
				Kodad	24253	-	15409
				Chilukur	11486	-	1016
7	Munagala	Krishna	234407	Chivemla	14867	-	9482
				Mothey	18139	-	3162
				Munagala	15864	-	9092
				Nadigudem	16243	-	1619
				Penpahad	18547	-	2411
8	Gaddi pally	Krishna	234408	Penpahad	18547	-	3619
				Garidepally	19053	-	4769
				Munagala	15864	-	3597
				Chilukur	11486	-	4033
9	Garide pally	Krishna	234409	Garidepally	19053	9270	-
				Chilukur	11486	1787	-
				Huzurnagar	11047	9154	-
10	Janpahad	Krishna	234410	Garidepally	19053	4727	-
				Nereducherla	26730	10865	-
				Huzurnagar	11047	247	-
				Mattampally	17666	4396	-
11	Chilkuru	Krishna	234411	Chilukur	11486	4650	-
				Kodad	24253	8844	-
				Huzurnagar	11047	1646	-
				Mellacheruvu	32395	5168	-
12	Donda padu	Krishna	234412	Mellacheruvu	32395	21595	-



nalgonda

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
13	Mattam pally	Krishna	234413	Mattampally	17666	13270	-
				Mellacheruvu	32395	5632	-
				Nereducherla	26730	228	-
14	Neredu cherla	Krishna	234414	Garidepally	19053	-	287
				Penpahad	18547	-	581
				Nereducherla	26730	-	15032
				Dameracherla	34990	-	889
15	Suryapet	Krishna	234415	Suryapet	20756	-	10316
				Chivemla	14867	-	5109
				Penpahad	18547	-	11936
				Nereducherla	26730	-	605
16	Chityala	Krishna	234416	Chityala	23768	-	3589
				Narketpally	24348	-	12447
				Kattangur	19025	-	7619
17	Nakrekal	Krishna	234417	Kattangur	19025	-	9945
				Nalgonda	32248	-	136
				Shali Gowraram	20541	-	320
				Nakrekal	14890	-	9542
				Kethepally	14865	-	1734
				Thipparthi	25480	-	8421
				Vemulapally	20868	-	1644
18	Bommakal	Krishna	234418	Kethepally	14865	-	5901
				Vemulapally	20868	-	11235
				Thipparthi	25480	-	253
				Miryalguda	24368	-	2173
19	Vemula pally	Krishna	234419	Thipparthi	25480	2443	-
				Vemulapally	20868	7989	-
				Tripuraram	18152	1379	-
				Miryalguda	24368	5567	-
20	Damera cherla	Krishna	234420	Miryalguda	24368	12103	-
				Dameracherla	34990	13280	-
21	Nalgonda	Krishna	234421	Nalgonda	32248	-	6083
				Thipparthi	25480	-	14363
				Tripuraram	18152	-	5815
				Nidmanoor	27112	-	2848
22	Tripuraram	Krishna	234422	Nidmanoor	27112	2520	-
				Tripuraram	18152	10495	-
				Miryalguda	24368	4525	-
				Dameracherla	34990	17914	-
23	Mushampally	Krishna	234423	Nalgonda	32248	-	5834
				Kanagal	23617	-	4579
				Anumula	32840	-	1654
				Nidmanoor	27112	-	10092
24	Nidmanoor	Krishna	234424	Nidmanoor	27112	11447	-
				Anumula	32840	466	-
				Dameracherla	34990	1856	-
				Tripuraram	18152	463	-

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
25	Halia	Krishna	234425	Anumula	32840	-	15918
				Nidmanoor	27112	-	205
				Peddavoora	43743	-	5328
26	Nellikal	Krishna	234426	Peddavoora	43743	-	13160
				Anumula	32840	-	2596
				Dameracherla	34990	-	1054
27	Pasnoor	Krishna	234427	Chinthapally	27309	-	20609
				Nampally	26997	-	5874
				Deverakonda	34883	-	530
28	Marriguda	Krishna	234428	Marriguda	22990	-	11514
				Chinthapally	27309	-	2109
				Nampally	26997	-	16234
				Chandur	20084	-	421
				Gurrampode	30737	-	2592
				P.A.Pally	31230	-	834
29	Gurrampode	Krishna	234429	Gurrampode	30737	-	13936
				Nampally	26997	-	3830
				P.A.Pally	31230	-	2823
				Peddavoora	43743	-	3116
30	P.A.Pally	Krishna	234430	P.A.Pally	31230	-	14175
				Peddavoora	43743	-	7864
				Anumula	32840	-	1105
				Gurrampode	30737	-	3853
				Nampally	26997	-	954
				Deverakonda	34883	-	1004
31	Kanagal	Krishna	234431	Kanagal	23617	-	5429
				Gurrampode	30737	-	10356
				Anumula	32840	-	10424
				Peddavoora	43743	-	1121
32	Chennaram	Krishna	234432	Nalgonda	32248	-	6003
				Kanagal	23617	-	4303
				Anumula	32840	-	677
33	Pedda Munagala	Krishna	234433	Deverakonda	34883	-	3709
				P.A.Pally	31230	-	2099
				Chandampet	48034	-	14485
				Peddavoora	43743	-	4574
34	Chitriyala	Krishna	234434	Chandampet	48034	-	14094
35	Pogilla	Krishna	234435	Chandampet	48034	-	13274
36	Waddipatla	Krishna	234436	P.A.Pally	31230	-	11299
				Peddavoora	43743	-	8580
				Deverakonda	34883	-	4548
37	Devera konda	Krishna	234437	Deverakonda	34883	-	9466
				Nampally	26997	-	105
				Chinthapally	27309	-	2278
38	Chandampet	Krishna	234438	Chandampet	48034	-	6066
				Gundlapally	26487	-	9121
39	Gundla pally	Krishna	234439	Gundlapally	26487	-	17366

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Chandampet	48034	-	115
				Deverakonda	34883	-	9497
40	Iddam pally	Krishna	234440	Deverakonda	34883	-	6129
				Chinthapally	27309	-	2313
41	Chandur	Krishna	234441	Chandur	20084	-	13353
				Munugode	22251	-	829
				Kanagal	23617	-	6855
				Marriguda	22990	-	9973
42	Gattuppal	Krishna	234442	Munugode	22251	-	6047
				Chandur	20084	-	6310
				Narayanpur	25583	-	8420
				Marriguda	22990	-	1503
43	B. Vellemla	Krishna	234443	Chityala	23768	-	4753
				Munugode	22251	-	4975
				Narketpally	24348	-	2411
				Nalgonda	32248	-	7349
				Kanagal	23617	-	2391
44	Narket pally	Krishna	234444	Narketpally	24348	-	5401
				Nalgonda	32248	-	6843
				Katangur	19025	-	1031
45	Narayan pur	Krishna	234445	Narayanpur	25583	-	15047
				Munugode	22251	-	222
				Choutuppal	26338	-	4121
46	Choutuppal	Krishna	234446	Choutuppal	26338	-	11993
				Chityala	23768	-	6855
				B. Pochampally	18399	-	305
				Munugode	22251	-	554
47	Munu gode	Krishna	234447	Munugode	22251	-	9624
				Narayanpur	25583	-	2116
				Chityala	23768	-	7012
48	B. Pocham pally	Musi	234748	Bibinagar	16640	-	7800
				B. Pochampally	18399	-	16521
				Choutuppal	26338	-	741
49	Bibinagar	Musi	234749	Bibinagar	16640	-	6974
				B. Ramaram	16751	-	698
				Bhongiri	24913	-	10325
50	B' Ramaram	Musi	234750	Bibinagar	16640	-	1866
				B. Ramaram	16751	-	16053
				M. Thurkapally	19176	-	4286
51	Rama nnapet	Musi	234751	B. Pochampally	18399	-	1573
				Ramannapet	21148	-	11960
				Chityala	23768	-	836
				Choutuppal	26338	-	9483
				Voligonda	29267	-	5844
52	Voligonda	Musi	234752	Voligonda	29267	-	19167
				Bhongiri	24913	-	645
53	Ammanabole	Musi	234753	Ramannapet	21148	-	9188

S. No	Name of Assessment unit (Basin/mandal)	River basin	Index Number	Mandals covered	Total Area of the mandal ha	Area of the mandal covered in the basin ha	
						C	NC
1	2	3	4	5	6	7	8
				Chityala	23768	-	723
				Narketpally	24348	-	4089
				Shali Gowraram	20541	-	7502
54	Anajpur	Musi	234754	Mothkur	28691	-	9830
				Athmakur (M)	23431	-	6509
				Voligonda	29267	-	2080
55	Bhongiri	Musi	234755	Bhongiri	24913	-	13943
				Yadagirigutta	22692	-	4755
				Athmakur (M)	23431	-	2349
				Voligonda	29267	-	1501
				M. Thurkapally	19176	-	777
56	Athmakur (M)	Musi	234756	Athmakur (M)	23431	-	12925
				Yadagirigutta	22692	-	1283
				Mothkur	28691	-	1019
				Voligonda	29267	-	675
57	Thurkapally	Musi	234757	M. Thurkapally	19176	-	6524
				Yadagirigutta	22692	-	11225
				Alair	19791	-	3672
				Athmakur (M)	23431	-	1648
				Gundala	20430	-	3166
58	Mothkur	Musi	234758	Mothkur	28691	-	17842
59	Alair	Musi	234759	Alair	19791	-	11989
60	Rajapet	Musi	234760	Rajapet	19676	-	17527
				M. Thurkapally	19176	-	626
				Yadagirigutta	22692	-	453
				Alair	19791	-	2953
61	Challur	Musi	234761	M. Thurkapally	19176	-	6963
				Rajapet	19676	-	2149
				Yadagirigutta	22692	-	4976
				Alair	19791	-	1177
62	Gundala	Musi	234762	Gundala	20430	-	17264
63	S. Gowra ram	Musi	234763	Shali Gowraram	20541	-	12719
				Nakrekal	14890	-	5348
				Kethepally	14865	-	7230
				Kattangur	19025	-	430
64	Jajireddygudem	Musi	234764	Jajireddygudem	19460	-	6550
				Suryapet	20756	-	9001
				Thirumalagiri	16888	-	6245

**BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
NALGONDA DISTRICT**

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Thungathurthy	0	23762	0	3282	0	2716	0	566	0	2642	0	74	0	191	0	448	NA	83	NA	SC
2	Gummadavelly	0	20569	0	3071	0	2750	0	321	0	2662	0	88	0	173	0	236	NA	90	NA	Critical
3	Yerrapahad	0	8002	0	1125	0	1055	0	70	0	1023	0	32	0	83	0	18	NA	94	NA	Critical
4	Noothankal	0	26961	0	3451	0	2440	0	1011	0	2364	0	75	0	235	0	852	NA	71	NA	SC
5	Mothey	0	30948	0	4218	0	3389	0	829	0	3311	0	77	0	238	0	668	NA	80	NA	SC
6	Kodad	0	26515	0	3047	0	1135	0	1912	0	992	0	143	0	350	0	1705	NA	37	NA	Safe
7	Munagala	0	25766	0	2798	0	2461	0	338	0	2383	0	77	0	196	0	219	NA	88	NA	SC
8	Gaddipally	0	16018	0	1780	0	1291	0	489	0	1217	0	74	0	141	0	421	NA	73	NA	SC
9	Garidepally	20211	0	2688	0	647	0	2041	0	546	0	101	0	263	0	1880	0	24	NA	Safe	NA
10	Janpahad	20235	0	7750	0	1153	0	6597	0	890	0	263	0	316	0	6544	0	15	NA	Safe	NA
11	Chilkuru	20308	0	8022	0	467	0	7555	0	386	0	81	0	264	0	7372	0	6	NA	Safe	NA
12	Dondapadu	21595	0	3110	0	259	0	2851	0	238	0	22	0	130	0	2743	0	8	NA	Safe	NA
13	Mattampally	19130	0	5586	0	593	0	4993	0	517	0	77	0	92	0	4978	0	11	NA	Safe	NA
14	Nereducheria	0	16789	0	1387	0	865	0	522	0	594	0	270	0	324	0	468	NA	62	NA	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
15	Suryapet	0	27966	0	2732	0	2626	0	106	0	2517	0	109	0	422	0	0	NA	96	NA	Critical
16	Chityala		23455	0	3213	0	1995	0	1218	0	1899	0	96	0	178	0	1136	NA	62	NA	Safe
17	Nakrekal	0	31742	0	3790	0	3104	0	686	0	2898	0	206	0	273	0	619	NA	82	NA	SC
18	Bommakal	0	19562	0	2608	0	1524	0	1084	0	1457	0	67	0	143	0	1007	NA	58	NA	Safe
19	Vemulapally	10199	7179	5800	650	646	556	5154	94	592	524	54	32	65	49	5143	77	11	86	Safe	sc
20	Dameracherla	20057	5326	11395	429	767	258	10628	171	670	241	97	17	325	46	10400	142	7	60	Safe	safe
21	Nalgonda	0	29109	0	3217	0	1586	0	1630	0	1479	0	108	0	236	0	1502	NA	49	NA	Safe
22	Tripuraram	35454	0	3014	0	106	0	2907	0	71	0	35	0	284	0	2659	0	4	NA	Safe	NA
23	Mushampally	0	22159	0	3022	0	2641	0	381	0	2575	0	66	0	144	0	304	NA	87	NA	SC
24	Nidmanoor	14232	0	3771	0	541	0	3231	0	427	0	114	0	137	0	3208	0	14	NA	Safe	NA
25	Halia	0	21451	0	1905	0	789	0	1115	0	744	0	45	0	54	0	1106	NA	41	NA	Safe
26	Neilikal	0	16810	0	1383	0	230	0	1153	0	217	0	13	0	87	0	1079	NA	17	NA	Safe
27	Pasnoor	0	27013	0	1934	0	1623	0	311	0	1142	0	482	0	578	0	214	NA	84	NA	SC
28	Marriguda	0	32275	0	2698	0	2718	0	0	0	2610	0	108	0	198	0	0	NA	101	NA	OE
29	Gurrampode	0	23705	0	1847	0	1771	0	76	0	1704	0	66	0	80	0	63	NA	96	NA	Critical
30	P. A. Pally	0	28955	0	3495	0	1992	0	1503	0	1891	0	101	0	217	0	1387	NA	57	NA	Safe

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and Industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categorisation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
31	Kanagal	0	27330	0	2353	0	1345	0	1008	0	1320	0	25	0	27	0	1006	NA	57	NA	Safe
32	Chennaram	0	10983	0	1133	0	791	0	343	0	762	0	29	0	30	0	342	NA	70	NA	SC
33	Pedda Munagala	0	24867	0	2149	0	1114	0	1034	0	1069	0	45	0	127	0	952	NA	52	NA	Safe
34	Chitriyala	0	14094	0	856	0	211	0	644	0	193	0	18	0	22	0	640	NA	25	NA	Safe
35	Pogilla	0	13274	0	803	0	170	0	633	0	149	0	21	0	36	0	619	NA	21	NA	Safe
36	Waddipatla	0	23823	0	1736	0	1083	0	653	0	1033	0	50	0	117	0	586	NA	62	NA	Safe
37	Deverakonda	0	11849	0	770	0	558	0	212	0	486	0	72	0	114	0	171	NA	72	NA	SC
38	Chandampet	0	15187	0	1122	0	735	0	387	0	688	0	47	0	93	0	342	NA	65	NA	Safe
39	Gundlapally	0	26978	0	2258	0	2447	0	0	0	2336	0	111	0	194	0	0	NA	108	NA	OE
40	Iddampally	0	8442	0	632	0	541	0	91	0	514	0	27	0	45	0	73	NA	86	NA	SC
41	Chandur	0	31010	0	2685	0	2899	0	0	0	2766	0	133	0	226	0	0	NA	108	NA	OE
42	Gattuppal	0	22280	0	1823	0	1464	0	359	0	1350	0	114	0	156	0	316	NA	80	NA	SC
43	B. Vellemla	0	21879	0	2868	0	2175	0	694	0	2100	0	74	0	144	0	624	NA	76	NA	SC
44	Narketpally	0	13275	0	1568	0	726	0	842	0	696	0	31	0	78	0	794	NA	46	NA	Safe
45	Narayanpur	0	19390	0	1033	0	714	0	320	0	636	0	78	0	105	0	293	NA	70	NA	SC
46	Choutuppal	0	19707	0	1888	0	1537	0	351	0	1417	0	120	0	146	0	325	NA	81	NA	SC

S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation	
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
47	Munugode	0	18752	0	2072	0	1249	0	823	0	1168	0	81	0	116	0	788	NA	60	NA	Safe
48	B. Pochampally	0	25062	0	2341	0	1902	0	439	0	1741	0	161	0	206	0	394	NA	81	NA	SC
49	Bibinagar	0	17997	0	2320	0	1542	0	777	0	1433	0	109	0	266	0	620	NA	66	NA	Safe
50	B' Ramaram	0	22205	0	2916	0	2127	0	788	0	2003	0	124	0	167	0	746	NA	73	NA	SC
51	Ramannapet	0	29696	0	2768	0	2471	0	297	0	2319	0	151	0	182	0	267	NA	90	NA	Critical
52	Volligonda	0	19812	0	2395	0	1341	0	1054	0	1282	0	59	0	119	0	995	NA	56	NA	Safe
53	Ammanabole	0	21502	0	2129	0	1963	0	166	0	1907	0	56	0	97	0	125	NA	92	NA	Critical
54	Anajpur	0	18419	0	2461	0	2116	0	344	0	2035	0	81	0	111	0	315	NA	86	NA	SC
55	Bhongiri	0	23325	0	2874	0	2204	0	669	0	2118	0	86	0	191	0	564	NA	77	NA	SC
56	Athmakur (M)	0	15902	0	1899	0	1420	0	479	0	1356	0	64	0	91	0	452	NA	75	NA	SC
57	Thurkapally	0	26235	0	3285	0	2854	0	430	0	2671	0	184	0	220	0	394	NA	87	NA	SC
58	Mothkur	0	17842	0	2450	0	1911	0	539	0	1823	0	87	0	118	0	508	NA	78	NA	SC
59	Alair	0	11989	0	1626	0	1987	0	0	0	1954	0	32	0	71	0	0	NA	122	NA	OE
60	Rajapet	0	21559	0	1882	0	2408	0	0	0	2352	0	56	0	147	0	0	NA	128	NA	OE
61	Challur	0	15265	0	1513	0	1417	0	96	0	1365	0	52	0	119	0	29	NA	94	NA	Critical
62	Gundala	0	17264	0	2410	0	2148	0	262	0	2115	0	33	0	110	0	185	NA	89	NA	Critical



S. No	Name of the Basin	Area considered for recharge ha		Net annual groundwater availability ha.m		Current gross annual ground water draft for all uses ha.m		Annual groundwater availability for future use ha.m		Current annual draft for irrigation ha.m		Current draft for domestic and industrial needs ha.m		Demand for domestic and industrial needs at 2025 ha.m		Net annual groundwater availability for future irrigation use ha.m		Stage of development %		Categori sation		
		C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC	C	NC			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
63	S. Gowraram	0	25727	0	2467	0	2243	0	224	0	2117	0	126	0	201	0	149	NA	91	NA	Critical	
64	Jajireddygudem	0	21796	0	2982	0	1942	0	1040	0	1896	0	46	0	170	0	915	NA	65	NA	Safe	
DISTRICT TOTAL		181421	1186754	51135	125546	5180	95272	45956	30273	4336	90261	844	5011	1874	8996	44926	26288	10	76	Safe	SC	
Total [C+NC]		1368175		176681		100452		76229		94597		5855		10870		71214						
Abstract		OE = 5		Critical = 9		SC = 23		Safe = 27		Total Basins = 64												

Note: OE = Over exploited; SC = Semi-critical; C = command area; NC = non-command and NA = Not applicable; Col.no.9 = Col.no.5 - Col.no.7; Col.no.17 = Col.no.5 - (Col.no.11 + Col.no.15)

## DISTRICT WISE GROUND WATER POTENTIAL ASSESSMENT REPORT OF COASTAL ANDHRA REGION

S.No	DISTRICT	Area considered for recharge Sq.Km		Net annual groundwater availability MCM		Current gross annual ground water draft for all uses MCM		Annual groundwater availability for future use MCM		Current draft for irrigation MCM		Current draft for domestic and industrial needs MCM		Demand for domestic and industrial needs at 2025 MCM		Net annual groundwater availability for future irrigation use MCM		Stage of development %	
		Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command
1	SRIKAKULAM	866	4608	224	658	34	154	191	504	27	127	7	27	18	84	180	448	15	23
2	VIZIANAGARAM	1045	4444	288	626	43	190	245	436	34	155	9	35	14	91	240	380	15	30
3	VISAKHAPATNAM	337	3884	114	322	14	104	100	218	11	52	3	52	7	182	96	88	12	32
4	EAST GODAVARI	2931	2859	1049	380	159	153	891	227	128	140	31	13	92	66	830	174	15	40
5	WEST GODAVARI	1143	4038	411	693	22	796	390	0	19	782	2	14	23	48	369	0	5	115
6	KRISHNA	2064	3890	637	561	113	196	525	365	97	173	16	23	49	82	492	306	18	43
7	GUNTUR	5239	5281	2581	354	160	106	2422	248	77	96	83	10	151	63	2353	195	6	30
8	PRAKASHAM	3954	9942	1075	755	64	411	1011	343	51	395	12	16	43	71	981	289	6	54
9	NELLORE	3160	9357	1021	1035	339	510	682	524	321	473	18	38	43	64	657	498	33	49
	<b>ANDHRA REGION</b>	<b>20740</b>	<b>48303</b>	<b>7401</b>	<b>5383</b>	<b>945</b>	<b>2621</b>	<b>6455</b>	<b>2763</b>	<b>764</b>	<b>2393</b>	<b>182</b>	<b>228</b>	<b>439</b>	<b>751</b>	<b>6198</b>	<b>2240</b>	<b>13</b>	<b>49</b>

## DISTRICT WISE GROUND WATER POTENTIAL ASSESSMENT REPORT OF RAYALSEEMA REGION

S.No.	DISTRICT	Area considered for recharge Sq.Km		Net annual groundwater availability MCM		Current gross annual ground water draft for all uses MCM		Annual groundwater availability for future use MCM		Current draft for irrigation MCM		Current draft for domestic and industrial needs MCM		Demand for domestic and industrial needs at 2025 MCM		Net annual groundwater availability for future irrigation use MCM		Stage of development %	
		Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command
1	CHITTOOR	0	14741	0	1497	0	1402	0	95	0	1326	0	76	0	123	0	48	NA	94
2	CUDDAPAH	556	10017	131	714	46	568	85	146	41	535	5	34	7	75	83	104	35	80
3	ANANTHAPIUR	503	16237	216	1083	29	697	187	387	28	654	1	43	4	134	184	296	13	64
4	KURNOOL	3323	12850	482	824	64	294	418	531	58	273	6	20	23	83	401	468	13	36
	RAYALASEEMA REGION	4382	53845	829	4119	139	2960	690	1158	126	2788	12	173	34	415	669	916	17	72

## DISTRICT WISE GROUND WATER POTENTIAL ASSESSMENT REPORT OF TELANGANA REGION

S.No.	DISTRICT	Area considered for recharge Sq.Km		Net annual groundwater availability MCM		Current gross annual ground water draft for all uses MCM		Annual groundwater availability for future use MCM		Current draft for irrigation MCM		Current draft for domestic and industrial needs MCM		Demand for domestic and industrial needs at 2025 MCM		Net annual groundwater availability for future irrigation use MCM		Stage of development %	
		Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command	Command	Non-command
1	MAHBOBNAGAR	391	15915	55	1196	11	717	44	478	9	668	2	49	2	101	44	426	19	60
2	RANGAREDDY & HYDERABAD	0	5904	0	643	0	518	0	125	0	425	0	92	0	131	0	86	NA	81
3	MEDAK	0	9089	0	1116	0	797	0	319	0	745	0	52	0	88	0	283	NA	71
4	NIZAMABAD	934	6530	331	877	173	825	158	52	165	807	8	18	23	48	143	22	52	94
5	ADILABAD	446	12317	156	1263	50	343	106	920	47	310	3	33	5	79	105	874	32	27
6	KARIMNAGAR	3017	6436	946	759	180	512	765	246	166	480	14	33	33	103	747	176	19	68
7	WARANGAL	1026	11285	447	1336	112	709	335	627	112	657	0	52	13	115	322	564	25	53
8	KHAMMAM	2336	10105	573	1365	87	268	486	1097	75	238	12	30	23	60	475	1067	15	20
9	NALGONDA	1814	11868	511	1255	52	953	460	303	43	903	8	50	19	90	449	263	10	76
	TELANGANA REGION	9965	89447	3020	9810	665	5642	2355	4168	617	5233	48	409	118	816	2286	3762	22	58
	ANDHRA PRADESH	35087	191595	11250	19313	1749	11223	9501	8089	1507	10414	242	809	591	1981	9152	6918	16	58
	ANDHRA PRADESH	Values in TMC		397	682	62	396	336	286	53	368	9	29	21	70	323	244		
	Total of Command and Non-command	226682		30562		12972		17590		11921		1052		2572		16069		42	
	Values in TMC			1079		458		621		421		37		91		568			

**CATEGORISATION OF NON-COMMAND AREAS IN THE STATE BASED ON STAGE OF DEVELOPMENT AND WATER TABLE TREND**

S.No	District	No. of Groundwater Basins	Area in Sq. km	Over-Exploited		Critical		Semi-Critical		Safe	
				Number	Area in Sq.km	Number	Area in Sq.km	Number	Area in Sq.km	Number	Area in Sq.km
1	SRIKAKULAM	14	4608	0	0	0	0	0	0	14	4608
2	VIZIANAGARAM	28	4444	0	0	2	158	2	366	24	3920
3	VISAKHAPATNAM	51	3884	1	11	3	405	0	0	47	3467
4	EAST GODAVARI	20	2859	0	0	0	0	4	461	16	2397
5	WEST GODAVARI	14	4038	8	2357	3	606	3	1075	0	0
6	KRISHNA	24	3890	0	0	0	0	0	0	24	3890
7	GUNTUR	52	5281	0	0	0	0	3	528	49	4753
8	PRAKASHAM	54	9942	6	709	3	333	6	1450	39	7449
9	NELLORE	50	9357	1	47	1	175	11	2103	37	7031
10	CHITTOOR	66	14741	23	4967	8	1737	13	3077	22	4960
11	CUDDAPAH	81	10017	15	1929	22	2494	15	1948	29	3646
12	ANANTHAPUR	90	16237	13	2576	4	856	17	2725	56	10079
13	KURNOOL	77	12850	1	112	4	530	5	847	67	11361
14	MAHBOOBNAGAR	49	15915	3	761	1	400	10	3433	35	11321
	RANGAREDDY & HYDERABAD	34	5904	9	1537	5	1029	5	874	15	2464
15	HYDERABAD	41	9089	2	407	5	876	11	2778	23	5028
16	MEDAK	46	6530	15	1945	5	1617	16	1736	10	1232
17	NIZAMABAD	37	12317	0	0	0	0	2	421	35	11895
18	ADILABAD	82	6436	5	483	1	127	25	3144	51	2681
19	KARIMNAGAR	58	11285	9	1576	1	160	13	2321	35	7228
20	WARANGAL	44	10105	2	170	2	168	3	218	37	9548
21	KHAMMAM	57	11868	5	1238	9	1897	23	4751	20	3982
22	NALGONDA										
	<b>ANDHRA PRADESH</b>	<b>1069</b>	<b>191595</b>	<b>118</b>	<b>20827</b>	<b>79</b>	<b>13569</b>	<b>187</b>	<b>34256</b>	<b>685</b>	<b>122943</b>

**CATEGORISATION OF COMMAND AREAS IN THE STATE BASED ON  
STAGE OF DEVELOPMENT AND WATER TABLE TREND**

S.No	District	No.of Ground water Basins	Area in Sq. km	Over-Exploited		Critical		Semi-Critical		Safe	
				Number	Area in Sq.km	Number	Area in Sq.km	Number	Area in Sq.km	Number	Area in Sq.km
1	SRIKAKULAM	9	866	0	0	0	0	0	0	9	866
2	VIZIANAGARAM	22	1045	0	0	0	0	0	0	22	1045
3	VISAKHAPATNAM	12	337	0	0	0	0	0	0	12	337
4	EAST GODAVARI	31	2931	0	0	0	0	0	0	31	2931
5	WEST GODAVARI	11	1143	0	0	0	0	0	0	11	1143
6	KRISHNA	32	2064	0	0	0	0	0	0	32	2064
7	GUNTUR	57	5239	0	0	0	0	1	80	56	5159
8	PRAKASHAM	32	3954	0	0	0	0	0	0	32	3954
9	NELLORE	20	3160	0	0	0	0	2	271	18	2889
10	CHITTOOR	0	0	0	0	0	0	0	0	0	0
11	CUDDAPAH	7	556	0	0	0	0	0	0	7	556
12	ANANTHAPUR	26	503	1	21	0	0	0	0	25	482
13	KURNOOL	37	3323	0	0	0	0	0	0	37	3323
14	MAHBOOBNAGAR	2	391	0	0	0	0	0	0	2	391
15	RANGAREDDY & HYDERABAD	0	0	0	0	0	0	0	0	0	0
16	MEDAK	0	0	0	0	0	0	0	0	0	0
17	NIZAMABAD	11	934	0	0	0	0	1	89	10	845
18	ADILABAD	9	446	0	0	0	0	0	0	9	446
19	KARIMNAGAR	36	3017	0	0	0	0	1	37	35	2981
20	WARANGAL	25	1026	0	0	0	0	0	0	25	1026
21	KHAMMAM	11	2336	0	0	0	0	0	0	11	2336
22	NALGONDA	9	1814	0	0	0	0	0	0	9	1814
	<b>ANDHRA PRADESH</b>	<b>399</b>	<b>35087</b>	<b>1</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>476</b>	<b>393</b>	<b>34590</b>

**CATEGORISATION OF COMMAND AND NON-COMMAND AREAS IN THE STATE BASED ON STAGE OF DEVELOPMENT AND WATER TABLE TREND**

S.No	District	No. of Groundwater Basins	Area in Sq. km	Over-exploited		Critical		Semi-Critical		Safe	
				Number	Area in Sq.km	Number	Area in Sq.km	Number	Area in Sq.km	Number	Area in Sq.km
1	SRIKAKULAM	14	5474	0	0	0	0	0	0	14	5474
2	VIZIANAGARAM	28	5489	0	0	2	158	2	366	24	4965
3	VISAKHAPATNAM	51	4221	1	11	3	405	0	0	47	3805
4	EAST GODAVARI	42	5790	0	0	0	0	4	461	38	5328
5	WEST GODAVARI	19	5182	8	2357	3	606	3	1075	5	1143
6	KRISHNA	38	5955	0	0	0	0	0	0	38	5955
7	GUNTUR	62	10521	0	0	0	0	3	608	59	9913
8	PRAKASHAM	71	13895	6	709	3	333	6	1450	56	11403
9	NELLORE	53	12517	1	47	1	175	11	2375	40	9921
10	CHITTOOR	66	14741	23	4967	8	1737	14	3077	21	4960
11	CUDDAPAH	81	10574	15	1929	22	2494	15	1948	29	4203
12	ANANTHAPUR	90	16740	13	2597	4	856	17	2725	56	10561
13	KURNOOL	79	16173	1	112	4	530	5	847	69	14685
14	MAHBOOBNAGAR	49	16306	3	761	1	400	10	3433	35	11712
15	RANGAREDDY & HYDERABAD	34	5904	9	1537	5	1029	5	874	15	2464
16	MEDAK	41	9089	2	407	5	876	11	2778	23	5028
17	NIZAMABAD	46	7463	15	1945	5	1617	16	1825	10	2077
18	ADILABAD	37	12763	0	0	0	0	2	421	35	12341
19	KARIMNAGAR	85	9453	5	483	1	127	25	3181	54	5662
20	WARANGAL	58	12311	9	1576	1	160	13	2321	35	8253
21	KHAMMAM	49	12441	2	170	2	168	3	218	42	11885
22	NALGONDA	64	13682	5	1238	9	1897	23	4751	27	5796
	<b>ANDHRA PRADESH</b>	<b>1157</b>	<b>226682</b>	<b>118</b>	<b>20848</b>	<b>79</b>	<b>13569</b>	<b>188</b>	<b>34732</b>	<b>772</b>	<b>157533</b>

LIST OF OVER EXPLOITED AND CRITICAL GROUND WATER BASINS IN THE STATE					
Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered In the basin Full(F)Part(P)
1	Srikakulam	NIL	NIL	NIL	NIL
2	Vizianagaram	NIL	NIL	1. Gost-Denkada-1c 2. Mehadrigedda	1. Bogapuram( P) 2. Denkada ( P) 3. Kothavalasa ( P)
3	Visakhapatnam	1.Madasarilova R1	1.Vishakapatnam( P) 2.Vishakapatnam(Urban)( P)	1. Varaha-3c  2.Naragedda nc  3.Meghadrigedda	1. Kotavurtla( P) 2. S.Rayaram( P) 3. Elamanchili( P) 4. Nakkapalli( P)  1. Visakhapatnam( P) 2. Gajuvaka( P) 3.Pendurthy( P) 4.A.Kotapadu( P) 5.Subbavaram( P) 6.VSP Urban ( P)  1.K.Kotapadu ( P) 2.Pendurthy ( P) 3.Anandapuram ( P)
4	East Godavari	NIL	NIL	NIL	NIL
5	West Godavari	1.Gunderu	1. Chintalapudi( P) 2. T.Narsapuram( P) 3. Kamavarapukota( P) 4. Lingapalem( P) 5. Peddavegi( P) 6. Denduluru( P)	1.Jalleru basin	1.Jangareddygudem( P) 2.Jeelagumilli( P) 3.Buttayagudem( P)
		2.Tadepalligudem	1. Unguturu( P) 2. Tadepalligudem (P).	2.Bhimadolu	1. Kamavarapukota( P) 2.Nallajerla( P) 3.Denduluru( P) 4.Dwarakaturumala ( P) 5.Bhimadolu( P) 6.Unguturu( P).
		3.Ramileru	1. Pedavegi( P) 2. Pedapadu(F)	3.Turpukalva basin NC	1.Battayagudem( P) 2.Koyyalagudem( P) 3.Jangareddygudem( P)
		4..Paletivagu	1. Koyyalagudem( P) 2. Gopalapuram( P) 3. Chengallu( P) 4. Nallajerla( P) 5. Devarapally ( P) 6. Nidadavolu( P)		
		5.Yerrakalva -2	1. Jangareddygudem( P) 2. Kamavarapukota( P) 3. Dwarakaturumala( P) 4. Koyyalagudem( P) 5. Nallajerla( P) 6. Tadepalligudem( P) 7. Devarapalli( P) 8. Nidadavolu( P).		
		6.Tammeleru North Basin NC	1. Chintalapudi( P) 2.Lingapalem( P) 3. Peddavegi( P)		
		7.Yerrakalva -1 NC	1. Chintalapudi(P) 2. T.Narsapuram(P) 3. Jangareddygudem(P) 4. Kamavarapukota(P).		



Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		8.Tammileru South -C	1. Pedavegi(P) 2. Eluru(F) 3. Denduluru(P).		
6	Krishna	NIL	NIL	NIL	NIL
7	Guntur	NIL	NIL	NIL	NIL
8	Prakasam	1.GKCB -1	1.1.Markapuram(P) 2.Cumbum(P) 3.Arevedu(P).	1.Duvvaleru	1.Pullamcheruvu(P) 2.Tripurantakam(P)
		2.GKCB -3	1.Markapuram(P) 2.peddaraveedu(P).	2.Manneru-1	1.C.Spuram(P)
		3.Vemuleru	1.B.Peta(P) 2.Komuluru(P)	3.Rallavagu	1.Y.palem(P).
		4.Dornapuvagu	1. Talluru(P) 2. Darsi(P)	-	-
		5.GKCB-4	1.Y.palrem(P) 2.Tripurantakam(P)	-	-
		6.GKCB-6	1.Tripurantakam(P)	-	-
9	Nellore	1. Lower Pennar-72-14	1.Indukurupet(P) 2.T.P.Gudur(P) 3. Nellore(P).	1.Upputeru-73-4	1. Dakkali(P) 2. Venkatagiri(P) 3. Balayapalli(P) 4. Saidapuram(P) 5. Gudur(P).
10	Chittoor	1.Mangalampeta - Chintalavanka	1. C.G.Gallu(P) 2. Pulicherla(P) 3. Pakala(P) 4. Sodem(P).	1.Nampally sub basin	1.Irala(P) 2. Putalapattu(P) 3.Parkala(P).
		2.Gargelavanka sub basin	1. Putlapadu(P) 2. Irala(P).	2.Godduvanka	1. Peddapanjani(P) 2.Gangavaram, 3. Tavanampalli(P) 4. Bangarupalem(P) 5. Irala(P) 6. Putalapattu(P) 7. Penagaluru(P).
		3.Niva	1. G.D.Nellore(P) 2. Chittoor(P) 3. Yadamarri(P) 4. Tavanampalli(P) 5. Bangarupalem(P)	3.Srikalahasthi	1. Thottambedu(P) 2. Srikalahasthi(P) 3. Earpedu(P)
		4.Gudipala	1. Chittoor(P) 2.Yadamarrri(P) 3. Gudipala(F) 4. G.D.Nellore(P).	4.Kaigaleru	1. Baireddyally(P) 2. V.Kota(P).
		5.G.D.Nellore	1. Penumur(P) 2. Vedurukuppam(P) 3. S.R.Puram(P) 4. G.D.Nellore(P) 5. Palasamudram(P)	5.Duggammaeru	1. V.Kota(P) 2. Ramakuppam(P)
		6.Palasamudram ( part I, II)	1. Palasamudram(P).	6.Thettuvanka	1. Madanapalli(P) 2. Kurubalakota(P) 3.Voyalapadu(P)

Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		7.S.R.Puram	1. Palasamudram(P) 2. G.D.Nellore(P) 3. S.R.Puram(P).	7.Marripaduvanak	1. Voyyalapadu(P) 2. Gurramkonda(P) 3. Kurabalakota(P).
		8.Kundetivanka	1. S.R.Puram(P) 2.Vedurukuppam(P) 3.Penumuru(P) 4.Karvetinagar(P).	8 Kusavativanka	1. Gurramkonda(P) 2. Thambalapalli(P) 3. Peddamandyam(P).
		9.Karvetinagar	1. Karvetinagar(F)	-	-
		10.Nagari I,II	1. Nindra(P) 2.Vijayapuram(P) 3.Nagari(P).	-	-
		11.Arani	1.Puttur(P) 2. Narayanapuram(P) 3. Nindra(P) 4. K.V.B.Puram(P) 5. Pitchatur(P).	-	-
		12.Puttur	1. Vedurukuppam(P) 2.Karvetinagarm(P) 3. Puttur(P) 4. Vadamalapet(P) 5. Narayanavaram(P)	-	-
		13.Sivagirivanka	1. Pitchatur(P) 2. Nindra(P) 3.Vijayapuram(P)	-	-
		14.Kuppam banduruvanka	1. R.C.Puram(P) 2. Tirupathi Rural(P) 3. Vadamalapet(P) 4. Renigunta(P) 5. Erpedu(P).	-	-
		15.Kalyani	1. Chandragiri(P) 2. Tirupathi Rural(P) 3. Tirupathi Urban(P)	-	-
		16.Rayacheruvu	1. Chandragiri(P) 2. Tirupathi Rural(P) 3. R.C.puram(P) 4. Vedurukuppam(P)	-	-
		17.Ramasamudram	1. Ramasamudram(P) 2. Penagaluru(P).	-	-
		18.Peddapanjanivanka	1. Peddapanjani(P) 2. Gagavaram(P).	-	-
		19.Thotlacheruvu vanka	1. Ramakuppam(P) 2. Kuppam(P).	-	-
		20.Kuppam vanka	1. Shanthipuram(P) 2. Gudipalli(P) 3. Kuppam(P)	-	-
		21.Chenneru	1. Kuppam(P) 2. Gudipalli(P)	-	-
		22.Pincha I, II	1. Piler(P) 2. Pincherla(P) 3. Sodam(P)	-	-
		23.Regadakalva	1. Nimmanapalli(P) 2. Madanapalli(P) 3. Penganuru(P).	-	-

Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
11	Cuddapah	1.Kondapuram-Regadipalli	1. Kondapuram(P) 2. MUddanur(P) 3. Simhadripuram(P).	1.Vontimitta	1. Siddavout(P) 2. Vontimitta(P).
		2.Jinkalavanka	1. Chennur(P) 2. Pellimarri(P) 3. Vellur(P).	2.Peddapalli	1. Siddavout(P) 2. Vontimitta(P).
		3.Kondapuram-Eturu	1. Kondapuram(P)	3. Vakkileru	1. Champadu(P) 2. Khajipet(P) 3. Mydukur(P) 4. Vallur(P).
		4.Vempalli	1. Vempally(P) 2. Pellimarri(P) 3. V.N.Palli(P) 4. Vemula(P)	4. Parnapalli	1. Lingala(P)
		5.Tallapalli	1. Vempally(P) 2. V.N.Palli(P) 3. Vemula(P).	5. Surabhi	1. Chakrayapet(P) 2. Gallivedu(P) 3. L.R.Palli(P).
		6.Vemula	1. Vempalli(P) 2. Vemula(P) 3. Pulivendula(P)	6. Kallurupalli	1. Chakrayapet(P)
		7.Pulivendula	1. Vempalli(P) 2. Vemula(P) 3. Pulivendula(P)	7. Idupalapaya	1. Vempally(P) 2. V.N.Palli(P). 3. Pendlimarri(P)
		8.Akkalreddypalli	1. B.Kondur(F) 2. Srikasinayana(P) 3. B. Mattam(P) 4. Kalsapadu(P) 5. Porumamilla(P).	8. Gotur	1. Pulivendula(P) 2. Thonduru(P) 3. Vemula(P).
		9.Atloor	1.Atloor(P) 2. Badvel(P).	9. Balapannur	1. simhadripuram(P) 2. Pulivendula(P) 3. Thonduru(P)
		10.Sanipaya	1. Veeraballi(P)	10. Simhadripuram	1. Lingala(P) 2. Simhadripuram(P) 3. Thonduru(P)
		11.Rajampet	1. Penagalur(P) 2. Pullampet(P) 3. Rajampet(P)	11.Kamalapuram	1. Kamalapuram(P) 2 Valluru(P)
		12.Dalavayapalli	1.Obulavaipally(P) 2.Pullampet(P) 3. Rajampet.(P).	12. Nayunipalli	1. B.Mattam(P)) 2. Sri Kasinayana(P)
		13.Musteru	1. Kondur(P) 2. Obulavaripalli(P).	13. Porumamilla	1. Kalsapadu(P) 2. Srikasinayana(P) 3. Porumamilla(P)
		14.Penagaluru	1. Kondur(P) 2.Obulavaripalli(P) 3. Penagalur(P) 4. Chitvel(P).	14. Rekulagunta	1. B.Kondur(P) 2. Badvel(P) 3. B.Mattam(P)
		15.Chitvel	1. Chitvel(P).	15. Badvel	1. B.Kondur(P) 2. Badvel,(P) 3. Gopavaram(P) 4. Porumamilla(P)
				16. Muttukuru	1. Atturu(P) 2. Badvel(P)

Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		-	-	17. Veeraballi	1. Rayachoti(P) 2. Sambapalli(P) 3. T.Sundupalli(P) 4. Veeraballi(P)
		-	-	18. Gadikota	1. Veeraballi(P)
		-	-	19. Rayavaram-2	1. Rajampet(P) 2. T.Sundupalli(P).
		-	-	20. Pullampet	1. Pullampet(P) 2. Rajampet(P).
		-	-	21. Orampadu	1. Obulavaripalli(P) 2. Pullampet(P).
		-	-	22. Nandalur	1. Nandalur(P) 2. Rajampet (P) 3. Ontimitta (P).
12	Ananthapur	1.S.Puram-Bandur	1.D.Hirehal (P)& 2.Bommanahal (P)	1. Kotanka-Lolluru	1. B.K.Samudram(P) 2. Ananthapur(P) 3. Kuderu(P) 4. Garladenni(P) 5. Singanamala(P)
		2.Mallapuram-Kadlur	1 D.Hirehal(P) 2. Rayadurg(P) 3.Bommanahal(P).	2. Chiyvedu-Chemmaluru	1. Ananthapur(P) 2. B.K.Samudram(P) 3. Narpala(P) 4.Buthalapalli(P)
		3.Hampapuram-Suddagatta	1.Kaneka(P) 2.Bommanahal(P) 3.Bommanahal(P) 4.Rayadurg (P) 5.D.Hirehal(P).	3. Madugapalli-Medikurthy	1. Narpala(P) 2. Putluru(P) 3. Ellanur(P) 4. Tadiparthi(P).
		4.N.palli-V.Samudram	1Kanekal(P) 2.Rayadurg(P) 3.Bommanahal (P).	4. Malayavantham - Peddakotla	1. Narpala(P) 2. Balhalpalli(P) 3. Mudugubba (P) 4. Tadimarri(P)
		5.Rayadurg-Kalugodu	1.Rayadurg(P) 2.Gummagatta (P).	-	-
		6.H.Halli - V.Halli	1.Gummagatta(P) 2.Rayadurg(P) 3.Kanekal (P).	-	-
		7.Aagali-Dodderi	1.Agali (P) 2. Rolla (P)	-	-
		8. Gondipalli - Dharmavaram	1.Chennekothapalle(P) 2.Dharmavaram(P) 3.Kothacheruvu(P) 4.Penukonda (P).	-	-
		9.Kothapalli - Tootrapalli	1. Peddavaduguru (P) 2. Gooty (P) 3. Yadidi (P)	-	-
		10. Bhupasamudram_ SR pally	1. Hindupur(P) 2. Lepakshi (P).	-	-
		11. Peddakovattala-Kumetha	1. Peddavaduguru (P) 2. Peddapappuru(P) 3. Yadiki (P).	-	-

Sl. No.	District	Over exploited Basins	Mandals Covered In the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		12.Obulapuram-Peddaoolamada	1. Peddapappuru(P) 2. Tadipatri(P) 3. Singanamala(P) 4. Narpala(P) 5. Yellanuru(P) 6. Putluru (P).	-	-
		13.C.R.Palli - Gangireddipalli	1. Mudigubba(P) 2. Dharmavaram(P) 3. Chinnakothapalli(P).	-	-
13	Kurnool	1.Yellamma vagu	1. Orvakal(P) 2.Kurnool (P).	1.Vakeleru_Allagadda	1. Allagadda(P) 2. Gospadu(P) 3. Sirievella(P) 4.Rudravaram(P) 5. Domipadu (P)
		-	-	2.Vakeleru_Chagalamarri	1. Allagadda(P) 2. Chagalamarri(P)
		-	-	3.Madha vagu	1. Kollimgundia(P) 2. Sanjmalala(P)
		-	-	4.Jurreru vagu 1	1.Bethamcherla(P) 2.Banaganapalli(P) 3.Koilkuntla(P)
14	Mahabubnagar	1.Midjil- Talkondapally (KK6)	1. Midjil(P) 2. Talkondapalli(P)	1.Keshampet_Talkondapally	1. Kesampet(P) 2.Shadnagar(P) 3. Talkondapalli(P) 4. Balanagar(P) 5. Jadcherla(P) 6. Midjil(P).
		2.Kothur- Shadnagar (KG35)	1. Kothur(P) 2. Shadnagar(P)	-	-
		3.Kalwakurthy-Vangur(KK1)	1. Kalwakurthy(P) 2. Vangoor(P)	-	-
15	Rangareddy & Hyderabad	1.Medchal	1. Medchal(P) 2. Quthubullapur,(P) 3. Shamirpet	1.Manchal	1. Manchal(P) 2. Ibrahimpatnam(P) 3. Yacharam(P) 4. Hayathnagar(P)
		2.Shamirpet -N	1. Shamirpet(P) 2. Medchal(P)	2.Rangapur	1. Manchal(P)
		3.Shamirpet	1. Shamirpet(P)	3.Yacharam	1. Yacharam(P) 2. Manchal(P)
		4.Balanagar	1. Balanagar, (P) 2. Quthubullapur, (P) 3. Serilingampally,(P) 4. Medchal, (P) 5. Shamirpet,(P) 6. Malkajgiri, (P) 7. Uppal, (P) 8. Hyd. Urban area(P)	4.Ibrahimpatnam, Kandukuru	1. Kandukuru(P) 2. Ibrahimpatnam(P) 3. Yacharam(P) 4. Mahoswaram(P) 5. Medchal(P)
		5.Saroomagar	1. Saroomagar(P) 2. Hayathnagar(P) 3. Uppal(P) 4. Rajendranagar(P) 5. Hyd. Urban area(P)	5.Gandeed	1. Kulicherla(P) 2. Doma(P) 3. Gandeed(P)

Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		6.Hyathnagar	1. Hdayathnagar (P) 2. Saroomnagar(P) 3. Ibrahimpatnam(P)	-	-
		7.Chevella	1. Chevella(P) 2. Pudur(P) 3. Moinabad(P) 4. Shabad(P) 5. Rajendranagar(P)	-	-
		8.Chevella-N	1. Chevella(P) 2.Shankarpally(P) 3. Moinabad(P) 4. Rajendranagar(P) 5. Nawabpet(P)	-	-
		9.Mahammadabad	1. Gandeedi(P) 2. Kulakcherla(P)	-	-
16	Medak	1. Doualathabad	1. Dubbak(P) 2.Mirdoddi(P) 3.Doulathabad(P) 4.Ramyampet(P).	1. Baironmathhadi	1.Chennakondur(P) 2.Siddipet(P) 3.Dubbak(P) 4.Mirdoddi(P)
		2. Nanganur	1.Kondapak(P) 2.Nangnur(P)	2. Chityal Nala	1.Siddipet(P) 2 Kondapak(P)
		-	-	3. Dubbak	1.Kondapak(P) 2.Siddipet(P) 3.Dubbak(P) 4.Mirdoddi(P)
		-	-	4. Jagadevpur	1.Jegadevpur (P) 2.Mulugu(P)
		-	-	5. Mulugu	1.Mulugu(P)
17	Nizamabad	1.Morthad.	1.Morthad(P) 2. Kammarapally(P)	1.Birkur	1. Kotagiri(P) 2. Birkur(P)
		2. Konasamunder	1.Morthad(P) 2. Kammarapally(P) 3.Bheemghal(P)	2.Kalvaral - Velpur	1. Velpur(P) 2. Bhoomgal(P) 3. Jakranpally(P) 4. Dharpally(P) 5. Nizamabad(P) 6. Gandhari(P) 7. Dichpally(P) 8. Sadasivanagar(P) 9. Armur(P)
		3.Bheemgal	1.Bheemgal(P) 2. Kammarapally(P) 3.Varpur(P) 4.Sirikonda(P)	3.Armur - Maggidi	1. Balkonda(P) 2. Jakranpally(P) 3. Armur (P) 4. Nandipet(P) 5. Makloor(P).
		4. Hussainagar	1.Sirikonda(P)	4.Manchippa - Makloor	1. Navipet(P) 2. Nizamabad(P) 3. Nandipet(P) 4.Makloor(P) 5. Dichpally(P) 6. Gandhari(P).

Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered In the basin Full(F)Part(P)
		5. Gadkole Thumpally	1.Sirikonda(P) 2. Machareddy(P) 3.Kammarapally(P)	5.Chimanpally	1. Machareddy(P) 2. Kammarpally(P) 3. Sirkonda(P).
		6. Hanmajipet	1. Sirikonda(P) 2.Darpally(P) 3.Machareddy(P)	-	-
		7. Dharpally	1. Bheemgal (P) 2.Darpally(P) 3.Jakrampally(P) 4.Sirikonda(P)	-	-
		8. Bheemgal -Bhuzurg	1.Velpoor(P) 2. Bheemgal(P) 3.Darpally(P)	-	-
		9. Lakkoravannil	1.Velpoor(P) 2.Balkonda(P) 3.Armoor(P) 4.Morthad(P)	-	-
		10. Velgatoor	1.Morthad(P) 2.Balkonda(P)	-	-
		11. Badgoni-Siripuram	1.Nandipeta(P)	-	-
		12. Kamareddy - Bhavanipet	1.Machareddy(P) 2.Biknoor(P) 3.Sadasivanagar(P) 4.Kamareddy(P) 5.Thadvai(P)	-	-
		13. Mythyampet	1. Bhiknoor(P) 2. Thadvai(P) 3. Kamareddy(P) 4. Domakonda(P) 5. Machareddy(P)	-	-
		14. Bhiknoor - Bibipet	1. Bhiknoor(P) 2. Domakonda(P)	-	-
		15. Kammarapally	1. Morthad (P) 2. Kammarapally (P)	-	-
18	Adilabad	NIL	NIL	NIL	NIL
19	Karimnagar	1. Husnabad Yellammagadda(73)	1.Koheda(P) 2.Chigirumamidi(P) 3.Hasnabad(P) 3.Bhemmadevarapally(P).	1.Narsingapuram Kotha Uppal Peddavagu (80)	1.Kamalapur(P) 2.Elkathurthy(P) 3.Huzurabad(P) 4.B.Dpally(P) 5.Husnabad(P)
		2. Nusthalapur Mohedummeda(74)	1.Thimmpur(P) 2.chigirumammdi(P).	-	-
		3. Manakondur (75)	1.Thimmapur(P) 2.Mankondur(P).	-	-
		4. Dhamaram- Kothakonda(82)	1.Bhemmadevarapally(P).	-	-
		5. Guniparthy Salivagu (85 part)	1.Kamalapur(P).	-	-
20	Warangal	1. Komuravelly	1.Chiryala(P) 2.Bachannapeta(P) 3.Maddur(P)	1.Dummatnala	1. Cherialy(P) 2. Bachannapet(P) 3. Madduru(P)

Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		2. Are Vagu	1.Narmetta(P) 2.Bachannapeta(P) 3.Maddur(P).	-	-
		3. Dharmasager	1. Dharmasagar(P) 2. Hasanaparthi(P)	-	-
		4. Peddavagu	1.Chiryala(P) 2.Bachannapeta(P) 3.Nermetta(P) 4.Jangaon(P).	-	-
		5. Oora Cheruvu	1. Narmetta(P) 2.Jangaon(P) 3.Lingalaghanpoor(P) 4.Raghunathapalli(P)	-	-
		6. Lothu vagu	1. Nermetta(P) 2. Maddur(P) 3.Raghunathapalli(P) 4.Vardhannapeta(P) 5.Ghanpur( Station)(P) 6.Thorruru(P).	-	-
		7. Yeero Cheruvu	1.Nermetta(P) 2.Palakurthy(P) 3. Ghanpur (Station) (P)	-	-
		8. Andhlakunta Cheruvu	1.Kundakandla(P) 2.Palakurthy(P) 3.Ghanpur Station(P).	-	-
		9. Pendyala vagu	1. Madduru(P) 2. Dharmasagar(P) 3. Ghanpur(Station)(P).	-	-
21	Khammam	1.Munair -6	1.Khammam Rural(P) 2. Mudigedda(P) 3.Tirumalayapalem(P)	1.Palair-I	1. Tirumalayapalem(P)
		2.Palair-II	1.Kusumanchi(P) 2.Tirumalayapalem(P)	2.Palair-IV	1. Kusumanchi(P) 2.Tirumalayapalem(P) 3.Khammam Rural(P) 4.Mudigedda(P)
22	Nalgonda	1. Alair	1.Alair(P)	1. Gummadavelly	1.Thungathurthy(P) 2.Tirumalagiri(P) 3.Nuthanakal(P)
		2. Rajapet	1.Rajapet(P) 2.Thurkapalli(P) 3.Mthurkapalli(P).	2. Yerrapahad	1.Nuthankal(P)
		3. Marriguda	1.Marriguda(P) 2. Chinthapally(P) 3.Nampally(P) 4.Chandur(P) 5.Gurrampode(P) 6.P.A.pally(P)	3. Suryapet	1.Suryapet(P) 2.chivemula(P) 3.Penphad(P) 4.Nereducherla(P)
		4. Gundlapalli	1. Gundlapalli(P) 2. Chandampet(P) 3. Devarakonda(P)	4. Gurrampode	1.Gorrampode(P) 2.Nampally(P) 3.P.A.pally(P) 4.Peddavoora(P)
		5. Challur	1.M Turkapalli(P) 2.Rajapet(P) 3.Yadagiri gutta(P) 4.Alair(P)	5. Ramannapet	1. B.Pochempally(P) 2.Ramannapet(P) 3.Chityal(P) 4.chuotapal(P) 5.Voligonga(P)



Sl. No.	District	Over exploited Basins	Mandals Covered in the basin Full(F)Part(P)	Critical Basins	Mandals Covered in the basin Full(F)Part(P)
		-	-	6. Ammanbole	1.Rammanapet(P) 2.Chityala(P) 3.Narketpally 4.Salligouraram(P)
		-	-	7. Challur	1.M. Thurkapally(P) 2.Rajapet(P) 3.Yadagirigutta(P) 4.Alair(P)
		-	-	8. Gundala	1.Gundala(P)
		-	-	9. S.Gowaram	1.Sali gouraram(P) 2.Nakerekal(P) 3.Kethepally(P) 4.Kattamgur(P).
<b>Total</b>	<b>22</b>	<b>118</b>	<b>211 Part / 4 Full</b>	<b>79</b>	<b>190 Part</b>
<b>Total over exploited and critical basins</b>		<b>197 basins</b>	<b>Total mandals covered after deleting Mandals repeated</b>	<b>313 Part and 4 Full</b>	

**RIVER BASIN WISE GROUNDWATER POTENTIAL ASSESSMENT REPORT OF  
ANDHRA PRADESH**

River Index	Name of the river basin	Area considered for recharge sq.km			Net annual groundwater availability MCM			Current gross annual ground water draft for all uses MCM			Demand for domestic and Industrial needs at 2025 MCM			Annual allocation for domestic and industrial needs MCM			Current annual draft for irrigation MCM			Net annual groundwater availability for future irrigation use MCM		
		C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC	C	NC	NC
1	2	3		4	5	6	7	8	9	10	11	12	13	14	15	16						
1	Bahuda	0	342	0	46	0	5	0	5	0	6	0	6	0	3	0	38					
2	Mahendratanya	0	390	0	76	0	0	5	0	4	0	0	4	0	3	0	68					
3	Punid Minor Drainage	58	235	18	14	2	5	1	5	0	1	0	1	4	17	9						
4	Naupada	229	532	72	65	12	22	5	8	5	8	5	8	9	19	57	37					
5	Vamshadhara	358	1058	90	164	14	25	7	20	7	20	7	20	12	19	72	125					
6	Nagavali	808	3949	193	632	24	132	13	78	13	78	13	78	18	104	162	450					
7	Peddavagu	0	376	0	50	0	22	0	4	0	4	0	4	0	20	0	26					
8	Kandivalasa Gadda	4	408	1	56	0	38	0	6	0	6	0	6	0	34	1	16					
9	Champavathi	330	981	92	103	17	56	4	21	4	21	4	21	14	47	73	34					
10	Goshani	125	1079	47	101	7	39	2	29	2	29	2	29	6	32	39	40					
11	Mahuravada M.D	0	84	0	7	0	4	0	11	0	11	0	3	0	1	0	2					
12	Narvagadda	1	458	0	32	0	22	0	69	0	69	0	25	0	7	0	0					
13	Anakapalle M.D	0	101	0	8	0	0	2	0	0	2	0	2	0	1	0	6					
14	Sharada	186	1446	84	120	9	30	4	49	4	49	4	49	7	20	72	52					
15	Varaha	65	645	21	59	4	21	1	34	1	34	1	27	3	10	17	21					
16	Thandava	250	455	33	39	3	10	4	6	4	6	4	6	2	5	27	28					
17	Pampa	97	228	24	28	4	11	4	8	1	8	1	8	4	12	16	16					
18	Suddagadda	91	230	14	29	6	9	2	7	2	7	2	7	6	8	6	14					
19	Yelluru	298	427	63	56	10	19	11	10	11	10	11	7	9	17	43	32					
20-36	Godavari	8185	53395	2935	6253	620	3101	158	434	158	386	158	386	563	2913	2213	2953					
37	Eraa Kalva	234	2465	82	436	6	518	2	28	2	28	2	28	6	499	74	0					
39	Gunderu	52	463	22	79	0	85	0	1	0	1	0	0	0	83	22	0					
41	Ramileru	139	88	31	17	0	20	1	2	1	2	1	0	0	20	29	0					
42	Budameru	207	2166	37	278	10	114	2	32	2	32	2	32	10	99	25	147					
43-53	Krishna	14277	58449	4859	5256	504	3329	197	557	197	479	197	479	381	3041	4263	1736					
56	Romperu	393	109	9	3	1	8	4	8	4	8	4	8	4	1	95	4					
57	Gundlakamma	3095	3448	805	236	54	179	32	29	32	21	45	173	728	41							
58	Gundlakamma [Minor Drainage]	0	753	0	28	0	22	0	4	0	4	0	4	0	22	0	3					
59	Musi [A]	465	1780	166	150	6	59	3	11	3	11	3	11	5	56	158	83					

60	Paleru (A)	0	2122	0	169	0	67	0	12	0	12	0	64	0	93
61	Maneru	0	2623	0	247	0	114	0	15	0	15	0	110	0	122
62	Kundeleru (Chipereru)	534	1013	130	97	11	36	2	8	2	8	11	35	117	54
63-72	Penna	3773	36200	1007	2641	315	1761	48	248	45	208	296	1716	666	717
73	Upputeru	705	2445	301	258	89	164	6	16	6	16	84	151	211	92
74	Swarnamukhi	16	3360	0	387	2	310	0	32	0	24	2	294	1	69
75	Kalangi [Minor Drains]	0	1467	0	194	0	48	0	5	0	5	0	45	0	143
76	Kalangi	5	1292	0	156	0	187	0	13	0	13	0	179	1	0
77	Arani [Minor Drains]	0	1004	0	119	0	121	0	9	0	9	0	116	0	0
78	Arni	0	942	0	107	0	103	0	7	0	7	0	97	0	5
79	Kortalair	0	870	0	65	0	80	0	7	0	7	0	73	0	0
80	Ponnair	0	695	0	71	0	64	0	6	0	6	0	60	0	7
81	Palar	0	2218	0	239	0	269	0	21	0	21	0	249	0	0
	Andhra Pradesh	34978	192797	11228	19174	1744	11223	512	1874	509	1559	1503	10454	9220	7283

## DISTRICTWISE IRRIGATION POTENTIAL THROUGH GROUNDWATER

S. No.	District	Net Annual Ground water availability for irrigation in MCM		Current draft for irrigation in MCM		Net annual ground water availability for future irrigation in MCM		Additional wells feasible		Additional area that can be irrigated in ha		Gross area irrigated through ground water in 2000-01 ha	Ultimate irrigation potential through ground water ha
		C	NC	C	NC	C	NC	C	NC	C	NC		
1	Srikakulam	207	575	27	127	180	448	3593	44758	5526	68838	19000	93364
2	Vijayanagaram	274	535	34	155	240	380	4799	38016	7381	58469	24000	89849
3	Visakhapatnam	106	140	11	52	96	88	1910	8812	2938	13553	39000	55490
4	East Godavari	958	314	128	140	830	174	16602	17415	25534	26784	88000	140318
5	West Godavari	388	645	19	782	369	0	7382	0	11353	0	194000	205353
6	Krishna	589	479	97	173	492	306	9840	30574	15134	47023	50000	112157
7	Guntur	2430	291	77	96	2353	195	47063	19482	72384	29963	51000	153347
8	Prakasam	1032	684	51	395	981	289	19617	28850	30172	44371	87000	161543
9	Nellore	978	971	321	473	657	498	13143	49798	20214	76589	101000	197804
10	Chittoor	0	1374	0	1326	0	48	0	4848	0	7456	180000	187456
11	Cuddapah	124	639	41	535	83	104	4149	10398	6381	15992	140000	162373
12	Anantapur	212	950	28	654	184	296	9225	29586	14187	45503	133000	192691
13	Kurnool	459	741	58	273	401	468	20053	46809	30841	71992	110000	212833
14	Mahabubnagar	53	1095	9	668	44	426	2205	42644	3391	65586	187000	255978
15	Ranga Reddy	0	511	0	425	0	86	0	8605	0	13234	88000	101234
16	Medak	0	1028	0	745	0	283	0	28258	0	43461	175000	218461
17	Nizamabad	308	829	165	807	143	22	7153	2180	11001	3353	206000	220354
18	Adilabad	152	1184	47	310	105	874	5257	87431	8085	134469	53000	195554
19	Karimnagar	913	656	166	480	747	176	37347	17629	57439	27113	263000	347552
20	Warangal	434	1221	112	657	322	564	16096	56399	24756	86742	275000	386497
21	Khammam	550	1305	75	238	475	1067	23763	106725	36547	164143	59000	259690
22	Nalgonda	493	1166	43	903	449	263	22463	26289	34547	40432	171000	245980
<b>Andhra Pradesh</b>		<b>10659</b>	<b>17332</b>	<b>1507</b>	<b>10414</b>	<b>9152</b>	<b>6918</b>	<b>271658</b>	<b>705506</b>	<b>417810</b>	<b>1085068</b>	<b>2693000</b>	<b>4195879</b>

Note: In command areas, only 20% of the available resource in coastal districts and 50% of the available resource in Telangana and Rayalaseema districts is considered feasible for development. However in non command areas total available resource is considered feasible for development.

## DISTRICTWISE WELL POPULATION AND GROUNDWATER IRRIGATED AREA IN ANDHRA PRADESH

S. No.	DISTRICT	1979-80			1984-85			1989-90			1992-93			1997-98			2000-01		
		Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Gross Area irrigated under Ground Water (Ha)	Total number of wells	Total number of pumpsets	
1	SRIKAKULAM	8183	20573	13107	31414	17000	36076	20132	41380	21344	42004	19000	42089	19668					
2	VIZIANAGARAM	7085	24670	7925	28744	16000	34496	23095	39803	25595	40524	24000	41588	22437					
3	VISAKHAPATNAM	14328	26554	16751	37911	18000	39239	38355	28038	45319	13082	39000	14237	21967					
4	EAST GODAVARI	32135	18657	36123	30624	40000	30804	60403	34712	76353	24943	88000	26634	36337					
5	WEST GODAVARI	66154	21287	80009	21198	93000	31943	136208	32714	178753	47838	194000	49082	64820					
6	KRISHNA	26852	18578	27902	19790	32000	26802	38667	25982	45644	29344	50000	29762	44861					
7	GUNTUR	14381	11215	13977	17367	25000	15814	27491	23487	44317	29306	51000	29291	45252					
8	PRAKASAM	61547	26362	62891	32310	54000	26158	80073	28693	59379	39570	87000	39824	62966					
9	NELLORE	68604	33178	88693	67355	87000	46888	95580	72736	105460	73843	101000	90067	88880					
10	CHITTOOR	119705	107413	114876	111237	123000	126359	153203	133693	175025	135677	180000	136035	199237					
11	CUDDAPAH	72202	50911	66781	88099	81000	44032	106808	43028	126826	58755	140000	59594	79408					
12	ANANTAPUR	81006	53923	71581	61023	101000	49280	112710	63578	122270	70889	133000	71099	116092					
13	KURNOOL	18677	10366	23273	19378	48000	23261	65437	33780	92986	41834	110000	28377	69757					
14	MAHABUBNAGAR	71350	61479	74498	78265	111000	84214	109156	104422	144944	125661	187000	125156	167608					
15	RANGAREDDY	44149	21375	40488	48625	59000	33043	59612	45919	68251	51041	88000	57548	80956					
16	MEDAK	50770	50924	53904	73919	86000	75448	102762	119220	128910	61896	175000	91700	131922					
17	NIZAMABAD	48009	42710	55863	56906	94000	55222	119295	60146	169210	105377	206000	121879	151656					
18	ADILABAD	8337	15851	8825	21589	13000	28771	28101	28771	35692	33830	53000	31557	65003					
19	KARIMNAGAR	115166	158475	101680	210386	194000	163155	198468	172603	244562	180094	263000	224956	220667					
20	WARANGAL	79831	127199	90730	218271	161000	154583	157141	237653	207389	186106	275000	187611	252457					
21	KHAMMAM	15068	16665	23797	28150	38000	23520	42231	34598	52840	40525	59000	41184	64969					
22	NALGONDA	75850	64100	74436	74456	120000	93622	129411	95273	139813	129983	171000	142823	184794					
ANDHRA PRADESH		1101389	982465	1148110	1377017	1611000	1235371	1904339	1500229	2306882	1562122	2693000	1672093	2191714					

Source: Directorate of Economics and Statistics, Government of Andhra Pradesh, Hyderabad and A.P. Transco.,

## ANNEXURE-1

### SUGGESTIONS OF THE STATE LEVEL GROUNDWATER ESTIMATION COMMITTEE IN THE MEETING HELD ON 4<sup>TH</sup> JULY 2002

Draft report on Estimation of Groundwater Resource was discussed at length and approved in the State level Groundwater Committee held on 4<sup>th</sup> July 2002 in the Conference Hall of the Ground Water Department, Hyderabad under the Chairmanship of the Principal Secretary to Government, Irrigation and Command Area Development Department.

The Chairman felt that the assessment will have greater significance in the present context of the regulatory measures being taken up as per the provisions in the Land, Water and Trees Act enacted by the Government of Andhra Pradesh, and the results should be consistent, accurate and stand in a Court of law. The Chairman has suggested to critically examine the report and offer comments without any reservations. He also suggested that groundwater assessment units should be co-terminus with the surface water units.

The report was discussed in detail and the members made the following suggestions for strengthening of the database and for improvements in the Methodology of assessment.

Dr.P.R.Reddy, Project Director, National Remote Sensing Agency, suggested that geomorphic units should also be considered while applying factors like rainfall infiltration and specific yield. He has also suggested improving the network of observation wells to cover various geomorphic units, which are known to show variation in the water table fluctuation.

Dr.Shakeel Ahmed, Scientist, National Geophysical Research Institute, has informed that some infiltration test conducted by their Organisation using tritium and chloride indicate infiltration between 5 percent to 10 per-cent of the precipitation and suggested some more tests in different hydrogeologic environments.

Dr.N.S.Rao, General Manager, National Bank for Agriculture and Rural Development felt that recharge estimation should be based on toposequence viz., high grounds, followed by sloppy areas, plains and valleys.

Prof.R.Pavanaguru, Head of the Department Geology, Osmania University suggested that University Students can be drafted for research studies and projects work

Prof.G.Krishna Rao, Head of the Department of Geology, Andhra University, Visakhapatnam suggested further improvements in database, groundwater estimation in flood plains, paleo channels, valleys, coastal plains, command areas, confined and semi-confined aquifers using fluctuations in potentiometric surface and storage coefficient etc., and categorisation based on post monsoon water level trends.

Sri G.V.K.Rao, Retired Director, Central Ground Water Board, has strongly supported the Methodology and estimation procedures followed and informed that they are the best possible procedures in the existing circumstances and with the available database.

The other members who have participated in the discussions include Director, Agriculture Department; Chief Engineer, Inter State Water Resources, Irrigation and Command Area Development Department; Chief Engineer, Panchayat Raj Engineering Department; Managing Director, Andhra Pradesh State Irrigation Development Corporation; Chief Engineer, Minor Irrigation wing of Irrigation and Command Area Development Department; Andhra Pradesh Power Transmission Company; Professor and Head, Department of Agronomy, Acharya N.G.Ranga Agricultural University; Professor and Head, Department of Geology, Sri Venkateswara University; Regional Director, Central Ground Water Board; Chief Engineer, Rural Electrification Corporation. They were of the view that the report can be approved and also suggested for improvements in the database particularly with regard to groundwater extraction structures.

The Director, Groundwater Department informed the members that the Department has programmed for detailed Micro-level investigations in all the over-exploited basins, field verification of all the input data including the applicability of the parameters adopted will be taken up and also demarcation of micro basins taking into consideration the layered information on geology, geomorphology, drainage etc.

After the deliberations the State Level Groundwater Estimation Committee Chaired by the Principal Secretary to the Government has unanimously approved the report.

## ANNEXURE -2

### OBJECTIVES AND FUNCTIONS OF

#### ANDHRA PRADESH STATE GROUNDWATER DEPARTMENT

The Groundwater Department was established in the year 1971 with the Objective of clearing groundwater related Minor Irrigation Schemes. During the last 3 decades it has grown step by step and presently each district has an office headed by a Deputy Director. The Department is closely associated with various Developmental and line Organisations at the State Level and District Administration. It is also associated with other Organizations, Universities and Research Institutions. The following are the main functions of the Department:

- Estimation of groundwater resources in the State for according clearances to Minor Irrigation Schemes to various Financial Institutions and Developmental Agencies.
- Detailed investigations for delineation of potential zones in various geological formations.
- Monitoring of groundwater levels and quality through a network of Observation wells.
- Groundwater basin studies for estimation of groundwater reserves.
- Specialized scientific studies viz., aerial photo and satellite imagery interpretations, evaluation of watersheds for improving the quality of groundwater development.
- Hydrogeological and Hydrological investigations for selection of artificial recharge structures and Water Harvesting Structures.
- Integrated Hydrogeological and geophysical investigations for selection of various types of well sites to be implemented by various developmental agencies viz., Scheduled Castes Societies, District Rural Development Agency, Backward Class Corporation, Integrated Tribal Development Agency and Private Individuals under Customer Service.
- Drilling of exploratory-cum-production bore well/tube well, in order to study the lithology and aquifer parameters, wherever required.

State map giving status of all assessment units [basins)



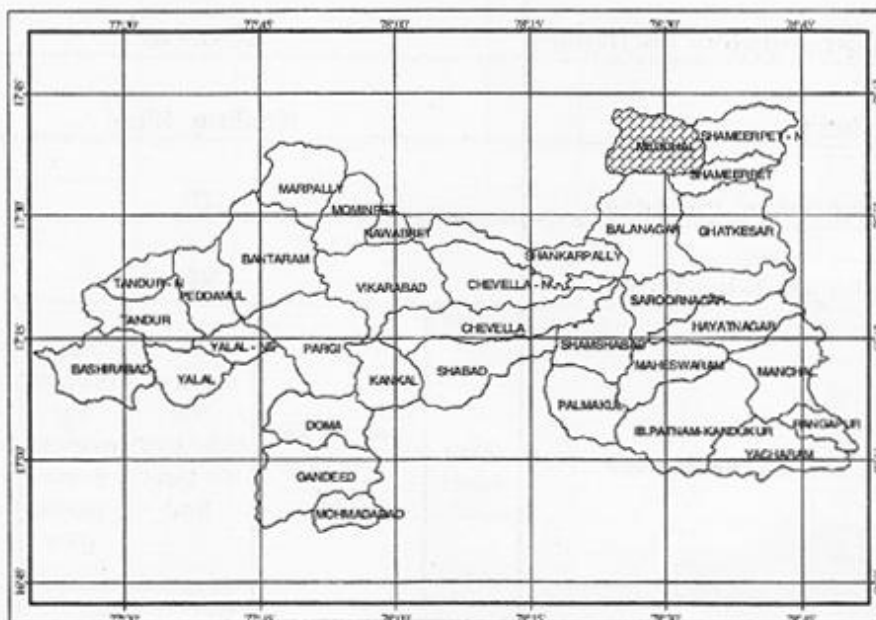


ANNEXURE - 3

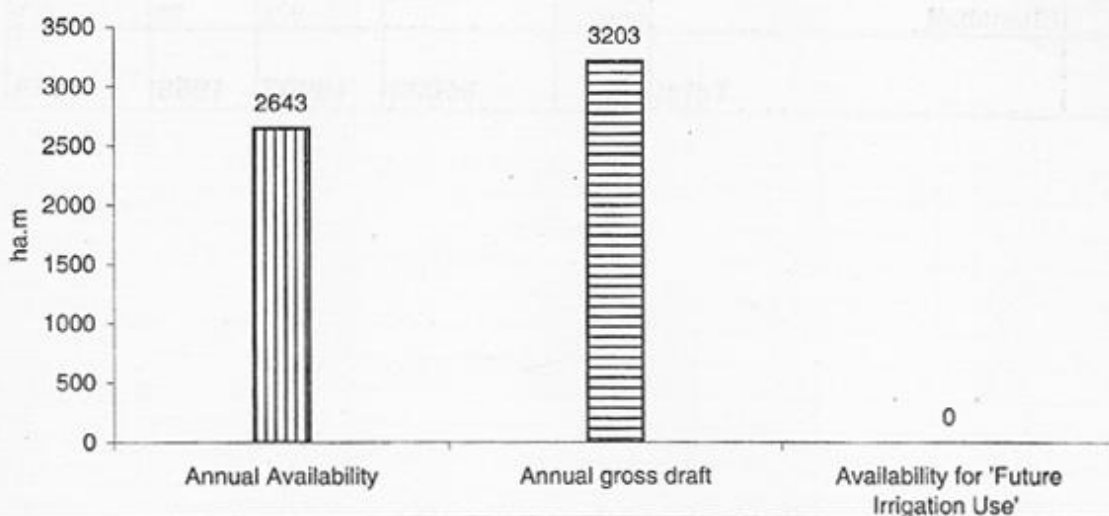
**MODEL BASIN REPORT**



**Ground Water Department**  
**Groundwater Resources Estimation in**  
**Medchal Basin of Krishna River Basin,**  
**Rangareddy District, A.P.**



Status of groundwater resource in the basin



GROUNDWATER RESOURCE ESTIMATION  
GROUNDWATER DEPARTMENT, ANDHRA PRADESH

Statement I  
Mandals in the basin

Name of the district		Rangareddy				
Name of the groundwater estimation		Medchal				
Major River Basin		Krishna_Musi				
Number of mandals in the basin		3				
Number of villages in the basin		32				
S.No	Name of the Mandal	River basin	Area of the mandal (ha)	Area of the mandal in the basin (ha)	Hilly area of the mandal in the basin (ha)	Area of the mandal in the basin considered for recharge (ha)
				NC	NC	NC
1	MEDCHAL	Musi	18806	15665	1541	14124
2	Quthbullapur	Musi	14524	3270	322	2948
3	Shamirpet	Musi	22708	972	96	876
<b>Total</b>			<b>56038</b>	<b>19907</b>	<b>1958</b>	<b>17949</b>

**Statement II**  
**Medchal Basin**  
**Villages basic data**

**General details (Area, forest area, hilly area & population) and well particulars**

Mandal code / Village Code	Mandal / Village	Area (ha)	Area covered in the basin (ha)	Population	Hilly area (ha)	Area considered for recharge (ha)	Number of wells as on 2000 (Source MRO)			
							DW+PS	BW	DW DW/HP	DW PWS
Mandal	MEDCHAL									
1	Nutankal	825	825	1519	81	744		96	10	1
2	Masireddipalle (H)	251	251	353	25	226		51	3	1
3	Konaipalle(H)	178	178	292	18	160	3	28	3	1
4	Yellampet	556	556	940	55	501	2	59	7	1
5	Dabilpur	1134	1134	3502	112	1022		236	21	1
6	Srirangavaram	1663	1027	2152	101	926		44	4	1
7	Bandakunta(H)	134	134		13	121		11		
8	Bandamadharam	434	434	736	43	391		181	7	1
9	Ativelli	829	829	1594	82	747	15	156	11	4
10	Girmapur	728	728	1745	72	656		101	5	2
11	Railapur	461	415	587	41	374		221	1	1
12	Medchal	1500	1500	12970	148	1352	3	89	61	4
13	Goudavalli	1261	1261	2869	124	1137		146	16	1
14	Seethanguda	37	37	526	4	33		26	1	1
15	Kandla Koya	663	663	1031	65	598		166	4	1
16	Somavaram	140	140	488	14	126	6	55	7	1
17	Ravalkolva	2130	2130	2619	210	1920	35	388	9	1
18	Shahzadiguda(H)	198	198	1005	19	179	10	41	1	1
19	Rajbollaram	165	165	1297	16	149	45	110	3	1
20	Akbarjapet(H)	667	667	253	66	601	9	16	2	1
21	Ghanpur(H)	487	487	586	48	439	20	48	3	1
22	Pudur	1353	1353	2935	133	1220		320	10	1
23	Gosaniguda (H)	99	99	291	10	89	2	36	1	1
24	Munirabad	321	321	1471	32	289		30	6	1
25	Gundlapochampally	1333	133		13	120		20		
	Total	17547	15665	41761	1541	14124	150	2675	196	30
Mandal	QUTBULLAPUR				0	0				
26	Naguluru	309	309	566	30	279		15		
27	Gagilapur	797	717	2017	71	647		69	2	
28	Dundigal	2027	2027	6482	199	1828		206	14	12
29	Damarapochampally	722	217	1650	21	195		20	6	3
	Total	3855	3270	10715	322	2948	0	310	22	15
Mandal	SHAMIRPET				0	0				
30	Majodpur	186	149	882	15	134		111	5	1
31	Shamirpet	1458	729		72	657		102		
32	Yamjal	1883	94		9	85		15		
	Total	3527	972	882	96	876	0	228	5	1
	<b>Basin Total</b>	<b>24929</b>	<b>19907</b>	<b>53358</b>	<b>1958</b>	<b>17949</b>	<b>150</b>	<b>3213</b>	<b>223</b>	<b>46</b>

## Statement III

## Medchal Basin

Village wise particulars (Artificial recharge structures, M.I. tanks, etc and irrigation under them) in the basin

Village particulars		Area Irrigated under groundwater (ha) as per M.I. Census				Area Irrigated under tanks (ha)	
Mandal code / Village Code	Mandal / Village	Paddy		Non Paddy		Paddy	
		KR	R	KR	R	KR	R
Mandal	MEDCHAL						
1	Nutankal	50	26	10	19	69	30
2	Masireddipalle (H)	16	12	3	13	4	2
3	Konaipalle(H)	16	11	2	4	8	4
4	Yellampet	17	8	30	26	45	20
5	Dabilpur	68	14	45	24	21	10
6	Srirangavaram	29	10		6	11	5
7	Bandakunta(H)	12	1	6	1		
8	Bandamadharam	40	8	8	22		
9	Ativelli	36	16	13	8	11	5
10	Girmapur	24	20	57	15		
11	Railapur	60	12	36	38	36	16
12	Medchal	12	5	68	2		
13	Goudavalli	76	20	57	15	111	51
14	Seethanguda	4	2	5	4	6	3
15	Kandla Koya	9	8	76	24	64	29
16	Somavaram	14	11	22	8		
17	Ravalkolva	100	56	64	28		
18	Shahzadiguda(H)	10	8	4	2	25	12
19	Rajbollaram	32	20	27	12	18	8
20	Akbarjapet(H)	8		5	2	9	4
21	Ghanpur(H)	18	14	4	5	20	9
22	Pudur	28	22	29	24	201	92
23	Gosaniguda (H)	6	4	9	6		
24	Munirabad	12	12	22	8		
25	Gundlapochampally	6	7	1	3		
	Total	702	327	603	318	660	299
Mandal	QUTBULLAPUR						
26	Naguluru	16	8	14	1	24	11
27	Gagilapur	28	9	20	10	22	10
28	Dundigal	7	16	72	20	38	17
29	Damarapochampally	25	7	3	4	8	4
	Total	75	40	109	35	91	41
Mandal	SHAMIRPET						
30	Majodpur	8	6	20	46		
31	Shamirpet	25	22	15	56		
32	Yamjal	4	2	5	9		
	Total	37	31	40	111	0	0
	<b>Basin Total</b>	<b>814</b>	<b>397</b>	<b>751</b>	<b>464</b>	<b>751</b>	<b>340</b>

BASIC DATA FOR ASSESSMENT OF GROUNDWATER POTENTIAL IN A MEDCHAL BASIN HAVING ONLY NON COMMAND AREA [AS PER GEC 1997 METHODOLOGY]			
GROUND WATER ASSESSMENT ANDHRA PRADESH			
	Assessment carried out by Dr. P Mohan Rao. A.Hg.		
1	General		
1.1	Name of the district	Rangareddy	
1.2	Year of Assessment	2000	2001
1.3	Name of the G W Estimation Unit [basin/mandal]	Basin	
1.4	Index number	154701	
1.5	Survey of India Toposheet No.	56 K / 6, 10	
	Longitude dd mm ss	78 23 25	78 34 23
	Latitude dd mm ss	17 34 47	17 42 57
1.6	Population of the area		53358
1.8	Dependence on groundwater for domestic needs [as fraction 1= 100% dependence]		1
1.9	Growth rate of population per annum		2
	Population projected to year for allocation purpose		2025
2	Details of area		
2.1	Area in square kilometers		199.07
2.2	Hilly area( ha) (slope >20%)		1958
2.3	Poor G W quality area (ha).		0
2.4	Command area ( ha).		0
Area			
<p>A pie chart illustrating the distribution of area. The chart is divided into two segments: a large segment representing 91% of the area, which is 'Area in square kilometers', and a smaller segment representing 9% of the area, which is 'Hilly area (ha) (slope &gt;20%)'. A legend to the right of the chart identifies the patterns used for each category: a dotted pattern for 'Area in square kilometers' and a brick pattern for 'Hilly area (ha) (slope &gt;20%)'.</p>			
3	Geology		
3.1	Predominant type of terrain [( Alluvial/softrock/ Hardrock (granite -gneisses, quartzites, phyllites, limestones, dolomites, etc)]	Granite	Hard Rock
3.2	Specific yield as fraction (of the dominant formation or average S)		0.03

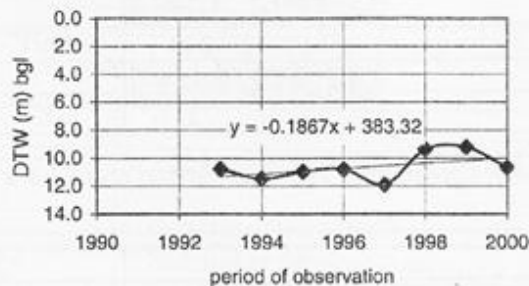


4 Assessment Period, Climate and Precipitation															
4.1	Ground Water Assessment Year	June to May/Nov to Oct	June to May												
4.2	Predominant Monsoon ( South West/ North East)		South-West												
4.3	Monsoon Season	June to September/Nov to	June to September												
4.4	Non- Monsoon Season		October to May												
4.5	Normal annual rainfall [10.2_c and 10.6_c]		835.5												
4.6	Normal Monsoon rainfall [10.2_3, 10.4_2(4a) and 10.6_3, 10.8_2(4a)]		683.1												
4.7	Normal Non-monsoon rainfall		152.4												
4.8	Annual rainfall for the year of assessment		878.3												
4.9	Monsoon rainfall for the year of assessment		762.5												
4.1	Non-monsoon rainfall for the year of assessment		115.8												
4.11	RAINFALL INFILTRATION FACTOR AS PERCENTAGE [10.5]		11												
<p style="text-align: center;">Normal rainfall and rainfall in assessment year</p> <table border="1"> <caption>Data for Normal rainfall and rainfall in assessment year</caption> <thead> <tr> <th>Category</th> <th>Normal Rainfall (mm)</th> <th>Assessment year (mm)</th> </tr> </thead> <tbody> <tr> <td>Annual</td> <td>835.5</td> <td>878.3</td> </tr> <tr> <td>Monsoon</td> <td>683.1</td> <td>762.5</td> </tr> <tr> <td>Non-monsoon</td> <td>152.4</td> <td>115.8</td> </tr> </tbody> </table>				Category	Normal Rainfall (mm)	Assessment year (mm)	Annual	835.5	878.3	Monsoon	683.1	762.5	Non-monsoon	152.4	115.8
Category	Normal Rainfall (mm)	Assessment year (mm)													
Annual	835.5	878.3													
Monsoon	683.1	762.5													
Non-monsoon	152.4	115.8													
5	5.1 NUMBER OF IRRIGATION WELLS IN NON COMMAND AREA AS ON YEAR		2000												
	a. Number of Dug Wells		0												
	b. Number of Dug Wells with Pump Sets / Dug cum Bore Wells		150												
	c. Number of Bore Wells		3213												
	d. Number of Shallow Tube Wells		0												
	e. Number of Medium Tube Wells		0												
	f. Number of Deep Tube Wells		0												
	g. Number of Filter Points		0												
	5.2 NUMBER OF DOMESTIC WELLS IN NON-COMMAND AREA AS ON		2000												
	a. Number of Dug Wells / Handpumps		223												
	b. Number of Dug Wells with Pump Sets / Dug cum Bore Wells		0												
	c. Number of Bore Wells		46												
	d. Number of Shallow Tube Wells		0												
	e. Number of Medium Tube Wells		0												
	f. Number of Deep Tube Wells		0												
	g. Number of Filter Points		0												

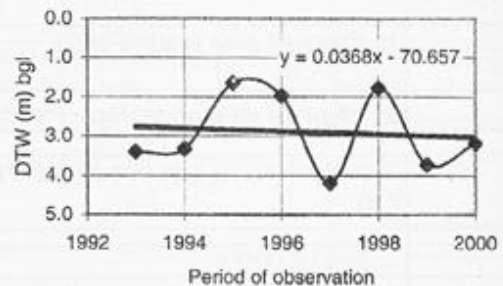
	5.3 NUMBER OF INDUSTRIAL WELLS IN NON-COMMAND AREA AS ON			2000
	a. Number of Dug Wells			0
	b. Number of Dug Wells with Pump Sets / Dug cum Bore Wells			0
	c. Number of Bore Wells			50
	d. Number of Shallow Tube Wells			0
	e. Number of Medium Tube Wells			0
	f. Number of Deep Tube Wells			0
	g. Number of Filter Points			0
6	6.0. Growth Rate of bore wells in % per annum based on Average of Applications received for energisation and actual energized [APTransco]			2
6.1	6.1.Growth Rate of dug wells in % per annum based on random inventory of wells in 1% of the villages			0
7	Ground water Irrigation in Non-Command area ha. [for recharge from groundwater return flow 6.2 to 6.6].			
		Monsoon	Non-Mon	TOTAL
	1. Irrigated area under Paddy [Ha]	814	397	1211
	2. Irrigated area under Non- Paddy [Ha]	751	464	1215
	Irrigation under M.I. Sources in Non-Command area ha. [for recharge from groundwater return flow 6.2 to 6.6].			
		Monsoon	Non-Mon	TOTAL
	1. Irrigated area under Paddy	751	340	1091
	2. Irrigated area under Non- Paddy	1	1	1
18	Number of tanks and ponds with their water spread area in non-command area [7.3 & 7.4]			
	No. of Tanks			136
	Total Water spread area [ha]			1396
21	Number of artificial recharge structures in non-command area [7.3 & 7.4]			
	Number of percolation tanks			0
	Storage Capacity of all tanks (ha.m)			0
	Other recharge structures (specify)			
	Storage Capacity (ha.m) of all other structures			0
	Groundwater Availability as percent of rainfall			
	Availability as percent of rainfall			
	total rain			
	Annual gross draft			
	Allocation domestic & industrial water supply			

24	Water Table information for non- command area during a no. of GW years till the current GW year (14.6to 14.10)							
	Shamirpet		Bahadurpally				Average	
GW Year	Depth to water level bgl (m)		Depth to water level bgl (m)		Depth to water level bgl (m)		Depth to water level bgl (m)	
	pre monsoon	post monsoon	pre monsoon	post monsoon	pre monsoon	post monsoon	pre monsoon	post monsoon
	y (pre)	y (post)	y (pre)	y (post)	y (pre)	y (post)	y (pre)	y (post)
1993	13.40	2.80	8.15	4.00			10.78	3.40
1994	14.80	1.25	8.10	5.40			11.45	3.33
1995	14.60	1.70	7.30	1.60			10.95	1.65
1996	14.40	1.80	7.20	2.15			10.80	1.98
1997	14.45	3.30	9.30	5.10			11.88	4.20
1998	11.45	0.75	7.30	2.80			9.38	1.78
1999	11.71	2.30	6.70	5.15			9.21	3.73
2000	13.70	1.80	7.62	4.57			10.66	3.19
						Average	10.6	2.9
24.2	AVERAGE DEPTH TO WATER LEVEL [6.0 to 6.6] in NON-COMMAND AREA							
	Number of years considered							7
	Number of wells considered							2
	a.Pre monsoon depth to water level							10.64
	b.Post monsoon depth to water level							2.90

Pre monsoon water level trends



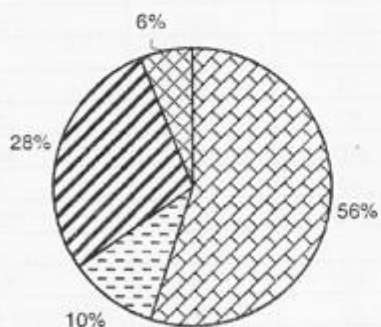
Post monsoon water level trends



## Summary of groundwater potential assessment in Medchal Basin

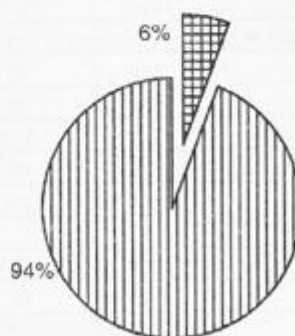
1	Area of the basin in hectares	17949		
		ha.m	mm	
	Normal rainfall in the basin	14996	836	
2	Recharge to groundwater through:	in ha.m	in mm	as% normal annual rainfall
	a monsoon rainfall	1618.5	90.2	10.79
	b non-monsoon rainfall	300.9	16.8	2.01
	c applied irrigation	835.9	46.6	5.57
	d surface water bodies (MI / PR tanks, etc)	180.9	10.1	1.21
	e artificial recharge structures	0.0	0.0	0.00
	Total recharge	2936.1	163.6	19.58
3	Net annual groundwater availability (Annual utilisable resource) ha.m	2642.5	147.2	17.6
4	Groundwater draft under different sectors			
	a Draft under irrigation sector	3021.3	168.3	20.1
	b Draft under domestic sector	91.7	5.1	0.6
	c Draft under industrial sector	90.0	5.0	0.6
	Current annual gross G W draft for all uses	3203.1	178.5	21.4
5	Annual allocation of G W for domestic and industrial water supply for projected demand at year 2025	189.0	10.5	1.3
6	Net annual G W availability for 'Future Irrigation Use'	Nil	0.0	0.0
7	Stage of development	121.2		
8	Category	Over developed		

**Recharge to groundwater through  
different sources**



- monsoon rainfall
- non-monsoon rainfall
- applied irrigation
- surface water bodies (MI / PR tanks, etc)
- artificial recharge structures

**Status of groundwater  
development**



- Annual allocation of G W for domestic and industrial water supply for projected demand at year 2025
- Draft under irrigation sector

**Village wise groundwater availability in Medchel basin of Ranga Reddy District, A.P.**

S.No	Village	Area in the basin	Net annual groundwater availability	Allocation for domestic and industrial needs	Gross Groundwater draft in the village for all uses	Groundwater draft in the village for irrigation	Balance groundwater available for future use (both domestic and Irrigation)	Balance groundwater available for future irrigation use
		ha	ha.m	ha.m	ha.m	ha.m	ha.m	ha.m
Mandal	MEDCHAL							
1	Nutankal	744	110	5	90	87	19	17
2	Masireddipalle (H)	226	33	1	48	46	-15	-14
3	Konaipalle(H)	160	24	1	29	27	-6	-5
4	Yellampet	501	74	3	57	55	17	15
5	Dabilpur	1022	151	12	219	215	-69	-77
6	Srirangavaram	926	136	8	42	40	94	89
7	Bandakunta(H)	121	18	0	10	10	8	8
8	Bandamadharam	391	58	3	167	165	-109	-110
9	Ativelli	747	110	6	156	152	-48	-47
10	Girmapur	656	97	6	95	92	1	-1
11	Railapur	374	55	2	203	201	-147	-148
12	Medchal	1352	199	46	97	83	102	70
13	Goudavalli	1137	167	10	136	133	31	24
14	Seethanguda	33	5	2	25	24	-20	-21
15	Kandla Koya	598	88	4	153	151	-65	-67
16	Somavaram	126	19	2	56	54	-38	-37
17	Ravalkolva	1920	283	9	378	376	-96	-102
18	Shahzadiguda(H)	179	26	4	45	44	-19	-21
19	Rajbollaram	149	22	5	131	129	-109	-112
20	Akbarjapet(H)	601	89	1	22	20	67	67
21	Ghanpur(H)	439	65	2	58	57	6	6
22	Pudur	1220	180	10	294	291	-114	-122
23	Gosaniquda (H)	89	13	1	36	34	-22	-22
24	Munirabad	289	43	5	29	27	13	10
25	Gundlapochampally	120	18	0	18	18	-1	-1
	Total	14124	2079	148	2599	2532	-519	-600
Mandal	QUTBULLAPUR							
26	Naguluru	279	41	2	14	14	27	26
27	Gagilapur	647	95	7	63	63	32	25
28	Dundigal	1828	269	23	205	187	64	59
29	Damarapochampally	195	29	6	23	18	6	5
	Total	2948	434	38	305	282	129	114
Mandal	SHAMIRPET							
30	Majodpur	134	20	3	103	101	-83	-84
31	Shamirpet	657	97	0	93	93	4	4
32	Yamjal	85	12	0	14	14	-1	-1
	Total	876	129	3	209	207	-80	-82
	Basin Total	17949	2643	189	3113	3021	-471	-568

## ANNEXURE – 4

### REVISION AND UPDATION TO THE STATE REPORT

Groundwater Resource Estimation in Andhra Pradesh was released on 15 July 2002 and subsequently, certain revisions were made based on updated field data. Minor refinements were also incorporated in the estimation procedures by the “Committee on the Methodology for Resources Estimation in Hard rock Terrain” appointed by Ministry of Water Resources, Government of India, in its third meeting held at New Delhi. Mainly, these changes are:

- a) Annual groundwater availability for future use is calculated as difference between the net annual groundwater availability and the utilisation of groundwater for all uses (termed as current gross annual groundwater draft for all uses). This was not reported in the earlier release.
- b) Annual groundwater allocation for domestic and industrial needs as projected at year 2025 (under column heading “annual allocation for domestic and industrial needs”) is replaced with *Demand for domestic and industrial needs at year 2025*, which is more appropriate.
- c) *Demand for domestic and industrial needs at year 2025* is based on:
  - i. Projected population for the year 2025 at 60 lpcd
  - ii. If the above value is less than the *current draft under the domestic and industrial needs*, the same is arrived by adding 20% to the current draft under the domestic and industrial needs.
- d) Net annual groundwater availability for future irrigation use is calculated by subtracting the sum of current annual draft for irrigation and the demand under the domestic and industrial needs at 2025 from the Net annual groundwater availability.

The above changes are adopted in this release. Besides, some assessment units were redefined in Guntur and Karimnagar district bringing down the number of units from 1195 to 1193. In Kurnool basins are re-named to make them more logical.



ANNEXURE - 5

**DISTRICT WISE DISTRIBUTION OF OUR  
EXPLOITED VILLAGES IN OVER EXPLOITED  
GROUND WATER BASINS**





**DISTRICT WISE DISTRIBUTION OF OVER EXPLOITED  
VILLAGES IN OVER EXPLOITED GROUNDWATER BASINS**

S. No.	District	No of Over exploited basins	No of Mandals covered by Over exploited villages	No of Over exploited villages in over exploited basins
1	Srikakulam	0	0	0
2	Vizianagaram	0	0	0
3	Visakhapatnam	1	2	4
4	East Godavari	0	0	0
5	West Godavari	8	13	132
6	Krishna	0	0	0
7	Guntur	0	0	0
8	Prakasam	6	8	28
9	Nellore	1	3	19
	<b>Coastal Total</b>	<b>16</b>	<b>26</b>	<b>183</b>
10	Anantapur	13	19	89
11	Chittoor	23	40	499
12	Cuddapah	15	21	133
13	Kurnool	1	2	5
	<b>Rayalaseema Total</b>	<b>52</b>	<b>82</b>	<b>726</b>
14	Mahaboobnagar	3	6	36
15	Rangareddy	9	18	112
16	Medak	2	5	45
17	Nizamabad	15	15	150
18	Adilabad	0	0	0
19	Karimnagar	5	6	38
20	Warangal	9	13	125
21	Khammam	2	3	9
22	Nalgonda	5	11	57
	<b>Telangana Total</b>	<b>50</b>	<b>77</b>	<b>572</b>
	<b>STATE TOTAL</b>	<b>118</b>	<b>185</b>	<b>1481</b>

**LIST OF OVER EXPLOITED VILLAGES IN  
OVER EXPLOITED BASINS OF ANDHRA PRADESH**

Sl.NO	Village	Mandal	Name of the basin
<b>VISAKHAPATNAM DISTRICT</b>			
1	Pedagadili	Visakhapatnam rural	Mudasarlova
2	Ari-lova	Visakhapatnam rural	Mudasarlova
3	Thotagaruvu	Visakhapatnam rural	Mudasarlova
4	Visakhapatnam urban	Visakhapatnam urban	Mudasarlova
<b>WEST GODAVARI DISTRICT</b>			
1	Brahmanagudem	Chagallu	Paletivagu
2	Kalavalapalli	Chagallu	Paletivagu
3	Ganijarla	Chintalapudi	Tammileru North-basinNC
4	Pragadavaram	Chintalapudi	Tammileru North-basinNC&Gunderu basin
5	Chintampalli	Chintalapudi	Yarrakalva -1
6	Amudalachal akka	Chintalapudi	Yarrakalva -1
7	Yarraguntapli	Chintalapudi	Yarrakalva -1
8	Gopalapuram	Chintalapudi	Yarrakalva -1
9	Ponukumadu	Chintalapudi	Yarrakalva -1
10	Gudipadukhandrika	Chintalapudi	Yarrakalva -1
11	Pattaigudem	Chintalapudi	Yarrakalva -1
12	Allipalli	Chintalapudi	Yarrakalva -1
13	Utasamudram	Chintalapudi	Yarrakalva -1
14	Sankuchakrapr	Chintalapudi	Yarrakalva -1
15	Laxminarsimha	Chintalapudi	Yarrakalva -1
16	Timmireddiplli	Chintalapudi	Yarrakalva -1
17	Rangaprm khand	Chintalapudi	Yarrakalva -1
18	Maddimutanagd	Chintalapudi	Yarrakalva -1
19	Tigalavan cha	Chintalapudi	Yarrakalva -1
20	Venkatadrigdm	Chintalapudi	Yarrakalva -1
21	Settivarigudem	Chintalapudi	Yarrakalva -1
22	Venkatapuram	Chintalapudi	Yarrakalva -1
23	Recharla	Chintalapudi	Yarrakalva -1
24	Dorasanipadu	D.Tirumala	Yarrakalva-2
25	IS Raghavaprm	D.Tirumala	Yarrakalva-2
26	Sriramavaram	Denduluru	Gunderu basin
27	Challapalli	Denduluru	Gunderu basin
28	Vegavaram	Denduluru	Gunderu basin
29	Medinaraopalem	Denduluru	Gunderu basin
30	Akkireddigudem	Denduluru	Gunderu basin
31	Kothapalli	Denduluru	Gunderu basin
32	Ch. Chintalapudi	Denduluru	Gunderu basin

Sl.NO	Village	Mandal	Name of the basin
33	Yadavolu	Devarapalli	Paletivagu
34	Yarnagudem	Devarapalli	Yarrakalva-2 & Paletivagu
35	chinnaigudem	Devarapalli	Paletivagu
36	Devulapali	Jangareddigudem	Yarrakalva -1
37	Lakkavaram	Jangareddigudem	Yarrakalva -1
38	Vegavaram	Jangareddigudem	Yarrakalva -1
39	Kannayagdm	Koyyalagudem	Paletivagu
40	Eduvadalapalem	Koyyalagudem	Paletivagu
41	Koyyalagudem	Koyyalagudem	Paletivagu
42	Dippakayalapadu	Koyyalagudem	Paletivagu
43	Rajavaram	Koyyalagudem	Yarrakalva-2 & Paletivagu
44	Kuntalagudem	Koyyalagudem	Paletivagu
45	Gavaravaram	Koyyalagudem	Paletivagu
46			
47	Singagudem	Lingapalem	Tammileru North-basinNC &Gunderu basin
48	Mulagalampadu	Lingapalem	Tammileru North-basinNC &Gunderu basin
49	Pochavaram	Lingapalem	Tammileru North-basinNC &Gunderu basin
50	Kalarayanagdm	Lingapalem	Tammileru North-basinNC
51	Dharmajigudem	Lingapalem	Tammileru North-basinNC
52	Rangapuram	Lingapalem	Tammileru North-basinNC &Gunderu basin
53	Ayyaparajugdm	Lingapalem	Tammileru North-basinNC
54	Bhogolu	Lingapalem	Gunderu basin
55	Mudicherla	Lingapalem	Gunderu basin
56	K. Gokavaram	Lingapalem	Gunderu basin
57	Pachanagaram	Lingapalem	Gunderu basin
58	Puppalavarigudem	Lingapalem	Gunderu basin
59	Vemulapalli	Lingapalem	Gunderu basin
60	Kothapalli	Lingapalem	Gunderu basin
61	Assannagudem	Lingapalem	Gunderu basin
62	Badarala	Lingapalem	Gunderu basin
63	Nallajarla	Nallajerla	Yarrakalva-2
64	Marellamudi	Nallajerla	Yarrakalva-2
65	Gundepalli	Nallajerla	Yarrakalva-2
66	Prakashraopalem	Nallajerla	Yarrakalva-2
67	Ananthapalli	Nallajerla	Yarrakalva-2
68	Veeravalli	Nallajerla	Yarrakalva-2
69	Cheepurugudem	Nallajerla	Yarrakalva-2
70	Chodavaram W	Nallajerla	Yarrakalva-2

Sl.NO	Village	Mandal	Name of the basin
71	Potavaram	Nallajerla	Paletivagu
72	Sanjivapuram	Nallajerla	Paletivagu
73	Medipalli	Nidadavolu	Paletivagu &Yarrakalva-2
74	Ravimetla	Nidadavolu	Paletivagu &Yarrakalva-2
75	Korumamidi	Nidadavolu	Yarrakalva-2 &Paletivagu
76	Singavaram	Nidadavolu	Yarrakalva-2
77	Tadimalla	Nidadavolu	Paletivagu &Yarrakalva-2
78	Surapuram	Nidadavolu	Paletivagu
79	Unakaramilli	Nidadavolu	Paletivagu &Yarrakalva-2
80	Sankarapuram	Nidadavolu	Paletivagu
81	Kokkirapadu	Pedapadu	Ramileru basin
82	Gogulapadu	Pedapadu	Ramileru basin
83	Pinakadimi	Pedavegi	Ramileru basin
84	Duggirala	Pedavegi	Ramileru basin
85	Singavaram	Pedavegi	Ramileru basin
86	Ramasingavaram	Pedavegi	Tammileru South basin &Gunderu basin
87	Munduru	Pedavegi	Gunderu basin
88	Jagannadhapuram	Pedavegi	Tammileru South basin
89	. Bapirajugudem	Pedavegi	Tammileru North-basinNC
90	Vanguru	Pedavegi	Tammileru South basin
91	Gokinapalli	Pedavegi	Tammileru South basin
92	Rayanapalem	Pedavegi	Tammileru South basin&Gunderu basin
93	Nadipalli	Pedavegi	Tammileru North-basinNC
94	Muttanaveedu	Pedavegi	Tammileru South basin
95	Pedavegi	Pedavegi	Tammileru South basin
96	Kondalaraopalem	Pedavegi	Tammileru North-basinNC &Tammileru South basin
97	Kavvakunta	Pedavegi	Gunderu basin
98	Vijayarai	Pedavegi	Tammileru South basin
99	Nyampalli	Pedavegi	Gunderu basin
100	K.Kannapuram	Pedavegi	Gunderu basin
101	Vegiwada	Pedavegi	Gunderu basin
102	T.Gokavaram	Pedavegi	Gunderu basin
103	Bethavaram	Pedavegi	Gunderu basin
104	Kavvagunta	Pedavegi	Tammileru South basin
105	Mylavarpuvarigdm	Pedavegi	Tammileru North-basinNC &Tammileru South basin
106	Chakrayagudem	Pedavegi	Gunderu basin

Sl.NO	Village	Mandal	Name of the basin
107	Krishnapuram	T.Narsapuram	Yarrakalva -1
108	A.C.Rajupalem	T.Narsapuram	Gunderu basin
109	Bandamcharla	T.Narsapuram	Yarrakalva -1
110	Gudlavalli	T.Narsapuram	Yarrakalva -1
111	Borrampalem	T.Narsapuram	Yarrakalva -1
112	Krishnaraopalem	T.Narsapuram	Yarrakalva -1
113	T.Narsapuram	T.Narsapuram	Yarrakalva -1
114	Tirumaladevipeta	T.Narsapuram	Yarrakalva -1
115	Rajupotepalli	T.Narsapuram	Yarrakalva -1
116	Kethavaram	T.Narsapuram	Yarrakalva -1
117	Lingaraopalem	T.Narsapuram	Yarrakalva -1
118	AchRajupalem	T.Narsapuram	Yarrakalva -1
119	Vallampatla	T.Narsapuram	Yarrakalva -1
120	Ramannapalem	T.Narsapuram	Yarrakalva -1
121	Epigunta	T.Narsapuram	Yarrakalva -1
122	Guruvaigudem	T.Narsapuram	Yarrakalva -1
123	Kollivarigudem	T.Narsapuram	Yarrakalva -1
124	Tedlem	T.Narsapuram	Yarrakalva -1
125	Velagapadu	T.Narsapuram	Yarrakalva -1
126	Venkatramangdm	Tadepalligudem	Tadepalligudem Basin
127	kadiadda	Tadepalligudem	Tadepalligudem Basin
128	Kunchinapalli	Tadepalligudem	Tadepalligudem Basin
129	Apparaopet	Tadepalligudem	Tadepalligudem Basin & Yarrakalva-2
130	Kondrupolu	Tadepalligudem	Tadepalligudem Basin
131	Madhavaram	Tadepalligudem	Yarrakalva-2
132	Jaganadhapuram	Tadepalligudem	Yarrakalva-2
<b>PRAKASAM DISTRICT</b>			
1	Kakarla	Arthaveedu	GKCB-1
2	Maguturu	Arthaveedu	GKCB-1
3	Basinepalli	Bestavaripet	Vemuleru
4	Poosalapadu	Bestavaripet	Vemuleru
5	P-Venkatapuram	Bestavaripet	Vemuleru
6	Kandulapuram	Cumbum	GKCB-1
7	Cumbum	Cumbum	GKCB-1
8	Jangamguntia	Cumbum	GKCB-1
9	Hajarat gudem	Cumbum	GKCB-1
10	Bondalapadu	Markapur	GKCB-1
11	Bhupathipalli	Markapur	GKCB-1
12	Malyavanthunipadu	Markapur	GKCB-1
13	Jammanapalli	Markapur	GKCB-3
14	Badekhanpet	Markapur	GKCB-1

Sl.NO	Village	Mandal	Name of the basin
15	Nikarampalli	Markapur	GKCB-3
16	Gottipadia	Markapur	GKCB-3
17	Kalanuthala	Peddaraveedu	GKCB-3
18	Sunkesula	Peddaraveedu	GKCB-3
19	Ramabhadrapuram	Talluru	Dornapuvagu
20	Lellapalli	Tripuranthakam	GKCB-6
21	Ramasamudram	Tripuranthakam	GKCB-6
22	Gurrapusala	Yerragondapalem	GKCB-4
23	Gangapalem	Yerragondapalem	GKCB-4
24	Gurijapalli	Yerragondapalem	GKCB-4
25	Amanigudipadu	Yerragondapalem	GKCB-4
26	S.Boyalapalli	Yerragondapalem	GKCB-4
27	Gollavidipi	Yerragondapalem	GKCB-4
28	Boyalapalli	Yerragondapalem	GKCB-4
<b>NELLORE DISTRICT</b>			
1	Mudivartipalem	Indukurupeta	Lower Pennar-72-14
2	Mypadu	Indukurupeta	Lower Pennar-72-14
3	Swamrajapalli	Indukurupeta	Lower Pennar-72-14
4	Komarika	Indukurupeta	Lower Pennar-72-14
5	Punnur	Indukurupeta	Lower Pennar-72-14
6	Nidumusali	Indukurupeta	Lower Pennar-72-14
7	Leburu	Indukurupeta	Lower Pennar-72-14
8	Jangamvani Doruvu	Indukurupeta	Lower Pennar-72-14
9	Pogadadoruvu kandriga	Indukurupeta	Lower Pennar-72-14
10	Pedacherukuru	Nellore rural	Lower Pennar-72-14
11	Allipuram	Nellore rural	Lower Pennar-72-14
12	Vedayapalem	Nellore rural	Lower Pennar-72-14
13	Vogurupadu	Nellore rural	Lower Pennar-72-14
14	Kotapalem(40%)	T.P.Gudur	Lower Pennar-72-14
15	Potlapudi	T.P.Gudur	Lower Pennar-72-14
16	China Cherukur(70%)	T.P.Gudur	Lower Pennar-72-14
17	Munagaladoruvu	T.P.Gudur	Lower Pennar-72-14
18	Narukuru	T.P.Gudur	Lower Pennar-72-14
19	Peduru	T.P.Gudur	Lower Pennar-72-14
<b>ANANTAPUR DISTRICT</b>			
1	Agali	Agali	Agali-Dodderi
2	Byadegari	Agali	Agali-Dodderi
3	Inagaluru	Agali	Agali-Dodderi
4	Madhudi	Agali	Agali-Dodderi
5	Narasambudi	Agali	Agali-Dodderi
6	Unthakallu	Bommanahal	S.Puram-Banduru

Sl.NO	Village	Mandal	Name of the basin
7	Brahmanapalli	C.K.palli	C.R.Palli-G.R.Palli
8	C.K.palli	C.K.palli	Gondipalli-Dharmavaram
9	Ganginepalli	C.K.palli	Gondipalli-Dharmavaram &C.R.Palli-G.R.Palli
10	Kanumukkala	C.K.palli	Gondipalli-Dharmavaram
11	Medapuram	C.K.palli	Gondipalli-Dharmavaram &C.R.Palli-G.R.Palli
12	Puletipalli	C.K.palli	Gondipalli-Dharmavaram &C.R.Palli-G.R.Palli
13	Veldurthi	C.K.palli	Gondipalli-Dharmavaram
14	D.Hirehal	D.Hirehal	S.Puram-Banduru
15	Dodagatta	D.Hirehal	Mallapuram-Kadlur & Hanumapuram-Sreedhargatta
16	H.Hosahalli	D.Hirehal	S.Puram-Banduru
17	H.Siddapuram	D.Hirehal	S.Puram-Banduru
18	Hullikal	D.Hirehal	Mallapuram-Kadlur
19	Jajrakal	D.Hirehal	S.Puram-Banduru
20	Lingamanhalli	D.Hirehal	S.Puram-Banduru
21	Madanahalli	D.Hirehal	S.Puram-Banduru
22	Muradi	D.Hirehal	
23	Nagalapuram	D.Hirehal	S.Puram-Banduru
24	Obulapuram	D.Hirehal	S.Puram-Banduru
25	Somalapuram	D.Hirehal	Mallapuram-Kadlur &S.Puram-Banduru
26	Buddareddipalli	Dharmavaram	C.R.Palli-G.R.Palli
27	Elukuntla	Dharmavaram	C.R.Palli-G.R.Palli
28	Belodu	Gummagatta	Hosahalli-Veparala &Rayadurg-Kalugodu
29	Galagala	Gummagatta	Rayadurg-Kalugodu
30	Gollapalli	Gummagatta	Rayadurg-Kalugodu
31	Gummagatta	Gummagatta	Rayadurg-Kalugodu
32	Kalugodu	Gummagatta	Rayadurg-Kalugodu
33	Pulakunta	Gummagatta	Rayadurg-Kalugodu
34	Rangasamudram	Gummagatta	Rayadurg-Kalugodu
35	Tallakera	Gummagatta	Rayadurg-Kalugodu
36	Ganigera	Kanekal	Hanumapuram-Sreedhargatta
37	Hulikera	Kanekal	Hosahalli-Veparala &Nallampalli-Brahmasamudram
38	Kanekal	Kanekal	Nallampalli-Brahmasamudram
39	Rachumarri	Kanekal	Nallampalli-Brahmasamudram



Sl.NO	Village	Mandal	Name of the basin
40	Yerraguntla	Kanekal	Hanumapuram-Sreedhargatta & Nallampalli-Brahmasamudram
41	Kanchisamudram	Lepakshi	Bupasamudram-S.R.Palli
42	Kodihalli	Lepakshi	Bupasamudram-S.R.Palli
43	Mydugolam	Lepakshi	Bupasamudram-S.R.Palli
44	Sirivaram	Lepakshi	Bupasamudram-S.R.Palli
45	Nakkalaguttapalli	Mudigubba	C.R.Palli-G.R.Palli
46	Venkatampalli	Narpala	Obulapuram-P.Polamada
47	Amaladinne	Peddapappur	Obulapuram-P.Polamada
48	Chagallu	Peddapappur	Obulapuram-P.Polamada
49	Chinnayekkaluru	Peddapappur	Padavakottalu-Kummeta
50	Devanuppalapadu	Peddapappur	Padavakottalu-Kummeta
51	Dharmapuram	Peddapappur	Padavakottalu-Kummeta
52	Dharmavaram	Peddapappur	Obulapuram-P.Polamada
53	Garladinne	Peddapappur	Padavakottalu-Kummeta
54	Kummeta	Peddapappur	Padavakottalu-Kummeta
55	Mutchukota	Peddapappur	Obulapuram-P.Polamada
56	Pasaluru	Peddapappur	Padavakottalu-Kummeta
57	Peddapappur	Peddapappur	Obulapuram-P.Polamada
58	Pedayekkaluru	Peddapappur	Padavakottalu-Kummeta
59	Tabujula	Peddapappur	Padavakottalu-Kummeta & Obulapuram-P.Polamada
60	Konapuram	Peddavaduguru	Padavakottalu-Kummeta & Kotapalli-Tootrallapalli
61	Kristipadu	Peddavaduguru	Kotapalli-Tootrallapalli
62	Duddebanda	Penukonda	Gondipalli-Dharmavaram
63	Gondipalli	Penukonda	Gondipalli-Dharmavaram
64	Gotluru	Penukonda	Gondipalli-Dharmavaram
65	Arakatavemula	Putlur	Obulapuram-P.Polamada
66	Kandikapula	Putlur	Obulapuram-P.Polamada
67	Komatikuntla	Putlur	Obulapuram-P.Polamada
68	74 Udegolam	Rayadurg	Rayadurg-Kalugodu
69	Avuladatla	Rayadurg	Hosahalli-Veparala
70	Baginayakanahalli	Rayadurg	Hosahalli-Veparala
71	Bondanahal	Rayadurg	Rayadurg-Kalugodu & Mallapuram-Kadlur
72	Chadam	Rayadurg	Mallapuram-Kadlur
73	D.Kondapuram	Rayadurg	Hosahalli-Veparala

Sl.NO	Village	Mandal	Name of the basin
74	Gramadatla	Rayadurg	Hosahalli-Veparala, Hanumapuram-Sreedhargatta, Mallapuram-Kadlur & Nallampalli Brahmasamudram
75	Kontanahalli	Rayadurg	Rayadurg-Kalugodu & Mallapuram-Kadlur
76	Mallapuram	Rayadurg	Mallapuram-Kadlur
77	Mechiri	Rayadurg	Mallapuram-Kadlur
78	Nagireddipalli	Rayadurg	Hosahalli-Veparala
79	Rayadurg	Rayadurg	Rayadurg-Kalugodu
80	Dodderi	Rolla	Agali-Dodderi
81	Kaki	Rolla	Agali-Dodderi
82	Thumbinakunta	Rolla	Agali-Dodderi
83	Korivipalli	Singanamala	Obulapuram-P.Polamada
84	Ullikallu	Singanamala	Obulapuram-P.Polamada
85	Rayalacheruvu	Yadiki	Kotapalli-Too-trallapalli
86	Chandana	Yadiki	Kotapalli-Too-trallapalli
87	Thutrallapalli	Yadiki	Padavakottalu-Kummata & Kotapalli-Too-trallapalli
88	Yadiki	Yadiki	Padavakottalu-Kummata & Kotapalli-Too-trallapalli
89	Chilamakur	Yellanur	Obulapuram-P.Polamada
<b>CHITTOOR DISTRICT</b>			
1	G.kattamanchi	Bangarupalem	Niva
2	Kurmaipalli	Bangarupalem	Niva
3	Mahasamudram	Bangarupalem	Niva
4	Treddipalli	C.g.gallu	Mangalampeta-Chintalavanka
5	Mittapalem	Chandragiri	Kalyani
6	Thondavada	Chandragiri	Royalcheruvu
7	Agarala	Chandragiri	Royalcheruvu
8	Reddivaripalli	Chandragiri	Royalcheruvu
9	Narasingapuram	Chandragiri	Kalyani
10	Gandlapalli	Chittoor	Niva
11	Mangasamudram	Chittoor	Niva
12	Thummindkapalem	Chittoor	Gudipala
13	T.samudram	Chittoor	Niva
14	Settiappanthangal	Chittoor	Gudipala
15	Tenabanda	Chittoor	Niva
16	Talambedu	Chittoor	Gudipala

Sl.NO	Village	Mandal	Name of the basin
17	Chittoor	Chittoor	Niva
18	Kurchivedu	Chittoor	Gudipala
19	Ananthapuram	Chittoor	Gudipala
20	Doddipalli	Chittoor	Niva
21	Murakambattu	Chittoor	Niva
22	Alakurupalli	Chittoor	Gudipala
23	Chinnavepanjeri	G.d.nellore	G.d.nellore
24	Mukkalathuru	G.d.nellore	G.d.nellore
25	Ellapalli	G.d.nellore	G.d.nellore
26	100,gollapalli	G.d.nellore	G.d.nellore
27	Vepanjeri	G.d.nellore	G.d.nellore
28	Varathuru	G.d.nellore	G.d.nellore
29	Kotrakona	G.d.nellore	Niva
30	Vejjupalli	G.d.nellore	G.d.nellore
31	Nellepalli	G.d.nellore	G.d.nellore
32	Murtinayanipalli	G.d.nellore	G.d.nellore
33	Errabodireddipalli	G.d.nellore	G.d.nellore
34	Velkuru	G.d.nellore	Gudipala
35	Agaramangalam	G.d.nellore	G.d.nellore
36	Atmakuru	G.d.nellore	G.d.nellore
37	Bujjinayanipalli	G.d.nellore	G.d.nellore
38	Peddakalva	G.d.nellore	Gudipala
39	P.venkatapuram	G.d.nellore	G.d.nellore
40	Nallarallapalli	G.d.nellore	G.d.nellore
41	Gundyallu	Gangavaram	Peddapanjani vanka
42	Parupattur	Gangavaram	Peddapanjani vanka
43	190 ramapuram	Gudipala	Gudipala
44	Nangamangalam	Gudipala	Gudipala
45	13,gollapalli	Gudipala	Gudipala
46	Kaidugani kandriga	Gudipala	Gudipala
47	Papasamudram	Gudipala	Gudipala
48	Bandarlapalli	Gudipala	Gudipala
49	Kothapalle	Gudipala	Gudipala
50	Gudipala	Gudipala	Gudipala
51	Lakshmambapuram	Gudipala	Gudipala
52	Venkatalakshmambapu	Gudipala	Gudipala
53	Krishnajammapuram	Gudipala	Gudipala
54	Basavapalli	Gudipala	Gudipala
55	Bandapalli	Gudipala	Gudipala
56	Cm kandriga	Gudipala	Gudipala
57	Db palli	Gudipala	Gudipala
58	Marakalakuppam	Gudipala	Gudipala
59	Kuppiganipalli	Gudipala	Gudipala
60	Vasanthapuram	Gudipala	Gudipala
61	A.I.puram	Gudipala	Gudipala

Sl.NO	Village	Mandal	Name of the basin
62	197.ramapuram	Gudipala	Gudipala
63	Muthukurupalli	Gudipala	Gudipala
64	Bommasamudram	Gudipala	Gudipala
65	Mogaralapalli	Gudipala	Gudipala
66	Ragimanupatteda	Gudipala	Gudipala
67	Srirangampalli	Gudipala	Gudipala
68	Kammathimmapalli	Gudipala	Gudipala
69	Pasumanda part	Gudipala	Gudipala
70	Tali agraharam	Gudupalli	Chinna Eru
71	Kanamanapalli	Gudupalli	Kuppam vanka
72	Athinatham	Gudupalli	Kuppam vanka
73	Sonnanapalli	Gudupalli	Kuppam vanka
74	Nakkanapalli	Gudupalli	Kuppam vanka
75	Sivigiripalli	Gudupalli	Kuppam vanka
76	Lingapuramdinne	Gudupalli	Kuppam vanka
77	Asaram	Gudupalli	Kuppam vanka
78	Vengapalli	Gudupalli	Kuppam vanka
79	Gudupalli	Gudupalli	Kuppam vanka
80	Kuppuganipalli	Gudupalli	Kuppam vanka
81	Chinnagollapalle	Gudupalli	Kuppam vanka
82	Thimmanayanipalli	Gudupalli	Kuppam vanka
83	Dinnepalli	Gudupalli	Kuppam vanka
84	Annagarlapalli	Gudupalli	Kuppam vanka
85	Yamaganipalli	Gudupalli	Kuppam vanka
86	115 settipalle	Gudupalli	Kuppam vanka
87	Bisanatham	Gudupalli	Kuppam vanka
88	Gundlasagaram	Gudupalli	Kuppam vanka
89	Nalagampalli	Gudupalli	Kuppam vanka
90	Bessilapathi	Gudupalli	Kuppam vanka
91	Kakinayani chigarlap	Gudupalli	Kuppam vanka
92	Vontipalli	Gudupalli	Kuppam vanka
93	Peddagollapalli	Gudupalli	Kuppam vanka
94	Kotachembagiri	Gudupalli	Kuppam vanka
95	Mudigolam	Irala	Gargeyavanka
96	Pullur	Irala	Gargeyavanka
97	Chenganapalli	Irala	Gargeyavanka
98	Kotarvedu	Karvetinagar	Karvetinagaram
99	Makamambavilasapura	Karvetinagar	Karvetinagaram
100	Iduvaripalli	Karvetinagar	Karvetinagaram
101	Yerramarajupalli	Karvetinagar	Kundeti vanka
102	Alathur	Karvetinagar	Karvetinagaram
103	Rkvb peta	Karvetinagar	Karvetinagaram
104	Kesavakupam	Karvetinagar	Karvetinagaram
105	Gadanki	Karvetinagar	Kundeti vanka
106	Kollagunta	Karvetinagar	Karvetinagaram

SI.NO	Village	Mandal	Name of the basin
107	Km puram	Karvetinagar	Karvetinagaram
108	Gopisettipalli	Karvetinagar	Karvetinagaram
109	Kotharapalli	Karvetinagar	Karvetinagaram
110	Annur	Karvetinagar	Karvetinagaram
111	Krishnasamudram	Karvetinagar	Karvetinagaram
112	Krishnadasanapalli	Kuppam	Chinna Eru
113	Nadimuru	Kuppam	Chinna Eru
114	Vurinayanipalli	Kuppam	Chinna Eru
115	Adivimolakalapalli	Kuppam	Chinna Eru
116	Adavibuduguru	Kuppam	Chinna Eru
117	Jarugu	Kuppam	Chinna Eru
118	Enjanuru	Kuppam	Kuppam vanka
119	Peddaboggupalli	Kuppam	Chinna Eru
120	Marepalli	Kuppam	Chinna Eru
121	C.b.nattam	Kuppam	Kuppam vanka
122	Vurlaobanapalli	Kuppam	Chinna Eru
123	Gudlanayanipalli	Kuppam	Chinna Eru
124	Kathimanipalli	Kuppam	Kuppam vanka
125	Vurinayanikothuru	Kuppam	Chinna Eru
126	Chinnaboggupalli	Kuppam	Chinna Eru
127	Yanadipalli	Kuppam	Chinna Eru
128	Chekkannatham	Kuppam	Chinna Eru
129	T.chadumuru	Kuppam	Chinna Eru
130	Kanamapacherlapalli	Kuppam	Chinna Eru
131	Bandasettipalli	Kuppam	Kuppam vanka
132	Kakimadugu	Kuppam	Chinna Eru
133	Bevanapalli	Kuppam	Chinna Eru
134	Gottappanagaripalli	Kuppam	Chinna Eru
135	Mittapalle	Kuppam	Chinna Eru
136	Paipalyam	Kuppam	Chinna Eru
137	Sajjalapalle	Kuppam	Chinna Eru
138	P.b.nattam	Kuppam	Kuppam vanka
139	Ponnanguru	Kuppam	Chinna Eru
140	Ekarlapalli	Kuppam	Kuppam vanka
141	Chinnakurabalapalli	Kuppam	Kuppam vanka
142	Kunjaganuru	Kuppam	Chinna Eru
143	Kupam	Kuppam	Kuppam vanka
144	Samaguttapalli	Kuppam	Kuppam vanka
145	Mettakadinuru	Kuppam	Chinna Eru
146	Sigalapalli	Kuppam	Kuppam vanka
147	Vasarapadu	Kuppam	Chinna Eru
148	Peddagopanapalli	Kuppam	Chinna Eru
149	Gogunuru	Kuppam	Chinna Eru
150	Kothapalli	Kuppam	Chinna Eru
151	Varanadu gollapalli	Kuppam	Chinna Eru
152	Nimmakampalle	Kuppam	Chinna Eru
153	Bairuganipalli	Kuppam	Kuppam vanka

Sl.NO	Village	Mandal	Name of the basin
154	Guttapalle	Kuppam	Kuppam vanka
155	Molakalapalli	Kuppam	Chinna Eru
156	Kamathanuru	Kuppam	Kuppam vanka
157	Boggupalli	Kuppam	Kuppam vanka
158	Gudlakadiri palli	Kuppam	Chinna Eru
159	Srinivasapuram	Kvb puram	Arani-part1
160	Bandamidakampalli	Madanapalli	Regadakalva
161	Malepadu	Madanapalli	Regadakalva
162	Madanapalli	Madanapalli	Regadakalva
163	Teneegalavandlapalli	Madanapalli	Regadakalva
164	Ponnetipalem	Madanapalli	Regadakalva
165	Basinikonda	Madanapalli	Regadakalva
166	Ankisettipalli	Madanapalli	Regadakalva
167	Valasapalli	Madanapalli	Regadakalva
168	Kampalli	Madanapalli	Regadakalva
169	Chippili	Madanapalli	Regadakalva
170	Venkappakota	Madanapalli	Regadakalva
171	Molakaladinne	Madanapalli	Regadakalva
172	Papireddigaripalli	Madanapalli	Regadakalva
173	Mudipalli	Nagari	Nagari
174	Mittapalem	Nagari	Nagari
175	Kakaredu	Nagari	Nagari
176	Jr kandriga	Nagari	Nagari
177	O.g.kuppam	Nagari	Nagari
178	Nagari	Nagari	Nagari
179	Mangadu	Nagari	Nagari
180	Nagarajakuppam	Nagari	Nagari
181	Nettamkandriga	Nagari	Nagari
182	Melapattu	Nagari	Nagari
183	104 agaram	Nagari	Nagari
184	Jadukupeta	Nagari	Nagari
185	Kalepattu	Nagari	Nagari
186	Ekambarakuppam	Nagari	Nagari
187	Srn agraharam	Nagari	Nagari
188	Srinivasapuram	Nagari	Nagari
189	Salvapatteda	Nagari	Nagari
190	Vnr peta	Nagari	Nagari
191	Saraswathivilasapuram	Nagari	Nagari
192	Velavadi	Nagari	Nagari
193	Terami	Nagari	Nagari
194	Tvb puram	Nagari	Nagari
195	Tiruvattam	Narayanavanam	Arani-part1
196	Erikambattu	Narayanavanam	Arani-part1
197	Venkatakrisna-palem	Narayanavanam	Arani-part1

Sl.NO	Village	Mandal	Name of the basin
198	Tumburu	Narayanavanam	Arani-part1
199	Palamangalam	Narayanavanam	Arani-part1
200	Kilapuram	Narayanavanam	Arani-part1
201	Diguvakanakampalem	Narayanavanam	Arani-part1
202	Bimunicheruvu	Narayanavanam	Arani-part1
203	Kalyanapuram	Narayanavanam	Arani-part1
204	Ippam thangal	Narayanavanam	Arani-part1
205	Kondacheruvu	Narayanavanam	Arani-puttur
206	Samudayam	Narayanavanam	Arani-part1
207	Narayanavanam	Narayanavanam	Arani-part1
208	Machireddigaripalli	Nimmanapalli	Regadakalva
209	Iruguvay	Nindra	Nagari
210	Nindra	Nindra	Arani-sivagiri
211	Kunemarajupalem	Nindra	Arani-sivagiri
212	Elakatur	Nindra	Arani-sivagiri
213	Padiri	Nindra	Arani-sivagiri
214	Kavanur	Nindra	Arani-part1
215	Sriramapuram	Nindra	Arani-part1
216	Kacharavedu	Nindra	Arani-sivagiri
217	Aruru	Nindra	Arani-sivagiri
218	Agaram	Nindra	Arani-sivagiri
219	Koppedu	Nindra	Arani-part1
220	Netteri	Nindra	Arani-sivagiri
221	Gangamambapuram	Palasamudram	Palasamudram
222	Narasimhapuram	Palasamudram	Palasamudram
223	Krishnajammapuram	Palasamudram	Palasamudram
224	Vengalrajukuppam	Palasamudram	Palasamudram
225	Palasamudram	Palasamudram	Palasamudram
226	Simbarajapuram	Palasamudram	Palasamudram
227	Siddiraju rangaraju kan	Palasamudram	Palasamudram
228	Allapalagunta	Palasamudram	Palasamudram
229	Manidimala	Palasamudram	Palasamudram
230	Balakrishnapuram	Palasamudram	G.d.nellore
231	Matavalem	Palasamudram	Palasamudram
232	Muthukuru	Peddapanjani	Peddapanjani vanka
233	Sivadi	Peddapanjani	Peddapanjani vanka
234	Mudarampalli	Peddapanjani	Peddapanjani vanka
235	Appinepalli	Peddapanjani	Peddapanjani vanka
236	Satambakam	Penumur	G.d.nellore
237	Mopireddipalli	Penumur	G.d.nellore
238	Kaligiri	Penumur	G.d.nellore
239	Chinnamareddi kandrig	Penumur	G.d.nellore
240	Pulikallu	Penumur	G.d.nellore

Sl.NO	Village	Mandal	Name of the basin
241	Guntipalli	Penumur	G.d.nellore
242	Charvaganiaplli	Penumur	G.d.nellore
243	Chinnasamudram agra	Penumur	G.d.nellore
244	Kondamaagraharam	Penumur	G.d.nellore
245	Doddipalli	Piler	Pincha
246	Agraharam	Piler	Pincha
247	Karur (krishnagiri)	Pitchatur	Arani-sivagiri
248	Pitchatur	Pitchatur	Arani-part1
249	Kilapudi	Pitchatur	Arani-part1
250	Reppalapattu	Pitchatur	Arani-sivagiri
251	Kilapudi	Pitchatur	Arani-sivagiri
252	Pitchaturu	Pitchatur	Arani-sivagiri
253	Vengalathur	Pitchatur	Arani-sivagiri
254	Ramapuram	Pitchatur	Arani-sivagiri
255	Velur	Pitchatur	Arani-sivagiri
256	Niruvoy	Pitchatur	Arani-sivagiri
257	V.dasarlappalli	Pulicharla	Pincha
258	Vanamaladinne	Punganur	Ramasamudram
259	Mangalam	Punganur	Ramasamudram
260	Palempalli	Punganur	Regadakalva
261	Yetavakili	Punganur	Ramasamudram
262	Petagraharam	Puthalapattu	Gargeyavanka
263	Palakuru	Puthalapattu	Gargeyavanka
264	Puthalapattu	Puthalapattu	Gargeyavanka
265	Iswarapuram	Puttur	Arani-puttur
266	Goundapalem	Puttur	Arani-puttur
267	Nandimangalam	Puttur	Arani-part1
268	Gollapalle	Puttur	Arani-puttur
269	Kasimkuppam	Puttur	Arani-puttur
270	Sirusurajupuram	Puttur	Arani-puttur
271	Tirumalakuppam	Puttur	Arani-part1
272	Parameswaramanglam	Puttur	Arani-part1
273	Cherlopalli	Puttur	Arani-puttur
274	Kmagraharam	Puttur	Arani-puttur
275	Puttur	Puttur	Arani-part1
276	Vepagunta	Puttur	Arani-part1
277	Turur	Puttur	Arani-puttur
278	Neranur	Puttur	Arani-puttur
279	Puttur	Puttur	Arani-puttur
280	Taduku	Puttur	Arani-puttur
281	Uttarapakandriga	Puttur	Arani-part1
282	Virapureddipalem	Puttur	Arani-part1



Sl.NO	Village	Mandal	Name of the basin
283	Kuppam badur	R.c.puram	Kuppambadur vanka
284	Nannur	R.c.puram	Royalcheruvu
285	Kammapalle	R.c.puram	Kuppambadur vanka
286	Nettakuppam	R.c.puram	Royalcheruvu
287	C.ramapuram	R.c.puram	Royalcheruvu
288	Rayalacheruvu-peta	R.c.puram	Royalcheruvu
289	Nadavalur	R.c.puram	Royalcheruvu
290	K.venkatapuram	R.c.puram	Royalcheruvu
291	Bramhanakalva	R.c.puram	Kuppambadur vanka
292	Gangireddipalli	R.c.puram	Royalcheruvu
293	Ravillavaripalle	R.c.puram	Kuppambadur vanka
294	C.kalepalli	R.c.puram	Royalcheruvu
295	Sevvaikalva	R.c.puram	Royalcheruvu
296	P.v.puram	R.c.puram	Royalcheruvu
297	Sorakayalapalem	R.c.puram	Royalcheruvu
298	Singasamudram	Ramakuppam	Thotlacheruvu
299	Jowkupalli	Ramakuppam	Thotlacheruvu
300	Bandarlapalli	Ramakuppam	Thotlacheruvu
301	Bandalagunta	Ramakuppam	Thotlacheruvu
302	Kadasinakupam	Ramakuppam	Thotlacheruvu
303	Chennareddipalli	Ramakuppam	Thotlacheruvu
304	Reddivaripadu	Ramakuppam	Thotlacheruvu
305	Vijilapuram	Ramakuppam	Thotlacheruvu
306	Ramakuppam mandal	Ramakuppam	Thotlacheruvu
307	Kempasamudram	Ramakuppam	Thotlacheruvu
308	Kilakipadu	Ramakuppam	Thotlacheruvu
309	Peddur	Ramakuppam	Thotlacheruvu
310	Virnamala	Ramakuppam	Thotlacheruvu
311	Kenchanaballa	Ramakuppam	Thotlacheruvu
312	Peddiganipalle	Ramakuppam	Thotlacheruvu
313	Battavaripalli	Ramakuppam	Thotlacheruvu
314	Goundapalle	Ramakuppam	Thotlacheruvu
315	Muddanapalli	Ramakuppam	Thotlacheruvu
316	Krishnapuram dinne	Ramakuppam	Thotlacheruvu
317	Vusiniganipalli	Ramakuppam	Thotlacheruvu
318	Papireddivuru	Ramakuppam	Thotlacheruvu
319	Balaobanapalli	Ramakuppam	Thotlacheruvu
320	Thimmasamudram	Ramakuppam	Thotlacheruvu
321	Ankireddipalle	Ramakuppam	Thotlacheruvu
322	Athikuppam	Ramakuppam	Thotlacheruvu
323	Pamuboyanapalli	Ramakuppam	Thotlacheruvu
324	Giddapalle	Ramakuppam	Thotlacheruvu
325	R.nadimpalli	Ramasamudram	Ramasamudram
326	Kappalle	Ramasamudram	Ramasamudram
327	Arikala	Ramasamudram	Ramasamudram

Sl.NO	Village	Mandal	Name of the basin
328	Kuduruchimanapalli	Ramasamudram	Ramasamudram
329	Ramasamudram	Ramasamudram	Ramasamudram
330	Chembakur	Ramasamudram	Ramasamudram
331	Surappakasam	Renigunta	Kuppambadur vanka
332	Jipalem	Renigunta	Kuppambadur vanka
333	Atturu	Renigunta	Kuppambadur vanka
334	Adusupalem	Renigunta	Kuppambadur vanka
335	Tandlam	Renigunta	Kuppambadur vanka
336	Tandalem	Renigunta	Kuppambadur vanka
337	Nallapalem	Renigunta	Kuppambadur vanka
338	Kotramangalam	Renigunta	Kuppambadur vanka
339	Tataiah kalva	Renigunta	Kuppambadur vanka
340	Molagamudi	Renigunta	Kuppambadur vanka
341	Ammavaripatteda	Renigunta	Kuppambadur vanka
342	Krishnakalva	Renigunta	Kuppambadur vanka
343	Kurukalva	Renigunta	Kuppambadur vanka
344	Voddipalli	S.r.puram	S.r.puram vanka
345	Katikapalli	S.r.puram	G.d.nellore
346	Donnibumireddy	S.r.puram	S.r.puram vanka
347	Giddamarajapuram	S.r.puram	S.r.puram vanka
348	Narasimharaja-puram	S.r.puram	S.r.puram vanka
349	Basivireddipalli	S.r.puram	S.r.puram vanka
350	Kannikapuram	S.r.puram	S.r.puram vanka
351	Chinna jayaram	S.r.puram	S.r.puram vanka
352	Kotarlapalli	S.r.puram	G.d.nellore
353	Venkatapuram	S.r.puram	Kundeti vanka
354	Nellepalli	S.r.puram	S.r.puram vanka
355	S.r.puram	S.r.puram	S.r.puram vanka
356	Peddakondepalli	S.r.puram	S.r.puram vanka
357	Muddikuppam	S.r.puram	Kundeti vanka
358	Jangalapalli	S.r.puram	S.r.puram vanka
359	Basireddipalli	S.r.puram	G.d.nellore
360	Ssr puram	S.r.puram	S.r.puram vanka
361	Tatimakulapalli	S.r.puram	S.r.puram vanka
362	Machalamarri	S.r.puram	S.r.puram vanka
363	Kannikapuram	S.r.puram	S.r.puram vanka
364	Durgarajapuram	S.r.puram	S.r.puram vanka
365	Marripalli u.k.	S.r.puram	G.d.nellore
366	Padmapuram	S.r.puram	S.r.puram vanka
367	Pillarikuppam	S.r.puram	S.r.puram vanka
368	Nelavai	S.r.puram	Kundeti vanka
369	Kottapalli	S.r.puram	G.d.nellore
370	Arimakulapalli	S.r.puram	S.r.puram vanka
371	Ripunjayaraja-puram	S.r.puram	S.r.puram vanka
372	Chokkamadugu	S.r.puram	Kundeti vanka
373	Suprarajapuram	S.r.puram	S.r.puram vanka

Sl.NO	Village	Mandal	Name of the basin
374	Chillamakulapalli	S.r.puram	Kundeti vanka
375	Pillarikuppam	S.r.puram	Kundeti vanka
376	D.tippanapalli	Santhipuram	Kuppam vanka
377	Patnam	Thavanampalli	Niva
378	Nellisettipalli	Thavanampalli	Niva
379	Vedantapuram	Tirupathi(rural)	Kalyani
380	Peruru	Tirupathi(rural)	Kalyani
381	Tiruchanur	Tirupathi(rural)	Kalyani
382	Pudipatla	Tirupathi(rural)	Kalyani
383	Cherlopalle	Tirupathi(rural)	Kalyani
384	Paidipalle	Tirupathi(rural)	Kalyani
385	Padi	Tirupathi(rural)	Royalcheruvu
386	Ramanujupalle	Tirupathi(rural)	Kalyani
387	Tanepalli	Tirupathi(rural)	Royalcheruvu
388	Kuntrapakam	Tirupathi(rural)	Royalcheruvu
389	Kothur	Tirupathi(rural)	Royalcheruvu
390	Bramhanapattu	Tirupathi(rural)	Kuppambadur vanka
391	Chiguruvada dakshina	Tirupathi(rural)	Royalcheruvu
392	Vemur	Tirupathi(rural)	Royalcheruvu
393	Mallamgunta	Tirupathi(rural)	Kalyani
394	C.mallavaram	Tirupathi(rural)	Kalyani
395	Gollapalle	Tirupathi(rural)	Kalyani
396	Kalur	Tirupathi(rural)	Kalyani
397	Mundlapudi	Tirupathi(rural)	Royalcheruvu
398	Nallamanukalva	Tirupathi(rural)	Royalcheruvu
399	Patakalva	Tirupathi(rural)	Kalyani
400	Panapakam	Tirupathi(rural)	Royalcheruvu
401	Kupuchandrapeta	Tirupathi(rural)	Royalcheruvu
402	Yogimallavaram	Tirupathi(rural)	Kalyani
403	Chiguruvada uttarapuka	Tirupathi(urban)	Kalyani
404	Kothuru	Vadamalapeta	Kuppambadur vanka
405	Am puram	Vadamalapeta	Kuppambadur vanka
406	Sitamma agraharam	Vadamalapeta	Kuppambadur vanka
407	Padiredu	Vadamalapeta	Kuppambadur vanka
408	Ayyannagaripalle	Vadamalapeta	Kuppambadur vanka
409	Pattiputtu	Vadamalapeta	Kuppambadur vanka
410	Kayam	Vadamalapeta	Kuppambadur vanka
411	Kadirimangalam	Vadamalapeta	Kuppambadur vanka
412	Pachikalva	Vadamalapeta	Kuppambadur vanka
413	K.g.kandriga	Vadamalapeta	Kuppambadur vanka
414	Tirumandyam	Vadamalapeta	Kuppambadur vanka
415	Vamapuram	Vadamalapeta	Kuppambadur vanka
416	Ramasamudram	Vadamalapeta	Kuppambadur vanka
417	Pudi	Vadamalapeta	Kuppambadur vanka

Sl.NO	Village	Mandal	Name of the basin
418	Vadamalapeta	Vadamalapeta	Kuppambadur vanka
419	Tatneri	Vadamalapeta	Kuppambadur vanka
420	Jakkadona	Vedurukuppam	Kundeti vanka
421	Yettiranganipalli	Vedurukuppam	G.d.nellore
422	Veperi	Vedurukuppam	Kundeti vanka
423	Vedurukuppam	Vedurukuppam	Kundeti vanka
424	Devalampeta	Vedurukuppam	G.d.nellore
425	Makamamba-puram	Vedurukuppam	Kundeti vanka
426	Marripalli u.k.	Vedurukuppam	G.d.nellore
427	Kommaragunta	Vedurukuppam	Kundeti vanka
428	Mandivenganapalli	Vedurukuppam	Kundeti vanka
429	Chenchugudi	Vedurukuppam	Kundeti vanka
430	Mondivengarapalli	Vedurukuppam	Royalcheruvu
431	Goduguchinta	Vedurukuppam	Kundeti vanka
432	Devaragudipalli	Vedurukuppam	Kundeti vanka
433	Petagunta	Vedurukuppam	Kundeti vanka
434	Kondakindapalli	Vedurukuppam	Kundeti vanka
435	Perumallapalli	Vedurukuppam	Kundeti vanka
436	Kurivikuppam	Vedurukuppam	Kundeti vanka
437	Abbichenupalli	Vedurukuppam	Kundeti vanka
438	Kurivikuppam	Vedurukuppam	Royalcheruvu
439	Bramhanapalli	Vedurukuppam	Kundeti vanka
440	Venugopalapuram	Vedurukuppam	Kundeti vanka
441	Marepalli	Vedurukuppam	Kundeti vanka
442	Bramhanapalli	Vedurukuppam	Royalcheruvu
443	Kvm agraharam	Vedurukuppam	Kundeti vanka
444	Pachikapallam	Vedurukuppam	Kundeti vanka
445	Tkm puram	Vedurukuppam	Kundeti vanka
446	Bommayapalli	Vedurukuppam	G.d.nellore
447	Tettugundlapalli100	Vedurukuppam	G.d.nellore
448	Jadabapanapalli	Vedurukuppam	G.d.nellore
449	Garampalli	Vedurukuppam	G.d.nellore
450	Pata arcot	Vijayapuram	Nagari
451	Ellattur	Vijayapuram	Nagari
452	Yellasamudram	Vijayapuram	Arani-sivagiri
453	Maharajapuram	Vijayapuram	Nagari
454	Mangalam	Vijayapuram	Nagari
455	Kaliyambakam	Vijayapuram	Arani-sivagiri
456	Alapakkam	Vijayapuram	Arani-sivagiri
457	Buchivanatham	Vijayapuram	Arani-sivagiri
458	Kv puram	Vijayapuram	Nagari
459	Jaganadhapuram	Vijayapuram	Arani-sivagiri
460	Kalikapuram	Vijayapuram	Arani-sivagiri
461	Samireddikandriga	Vijayapuram	Arani-sivagiri
462	Gangamambapuram	Vijayapuram	Arani-sivagiri
463	Pannur	Vijayapuram	Arani-sivagiri

Sl.NO	Village	Mandal	Name of the basin
464	144 otivaripalli	Yadamari	Niva
465	M.kothur	Yadamari	Niva
466	Bhumireddipalli	Yadamari	Niva
467	Yadamari	Yadamari	Niva
468	Patrapalli	Yadamari	Niva
469	Pachanapalli	Yadamari	Gudipala
470	Mapakshi	Yadamari	Gudipala
471	Madhavaram	Yadamari	Niva
472	Jangalapalli	Yadamari	Niva
473	Budithireddipalli	Yadamari	Niva
474	Anagallu	Yadamari	Gudipala
475	Yadamari	Yadamari	Gudipala
476	Kukkalapalle	Yadamari	Niva
477	Madireddipalli	Yadamari	Niva
478	Periambadi	Yadamari	Niva
479	36.gollapalli	Yadamari	Gudipala
480	Diguvamansanapalli	Yadamari	Gudipala
481	Bandlapalli	Yadamari	Gudipala
482	Perumallakandriga	Yadamari	Gudipala
483	Kasiralla	Yadamari	Niva
484	184 gollapalli	Yadamari	Niva
485	Kammapalli	Yadamari	Niva
486	Muthukuru	Yadamari	Gudipala
487	Nr peta	Yadamari	Gudipala
488	Lakshmambapuram	Yadamari	Gudipala
489	Chintalagunta	Yadamari	Gudipala
490	Inavedu	Yadamari	Gudipala
491	Anupalle	Yadamari	Gudipala
492	Varadarajulupalli	Yadamari	Gudipala
493	Paluru	Yadamari	Gudipala
494	Modipalli	Yadamari	Niva
495	Konapalli	Yadamari	Niva
496	Krishnapuram	Yadamari	Gudipala
497	33 venkatapuram	Yadamari	Gudipala
498	Vikruthamala	Yerpedu	Kuppambadur vanka
499	Munagalapalem	Yerpedu	Kuppambadur vanka
<b>CUDDAPAH DISTRICT</b>			
1	Atloor	Atloor	Atloor
2	Gujjalavaripalli	Atloor	Atloor
3	Kamasamudram	Atloor	Atloor
4	Kondur	Atloor	Atloor
5	Kumbhagiri	Atloor	Atloor
6	Maduru	Atloor	Atloor
7	Malinenipatnam	Atloor	Atloor
8	Rangampalli	Atloor	Atloor
9	Thamballagondi	Atloor	Atloor

Sl.NO	Village	Mandal	Name of the basin
10	Uppatur	Atloor	Atloor
11	Virur	Atloor	Atloor
12	Ankanagodugunuru	B.Koduru	Akkalreddypalle
13	Munnelli(P)	B.Koduru	Akkalreddypalle
14	Pedullapalli	B.Koduru	Akkalreddypalle
15	Venkataramapuram	B.Koduru	Akkalreddypalle
16	Palugurallapalli	B.Mattam	Akkalreddypalle
17	Godugunur	Badvel	Atloor
18	Kongalaveedu	Badvel	Atloor
19	Thippanapalli	Badvel	Atloor
20	Venkatasettipalli	Badvel	Atloor
21	Bhakarapuram	Chitvel	Chitvel
22	Chitvel	Chitvel	Penagalur &Chitvel
23	K.V.Kandriga	Chitvel	Penagalur
24	K.V.R.R.Puram	Chitvel	Penagalur
25	Kampasamudram	Chitvel	Chitvel &Penagalur
26	Mylapalli	Chitvel	Chitvel
27	Nagavaram	Chitvel	Chitvel
28	Thimmayapalem	Chitvel	Chitvel
29	Thumukonda	Chitvel	Penagalur
30	Anantarajupet	Kodur	Musteru
31	Gangarajupuram	Kodur	Musteru
32	Kichamma Agraharam	Kodur	Musteru
33	Obanapalle	Kodur	Musteru
34	Raghavarajupuram	Kodur	Musteru
35	Bedururu	Kondapuram	Kondapuram- Etur
36	Chavatapalli	Kondapuram	kondapuram- regadipalle
37	K.Sugamanchipatnam	Kondapuram	kondapuram- regadipalle
38	Muchumarri (P)	Kondapuram	kondapuram- regadipalle
39	Mutsumarri	Kondapuram	Kondapuram- Etur
40	Talla Prodduturu	Kondapuram	kondapuram- regadipalle
41	Ambakapalli	Lingala	Pulivendula
42	Gunakanipalli	Lingala	Pulivendula
43	Herajipuram	Lingala	Pulivendula
44	Ippatla	Lingala	Pulivendula
45	Lingala	Lingala	Pulivendula
46	Narasimharaopalli	Lingala	Pulivendula
47	Peddakudala	Lingala	Pulivendula
48	Ramanutalapalli	Lingala	Pulivendula
49	Vadlavaripalli	Lingala	Pulivendula
50	Botimeedipalli	Obulavari Palle	Penagalur
51	Govindampalli	Obulavari Palle	Penagalur
52	Mangampeta	Obulavari Palle	Penagalur
53	Venkatesapuram	Obulavari Palle	Dalavaipalle
54	Girija M .Puram	Penagaluru	Penagalur
55	Kambalakunta	Penagaluru	Penagalur

Sl.NO	Village	Mandal	Name of the basin
56	Nallapureddipalli	Penagaluru	Penagalur
57	Pondaluru	Penagaluru	Penagalur
58	S.V.Puram	Penagaluru	Penagalur
59	Siddavaram	Penagaluru	Penagalur
60	Singanamala	Penagaluru	Penagalur
61	Singareddipalli	Penagaluru	Penagalur
62	Thirumalarajupalli	Penagaluru	Penagalur
63	A.Ramachandrapuram	Pendlimarri	Jinkal vanka
64	Chennamarajupalli	Pendlimarri	Jinkal vanka
65	Ganganapalli	Pendlimarri	Jinkal vanka
66	Gondipalli	Pendlimarri	Jinkal vanka
67	Pendlimarri	Pendlimarri	Jinkal vanka
68	Ramapuram	Pendlimarri	Jinkal vanka
69	Vellatur	Pendlimarri	Jinkal vanka
70	Akkalareddypalli	Porumamilla	Akkalreddypalle
71	Boppapuram	Porumamilla	Akkalreddypalle
72	Buchampalli	Porumamilla	Akkalreddypalle
73	Chennareddypet	Porumamilla	Akkalreddypalle
74	Cherlopalli	Porumamilla	Akkalreddypalle
75	Chinnayerasala	Porumamilla	Akkalreddypalle
76	Korrapatipalli	Porumamilla	Akkalreddypalle
77	Perammagaripalli	Porumamilla	Akkalreddypalle
78	Porumamilla(P)	Porumamilla	Akkalreddypalle
79	Pullivedu(P)	Porumamilla	Akkalreddypalle
80	Rangasamudram(P)	Porumamilla	Akkalreddypalle
81	Siddanakichaya Palli	Porumamilla	Akkalreddypalle
82	Siddavaram(P)	Porumamilla	Akkalreddypalle
83	Bokkadupalli	Pulivendula	Vemula
84	Brahmanapalli	Pulivendula	Pulivendula
85	Erraballi	Pulivendula	Vemula
86	Erragudipalli	Pulivendula	Vemula
87	Errapalli	Pulivendula	Pulivendula
88	Korrapadu	Pulivendula	Pulivendula
89	Rachamarripalli	Pulivendula	Pulivendula
90	Ragimanupalli	Pulivendula	Pulivendula
91	Ulimela	Pulivendula	Vemula&Pulivendula
92	Venkatampalli	Pulivendula	Pulivendula
93	Yerragudipalli	Pulivendula	Pulivendula
94	Anantayyagaripalle	Pullampet	Dalavaipalle&Rajampet
95	Appayyarajupeta	Pullampet	Dalavaipalle
96	K.Agraharam	Pullampet	Dalavaipalle
97	Ketarajupalle	Pullampet	Dalavaipalle
98	Priyavaram	Pullampet	Dalavaipalle
99	Pullampet	Pullampet	Rajampet
100	Ramasamudram	Pullampet	Dalavaipalle&Rajampet
101	Rangampalle	Pullampet	Dalavaipalle
102	U.Venkatampalle	Pullampet	Dalavaipalle
103	Valluripalle	Pullampet	Dalavaipalle
104	Anantarajapuram(I)	Rajampet	Rajampet
105	Mittameedapalle	Rajampet	Rajampet
106	Sitaramapuram	Rajampet	Rajampet

Sl.NO	Village	Mandal	Name of the basin
107	Utukuru	Rajampet	Rajampet
108	Palur 65%	Thondur	Pulivendula
109	Ankayapalli	Vallur	Jinkal vanka
110	Isukapalli	Vallur	Jinkal vanka
111	Koppolu	Vallur	Jinkal vanka
112	O.S.Palli	Vallur	Jinkal vanka
113	Peddaputta	Vallur	Jinkal vanka
114	Venkateswarapuram	Vallur	Jinkal vanka
115	Edapalli	Veeraballi	Sanipaya
116	Gadikota	Veeraballi	Sanipaya
117	Alavalapadu	Vempalle	Vemula
118	Kathalur	Vempalle	Thallapalle
119	Muthukur	Vempalle	Vemula
120	Nagur	Vempalle	Vemula
121	Vempalle	Vempalle	Vempalle
122	Ch.Jutur	Vemula	Vemula
123	Chagaleru	Vemula	Thallapalle
124	Gondipalli	Vemula	Thallapalle&Vemula
125	Medipenta	Vemula	Vempalle
126	Pendluru	Vemula	Vemula
127	Pernapadu	Vemula	Vemula
128	V.Kothapalli	Vemula	Thallapalle
129	Velpula	Vemula	Vemula
130	Vemula	Vemula	Vemula
131	Gunakanapalli	VN Palle	Thallapalle
132	S Palagiri	Vn Palle	Thallapalle
133	Thangedupalle	VN Palle	Vempalle
<b>KURNOOL DISTRICT</b>			
1	Nanoor	Orvakal	Yellammavagu
2	Kethavaram	Orvakal	Yellammavagu
3	Gargeyapuram	Kurnool	Yellammavagu
4	Nuthanapalli	Kurnool	Yellammavagu
5	Pasupula	Kurnool	Yellammavagu
<b>MAHABUBNAGAR DISTRICT</b>			
1	Elikal	Kalwakurthi	Kalwakurthy-Vangur (KK 1)
2	Lingasanipally	Kalwakurthi	Kalwakurthy-Vangur (KK 1)
3	Raghubathipeta	Kalwakurthi	Kalwakurthy-Vangur (KK 1)
4	Pinjerla	Kothur	Kothur-Shadnagar(KG35)
5	Enmulnarva	Kothur	Kothur-Shadnagar(KG35)
6	Kothur	Kothur	Kothur-Shadnagar(KG35)
7	Gudur	Kothur	Kothur-Shadnagar(KG35)
8	Serigudabadraipally	Kothur	Kothur-Shadnagar(KG35)
9	Mallapur	Kothur	Kothur-Shadnagar(KG35)
10	Siddapur	Kothur	Kothur-Shadnagar(KG35)
11	Thimmapur	Kothur	Kothur-Shadnagar(KG35)



Sl.NO	Village	Mandal	Name of the basin
12	Khajiguda	Kothur	Kothur-Shadnagar(KG35)
13	Kothur	Midjil	Midjil,Talkondapally (KK 6)
14	Midjil	Midjil	Midjil,Talkondapally (KK 6)
15	Kothapally	Midjil	Midjil,Talkondapally (KK 6)
16	vadiyala	Midjil	Midjil,Talkondapally (KK 6)
17	Gudiganpally	Midjil	Midjil,Talkondapally (KK 6)
18	Munnanur	Midjil	Midjil,Talkondapally (KK 6)
19	Velgomula	Midjil	Midjil,Talkondapally (KK 6)
20	Dooskal	Shadnagar	Kothur-Shadnagar(KG35)
21	Chetanpally	Shadnagar	Kothur-Shadnagar(KG35)
22	Shadnagar	Shadnagar	Kothur-Shadnagar(KG35)
23	Solipur	Shadnagar	Kothur-Shadnagar(KG35)
24	Kondannaguda	Shadnagar	Kothur-Shadnagar(KG35)
25	Buchhiguda	Shadnagar	Kothur-Shadnagar(KG35)
26	Nagulapaly	Shadnagar	Kothur-Shadnagar(KG35)
27	Talkondapally	Talkondapally	Midjil,Talkondapally (KK 6)
28	Antaram	Talkondapally	Midjil,Talkondapally (KK 6)
29	Chandradaram	Talkondapally	Midjil,Talkondapally (KK 6)
30	Badnapur	Talkondapally	Midjil,Talkondapally (KK 6)
31	Venkatapuram	Talkondapally	Midjil,Talkondapally (KK 6)
32	Mittasadgode	Vangoor	Kalwakurthy-Vangur (KK 1)
33	Thirumalgi	Vangoor	Kalwakurthy-Vangur (KK 1)
34	Annaram	Vangoor	Kalwakurthy-Vangur (KK 1)
35	jajala	Vangoor	Kalwakurthy-Vangur (KK 1)
36	Ulpera	Vangoor	Kalwakurthy-Vangur (KK 1)
<b>RANGAREDDY DISTRICT</b>			
1	Devuni Yerravally	Chevella	Chevella_N
2	Ibrahimpalle	Chevella	Chevella_N
3	Kesaram(H)	Chevella	Chevella_N
4	Malkapur	Chevella	Chevella_N
5	Ravalpally Khurd	Chevella	Chevella_N
6	Urella	Chevella	Chevella_N
7	Yenkepally	Chevella	Chevella_N
8	Allawada	Chevella	Chevella
9	Kesaram (H)	Chevella	Chevella
10	Khanapur	Chevella	Chevella
11	Choudarpalle(H)	Gandeed	Mahammadabad
12	Mahamadabad	Gandeed	Mahammadabad
13	Mangampeta	Gandeed	Mahammadabad
14	Mukarlabad	Gandeed	Mahammadabad
15	Guntapally (H/o Majitpur)	Hayathnagar	Hayathnagar
16	Injapur	Hayathnagar	Hayathnagar
17	Manneguda	Hayathnagar	Hayathnagar
18	Munaganur	Hayathnagar	Hayathnagar
19	Surmajiguda (H)	Hayathnagar	Hayathnagar
20	Turoor	Hayathnagar	Hayathnagar

Sl.NO	Village	Mandal	Name of the basin
21	Bacharam	Hayathnagar	Saroomnagar
22	Balajiguda	Hayathnagar	Saroomnagar
23	Bandaravirala	Hayathnagar	Saroomnagar
24	Gowrelli	Hayathnagar	Saroomnagar
25	Qutubullapur	Hayathnagar	Saroomnagar
26	Hyderabad Urban Area	Hyderabad Urban Area	Balanagar&Saroomnagar
27	Ibrahimpattam	Ibrahimpattam	Hayathnagar
28	Ramdasipally	Ibrahimpattam	Hayathnagar
29	Mogullapalli	Kulakcherla	Mahammadabad
30	Dammaiguda	Malkajgiri	Balanagar
31	Farzandguda	Malkajgiri	Balanagar
32	Gundlapochampally	Medchal	Balanagar&Medchal
33	Ativelli	Medchal	Medchal
34	Bandamadharam	Medchal	Medchal
35	Dabilpur	Medchal	Medchal
36	Gosaniguda (H)	Medchal	Medchal
37	Kandla Koya	Medchal	Medchal
38	Konaipalle(H)	Medchal	Medchal
39	Masireddipalle (H)	Medchal	Medchal
40	Pudur	Medchal	Medchal
41	Railapur	Medchal	Medchal
42	Rajbollaram	Medchal	Medchal
43	Ravalkolva	Medchal	Medchal
44	Seethanguda	Medchal	Medchal
45	Shahzadiguda(H)	Medchal	Medchal
46	Somavaram	Medchal	Medchal
47	Aziznagar	Moinabad	Chevella_N & Chevella
48	Chandanagar	Moinabad	Chevella_N
49	Chillkur	Moinabad	Chevella_N
50	Chinnamangalaram	Moinabad	Chevella_N
51	Chinnashapur(H)	Moinabad	Chevella_N
52	Himayathnagar	Moinabad	Chevella_N
53	Kankamamidi	Moinabad	Chevella_N
54	Medipalli	Moinabad	Chevella_N
55	Mothkupalli(H)	Moinabad	Chevella_N
56	Murtuzaguda	Moinabad	Chevella_N
57	Reddypalli(H)	Moinabad	Chevella_N
58	Sajanapally(H)	Moinabad	Chevella_N& Chevella
59	Amdapur	Moinabad	Chevella
60	Bakaram	Moinabad	Chevella
61	Kanakamamidi	Moinabad	Chevella
62	Kethi Reddypally	Moinabad	Chevella
63	Murthuzguda	Moinabad	Chevella
64	Nagireddyguda	Moinabad	Chevella
65	Najeebnagar	Moinabad	Chevella
66	Nakkalapally	Moinabad	Chevella
67	Sreeramnagar	Moinabad	Chevella
68	Surangal	Moinabad	Chevella

Sl.NO	Village	Mandal	Name of the basin
69	Tolkatta	Moinabad	Chevella
70	Venkatapur	Moinabad	Chevella
71	Yenkepally	Moinabad	Chevella
72	Gangupally(H)	Pudur	Chevella
73	Mannaguda(P)	Pudur	Chevella
74	Manneguda(S)	Pudur	Chevella
75	Medipalle Kalan	Pudur	Chevella
76	Mirzapur (H/o Yenkapally)	Pudur	Chevella
77	Bowrampet	Quthubullapur	Balanagar
78	Hydershahiguda	Rajendranagar	Chevella_N
79	Kismathpur	Rajendranagar	Chevella
80	Shivrampalle Jagir	Rajendranagar	Saroomagar
81	Almasguda	Saroomagar	Hayathnagar
82	Kurmalguda	Saroomagar	Hayathnagar
83	Nodergul	Saroomagar	Hayathnagar & Saroomagar
84	Dawudkhanguda(H)	Saroomagar	Saroomagar
85	Jillalguda	Saroomagar	Saroomagar
86	Mamidipally	Saroomagar	Saroomagar
87	Papaihkundhan(H)	Saroomagar	Saroomagar
88	Renukapur	Saroomagar	Saroomagar
89	Venkatapur	Saroomagar	Saroomagar
90	Gafoornagar	Serilingampally	Balanagar
91	Potugal	Shabad	Chevella
92	Yamjal	Shamirpet	Balanagar&Medchal
93	Majodpur	Shamirpet	Medchal
94	Adraspally	Shamirpet	Shamirpet
95	Bomraspet	Shamirpet	Shamirpet
96	Devaryamjal	Shamirpet	Shamirpet
97	Keshavapur	Shamirpet	Shamirpet
98	Potaipally	Shamirpet	Shamirpet
99	Shamirpet	Shamirpet	Shamirpet
100	Anantharam	Shamirpet	Shamirpet_N
101	Jaggamgudam	Shamirpet	Shamirpet_N
102	Kesaram	Shamirpet	Shamirpet_N
103	Kothur	Shamirpet	Shamirpet_N
104	Lakshmapur	Shamirpet	Shamirpet_N
105	Mudchintalpally	Shamirpet	Shamirpet_N
106	Narayanpur	Shamirpet	Shamirpet_N
107	Uddamarry	Shamirpet	Shamirpet_N
108	Chandippa	Shankarpally	Chevella_N
109	Elwarthi	Shankarpally	Chevella_N
110	Ramanathpur	Shankarpally	Chevella_N
111	Tangutur	Shankarpally	Chevella_N
112	Bandlaguda	Uppal	Saroomagar

Sl.NO	Village	Mandal	Name of the basin
<b>MEDAK DISTRICT</b>			
1	Konapur	Doulathabad	Doulathabad
2	Dommat	Doulathabad	Doulathabad
3	Indupriyal	Doulathabad	Doulathabad
4	Doulathabad	Doulathabad	Doulathabad
5	Mubaraspur	Doulathabad	Doulathabad
6	Narsampalli	Doulathabad	Doulathabad
7	Srirampalli	Doulathabad	Doulathabad
8	Lingarajpalli	Doulathabad	Doulathabad
9	S. Bandaram	Doulathabad	Doulathabad
10	Mohd. Shapur	Doulathabad	Doulathabad
11	Deepaipalli	Doulathabad	Doulathabad
12	Godugipalli	Doulathabad	Doulathabad
13	Konaipally	kondapak	Nanganur
14	Rudraram	Mirdoddi	Doulathabad
15	Alwal	Mirdoddi	Doulathabad
16	Khajipur	Mirdoddi	Doulathabad
17	Chepriyal	Mirdoddi	Doulathabad
18	Almarpur	Mirdoddi	Doulathabad
19	Bhoompalli	Mirdoddi	Doulathabad
20	Venkataraopet	Mirdoddi	Doulathabad
21	J.Lingareddipet	Mirdoddi	Doulathabad
22	Jangupally	Mirdoddi	Doulathabad
23	Veerareddipalli	Mirdoddi	Doulathabad
24	Kudevelli	Mirdoddi	Doulathabad
25	Thimmaipally	Nanganur	Nanganur
26	Gatlamaliyal	Nanganur	Nanganur
27	Maqdumpur	Nanganur	Nanganur
28	Ghanapur	Nanganur	Nanganur
29	Ankshapur	Nanganur	Nanganur
30	Venkatapur	Nanganur	Nanganur
31	Khata	Nanganur	Nanganur
32	Kondamrajply	Nanganur	Nanganur
33	Rampur	Nanganur	Nanganur
34	Nagrajpally	Nanganur	Nanganur
35	Khanapur	Nanganur	Nanganur
36	Damaracheru	Ramayampet	Doulathabad
37	Bachurajpalli	Ramayampet	Doulathabad
38	Shivampalli	Ramayampet	Doulathabad
39	Nizampet	Ramayampet	Doulathabad
40	Ramayampet	Ramayampet	Doulathabad
41	Komatpalli	Ramayampet	Doulathabad
42	Konapuram	Ramayampet	Doulathabad
43	Venkatapur	Ramayampet	Doulathabad
44	Nandigam	Ramayampet	Doulathabad
45	Satharpalli	Ramayampet	Doulathabad
<b>NIZAMABAD DISTRICT</b>			
1	Chepoor	Armoor	Lakkora_Vannil
2	Perkit	Armoor	Lakkora_Vannil

Sl.NO	Village	Mandal	Name of the basin
3	Bodepally	Balkonda	Lakkora _Vannil& Velgatoor
4	Vempally	Balkonda	Velgatoor
5	Nagampet	Balkonda	Velgatoor
6	Venchryal	Balkonda	Velgatoor
7	Mendora	Balkonda	Velgatoor
8	Chittapoor	Balkonda	Lakkora _Vannil
9	Renjarla	Balkonda	Velgatoor
10	Kothapally	Balkonda	Velgatoor
11	Vannel(B)	Balkonda	Lakkora _Vannil
12	Mupkal	Balkonda	Velgatoor
13	Mendora	Bheemgal	Konasamunder
14	Sikandrapoor	Bheemgal	Dharpally
15	Pd.bheemgal	Bheemgal	Dharpally
16	Jagiryal	Bheemgal	Konasamunder&Bheemgal
17	Babanagar	Bheemgal	Konasamunder
18	Chengal	Bheemgal	Bheemgal_Bhuzurg
19	Pedda Bheemgal	Bheemgal	Bheemgal_Bhuzurg
20	Babapur	Bheemgal	Bheemgal
21	Kachapur	Bhiknoor	Bhiknoor_Bibipet
22	Bhiknoor	Bhiknoor	Bhiknoor_Bibipet
23	Baswapoor	Bhiknoor	Bhiknoor_Bibipet
24	Bhigirathpally	Bhiknoor	Bhiknoor_Bibipet
25	Tippapoor	Bhiknoor	Bhiknoor_Bibipet
26	Ryagatlapally	Bhiknoor	Bhiknoor_Bibipet
27	Mallupally	Bhiknoor	Bhiknoor_Bibipet
28	Talamadla	Bhiknoor	Bhiknoor_Bibipet &Muthayampet
29	Rajampet	Bhiknoor	Kammareddy_Bhavanipet &Muthayampet
30	Kancharia	Bhiknoor	Bhiknoor_Bibipet
31	Laxmidivipally	Bhiknoor	Bhiknoor_Bibipet
32	Gurjakunta	Bhiknoor	Bhiknoor_Bibipet
33	Anthampally	Bhiknoor	Bhiknoor_Bibipet
34	Rameswarpally	Bhiknoor	Bhiknoor_Bibipet &Muthayampet
35	Jangampally	Bhiknoor	Muthayampet
36	Pondurthi	Bhiknoor	Muthayampet
37	Kolpak	Dharpally	Hanmajipet
38	Dubbak	Dharpally	Dharpally &Bheemgal_Bhuzurg
39	Govindpally	Dharpally	Dharpally
40	Ambaripet	Domakonda	Bhiknoor_Bibipet
41	Malkapur	Domakonda	Bhiknoor_Bibipet
42	Lingupally	Domakonda	Bhiknoor_Bibipet
43	Konapur	Domakonda	Bhiknoor_Bibipet&Muthayampet
44	Jangaon	Domakonda	Bhiknoor_Bibipet
45	Yadaram	Domakonda	Bhiknoor_Bibipet
46	Bibipet	Domakonda	Bhiknoor_Bibipet
47	Gothimukkula	Domakonda	Bhiknoor_Bibipet

Sl.NO	Village	Mandal	Name of the basin
48	Anchanoor	Domakonda	Bhiknoor_Bibipet &Muthayampet
49	Tujalpur	Domakonda	Bhiknoor_Bibipet
50	Domakonda	Domakonda	Bhiknoor_Bibipet &Muthayampet
51	Mohammadnagar	Domakonda	Bhiknoor_Bibipet
52	Issannapally	Domakonda	Bhiknoor_Bibipet
53	Sitarampally	Domakonda	Bhiknoor_Bibipet
54	Ramchandrapur	Domakonda	Bhiknoor_Bibipet
55	Seribibipet	Domakonda	Bhiknoor_Bibipet
56	Ambarpet	Domakonda	Muthayampet
57	Muthyampet	Domakonda	Muthayampet
58	Narayanpet	Jakranpally	Dharpally
59	Gudem	Kamareddy	Kammareddy_Bhavanipet
60	Tekryal	Kamareddy	Kammareddy_Bhavanipet
61	Patharajampet	Kamareddy	Kammareddy_Bhavanipet &Muthayampet
62	Thimmakkapally	Kamareddy	Kammareddy_Bhavanipet
63	Ch.Mallareddy	Kamareddy	Kammareddy_Bhavanipet
64	Elchipoor	Kamareddy	Kammareddy_Bhavanipet
65	Lingapoor	Kamareddy	Kammareddy_Bhavanipet
66	Sabdipoor	Kamareddy	Kammareddy_Bhavanipet
67	Kyasampally	Kamareddy	Kammareddy_Bhavanipet &&Muthayampet
68	Gargul	Kamareddy	Kammareddy_Bhavanipet
69	Sarampally	Kamareddy	Kammareddy_Bhavanipet
70	Isrojiwadi	Kamareddy	Kammareddy_Bhavanipet
71	ugrawai	Kamareddy	Kammareddy_Bhavanipet
72	Narsannapally	Kamareddy	Muthayampet
73	Kottalpally	Kamareddy	Muthayampet& Kammareddy_Bhavanipet
74	kammarpally	Kammarpally	Kammarpally
75	Choutpally	Kammarpally	Mortad
76	Hasankothur	Kammarpally	Mortad
77	uploor	Kammarpally	Kammarpally
78	Konasamunder	Kammarpally	Konasamunder
79	Nagapoor	Kammarpally	Kammarpally
80	Annaram	Machareddy	Gadkole_Thumpally
81	Yellampet	Machareddy	Gadkole_Thumpally
82	Reddipet	Machareddy	Kammareddy_Bhavanipet &Gadkole_Thumpally
83	Bhavanipet	Machareddy	Kammareddy_Bhavanipet
84	Chukkapoor	Machareddy	Kammareddy_Bhavanipet &Muthayampet
85	Palwancha	Machareddy	Kammareddy_Bhavanipet &Muthayampet
86	Yelpgonda	Machareddy	Kammareddy_Bhavanipet &Muthayampet
87	Somarampet	Machareddy	Gadkole_Thumpally
88	Singaraipally	Machareddy	Kammareddy_Bhavanipet

Sl.NO	Village	Mandal	Name of the basin
89	Ganpoor	Machareddy	Kammareddy_Bhavanipet &Muthayampet
90	Bandarameshwarpally	Machareddy	Muthayampet
91	Thadpakal	Morthad	Mortad
92	Sunkat	Morthad	Mortad
93	Ramannapet	Morthad	Mortad& Konasamunder
94	Donkal	Morthad	Mortad&Lakkora _Vannil
95	Dharmora	Morthad	Lakkora _Vannil
96	T.Rampoor	Morthad	Kammarpally
97	Morthad	Morthad	Mortad
98	Vadyat	Morthad	Mortad
99	Gummiryal	Morthad	Kammarpally
100	Yergatla	Morthad	Kammarpally
101	Shetpally	Morthad	Lakkora _Vannil& Velgatoor
102	Komatpally	Nandipet	Badgoni_Siripuram
103	Dattapur	Nandipet	Badgoni_Siripuram
104	Marampally	Nandipet	Badgoni_Siripuram
105	Nikalpur	Nandipet	Badgoni_Siripuram
106	Gadepally	Nandipet	Badgoni_Siripuram
107	Badguni	Nandipet	Badgoni_Siripuram
108	Donkeshwar	Nandipet	Badgoni_Siripuram
109	Sadashivanagar	Sadasivanagar	Kammareddy_Bhavanipet
110	Kupiral	Sadasivanagar	Kammareddy_Bhavanipet
111	Ramareddy	Sadasivanagar	Kammareddy_Bhavanipet
112	Kannapoor	Sadasivanagar	Kammareddy_Bhavanipet
113	Poshanipet	Sadasivanagar	Kammareddy_Bhavanipet
114	Moshampoor	Sadasivanagar	Kammareddy_Bhavanipet
115	Markal	Sadasivanagar	Kammareddy_Bhavanipet
116	Uppalwai	Sadasivanagar	Kammareddy_Bhavanipet
117	Radhaipally	Sadasivanagar	Kammareddy_Bhavanipet
118	Gollapally	Sadasivanagar	Kammareddy_Bhavanipet
119	Sirikonda	Srikonda	Hussainagar &Gadkole_Thumpally
120	Kondapoor	Srikonda	Gadkole_Thumpally
121	Valgote	Srikonda	Dharpally& Hanmajipet
122	Rekulapally	Srikonda	Dharpally
123	Tumpally	Srikonda	Gadkole_Thumpally
124	Ramadugu	Srikonda	Hussainagar&Hanmajipet
125	Nyavanandi	Srikonda	Bheemgal
126	Kondur	Srikonda	Hussainagar
127	Hussainnagar	Srikonda	Hussainagar
128	Museerabad	Srikonda	Gadkole_Thumpally
129	Gadkol	Srikonda	Hanmajipet & Gadkole_Thumpally
130	Honnajipet	Srikonda	Hanmajipet
131	Pochampally	Velpoor	Lakkora _Vannil
132	Kukunoor	Velpoor	Lakkora _Vannil
133	Padgal	Velpoor	Lakkora _Vannil
134	Komanpally	Velpoor	Lakkora _Vannil

Sl.NO	Village	Mandal	Name of the basin
135	Lakkora	Velloor	Lakkora_Vannil
136	Velloor	Velloor	Lakkora_Vannil
137	Venktapoor	Velloor	Lakkora_Vannil
138	Anksapoor	Velloor	Lakkora_Vannil
139	Ameenapoor	Velloor	Lakkora_Vannil
140	Akloor	Velloor	Bheemgal_Bhuzurg
141	Babanagar	Velloor	Bheemgal
142	Pallykonda	Velloor	Bheemgal
143	Mothe	Velloor	Bheemgal
144	Lingamput chout	Velloor	Bheemgal
145	Bejora	Velloor	Bheemgal
146	Muchkur	Velloor	Bheemgal
147	Rehathnagar	Velloor	Bheemgal
148	Bheemgal	Velloor	Bheemgal
149	Bachanpally	Velloor	Bheemgal
150	Puranipet	Velloor	Bheemgal
<b>KARIMNAGAR DISTRICT</b>			
1	Yerrabelli	Bheemdevarapally	Dharmaram_Kothakonda_ ( 82 )
2	Katkur	Bheemdevarapally	Husnabad Yellammagadda ( 73 )
3	Kothakonda	Bheemdevarapally	Dharmaram_Kothakonda_ ( 82 )
4	Kannaram	Bheemdevarapally	Husnabad Yellammagadda ( 73 )
5	Mallaram	Bheemdevarapally	Dharmaram_Kothakonda_ ( 82 )
6	Mudimanikyam	Chigurumamidi	Husnabad Yellammagadda ( 73 )
7	Chigurumamidi	Chigurumamidi	Nusthlapur Mohedummeda ( 74 )
8	Potharam ( S )	Husnabad	Husnabad Yellammagadda ( 73 )
9	Regonda	Husnabad	Husnabad Yellammagadda ( 73 )
10	Pandilla	Husnabad	Husnabad Yellammagadda ( 73 )
11	Kuchanapalli	Husnabad	Husnabad Yellammagadda ( 73 )
12	Gandipalli	Husnabad	Husnabad Yellammagadda ( 73 )
13	Nandaram	Husnabad	Husnabad Yellammagadda ( 73 )
14	Antakpeta	Husnabad	Husnabad Yellammagadda ( 73 )
15	Gouravelli	Husnabad	Husnabad Yellammagadda ( 73 )
16	Husnabad	Husnabad	Husnabad Yellammagadda ( 73 )
17	Keshavapur	Husnabad	Husnabad Yellammagadda ( 73 )
18	Chowtapalli	Husnabad	Husnabad Yellammagadda ( 73 )
19	Dongala dharmaram	Husnabad	Husnabad Yellammagadda ( 73 )
20	Mallampalli	Husnabad	Husnabad Yellammagadda ( 73 )
21	Madannapeta	Kamalapur	Guniparthy Salivagu ( 85 Part )
22	Ramachandrapur	Koheda	Husnabad Yellammagadda ( 73 )
23	Pariveda	Koheda	Husnabad Yellammagadda ( 73 )
24	Nakirekommulapalli	Koheda	Husnabad Yellammagadda ( 73 )
25	Narayanpur	Koheda	Husnabad Yellammagadda ( 73 )
26	Samudrala	Koheda	Husnabad Yellammagadda ( 73 )
27	Gotlamitta	Koheda	Husnabad Yellammagadda ( 73 )
28	Sriramulapalli	Koheda	Husnabad Yellammagadda ( 73 )
29	Kashapur	Koheda	Husnabad Yellammagadda ( 73 )
30	Nustulapur	Thimmapur	Nusthlapur Mohedummeda ( 74 )
31	Nallagonda	Thimmapur	Nusthlapur Mohedummeda ( 74 )



Sl.NO	Village	Mandal	Name of the basin
32	Kothapally	Thimmapur	Nusthlapur Mohedummeda ( 74 )
33	Thimmapur	Thimmapur	Nusthlapur Mohedummeda ( 74 ) &Manakondur Manair ( 75 )
34	Alugunur	Thimmapur	Nusthlapur Mohedummeda ( 74 ) &Manakondur Manair ( 75 )
35	Mallapur	Thimmapur	Manakondur Manair ( 75 )
36	Nallagonda	Thimmapur	Manakondur Manair ( 75 )
37	Mannempalli	Thimmapur	Manakondur Manair ( 75 )
38	Porandla	Thimmapur	Manakondur Manair ( 75 )
<b>WARANGAL DISTRICT</b>			
1	Salvapur	Bachannapet	Peddavagu
2	Kodavatur	Bachannapet	Peddavagu
3	Bachannapet	Bachannapet	Peddavagu
4	Bandanagaram	Bachannapet	Peddavagu&Are Vagu
5	Itikalapalli	Bachannapet	Peddavagu
6	Ramachandrapur	Bachannapet	Peddavagu
7	Lingampalli	Bachannapet	Peddavagu
8	Narayanapur	Bachannapet	Peddavagu
9	Pochannapeta	Bachannapet	Peddavagu
10	Thammadapalli	Bachannapet	Peddavagu
11	Alimpur	Bachannapet	Peddavagu
12	Mansanpalli	Bachannapet	Peddavagu
13	Gangapur	Bachannapet	Peddavagu
14	Dabbakuntapalli	Bachannapet	Peddavagu
15	Tadur	Cheriyal	Peddavagu&Komuravelly
16	Cheriyal	Cheriyal	Komuravelly
17	Mutyala	Cheriyal	Komuravelly
18	Chityal	Cheriyal	Komuravelly
19	Chunchukota	Cheriyal	Komuravelly
20	Danampalli	Cheriyal	Komuravelly
21	Marrimuchala	Cheriyal	Komuravelly
22	Komaravelli	Cheriyal	Komuravelly
23	Guruvannapeta	Cheriyal	Komuravelly
24	Kistampeta	Cheriyal	Komuravelly
25	Peddarajupeta	Cheriyal	Komuravelly
26	Akunuru	Cheriyal	Komuravelly
27	Nagapuri	Cheriyal	Komuravelly
28	Mallikudurla	Dharmasagar	Dharmasager
29	Mupparam	Dharmasagar	Dharmasager
30	Janakipuram	Dharmasagar	Dharmasager
31	Veleru	Dharmasagar	Dharmasager
32	Narayanagiri	Dharmasagar	Dharmasager
33	Sreepathipalli	Ghanpur (Station)	Andhlakunta Cheroo&Lothu vagu
34	Raghavapuram	Ghanpur (Station)	Pendyala vagu&Lothu vagu
35	Malkapur	Ghanpur (Station)	Pendyala vagu&Lothu vagu
36	Ghanpur	Ghanpur (Station)	Lothu vagu
37	Nashkal	Ghanpur (Station)	Pendyala vagu
38	Pallagutta	Ghanpur (Station)	Lothu vagu
39	Rajavaram	Ghanpur (Station)	Lothu vagu

Sl.NO	Village	Mandal	Name of the basin
40	Vishawathanapuram	Ghanpur (Station)	Andhlakunta Cheroo
41	Fathepur	Ghanpur (Station)	Pendyala vagu
42	Samudrala	Ghanpur (Station)	Yerro Cheroo
43	Chagal	Ghanpur (Station)	Pendyala vagu
44	Krishnagigudem	Ghanpur (Station)	Lothu vagu
45	Chelpur	Ghanpur (Station)	Pendyala vagu
46	Meedikonda	Ghanpur (Station)	Lothu vagu
47	Chinnapendyala	Ghanpur (Station)	Pendyala vagu
48	Chinnapendyala	Ghanpur (Station)	Lothu vagu
49	Shivunipalli	Ghanpur (Station)	Pendyala vagu
50	Kothapalli	Ghanpur (Station)	Lothu vagu
51	Venkatadripet	Ghanpur (Station)	Lothu vagu
52	Jayagir	Hasanparthy	Dharmasager
53	Ganugapahad	Jangaon	Oora Cheroo
54	Pasarmadla	Jangaon	Peddavagu
55	Obulakesavapur	Jangaon	Peddavagu
56	Vadlakonda	Jangaon	Oora Cheroo
57	Chowdaram	Jangaon	Oora Cheroo
58	Marigidi	Jangaon	Oora Cheroo
59	Chhetakoduru	Jangaon	Oora Cheroo
60	Gantlakunta	Kodakandla	Andhlakunta Cheroo
61	Ramavaram	Kodakandla	Andhlakunta Cheroo
62	Yedunuthula	Kodakandla	Andhlakunta Cheroo
63	Kodakandla	Kodakandla	Andhlakunta Cheroo
64	Phakala	Kodakandla	Andhlakunta Cheroo
65	Laxmakkapally	Kodakandla	Andhlakunta Cheroo
66	Regula	Kodakandla	Andhlakunta Cheroo
67	Pochampally	Kodakandla	Andhlakunta Cheroo
68	Narshingapur	Kodakandla	Andhlakunta Cheroo
69	Bairanpalli	Madduru	Are Vagu
70	Dhulmitta	Madduru	Pendyala vagu
71	Peddapendyala	Madduru	Pendyala vagu
72	Kutigal	Madduru	Are Vagu
73	Tatikayala	Madduru	Pendyala vagu
74	Dharmaram	Madduru	Are Vagu
75	Vallampatta	Madduru	Are Vagu
76	Bekkal	Madduru	Are Vagu
77	Unikicherla	Madduru	Pendyala vagu
78	Kyathampalli	Madduru	Pendyala vagu
79	Gagillapur	Madduru	Are Vagu
80	Mallikudurla	Madduru	Pendyala vagu
81	Rebarthi	Madduru	Pendyala vagu
82	Peesara	Madduru	Pendyala vagu
83	Thornala	Madduru	Lothu vagu
84	Kondapur	Madduru	Pendyala vagu&Are Vagu
85	Hanmanthapur	Narmetta	Peddavagu
86	Narmetta	Narmetta	Oora Cheroo
87	Bonthagattunagaram	Narmetta	Lothu vagu&Are Vagu
88	Tarigoppula	Narmetta	Are Vagu&Oora Cheroo

Sl.NO	Village	Mandal	Name of the basin
89	Machupahad	Narmetta	Lothu vagu
90	Ankusapur	Narmetta	Are Vagu&Oora Cheroo
91	Potharam	Narmetta	Are Vagu
92	Abdulnagaram	Narmetta	Oora Cheroo
93	Bommakur	Narmetta	Are Vagu
94	Ammapur	Narmetta	Are Vagu
95	Akkarajupalli	Narmetta	Are Vagu
96	Malakpet	Narmetta	Oora Cheroo
97	Veldanda	Narmetta	Lothu vagu
98	Bommera	Palakurthy	Yerro Cheroo
99	Kothulabad	Palakurthy	Yerro Cheroo
100	Valmidi	Palakurthy	Yerro Cheroo
101	Manchippula	Palakurthy	Yerro Cheroo
102	Dardepalli	Palakurthy	Yerro Cheroo
103	Mallampalli	Palakurthy	Yerro Cheroo
104	Visnur	Palakurthy	Yerro Cheroo
105	Gudur	Palakurthy	Yerro Cheroo
106	Chennur	Palakurthy	Andhlakunta Cheroo
107	Kondapur	Palakurthy	Yerro Cheroo
108	Thorrur	Palakurthy	Yerro Cheroo
109	Laxminarayanapur	Palakurthy	Yerro Cheroo
110	Thigaram	Palakurthy	Yerro Cheroo
111	Raghunathpalle	Raghunathpally	Oora Cheroo
112	Mekalagattu	Raghunathpally	Oora Cheroo
113	Qilashapuram	Raghunathpally	Oora Cheroo
114	Nidigonda	Raghunathpally	Oora Cheroo
115	Ibrahimpuram	Raghunathpally	Oora Cheroo
116	Veldi	Raghunathpally	Oora Cheroo
117	Kanchnpalle	Raghunathpally	Oora Cheroo
118	Madharam	Raghunathpally	Oora Cheroo
119	Govardhanagiri	Raghunathpally	Oora Cheroo
120	Fatheshapur	Raghunathpally	Oora Cheroo
121	Ammapur	Thorrur	Lothu vagu
122	Dammannapet	Wardhannapet	Lothu vagu
123	Bandowthapuram	Wardhannapet	Lothu vagu
124	Kothapaly (PR)	Wardhannapet	Lothu vagu
125	Divitipally	Wardhannapet	Lothu vagu
<b>KHAMMAM DISTRICT</b>			
1	Gudimalla	Khammam(R)	Munair_6
2	Arekodu	Khammam(R)	Munair_6
3	Chowtapalli	Kusumanchi	Palair_II
4	Gaigoinpalli	Kusumanchi	Palair_II
5	Berolu	Tirumalayapalem	Palair_II
6	Subledu	Tirumalayapalem	Palair_II
7	Hasnabad	Tirumalayapalem	Palair_II
8	Bachodu	Tirumalayapalem	Palair_II

SÍ.NO	Village	Mandal	Name of the basin
9	Mohmadapuram	Tirumalayapalem	Palair_II
<b>NALGONDA DISTRICT</b>			
1	Alair	Alair	ALAIR
2	Golanukonda	Alair	ALAIR
3	Ikkurthy	Alair	ALAIR
4	Kolanpaka	Alair	ALAIR & Rajapet
5	Kollur	Alair	ALAIR
6	Manthapuri	Alair	ALAIR
7	Patelguda	Alair	ALAIR
8	Sharajpet	Alair	ALAIR
9	Srinivasapur	Alair	ALAIR
10	Tangutur	Alair	ALAIR
11	Bangarigadda	Chandur	Chanduru
12	Bodangaparthi	Chandur	Chanduru
13	Idikuda	Chandur	Chanduru
14	Kasthala	Chandur	Chanduru & Marriguda
15	Komandaniguda	Chandur	Chanduru
16	Turupupalli	Deverkonda	Gundlapally
17	Burahanpalli	Gundlapalli	Gundlapally
18	Kandukur	Gundlapalli	Gundlapally
19	Khanapur	Gundlapalli	Gundlapally
20	Ramanthapur	Gundlapalli	Gundlapally
21	Sinngarajupalli	Gundlapalli	Gundlapally
22	Towklapur	Gundlapalli	Gundlapally
23	Vavikole	Gundlapalli	Gundlapally
24	Yerraram	Gundlapalli	Gundlapally
25	Pochampally	Gurrampode	Marriguda
26	Boinapalli	Kanagal	Chanduru
27	Budamarlapalli	Kanagal	Chanduru
28	Dorepalli	Kanagal	Chanduru
29	G.Yadavalli	Kanagal	Chanduru
30	Ponugode	Kanagal	Chanduru
31	Regatte	Kanagal	Chanduru
32	Shabhullapur	Kanagal	Chanduru
33	Marriguda	Marriguda	Marriguda
34	Chamapally	Nampally	Marriguda
35	Chittampahad	Nampally	Marriguda
36	Damera	Nampally	Marriguda
37	Gangubelly	Nampally	Marriguda
38	Hydlapur	Nampally	Marriguda

Sl.NO	Village	Mandal	Name of the basin
39	K. Thirumalgiri	Nampally	Marriguda
40	Kethepally	Nampally	Marriguda
41	Mallarajpally	Nampally	Marriguda
42	Medlavai	Nampally	Marriguda
43	Nampally	Nampally	Marriguda
44	Peddapoor	Nampally	Marriguda
45	T.P. Gowraram	Nampally	Marriguda
46	Begumpet	Rajapet	Rajapet
47	Bondugula	Rajapet	Rajapet
48	Jala	Rajapet	Rajapet
49	Kurraram	Rajapet	Rajapet
50	Lakshmakkapalli	Rajapet	Rajapet
51	Pamukunta	Rajapet	Rajapet
52	Raghunathapur	Rajapet	Rajapet
53	Rajapet	Rajapet	Rajapet
54	Singaram	Rajapet	Rajapet
55	Somaram	Rajapet	Rajapet
56	Gandamalla	Thurkapalli. M	Rajapet
57	Kacharam	Yadagirigutta	Rajapet