**Baseline study for Fisheries Development in Telangana state**

**ANN - 3.1**

Profile of Study Districts

The study is taken up in 9 of the 31 districts of the state. Selection of these districts was based on a number of socio-economic and natural resources and fisheries activities as also agro climatic diversity/characteristics. Brief and general description of the selected districts is discussed below:

**1.0 Kamareddy:**

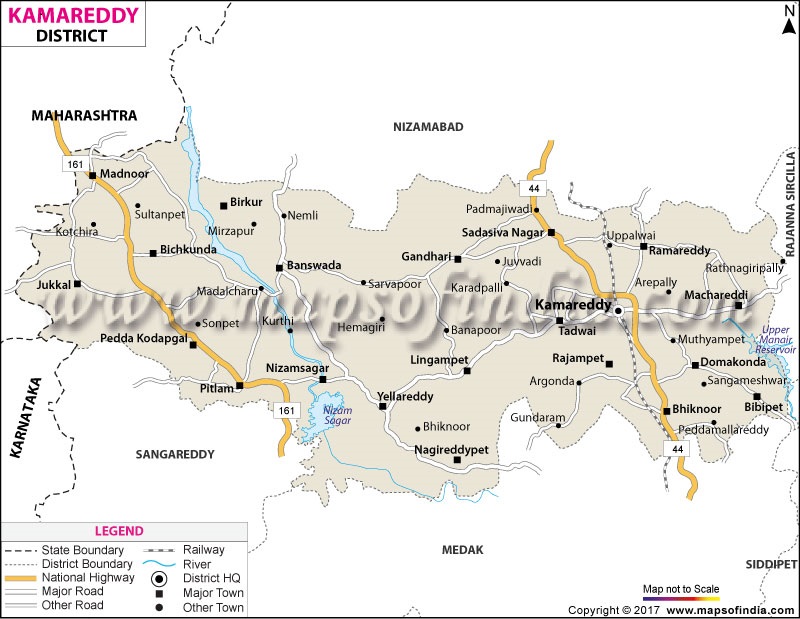
**General information:** The district lies at the Western part of the state and shares borders with Maharashtra in the West, Medak and Sangareddy in the south and Nizamabad in the north. In the east, it shares borders with Rajanna Sircilla district. It is one of the smaller districts with 3652 sq. kms of geographical area and constitutes 3.25% of the state area. Administratively it is made up of 3 Revenue Divisions, 22 Mandals, 478 revenue villages and 323 Gram Panchayats.

**Demography:** Census data of 2011 shows that the district has total population of 9.72 lakhs comprising 4.78 lakhs of males and 4.94 lakhs of females giving a comparatively higher MF ratio of 1000:1033. Over 87.35% of the population resides in rural areas while only 12.65% live in urban and semi urban areas. There are 2.225 lakhs Households in the district, giving an average family size of 4.4 persons. The population density is 266 persons/sq.km against state average of 312 persons.

**Overall literacy** is not very encouraging (56%). Of the overall literates, 67% represent males and 45% females. In other words, 44% of the population is illiterate. Further, 55% of the women are illiterate.

**Social strata** wise, there are 1.53 lakhs SC and 0.82 lakh ST households collectively accounting for 2.35 lakhs and representing about 24% of the total population**.**

**Work force** composition of the district is common to other districts with predominance of those engaged in agriculture and on-farm activities. Of the 4.94 lakh workers, males constitute 2.63 lakhs while females account for 2.31 lakhs. Overall percentage of workers to total population is 51%, which by any standard, is much higher than state average. Sector wise those engaged in agriculture related occupations is 3.46 lakhs (70%), followed by 1.03 lakhs “other workers” and 0.44 lakh engaged in household sector. Non-working population comprise 2.15 lakhs of males and 2.63 lakhs of female households.

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**Land holdings**: As for economic status, the **land holdings** estimated were 2.33 lakhs of which around 1.56 lakhs and 0.55 lakh were held by marginal and small farmers constituting around 91%.

**Gross cropped area** is estimated at 1.81 lakhs ha while net cropped area was 1.34 lakhs ha giving a crop intensity of 135%. Irrigation facility is available to as many as 0.46 lakh ha. Paddy occupies largest area (0.48 lakh ha) followed by Maize (0.35 lakh ha ), Pulses (variety of grams- 0.14 lakh ha, cotton (0.13 lakh ha) and sugarcane (0.10 lakh ha) respectively.

**Irrigation projects**: The district has 2 major and 3 minor irrigation works. Additionally, under Kakatiya Mission, as many as 1988 minor irrigation tanks have been completed so far. Approval for restoration of 764 tanks has been accorded under Mission Kakatiya I and II.

**Livestock population** comprise bovines i.e., large animals (3.84 lakhs like cattle and buffaloes) and small animals (7.6 lakhs sheep and goats and others in small number, aggregating to 11.69 lakhs). Additionally, as many as 13.94 lakhs poultry birds are also being maintained by households.

**Fisheries:** The water bodies of the district come under Godavari river basin. There is one large reservoir Nizamsagar project with TWSA of 12950 ha, part of UMD, one medium Pocharam Reservoir with TWSA of 1683 ha and one small reservoir Singethem with TWSA of 440 ha. The tank resources are represented by both 108 department tanks with a TWSA of 3534 ha and 254 Gram Panchayat tanks with a TWSA of 3656 ha. The total tank water bodies accounted 362 and 7190 ha. The annual fish production from all resources is estimated at 6585 tons during 2016-17.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total(ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 35 | 948 | 259 | 69 | 2327 | 1145 | 4 | 259 | 194 | 108 | 3534 | 1599 | 33 |
| GPT | 254 | 3656 | 936 | - | - | - | - | - | - | 254 | 3656 | 936 | 14 |
| **Total** | **289** | **4604** | **1195** | **69** | **2327** | **1145** | **4** | **259** | **194** | **362** | **7190** | **2535** |  |

Fisheries activities are carried out by fishermen in 143 FCS represented by 10321 members. The district has 21 FWCS with 1100 members and 86 MM’s groups.

**2.0 Karimnagar:**

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**General information:** This district lies on the northern part of Telangana and almost the heart of the state. It shares borders with Peddapalli in the north, Jayshankar in the east, Rajanna Sircila in the West and Warrangal in the South. Its geographical area spreads over 2178 square kilometers. Administratively, the district is divided into 2 Revenue Subdivisions, 16 Mandals, 210 Villages and 276 Panchayats.

**Demography:**  As per 2011 census, the population of the district was 10.05 lakhs comprising 5.04 lakhs of males and 5.01 lakhs of females, with a Male Female ratio of 1000:993. Number of houses is estimated at 2.58 lakhs. About 31% live in urban areas while 69% live in rural areas. This is different from other districts where the rural urban ratio is almost 90:10.

**Overall literacy:** The overall percentage of literates is 69%, while 77% among males are literates and similarly about 60% among female are literates.

**Social strata:** The social strata wise, SCs STs share to total population is around 31% which is considered to be significantly large in comparison with other Districts. Another 10% constitute minority population.

**Work force**: As many as 4.64 lakh persons are engaged in economic activities comprising 2.67 lakh males and 1.87 lakh females. Sector wise, those engaged in agriculture in the form of cultivators and agriculture labour account for 1.86 lakh representing 40%, those engaged in house hold works 0.19 lakh and others estimated at 1.80 lakhs.

**Land holdings**: Of the 1.54 lakh holdings, marginal and small farmers categories have largest share of 1.39 lakh or 90% of all holdings. Semi medium and medium farmers account for around 0.15 lakh (9%) and very small number of large holdings are observed.

**Gross cropped area** is 1.71 lakh hectares while net cropped area is estimated at 1.24 lakhs ha. Gross and net irrigated areas are estimated at 1.26 lakh hectares and 0.81 lakh hectares respectively. The crop intensity is 136%. The crop pattern includes paddy, followed by Cotton and Maize (0.33 lakh ha), followed by Horticulture crops

**Irrigation projects**: Additional 4 major and 3 medium irrigation projects are completed in the district. Under Mission Kakatiya, 1490 MI tanks are constructed and in another 516 MI tanks, reconstruction/ renovation works are approved under this Mission

**Livestock population:** The bovine population included large and small animals put together at 1.85 lakhs (cattle, buffaloes), while number of small animals (sheep and Goats) was substantially large at 4.94 lakhs. Additionally there were an estimated 0.14 lakh other animals. The district accounts for large number of poultry birds (19.50 lakhs).

**Fisheries**: The district has one large reservoir Lower Manair Dam with TWSA of 8097ha; and one small reservoir Gandipally reservoir with TWSA of 350 ha (Godavari river basin). As many as 416 tanks with a WSA of 5614 ha are used for production of fish. The tank resources is represented by 137 DPT with TWSA of 3047 ha and 279 GPT with 2567 ha. Fish production for the year 2016-17 was 22858 tons.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 60 | 1098 | 275 | 53 | 1445 | 723 | 24 | 504 | 378 | 137 | 3047 | 1375 | 22 |
| GPT | 279 | 2567 | 1925 | - | - | - | - | - | - | 279 | 2567 | 1925 | 09 |
| **Total** | **339** | **3665** | **2200** | **53** | **1445** | **723** | **24** | **504** | **378** | **416** | **5614** | **3300** |  |

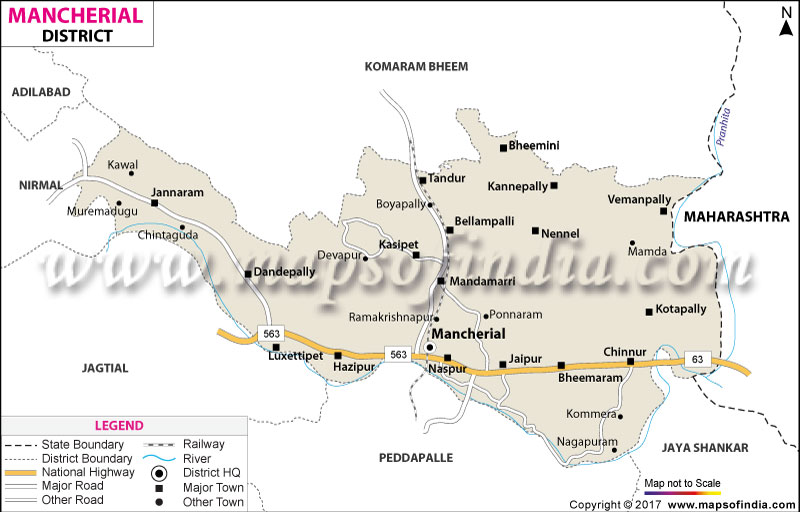
Fishery is practiced under organized activity with as many as 161 FCS functioning and a membership strength of 11800 persons. The district has 5 Fisher Women Cooperative Societies with over 197 members, 8 MM groups and one FMCS.

**3.0 Mancherial:**

**General information:** District is located in the northern region and carved out of the erstwhile Adilabad District and lies in the Eastern part of Telangana. It shares boundaries with Adilabad, Kumuram Bheem, Jagtial, Nirmal, Peddapally and Bhopalapally districts. It is a commercial hub catering to the coal belt of Singareni Collieries. The district has been divided into two Revenue Divisions, 18 Mandals, 210 Gram Panchayats and 384 villages.

**Demography:** The 2011 Central Census had estimated the district population at 8.07 lakh persons comprising 4.08 lakh males and 3.98 lakh females giving an M:F Ratio of 1000:978. As many as many as 2.08 lakh households had an average family size less than 4 persons. The population density at 201/ sq km was much lower when compared with the state average of 312.

**Overall literacy:** Overall literacy level was 64% with 73% among males and 53% among females.

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**Social strata:** Around 32% of the population belonged to SC and ST categories.

**Work force**: The number of persons engaged in different economic pursuits was estimated at 3.47 lakh representing 43% of the total population. This when compared with other districts , is considered to be lower. Cultivators and agriculture labour were estimated at around 57% of all workers. Considerably low level of workforce in agriculture sector and higher percent in “other works” is unique feature of workforce pattern of this district. The “other” workforce could be engaged in tertiary and ancillary activities as a support to the Collieries )

**Land holdings**: Of the 1.45 lakh holdings, the number belonging to marginal and small farmers was estimated at 1.23 lakh followed by 0.21 lakh holdings belonging to semi medium and medium farmers. Number of large holdings was quite insignificant.

**Gross cropped area:** The gross cropped area was 0.96 lakh ha and the net cropped area was 0.85 lakh ha. Three major crops were reported in the district i.e., cotton, paddy and Horticulture crops. Next in order of extent of area were Maize and pulses.

**Irrigation projects**: There are 3 major and 3 medium irrigation projects providing irrigation to the tillers. In addition, under Kakatiya Mission, 951 tanks were constructed. Also, work on renovation / restoration of 287 old tanks was approved under Kakatiya I and 2.

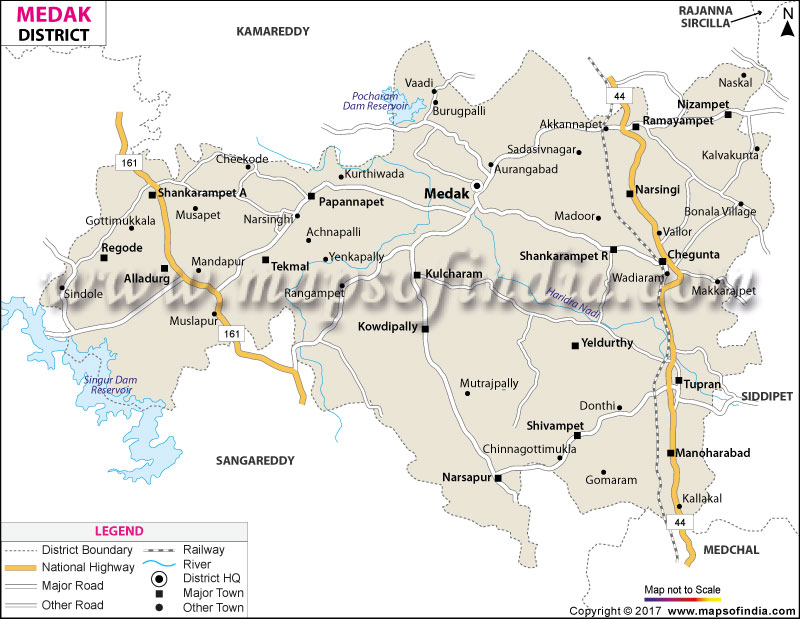
**Livestock population**: Comprised of 3.09 lakh large animals (cattle and buffaloes), 4.41 lakh small animals (sheep and goat) and other animals (0.05 lakh). The district also recorded huge poultry bird population (7.55 lakh) indicating that the households were engaged in livestock and poultry rearing activities on a large scale.

**Fisheries:** The district has 3 reservoirs with TWSA of 1676 ha (Godavari river basin). The tank resources comprise 270 minor water bodies with a TWSA of 6719 ha represented by 109 DPT with TWSA of 4281 ha and 161 GPT with 2438 ha. The estimated fish production was 4818 tons during 2016-17.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 35 | 1290 | 335 | 72 | 2795 | 1398 | 2 | 196 | 147 | 109 | 4281 | 1880 | 39 |
| GPT | 161 | 2438 | 639 | - | - | - | - | - | - | 161 | 2438 | 639 | 15 |
| **Total** | **196** | **3728** | **974** | **72** | **2795** | **1398** | **2** | **196** | **147** | **270** | **6719** | **2519** |  |

As many as 60 FCS are formed with 4568 members. The district has 54 PFCS with 4381 members, 2 exclusive SC PFCS and 4 ST PFCS with member strength of 79 and 108 respectively, 7 Fisher Women Cooperative Societies with over 245 members and 3 MM’s groups.

**4.0 Medak:**

**General information:** This district is situated in the north eastern part of Telangana State. It shares borders with Siddipet in the East, Sangareddy in the West and south and Kamareddy in the North. It is divided into three Revenue Divisions, and 20 Mandals. As many as 381 villages are covered by 320 Gram Panchayats.

**Demography:** As per Census 2011, the population of the district was 7.67 lakh comprising 3.38 lakh of males and 3.88 lakh of females giving a Male : Female Ratio of 1027. And the number of households was 1.68 lakh, giving the average size of the family at 4.6 persons. Over 91% of the population lives in rural areas. The population density was 275/sq km. However, as per Samagra Kutumba survey, the population of the district was 7.87 lakh and the number of households had increased to 2.19 lakh families.

**Overall literacy:** Only 56% of the population (65% among males and 45% among females) were estimated to be literates.

**Social strata:** The combined percent representation of Scheduled Castes and Tribes was around 26% (comprising 16.5% and 9.5% respectively).

**Work force**: Over 50% of the population represents work force engaged in different economic and productive activities, mainly in agriculture with 80% of total workforce) comprising cultivators and agriculture labour.

**Land holdings**: Of the 2.18 lakh total land holdings marginal and small holdings account for 2.05 lakh representing around 94% of total holdings. Number of large holdings is quite small and miniscule indicating predominance of small and marginal farmers.

**Gross cropped area:** Gross cropped area is estimated at 0.97 lakh ha while net cropped area is about 0.76 lakh ha. Of this, 55% of the area has irrigation facilities. Paddy and Maize are two major crops accounting for larger areas followed by cotton, horticulture crops and pulses (Grams).

**Irrigation projects**: one major and one medium irrigation projects are completed.

**Livestock population**: The bovine population comprised 2.8 lakh large animals (cattle and buffaloes), 5.34 lakh small animals (sheep and goat) and 58.5 lakh poultry population indicating significant level of income generating allied activities apart from on-farm occupations.

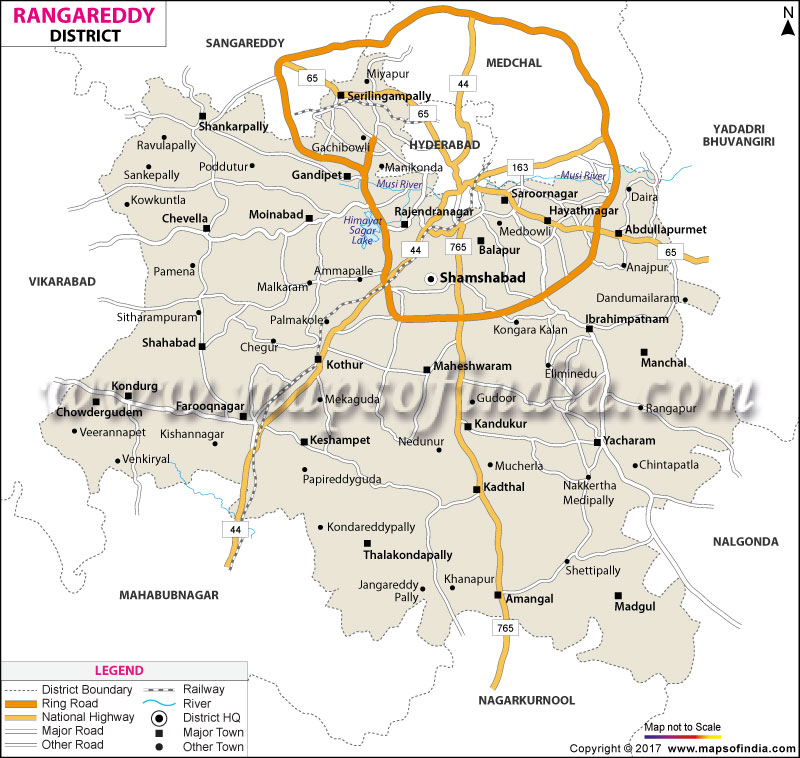
**Fisheries:**  The district is known for its fisheries resources and fish production. There are 2 small reservoirs (Haldi Project and Ghanapur anicut) with a TWSA of 450 ha (Godavari River basin) and part of one medium reservoir Pocharam reservoirwith TWSA of 1683 ha. The district has altogether 2475 tanks with gross WSA of 31316 ha comprising 315 DPT with TWSA of 21852 ha, 2160 GPT with 9464 ha. As per estimates, the district produced 6209 tons of fish during 2016-17.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 1 | 23 | 6 | 305 | 19971 | 9933 | 9 | 1858 | 1381 | 315 | 21852 | 11320 | 69 |
| GPT | 2160 | 9464 | 2366 | 0 | 0 | 0 |  |  |  | 2160 | 9464 | 2366 | 4 |
| **Total** | **2161** | **9487** | **2372** | **305** | **19971** | **9933** | **9** | **1858** | **1381** | **2475** | **31316** | **13686** |  |

There are as many as 206 Fishermen Cooperative Societies with a membership strength of 11126. The district has 197 PFCS with about 10676 members, 9 Fisher Women Cooperative Societies with over 450 members and 40 MM’s groups.

**5.0 Rangareddy:**

**General information:** Rangareddy is most urbanized district on account of it being in close proximity of Hyderabad, with a geographical area of 7493sq/ kms.

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**Demography:** As per 2011 Central census, the population of the district was 52.97 lakh comprising 27.01 lakh of males and 26.95 lakh of females. The M:F ratio is 1000: 961. The population is highly concentrated in urban agglomerations. In contrast with other districts, the rural population is 15.78 lakh while urban population is 37.19 lakh, giving a rural urban population ratio of 30:70.

**Overall literacy:** With predominantly urban population, the literacy level at 76% is higher than the state average of 75%. Besides, literacy among males was as high as 82% while that among females was 62%.

**Social strata:** The SC and ST population is around 16% of total population.

**Work force**: As many as 21.96 (41%) lakh persons are engaged in variety of economic pursuits of whom around 34% are main workers and 7% marginal workers. Sector wise 6.90 lakh are in agriculture (cultivators and agriculture labour), while 15.02 lakh persons are engaged in “other” activities and 0.73 lakh in household industries.

**Fisheries:** The district has one small reservoir Indiramma sagar with TWSA of 118 ha (Krishna River basin); The tank resources are mainly seasonal represent maximum 433 nos. with 12223 ha (GPT) followed by Department tanks 115 nos. with TWSA of 3984 ha. The overall tank resource of the district was 548 in nos. and 16,207 ha in TWSA.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 50 | 1325 | 347 | 63 | 2529 | 998 | 2 | 130 | 15 | 115 | 3984 | 1359 | 35 |
| GPT | 433 | 12223 | 6112 | - | - | - | - | - | - | 433 | 12223 | 6112 | 28 |
| **Total** | 483 | 13548 | 6459 | **63** | **2529** | **998** | **2** | **130** | **15** | **548** | **16207** | **7471** |  |

The fish production was 5510 tons during 2016-17. There are as many as 80 Fishermen Cooperative Societies with a membership strength of 5385. The district has 7 Fisher Women Cooperative Societies with over 406 members and 2 MM’s groups. Overall, the district has 87 societies with 5791 members.

**6.0 Wanaparthy**:

**General information:** The district is spread in over of 4816 sq.km of area. It lies in the centre of the state. Administratively the district has 444 villages, 401 Panchayats and 19 Mandals.

**Demography:**  As per 2011 Census, the population of the district was 12.38 lakh comprising 6.29 lakh males and 6.09 lakh females. Of them, rural population was around 10.79 lakh (87%) while urban population was 1.61 lakh (13%). Total number of households was 2.667 lakh with an average family size of 4.6 persons. The density of population was 257/sq.kms against state average of 312 persons /sq. km.

**Overall literacy:** The district is comparatively backward in respect of literacy level among women folk. The average literacy percent is 53%. While it is 63% in case of males it is just 42% in respect of females. This is much below the state average. Over 58% of women are estimated to be illiterates and this might become a hindrance to growth and empowerment.

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**Social strata:** Around 2.90 lakh persons belong to scheduled castes and scheduled tribes’ community constituting around 23%.

**Work force**: The district has 6.53 lakh of workforce of whom, 5.91 are main workers and 0.62 lakh are marginal workers.

**Land holdings:** There are 2.86 lakh holdings in the district, comprising 1.70 lakh marginal and 0.70 lakh small farmers constituting around 75% of total holdings followed by 0.45 lakh semi medium and medium holdings. Larger holdings are miniscule in number. This district has comparatively higher number of medium holdings.

**Gross cropped area:** The gross cropped area was 2.97 lakh ha while net cropped area was 2.60 lakh ha. The gross and net irrigated area are 1.41 lakh and 1.06 hectares. Area wise, paddy, pulses, groundnut, maize dominates. Other cash crops like sugarcane, tobacco and onion have smaller area.

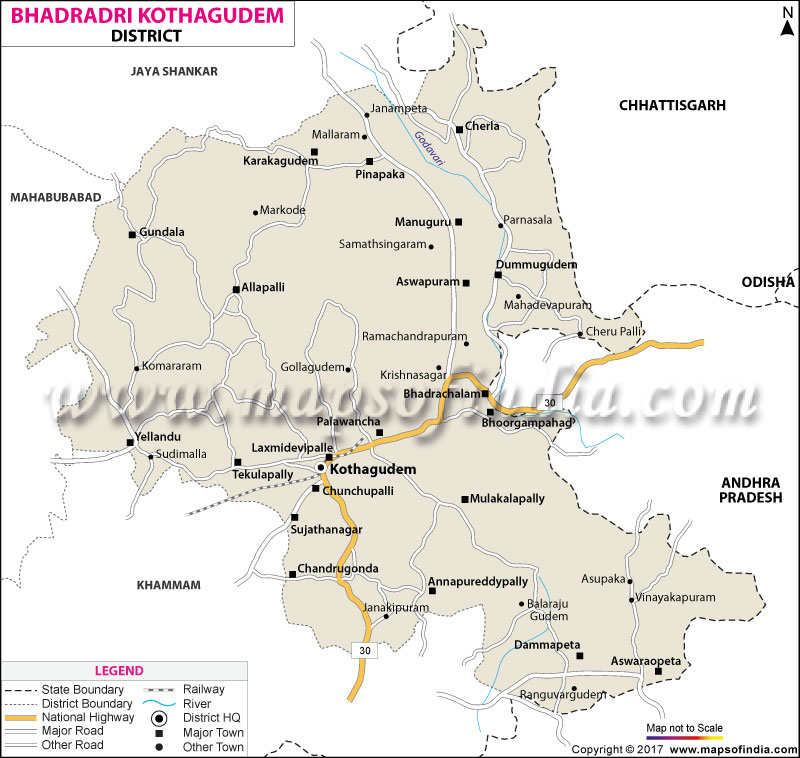
**Livestock population**: There were 19.03 lakh bovines comprising 3.72 lakh of large animals (cattle and buffaloes) and 15.14 lakh small animals ( predominantly sheep plus goat). Poultry population was estimated at 26.70 lakhs.

**Fisheries:** The district has altogether 5 reservoirs (one medium Sarlasagar reservoir and 4 small) with TWSA of 2105 ha (Krishna River basin). The district also has 20% share in Priyadarshini Jurala Project (large reservoir of 7188 ha TWSA). The tank resources account for 930 numbers and 10670 ha TWSA comprising 146 departmental tanks with TWSA of 8643 ha and 784 panchayat tanks with 2027 ha. The fish production during 2016-17 was 3657 tons.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 50 | 3004 | 758 | 68 | 4359 | 2173 | 28 | 1280 | 876 | 146 | 8643 | 3807 | **59** |
| GPT | 784 | 2027 | 1014 | - | - | - | - | - | - | 784 | 2027 | 1014 | **3** |
| **Total** | 834 | 5031 | 1772 | 68 | 4359 | 2173 | 28 | 1280 | 876 | 930 | 10670 | 4821 |  |

There are as many as 97 Fishermen Cooperative Societies with a membership strength of 5725 nos. The district has 9 Fisher Women Cooperative Societies with over 823 members and 15 MM groups. Overall, the district has 106 societies with 6548 members.

**7.0 Bhadradri Kothagudem**:

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**General information:** This District was carved out from erstwhile Khammam District and is situated in the eastern most part of Telangana. It shares borders with three of Telangana Districts namely Bhoopalapally, in the north, Mahabubabad in the west and Khammam in the south and Bijapur district of Chhattishgarh in the east. It is spread over 8284 sq. Kilometers. Administratively it has 18 Mandals, 211 Panchayats and 502 revenue villages.

**Demography :** As per 2011 Central Census, the population was estimated at 10.92 lakh made up of 5.43 lakh males and 5.49 lakh females. The District has comparatively higher females with the M:F ratio at 1000:1011. Over 69% of the population lives in rural areas while 31% represent urban population. The number of households was estimated at 2.86 lakh units. With the average household size at 3.80, predominance of small families is observed.

**Overall literacy** is 62% while 67% among males and 53% among females were estimated to be literate. About 47% of women folk were illiterates.

**Social strata** wise, this district has largest population of scheduled castes and scheduled tribes collectively accounting for 5.48 lakh or over 50%. Of this, the percentage of tribal to total population was substantially high at about 36% while the SCs represented 14%.

**Workforce:**  Like other districts of the state, this district also accounts for higher percent of workers to total population (i.e., 5.25 lakh or 48%). Among them, the share of main workers was 4.38 lakh and that of marginal workers was 0.88 lakh respectively.

**Land holdings:** There were 1.38 land holdings represented by 0.78 lakh marginal, 0.32 lakh small, 0.20 lakh semi medium and 0.05 lakh medium categories.

**Cropped area**: The gross cropped area was 1.43 lakh ha and net cropped area was 1.34 lakh ha. The Gross irrigated area was 0.54 lakh and net irrigated area was 0.48 lakh ha respectively. Paddy is predominant crop occupying 0.47 lakh ha followed by cotton (0.43 lakh ha ), 0.14 lakh ha of maize, and 0.06 lakh ha of pulses (varieties of grams). Among cash crops, moderate areas are under chilies and tobacco and small area under sugarcane constitute cropping pattern of the district.

**Irrigation projects**: The district has one major and six medium irrigation projects. There are minor irrigation tanks providing irrigation facilities, fishing and also other allied requirements of the communities. Recently, under the Kakatiya Mission, as many as 442 and 421 minor irrigation tanks have been approved to be repaired / renovated under Phase I and II respectively.

**Livestock:** The district has wide varieties of livestock. Of them large animals (cattle and buffaloes) accounts for 4.34 lakh, Small animals (sheep and goat) 3.30 lakh and poultry birds are estimated at 6.15 lakh, thus indicating fairly good level of allied activities prevalent in the district that provide assured source of income to households apart from agriculture and other on farm income.

**Fisheries:** There are 5 reservoirs with TWSA of 4296 ha. The medium reservoir Kinnersani with TWSA of 2601ha is designated for conservation of Crocodiles under the wild life and hence no fisheries activities are taken in the reservoir and 4 small reservoirs with 1695 ha (Godavari river basin). The overall tank resources accounted for 565 nos. with TWSA of 9401 ha comprising 83 DPT with TWSA of 4404 ha and 482 GPT with 4997 ha. The annual fish production during 2016-17 from all resources is estimated at 3956 tons.

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| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 46 | 1395 | 837 | 37 | 3009 | 1794 | - | - | - | 83 | 4404 | 2631 | 53 |
| GPT | 387 | 2593 | 648 | 95 | 2404 | 1202 | - | - | - | 482 | 4997 | 1850 | 10 |
| **Total** | **433** | **3988** | **1485** | **132** | **5413** | **2996** | **-** | **-** | **-** | **565** | **9401** | **4481** |  |

Fisheries activities are carried out by fishermen in 53 FCS represented by 15 non tribal PFCS comprising 1686 members, 31 tribal PFCS with 1012 members,7 FWCS with 210 members and 31 MM’s group. Overall, the district has 2908 members under the society folds.

**8.0 Mahabubabad:**

**General information:** The district was carved out of the erstwhile Warrangal district and shares boundaries with Kothagudem, Hanamkonda, Warangal, Suryapet and Khammam districts. The geographical area of the district is 2877 sq. Kilometers. The district is divided into 2 Revenue Divisions, 16 Mandals, 231 Gram Panchayats and 285 Revenue villages.

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**Demography:** As per 2011 central census, the population was 7.74 lakh comprising 3..88 lakh males and 3.86 females giving an equal M:F Ratio. There were 1.95 lakh households giving an average family size of 4 persons. Population density was at 269 persons/sq. km and is lower than state average.

**Overall literacy:** Literacy level at 57% of overall percent is much lower than state average of 75%. However, literacy among males is 68% while that in respect of females it was 48%.

**Social strata:** The district has predominant population of Scheduled castes and Tribes, estimated at 51% of total population.

**Work force**: As many as 4.07 lakh persons (males and females put together) were engaged in one or other economic pursuits representing around 52% of the population, of whom 3.27 lakh persons were engaged in agriculture (cultivators and agriculture labor) and constituted 83% of total workforce.

**Land holdings**: Of the 1.40 lakh land units, as many as 1.20 lakh belonged to marginal and small farmers accounting for around 86%, while in the next category (semi medium and medium size) there were 0.19 lakh holdings. The share of large units was miniscule and insignificant.

**Gross cropped area:** The gross cropped area was estimated at 1.41 lakh hectares while net cropped area was 1.05 lakh, indicating a crop intensity per cent of 134. Horticulture is predominant activity followed by cotton, paddy, Maize, Pulses, chilly and oilseeds. Crop intensity is higher when compared with other study districts.

**Irrigation projects**: Two major irrigation projects have been executed in the district. In addition, as a part of Mission Kakatiya, as many as 1954 minor irrigation tanks have been constructed and approval for renovation and restoration of 460 MI tanks has been accorded under Mission Kakatiya I and II

**Livestock population:** The bovine population (cattle and buffaloes) was 3.03 lakh heads, Small animals (sheep and goat) accounted for another 5.19 lakh heads. The other categories were in very small number.

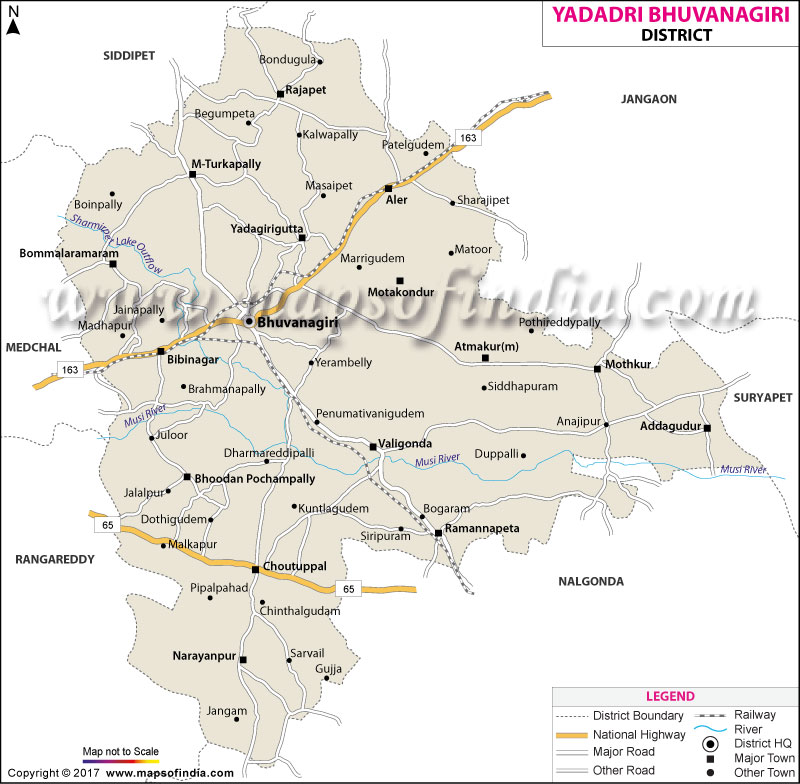
**Fisheries:** The district has no reservoirs. All the water bodies are represented by tank resources. The district has altogether 994 tanks with a gross WSA of 26894 hectares where fisheries operations are being carried out. The resources are represented by 210 Department tanks with TWSA of 10558 ha and 784 panchayat tanks with 16336 ha. (Godavari River basin). The estimated production of fish for the year 2016-17 was 10382tons.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **Total (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 0 | 0 | 0 | 202 | 8964 | 4482 | 8 | 1594 | 1196 | 210 | 10558 | 5678 | 50 |
| GPT | 784 | 16336 | 8168 | - | - | - | - | - | - | 784 | 16336 | 8168 | 21 |
| **Total** | **784** | **16336** | **8168** | **202** | **8964** | **4482** | **8** | **1594** | **1196** | **994** | **26894** | **13846** |  |

The district has 9949 fishermen who are members of 195 FCS apart from other non members. The district has 171 PFCs with 8646 members, 13 tribal societies with 604 members, 11 Fisher Women Cooperative Societies with over 699 members and 5 MM’s group.

**9.0 Yadadri Bhuvanagiri:**

**General information:** The district is carved out of erstwhile Nalagonda. Yadadri is surrounded by Nalgonda, Siddipet, Warrangal, Suryapet, Medchal and Shamshabad districts. It comprises 16 Mandals, and 2 revenue divisions. It is one of the pilgrim centers for Jains and others. There are 334 Gram panchayats and 300 revenue villages in the district. It is spread over 3092 sq.km.

**

**Demography:**  As per 2011 central census, the population of the district was estimated at 7.39 lakh comprising 3.74 lakh males and 3.65 lakh females. As many as 6.16 lakhs persons (83%) live in rural areas while 1.23 lakh (17%) are urban residents. Population density is lower at 239/sq. km. against state average of 312 /sq. km. The total number of household units was 1.81 lakh, giving an average household size of 4 persons / family unit.

**Overall literacy:** over 65% of the population is literates, comprising 75% males and 55% females.

**Social strata:** The SCs and STs collectively account for around 23% of total population. Minority population accounted for 10 % of total population.

**Work force**: Data on workforce shows that as many as 3.57 lakh persons (around 49% were engaged in different activities of whom 0.63 lakh were cultivators and 1.48 lakh were agriculture labours, collectively accounting for 2.11 lakh or 62% of total workforce. Of the remaining 0.17 lakh were engaged in household industries while rest were pursuing”other” occupations.

**Land holdings:** Out of 1.60 lakh holdings, as many as 0.91 lakh and 0.42 lakh holdings were held by marginal and small farmers respectively and collectively represented 83% of total holdings. In the next category 0.20 lakh holdings belonged to semi medium and 0.06 lakh were owned by medium farmers. Miniscule per cent of large holdings were observed.

**Gross cropped area:** The Gross cropped area was 1.21 lakh hectares while net cropped area was 1.02 lakh hectares. Gross and net irrigated areas accounted for 0.53 lakh and 0.40 lakh hectares respectively. The district has predominantly cotton growing area with 0.53 lakh hectares under this cash crop, followed by 0.52 lakh hectares under paddy (traditional staple food grain). Next in importance are Horticulture crops, grams and maize. Rest of cash crops and cereals has comparatively smaller areas.

**Irrigation projects**: There are 2 major and 1 medium irrigation projects in addition to 1082 minor irrigation tanks (Mission Kakatiya ) that are put to conjunctive use. Apart from this, under Kakatiya Missions 1 and 2, restoration / renovation of 470 minor irrigation tanks is approved

**Livestock population**: Among bovines, cattle and buffaloes account for 2.62 lakh while small animals comprising sheep and goat numbered 5.47 lakh. Poultry birds were estimated at 48.77 lakhs. Thus the district produces huge quantities of milk, meat, wool, poultry products and generates full/part time employment to large number of rural households.

**Fisheries:** Altogether the district has 1118 tanks with a TWSA of 12530 ha (Krishna river basin) comprising 145 DPT with TWSA of 10087 ha, 973 GPT with 2443 ha. The district has no reservoir resources. The fish production was 8013 tons during 2016-17.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Short Seasonal (ha)** | | | **Long Seasonal (ha)** | | | **Perennial (ha)** | | | **To**  **tal (ha)** | | | **Mean area (ha)** |
| **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** | **No.** | **TWSA** | **EWSA** |
| DPT | 64 | 3149 | 1579 | 79 | 5883 | 3835 | 2 | 1055 | 640 | 145 | 10087 | 6054 | 70 |
| GPT | 973 | 2443 | 611 | - | - | - | - | - | - | 973 | 2443 | 611 | 3 |
| **Total** | **1037** | **5592** | **2190** | **79** | **5883** | **3835** | **2** | **1055** | **640** | **1118** | **12530** | **6665** |  |

The district has 107 PFCS with 7800 members, one SC PFCS with 20 members 5 Fisher Women Cooperative Societies with over 170 members. Overall, the district has 113 PFCS with 7990 members.