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

**ANN – 3.2**

Reservoir resources in study districts and summary points on rivers and reservoir resources

* **Reservoir resources in study districts**

The study districts have as many as 20 reservoirs with a combined TWSA of 31725 ha. The reservoirs are represented by large category (two with 21047 ha) one each in Karimnagar and Kamareddy districts, medium (three with 5361 TWSA) one each in Bhadradri, Medak and Wanaparthy and small 15 nos with 5317 ha. The district wise distribution indicates presence of five reservoirs in Wanaparthy and Bhadradri followed by Mancherial with three reservoirs. These three districts collectively account for 65% of reservoirs in study districts. Karimnagar, Kamareddy and Medak have two reservoirs and Rangareddy has one. Both Mahabubabad and Yadadri districts have no reservoirs.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Study Districts (overall )** |  |  |  |  |  |
|  | **Reservoirs Category** | **Nos.** | **%** | **Seasonality** | | **TWSA (in Ha.)** |
| **P** | **LS** |
|  | Large | 2 | 10 |  |  | 21047 |
|  | Medium | 3 | 14 |  |  | 5361 |
|  | Small | 15 | 76 | 1 | 14 | 5317 |
|  | **Total** | **20** | **100** | **1** | **14** | **31725** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Study Districts** |  |  |  |  |  |
| **Sl.No.** | **District** | **No. of reservoir** | **%** | **Seasonality** | | **TWSA (in Ha.)** |
| **LS** | **P** |
| 1 | A1 - KMR - Kamareddy | 2 | 10 |  |  | 14633 |
| 2 | A2 - KRN - Karimnagar | 2 | 10 |  | 1 | 8447 |
| 3 | A3 - MAN - Mancherial | 3 | 15 |  | 3 | 1676 |
|  |  | **7** | **35** | **0** | **4** | **24756** |
| 4 | B4 - MDK –Medak | 2 | 10 |  | 2 | 450 |
| 5 | B5 - RGR - Rangareddy | 1 | 5 | 1 |  | 118 |
| 6 | B6 - WPY - Wanaparthy | 5 | 25 |  | 4 | 2105 |
|  |  | **8** | **40** | **1** | **6** | **2673** |
| 7 | C7 - BDR Bhadradri | 5 | 25 |  | 4 | 4296 |
| 8 | C8 - MBD - Mahabubabad |  | 0 |  |  | 0 |
| 9 | C9 - YDR -Yadadri |  | 0 |  |  | 0 |
|  |  | **5** | **25** | **0** | **4** | **4296** |
|  | **Total (Study district)** | **20** | **100** | **1** | **14** | **31725** |

**Reservoirs Distribution (River basin wise)**

|  |  |
| --- | --- |
| **Godavari river basin** | * Presence of all the large reservoirs of the study districts * Predominance of both medium and small reservoirs (80% and 78% respectively) * In over all terms, 14 reservoirs with TWSA of 29502 (93% in area) * Four reservoirs (Nijamsagar, Pocharam, LMD and Haldi project) are under licensing system and the rest under lease system |
| **Highlights** | * Majority of the reservoirs in study districts (75%) are small and the one at Wanaparthy district is smallest (Yenkunta reservoir, 50ha TWSA). The reservoir of Rangareddy (118 ha) is categorized under long seasonal. * In large reservoirs category, Sri Ramsagar project is the largest having an area of 33526ha (FRL) in Godavari basin and Srisailam Project in Krishna basin 27090 (FRL). * In Medium Reservoirs category, the largest reservoir is Rajiv Bhima LIS in Krishna River basin (4797 ha) and the smallest is Sarlasagar in Krishna River basin (1077 ha). * Out of 103 reservoirs, about 17 reservoirs are licensed to fishers * Others are being given on lease and patta system to the registered PFCS or tribals (traditional rights of tribals in notified agency areas in districts of Adilabad, Bhadradri, Khammam, Bhupalapalli, Mahabubabad etc). |

* **Summary points on rivers and reservoir resources**
* Rivers account for 1808 km total water spread and the contribution of resource to livelihoods of fishers is recognizable and to total fish production of the state is not significant.
* In TWSA, large reservoirs account for over 64% (134984 ha) followed by medium 22% (47012 ha) and small reservoirs 14% (28014 ha). In numbers, share of small reservoirs is over 71%, medium 20% and large reservoir nearly 9%.
* The mean area is 14998 ha for large reservoir followed by 2239 ha for medium and 384 ha for small reservoirs respectively.
* Out of 103 reservoirs, about 17 reservoirs are licensed to fishers and rest are being given on lease to the registered PFCS.