**ANN – 5.12**

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

Model for production of One crore spawn

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Assumptions** | **Output** |
|  | Egg to spawn | 52% |
| Spawn | Survival of Hatchlings to spawn: 80-85% | 100 lakh |
| Hatchlings | Hatchability : 80% | 123lakh |
| Fertilized eggs | Fertilization :80% | 154lakh |
| No of mature eggs | Fecundity : 0.8 lakh/kg body wt | 192 lakh |
| Breeders required |  | F: 240 ; M:240 |
|  | Breeding Response : 60% (240 +240) |  |
| No. of female breeders |  | 400 |
| No of male breeders |  | 400 |
| No. coming to condition | 50% (400 + 400) | 800 |
| Total number of breeders | 800 + 800 | 1600 kg (M: F; 1:1) |
| Area for raising breeders | @2000 kg/ha | 0.8 ha |