

Continued breeding of Cobia (F1 Generation) and larval production at Mandapam RC

Second successful spawning and larval production of cobia was achieved at Mandapam Regional Centre of CMFRI in September 2011. Here the males employed were of the F1 generation weighing around 16 kg which were obtained from the first successful spawning of cobia in March 2010. The female employed (around 30 kg) was from the broodstock developed from the wild collected fish. On 6th September 2011, the selected brooders were introduced in to a 100 ton cement tank with about 60 ton of filtered sea water. The brooders were induced with human chorionic gonadotropin (hCG) at doses of 500 IU per kg body weight for female and 250 IU per kg body weight for males. Spawning was observed at the early hours on 8th September 2011. The total eggs spawned were estimated to be 5 lakhs and about 28 % fertilization was recorded (fertilized eggs amounted to 1.4 lakhs). The eggs were collected by a 500 μ mesh and stocked in incubation tanks



F1 Generation male cobia

at varying densities. The eggs hatched after 18-24 hours of incubation at a temperature range of 28-30°C. The percentage of hatching was 90 % and the

total number of newly hatched larvae was estimated at 1.26 lakhs. Newly hatched larvae are being reared in tanks containing green water and appropriate live feeds.