

RESOURCE ECONOMICS AND MANAGEMENT

- Currently the private capital investment on fishing equipments in marine fisheries of India is estimated at Rs.7,366 crores, in which mechanised sector accounted for 80 percent, motorised 12 % and non-mechanised segment hardly



8%. At the national level, the capital productivity of MDF (2-5days) trawling (0.62) and the labour productivity (293 kg) were highest among the different gears operated. The capital productivity was the highest in AP, and the labour productivity was the highest in Kerala.

- At national level, fuel and crew wage accounted for 86-90% of operating cost/trip for all mechanized fishing operations and accounted for more than 82 per cent of the variation in the dependent variable namely the gross revenue per trip.
- At macro level, in the motorized sector, the capital productivity (0.60) & labour productivity of multi-day gillnets were the highest among all the gears operated.
- The non-mechanized gill net operation recorded the most efficient capital productivity (0.46) and labour productivity (63kg) among the different gears operated
- The operating cost per trip for single day trawlers was higher in the east coast (Rs.6623 per trip) compared to the west coast (Rs.6253). In terms of capital productivity, the trawlers in the east coast (0.56) performed better than the west coast (0.68). In case of labour productivity, the west coast were more efficient (65 kg/labour) than the east coast (57 kg/labour). In multi-day fishing (2-5 days), the capital productivity was efficient in the east coast (0.51) than the west coast (0.73). The labour productivity was also higher in the east coast (309 kg/labour/trip) than in the west coast (182 kg/labour/trip). In multi-day trawling of more than six days, the average operating cost per trip worked out to Rs.92,395 per trip in the east coast and Rs.57037 in the west coast. The labour productivity was also higher in east coast in terms catch per labour per trip (506 kg) than in west coast (259 kg)
- The average operating cost per trip of the purse seines worked out to Rs.18,488 out of which crew wage accounted for 63.73 per cent of the operating cost as purse seine is more labour intensive than other gears. The average gross revenue per trip worked out to Rs.32,486 from the catch of 2014 kg. The capital productivity was 0.53, which indicates the economic efficiency of the operation.
- Among motorised units, single day gill net operation earned revenue of Rs.3401 per trip in the east coast and Rs.7,069 per trip in the west coast with a national average of Rs.4624 per trip. The operating cost per trip was higher (Rs.5294 per trip) than the east coast (Rs.1827 per trip), which can be attributed to the higher fuel usage in the west coast, probably spent in search of the fishing grounds during their voyage.
- Operating cost per trip of the non-mechanised hooks & lines worked out to Rs.411 per trip against gross revenue of Rs.853 in the east coast. The operating ratio worked out to a 0.48, which indicated that nearly fifty percent of the gross revenue goes to meet the operating expenses leaving the rest for other expenses.

