

## Paired and unpaired trawling at Munambam F.H. and mini harbour

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Trawlers of Munambam F.H. and Munambam MiniHarbour after the initial catch of *Nemipterus* spp. in August had resorted to a different fishery in September 2013. The Trawlers had gone in pair and

in single form to exploit the *Trichurus lepturus*, *Sepia pharoanis* and *Loligo* spp. They had gone for 6-8 days of average fishing days per trip at a depth range of 30-40m for *Sepia pharoanis*, *Loligo* spp. and 70-80m

## Munambam fisheries harbour

| Date/ Species          | No. of units | Average catch / unit (kg) | Average rate / kg (₹) | Total revenue realized (₹) |
|------------------------|--------------|---------------------------|-----------------------|----------------------------|
| <b>03/09/2013</b>      |              |                           |                       |                            |
| <i>T. lepturus</i>     | 45           | 1175                      | 100                   | 52,87,500                  |
| <i>Loligo</i> spp.     | 45           | 719                       | 180                   | 58,23,900                  |
| <i>Sepia pharaonis</i> | 45           | 956                       | 250                   | 107,55,000                 |
| <b>13/09/2013</b>      |              |                           |                       |                            |
| <i>T. lepturus</i>     | 55           | 5462                      | 120                   | 3,60,49,200                |
| <i>Loligo</i> spp.     | 55           | 408                       | 180                   | 40,39,200                  |
| <i>S. pharaonis</i>    | 55           | 258                       | 240                   | 34,05,600                  |
| <b>18/10/2013</b>      |              |                           |                       |                            |
| <i>T. lepturus</i>     | 60           | 4880                      | 130                   | 3,80,64,000                |
| <i>Loligo</i> spp.     | 60           | 1311                      | 180                   | 1,41,58,800                |
| <i>S. pharaonis</i>    | 60           | 1882                      | 230                   | 2,59,71,600                |
| <b>22/10/2013</b>      |              |                           |                       |                            |
| <i>T. lepturus</i>     | 52           | 3061                      | 125                   | 1,98,96,500                |
| <i>Loligo</i> spp.     | 52           | 1044                      | 180                   | 97,71,840                  |
| <i>S. pharaonis</i>    | 52           | 833                       | 220                   | 95,29,520                  |
| <b>29/10/2013</b>      |              |                           |                       |                            |
| <i>T. lepturus</i>     | 62           | 5917                      | 120                   | 4,40,22,480                |
| <i>Loligo</i> spp.     | 62           | 1446                      | 180                   | 1,61,37,360                |
| <i>S. pharaonis</i>    | 62           | 1579                      | 230                   | 2,25,16,540                |

## Munambam mini harbour

| Date/ Species       | No. of units | Average catch / unit (kg) | Average rate / kg (₹) | Total revenue realized (₹) |
|---------------------|--------------|---------------------------|-----------------------|----------------------------|
| <b>06-09-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 24           | 883                       | 120                   | 25,43,040                  |
| <i>Loligo</i> spp.  | 24           | 276                       | 190                   | 12,58,560                  |
| <i>S. pharaonis</i> | 24           | 244                       | 250                   | 14,64,000                  |
| <b>07-09-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 16           | 1095                      | 130                   | 22,77,600                  |
| <i>Loligo</i> spp.  | 16           | 314                       | 190                   | 954,560                    |
| <i>S. pharaonis</i> | 16           | 229                       | 250                   | 9,16,000                   |
| <b>23-09-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 29           | 3750                      | 125                   | 1,35,93,750                |
| <i>Loligo</i> spp.  | 29           | 600                       | 180                   | 31,32,000                  |
| <i>S. pharaonis</i> | 29           | 369                       | 220                   | 23,54,220                  |
| <b>24-09-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 25           | 4725                      | 125                   | 1,47,65,625                |
| <i>Loligo</i> spp.  | 25           | 269                       | 180                   | 12,10,500                  |
| <i>S. pharaonis</i> | 25           | 177                       | 220                   | 9,73,500                   |
| <b>03-10-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 35           | 4996                      | 120                   | 2,09,83,200                |
| <i>Loligo</i> spp.  | 35           | 700                       | 180                   | 44,10,000                  |
| <i>S. pharaonis</i> | 35           | 1026                      | 230                   | 82,59,300                  |
| <b>04-10-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 22           | 2724                      | 130                   | 77,90,640                  |
| <i>Loligo</i> spp.  | 22           | 705                       | 180                   | 27,91,800                  |
| <i>S. pharaonis</i> | 22           | 870                       | 230                   | 44,02,200                  |
| <b>23-10-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 31           | 4033                      | 120                   | 1,50,02,760                |
| <i>Loligo</i> spp.  | 31           | 746                       | 180                   | 41,62,680                  |
| <i>S. pharaonis</i> | 31           | 817                       | 230                   | 58,25,210                  |
| <b>24-10-13</b>     |              |                           |                       |                            |
| <i>T. lepturus</i>  | 26           | 3170                      | 125                   | 1,03,02,500                |
| <i>Loligo</i> spp.  | 26           | 709                       | 180                   | 33,18,120                  |
| <i>S. pharaonis</i> | 26           | 609                       | 230                   | 36,41,820                  |

depth range for *T. lepturus*. The fishing ground was towards North West of Munambam F.H. The Trawlers with similar Horse power engines were paired together so that while trawling the speed of both trawlers could be well adjusted in such a way that the ropes of trawlnet will hold the mouth of the net with a maximum opening enabling and ensuring a better catch. The single trawlers had operated in the conventional method. While returning they go for the *Loligo* spp. or *Sepia pharaonis* catch so that both can be brought fresh to the harbour to fetch a better price.

Another observation made was that of the quality of *Trichirus lepturus* caught by Chinese engine trawlers and Indian engine trawlers. Chinese engine trawlers have higher capacity (280HP, 240HP-Yu-chai; 495HP- Waiche; 455HP Yanmar; 427HP- Sinotrek), so while they trawl, the impact on the fishes is more and there is a chance for the fishes in the trawlnet to roll off while hauling due to high speed. The silver enamel coating on the *T. lepturus* is sheared off so that it looks like an older catch. The price of *T. lepturus* with enamel (fresh looking) obtained ₹ 130/- per kg while that with less enamel (looking old) obtained ₹100/- kg as average prices.

This catch was witnessed in the start of September 2013, which had reached its peak by mid September and prevailed upto 1<sup>st</sup> week of October 2013. The catch details and the revenue obtained on observation days are given in the table.



*T. lepturus* kept for auction at Munambam fisheries harbour



Fresh looking *T. lepturus* kept for auction at Munambam fisheries harbour