

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 (₹)
03/09/2013				
<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
13/09/2013				
<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
18/10/2013				
<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
22/10/2013				
<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
29/10/2013				
<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 (₹)
06-09-13				
<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
07-09-13				
<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
23-09-13				
<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
24-09-13				
<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
03-10-13				
<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
04-10-13				
<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
23-10-13				
<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
24-10-13				
<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 1st 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