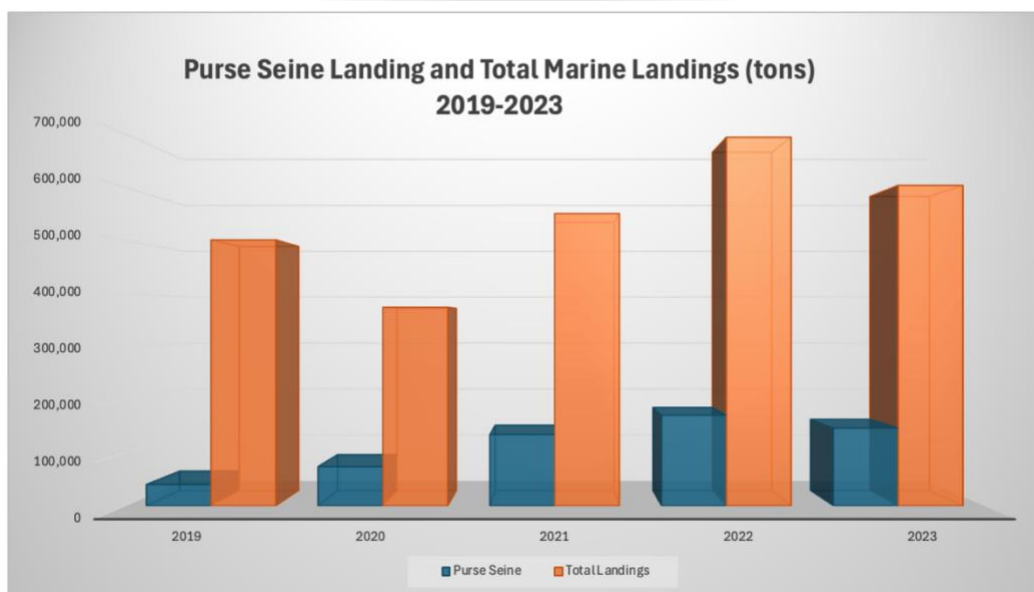


Annex 2: Species Composition and Stock Assessment Update

Central Marine Fisheries Research Institute (CMFRI) reported the landings of marine fish by purse seine along the Karnataka coast during the last five years ranged from 40,301 tons in 2019 to 170,832 tons in 2022 with an average catch of 113,247 tons during 2019-2023. The contribution (%) of the marine fish landed from purse seine to the total marine fisheries landing of the state during the preceding five years ranged from 8.0% in 2019 to 34.1% in 2022 with an average of 22.6% during 2019-2023 (Table 1)

Table 1: Marine fish landings (tons) from purse seine and its contribution to total marine fish landings (tons)

Year	2019	2020	2021	2022	2023	Average
Purse seine landings (tons)	40,301	74,003	134,539	170,832	146,558	113,247
Total marine landings (tons)	501,331	374,514	550,785	694,686	604,005	545,064
Contribution (%) from purse seine landings to total marine landings	8.0	14.8	26.8	34.1	29.2	22.6





Species Composition of Purse Seine Landings

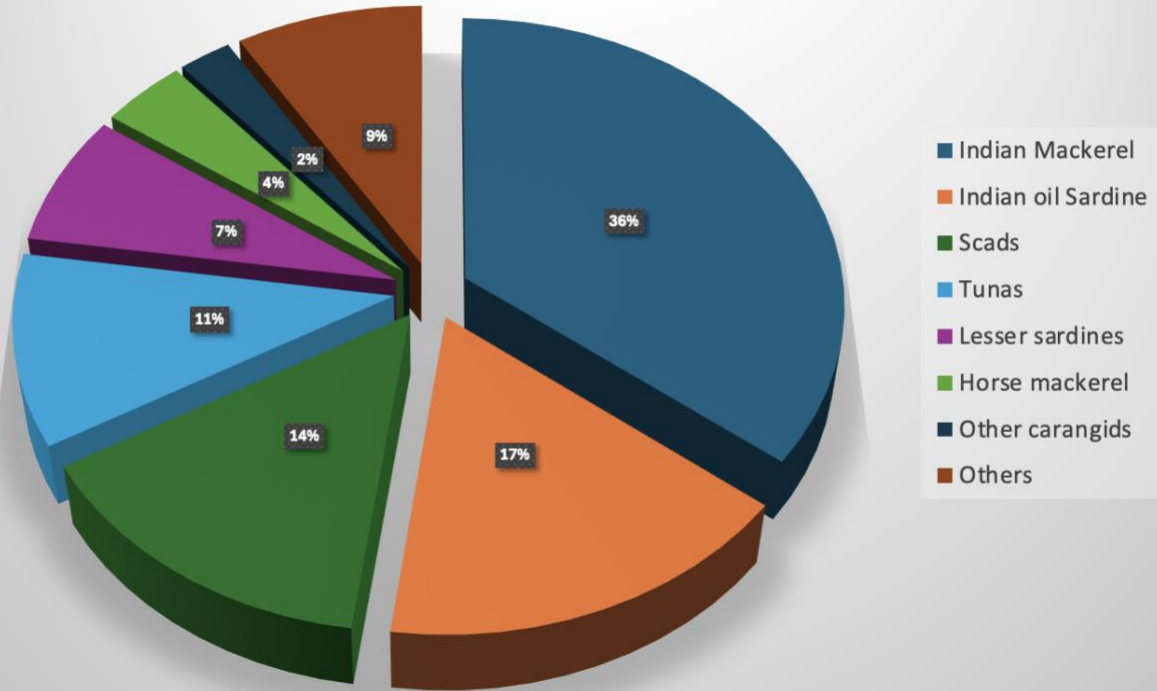
The average landings of major species/groups and their contribution (%) to total purse seine landings are given in Table 2.

Table 2: Average landings (2019-2023) and the contribution (%) of different species/groups landed by purse seine

SI No.	Species/Groups	Landings (ton)	Contribution (%) to total landing by purse seine
1.	Indian Mackerel	40,254	35.55
2.	Indian Oil Sardine	18,821	16.62
3.	Scads	16,359	14.45
4.	Tunas	12,196	10.77
5.	Lesser sardines	8,374	7.39
6.	Horse Mackerel	4,549	4.02
7.	Other Carangids	2,808	2.48
8.	Seerfish	1,919	1.69
9.	Ribbonfish	1,159	1.02
10.	Stolephorus	929	0.82
11.	Barracudas	780	0.69
12.	Squids	731	0.65
13.	Queenfishes	642	0.57
14.	Black pomfrets	438	0.39
15.	Others	3,288	2.90
	TOTAL	113,247	100%

Indian Mackerel forms the maximum contribution with more than 1/3 (35.55%) of landings of purse seine followed by Indian Oil Sardine (16.62%), Scads (14.45%), Tunas (10.77%), Lesser Sardines (7.39%), Horse Mackerel (4.02%), Other carangids (2.48%, carangids other than Scads, Horse Mackerel, and Queenfishes), Seerfish (1.69%), Ribbonfish (1.02%), Stolephorus (0.82%), Barracudas (0.69%), Squids (0.65%), Queenfishes (0.57%), and Black Pomfrets (0.39%).

Species Composition (%) of Purse Seine Landing



Ensuring Sustainability...

Stock Assessment Update

To conduct a stock assessment, it is essential to collect length-frequency data over a period of 2-3 years. Sampling of small pelagic fishes began in January 2023 with the inception of this project. Once the require sample size is achieved, a comprehensive stock assessment will be carried out, and a detailed report will be prepared and submitted.

YASHASWI FISH MEAL AND OIL COMPANY

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(भारतीय कृषि अनुसंधान परिषद)

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No 11-17/292/2022 mawh

26 Aug 2024

To
Yashaswi Fishmeal and Oil Company
Udyavara, Udupi

With reference to your letter dated 12.08.24, I am attaching herewith the report of the consultancy program on Fishery and stock assessment of small pelagic in purse seines along Karnataka coast, with your firm.

Regards

(HEAD)
HEAD

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