

GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
DEPARTMENT OF FISHERIES

RAJYA SABHA

UNSTARRED QUESTION NO. 2019
TO BE ANSWERED ON 23RD DECEMBER, 2022

Sustainability of fisheries and aquaculture

2019. DR. PRASHANTA NANDA:

Will the Minister of **Fisheries, Animal Husbandry and Dairying** be pleased to state:

- a) whether Government has conducted any study on the impacts of climate change on the sustainability of fisheries and aquaculture;
- b) if so, the details of such study;
- c) the estimated number of fishermen community affected by impact of climate change; and
- d) the strategies and steps taken by Government to protect the livelihood of fishermen community particularly in Odisha?

ANSWER

MINISTER OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING:

(SHRI PARSHOTTAM RUPALA)

(a) to (c): The fisheries research institutes under the aegis of Indian Council of Agricultural Research (ICAR), Government of India have been conducting research regularly for understanding the impacts of climate change in order to develop climate resilient strategies for sustainability of fisheries and aquaculture. The studies on the impact of climate change undertaken by ICAR institutes under “National Innovation in Climate Resilient Agriculture (NICRA)” include vulnerability assessment of the wetland fisheries in Assam, West Bengal, Bihar, Odisha and Kerala; climate trend analysis for major river basins across India; Impact on fish distributional range, catch composition and yield etc. In marine fisheries, studies on climate change modeling, projection on fish catch & mariculture production under climate change scenarios, risk and vulnerability assessment of marine fisheries, wetland mapping, carbon footprint, blue carbon potential, ocean acidification, response of capture and culture species to climate change and adaptive management in response to climate change are carried out under the NICRA Project. Climate campaigns and awareness programmes are also conducted in the states like Odisha, Assam, West Bengal, and Kerala in order to increase preparedness and adaptive capacity of fishers against climate change.

(d): The Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH&D), Government of India under the Pradhan Mantri Matsya Sampada Yojana (PMMSY) during the last two financial years and current year has accorded approvals to the fisheries development proposals of Government of Odisha at a total cost of Rs.603.30 crore for implementation of various fisheries related activities for overall development and welfare of fishermen in the State including livelihood and nutritional support for 20000 traditional and socio-economically backward fishermen families during the fishing ban period annually.
