In India, women have long had a high level of involvement in the work force of the marine fisheries sector. As shown in the 2005 national marine fisheries census, of the total 1,712,311 women, 365,463 are involved in fishery related activities viz. marketing, labour, processing, making/repairing of nets etc, which accounts for 48.3 percent of the fisher folk in fishing associated activities. Among those engaged in marketing as a subsidiary activity, 73.6 percent are women. Orissa and Andhra Pradesh have the maximum proportion of their women folk engaged in fishery related activities whereas West Bengal has the least among major maritime states. Analysis across the all India spectrum throws up a variegated but interesting picture on the status and role of women in fisheries. Online Analytical Processing cubes have been constructed taking into account the various categories viz. spatial, communal, infrastructure based and education status. An attempt has also been made to build a multi-dimensional model which may form the base for warehousing such gender specific information.