



MPEDA

Newsletter

VOL. XI NO. 8 NOVEMBER 2023

Foreign Trade Policy
2023

China Fisheries
and Seafood Expo 2023

Addressing the Challenge of
Invasive Armoured Catfish

Marine landing report
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CONTENTS



5

China Fisheries and Seafood Expo 2023



11

Foreign Trade Policy 2023



16

Addressing the Challenge of Invasive Armoured Catfish in Freshwater



24

Marine landing report September 2023



44

Ornamental fish – Geophagus



50

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On the Platter

D.V. Swamy IAS
Chairman

Dear friends,

The marine products exports for September 2023 have shown an impressive 8.73% growth in US dollar value compared to September 2022, a testament to the sector's resilience. Despite the half-yearly figures for the financial year 2023-24 showing a negative growth of 7.14%, with provisional export figures standing at 3.80 billion dollars, we remain hopeful. This decline in exports is attributed to a lull in demand in major markets such as the USA and EU. We anticipate that the year-end seasonal demand will help keep things on track.

As part of market promotional measures, MPEDA has participated in the China Fisheries and Seafood Expo along with 24 marine product exporters as co-exhibitors. The participation has not only been successful but has also evoked a very encouraging response in the market. This positive feedback will enhance trade with China in the coming months. Meanwhile, MPEDA has also geared up to participate in the World Food India (WFI) at New Delhi and Busan International Seafood Fisheries Expo in South Korea, both scheduled in November.

MPEDA organised a HACCP training programme for seafood technologists of the Bhimavaram region from 10th to 13th October 2023. The four-day programme was attended by 25 technologists representing the seafood processing units of the region.

The country's seafood export sector faces many non-tariff measures in the market, such as those of the EU, the USA, China, Korea, Thailand, Australia, etc. At times, the intentions of such blockades raise genuine concerns. While developed countries have all the wherewithal to put in provisions fine-tuned to their requirements, the developing and underdeveloped nations find it hard to meet the yardsticks, risking the livelihood of poor fishers and farmers in those countries.

The latest NTM among the lot is the intimation from the United States International Trade Commission (USITC) on the institution of US Litigation and commencement of preliminary phases of Countervailing Duty (CVD) Investigation against India under the Trade Act of 1930. This was in response to the petition filed by the Marine Shrimp Processors Association, which sought the imposition of CVD on shrimps imported from Ecuador, Indonesia, Vietnam, and India. The petitioner has alleged that these countries' frozen, warm water shrimps imported to USA benefits from the countervailable subsidies and caused material injury to the US domestic shrimp producing industry. MPEDA has swiftly initiated action to support the seafood industry exporters in filing their counter-responses, demonstrating our commitment to addressing trade barriers.

Given that international trade is experiencing a surge in barriers due to SPS—TBT measures, it is crucial that inter-institutional dialogues and knowledge sharing are strengthened and actively involve all stakeholders. This inclusive approach will help us devise effective measures to address such issues in trade forums, ensuring everyone's voice is heard and considered.

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Indian seafood diversity showcased at China Fisheries and Seafood Expo 2023



The 26th edition of China Fisheries and Seafood Expo (CFSE) was held at Hongdao International Exhibition and Convention Centre, Qingdao, China, from 25th to 27th October 2023. The event featured almost 1500 stalls including 16 country pavilions. The event was held in 12 exhibition halls and more than 30,000 seafood business professionals including key importers, distributors, retailers, and food service operators from 88 countries visited the show. The exhibitors included fresh, frozen and live seafood suppliers; seafood processors specializing in value addition and pre packaged seafood products, packaging and processing equipment, logistics service providers, aquaculture equipment and feed, trade associations and government agencies.



*Mr. Kishore Kumar V., Assistant Director, MPEDA
in discussion with a buyer*



*MPEDA Officers with Dr. Gautam Pandey, First Secretary
(Economics and Commerce), Eol, Beijing*

MPEDA participated in the event along with 24 exporters as co-exhibitors. Cooking demo with tasting session for Indian seafood items like shrimps, squid, seer fish and tilapia was arranged for the importers and buyers. Thai style sweet & sour shrimp, Muc Chien Gion-Vietnamese style crispy fried squid, Taiwanese style chilly lemon stir fried tilapia fish & Chinese style pan fried seer fish with soy black pepper sauce were provided during the tasting session.

In addition, MPEDA facilitated the participation of 12

MARKETING NEWS

more exporters in CFSE -2023. MPEDA's participation in the event was organized by Dr. Ansar Ali A., Deputy Director and Mr. Kishore Kumar V., Assistant Director. Dr. Gautam Pandey, First Secretary (Economics and Commerce) EoI, Beijing visited MPEDA pavilion and interacted with the co-exhibitors. List of companies which participated in CFSE 2023 and the list of trade enquiries received during the expo is provided in this edition of the newsletter. Co-exhibitors were able to refresh ties with existing buyers and got several new business leads.

CO- EXHIBITORS IN MPEDA PAVILION

1. M/s. Minaz Exports
2. M/s. Sun International
3. M/s. KMC Marine Exports
4. M/s. Shafi Marine
5. M/s. Favourite Exports
6. M/s. Shyam Marine Exports
7. M/s. Blue Marine Export
8. M/s. Rameshwar Cold Storage
9. M/s. Indian Exports
10. M/s. Goan Fresh Marine Exports Pvt Ltd
11. M/s. Baby Marine International Pvt Ltd
12. M/s. Vanita Foods
13. M/s. Asian Marine Foods
14. M/s. Cofoods Processors Pvt Ltd
15. M/s. West Coast Foods
16. M/s. Siddiq Seafood
17. M/s. NAS Fisheries Pvt Ltd
18. M/s. Evergreen Exports
19. M/s. Frontline Exports Pvt Ltd
20. M/s. Amaraavathi Exports Pvt Ltd
21. M/s. S.S International
22. M/s. Ahmed Foods
23. M/s. Silver Crustacea Exports
24. M/s. Authentic Ocean Treasure



Tasting session of Indian Seafood



Co-exhibitors Stalls

EXPORTERS OTHER THAN IN MPEDA PAVILION

1. M/s. Salet Seafoods Private Ltd
2. M/s. Jeelani Marine Products
3. M/s. S S Seafoods Pvt Ltd
4. M/s. Castlerock Fisheries Pvt Ltd
5. M/s. Sonia Marine Exports Pvt Ltd
6. M/s. Gadre marine Exports
7. M/s. Rafa Exports
8. M/s. Rupsa Fish Pvt Ltd
9. M/s. Noor Ice and Cold Storage Pvt Ltd
10. M/s. Rizwan Ice and Cold Storage
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MPEDA organizes exporters meet at Mumbai with State Bank of India



Officials from MPEDA RD Mumbai, SEAI & SBI during inauguration



Dr. T. R. Gibinkumar, Deputy Director, RD Mumbai addressing the gathering

MPEDA Regional Division, Mumbai conducted an exporters meet with State Bank of India (SBI) Mumbai Metro Circle on 12th October 2023 at Vashi in Navi Mumbai. The inaugural session was attended by Dr. T. R. Gibinkumar, Deputy Director, MPEDA Regional Division, Mumbai. Mr. Surender Rana (DMD - Agri SME & FI), Mr. G. S. Rana (CGM-MMC), Mr. A. S. Paul (CGM-Agri), Mrs. Sheeba Chithajan (DGM- SMEBU) and Mr. Siraj A. Dosani, Treasurer of SEAI, Maharashtra Region.

During her welcome address, Mrs. Sheeba Chithajan, DGM of SBI thanked MPEDA for coordinating exporters for this programme, and also thanked all the exporters for accepting the invitation and attending the meeting. Mr. Surender Rana, DMD from SBI Corporate Centre briefed about the role of SBI for SME enterprises. Mr. G. S. Rana (CGM-MMC) and Mr. A. S. Paul (CGM-Agri) also briefed about the services of SBI for the benefit of the SME sector.

Dr. Gibinkumar briefed about the activities of MPEDA and on the export performance of Indian marine products for the information of SBI officials. He highlighted the importance of India's new Foreign Trade Policy in enhancing the share of exports.

Subsequently, the Regional Treasury Marketing Unit (RTMU) team of SBI has given a presentation on the

products and services of SBI. The team elaborated the guidelines and new schemes of SBI tailor-made for the benefit of SME enterprises while doing exports to other countries. Detailed discussions were made on various trades, investment credit and banking related topics. The details of the services rendered by SBI for exporters are given below;

1. Pre Shipment Credit: It is also known as 'Packing credit' which is a loan/ advance granted to an exporter for financing the purchase, processing, manufacturing or packing of goods prior to shipment. SBI offers packing credit in the following two forms:

- **Export Packing Credit (EPC)** – It is given in Indian Rupee against confirmed export-order. Tenor of Credit will be dependent on manufacturing/trade cycle. Facility to book forward contract can be availed for conversion of export proceeds for the repayment of EPC. Quantum of finance will be up-to 90% of FOB value of contract or the domestic cost of the production.

- **Packing Credit in Foreign Currency (PCFC):** Pre-shipment Credit in Foreign Currency against confirmed export-order/ Letter Of Credit. Pre-shipment Credit in FCY (USD, EUR, GBP, JPY). PCFC is linked with SOFR (Secured Overnight Financing Rate) which is a benchmark interest rate for dollar-denominated derivatives and loans that replaced the London



View of officials and participants

Interbank Offered Rate (LIBOR). Indicative Rate Of Interest for a 6 month period will be SOFR (5.09%) + Spread (2%) with effective rate of 7.09%.

2. Post Shipment Credit: Post-shipment finance is an advance normally granted to an exporter of goods and services after shipment from India, till the date of repatriation of the export proceeds. The advance may be against shipping documents or on the security of duty drawback or export related receivables from Government of India. SBI follows two types of post shipment credit.

● **Negotiation/ Purchase/ Discounting in Rupee:** In these cases the Post-shipment Credit is given in INR. Liquidation is done through the completion of export

proceeds and by conversion into INR. The forward contract can also be booked for conversion of export proceeds. Exporter will also get the eligibility for Interest Equalization. The rate of interest will be the same as that of Pre-Shipment credit.

● **Export Bill Rediscounting (EBR):** In this option the Post-shipment Credit is given in foreign currencies such as USD, EUR, GBP & JPY. Unlike previous scheme, the liquidation in this scheme is done through the completion of export proceeds without conversion into INR. Option is available to utilize the forward contract for the disbursement of EBR. The rate of interest will be the same as that of Pre-Shipment credit.

3. Special Rupee Vostro Accounts (SRVA): RBI through its circular on 11th July, 2022, has authorised



Exporters and MPEDA officials with SBI officers

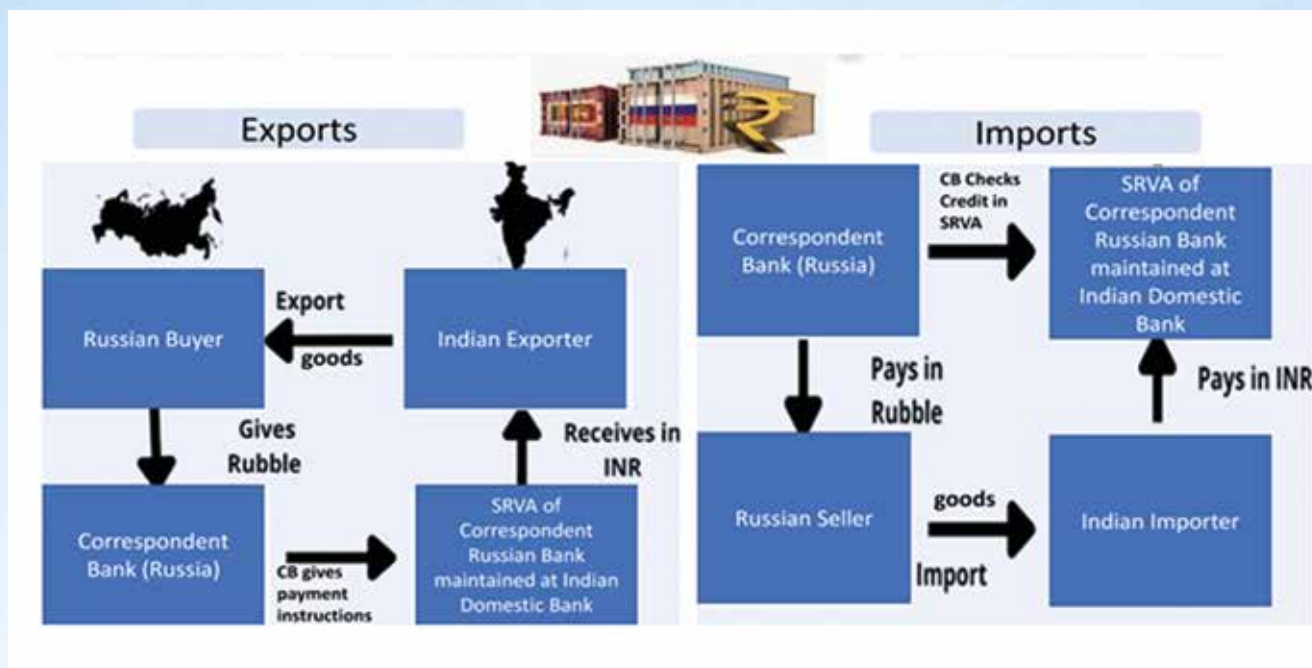


Fig-1: Flow diagram for Special Rupee Vostro Accounts

all the banks in India, including the State Bank of India, to open Special Rupee Vostro account to promote invoicing in Indian Rupee. Accordingly, SBI has made necessary arrangements and is processing requests received from various banks, including Russian banks, duly following RBI guidelines. The Indian banks that are part of the process include UCO Bank, Union Bank of India, SBI, IDBI, Indian Bank, Axis Bank, Bank of Baroda and PNB. Twenty Russian banks, including Gazprom, Rosbank, Tinkoff Bank, Centro Credit Bank and Credit Bank of Moscow, have opened Rupee vostro accounts with authorised dealer banks in India to enable Rupee trade between the two countries. Indian banks has appointed nodal officers to sort out issues faced by exporters. The working of SRVA is illustrated in the fig. 1.

4. Running Account Facility: A running account is an open and unsettled account that shows the reciprocal demands between parties. It is a type of account that exhibits ongoing debit and credit entries by two parties and has a fluctuating balance until either party finds it convenient to settle and close, at which time there is a single liability. Running account facility is extended to those exporters whose track record has been found good. The facility is also extended to Export Oriented Units (EOUs) or Units in Free Trade Zones or Export Processing Zones (EPZs) and Special Economic Zones (SEZs).

5. Extension of Treasury Bill (T-Bill) Rates to Rupee Export Packing Credit (EPC):

Treasury bills are money market instruments issued by the Government of India as a promissory note with guaranteed repayment at a later date. Funds collected through such tools are typically used to meet short term requirements of the government, hence, to reduce the overall fiscal deficit of a country. They are primarily short-term borrowing tools, having a maximum tenure of 364 days. Risk free nature, high liquidity and non-competitive bidding are the advantages of T-bill. The primary disadvantage is that they generate relatively lower returns. The total returns generated will remain constant through the tenure, irrespective of economic conditions and business cycle fluctuations. Short Term Capital Gain (STCG) realised on these bills is subject to STCG tax.

SBI extends T-bill linked Rupee Export Packing Credit (EPC) to exporters irrespective of their Credit Risk Assessment (CRA) & Earnings Credit Rate (ECR) with nominal interest rates.

SBI officials cleared the doubts raised by the exporters during the discussion session. Mrs. Kameswari G., Chief Manager, Small and Medium Enterprises Business Unit (SMEBU) proposed the vote of thanks.

39 seafood exporters from the Maharashtra region attended the meeting. The meeting culminated with a networking dinner, where the SBI officials gave more clarity on the SBI services to the individual exporters.

MAIN STORY

Foreign Trade Policy 2023



Dr. T. R. Gibinkumar

Deputy Director, MPEDA, Regional Division Mumbai, Panvel

The Foreign Trade Policy (FTP) 2023 was notified by the Central Government, in exercise of powers conferred under Section 5 of the Foreign Trade (Development & Regulation) Act, 1992 (No. 22 of 1992). FTP 2023 was launched by Mr. Piyush Goyal, the Union Minister of Commerce and Industry, Consumer Affairs, Food and Public Distribution and Textiles on 31st March 2023, which came into effect from 1st April 2023. The new policy replaces the Foreign Trade Policy 2015-20, which was extended till 31st March 2023. Unlike previous editions, FTP 2023 is based on continuity of time-tested schemes facilitating exports as well as a document which is nimble and responsive to the requirements of trade. The new FTP is dynamic and has been kept open-ended without mentioning any expiry date. Hence, DoC has broken the usual tradition of launching FTPs for 5 years and the document will be kept open to accommodate the emerging needs of the time.

Highlights of FTP 2023

The policy is based on the principles of trust and partnership with exporters and aims at process re-engineering and automation to facilitate ease of doing business for exporters. The key approach of FTP 2023 is based on Four Pillars:

- Incentive to Remission,
- Export promotion through collaboration - Exporters, States, Districts, Indian Missions,
- Ease of doing business, reduction in transaction cost and e-initiatives, and
- Emerging Areas – e-commerce Developing Districts as Export Hubs and streamlining Special Chemicals, Organisms, Materials, Equipment, and Technologies (SCOMET) policy.

Targets envisaged in FTP 2023

The government aims to increase India's overall exports to USD 2 trillion by 2030, with equal contributions from the merchandise and services sectors. It is also envisaged to bring the contribution of export to 25% of GDP. The government also intends to encourage the use of the Indian currency in cross-border trade, aided by a new payment settlement framework introduced by the RBI in July 2022. This could be particularly advantageous in the case of countries with which India enjoys a trade surplus.

Salient features of FTP 2023

- Targets \$2 Trillion exports by 2030
- Continuous and responsive framework with no end date
- Making Rupee a global currency
- Making India a trade hub
- Digitisation and faster processing of applications
- Amnesty scheme for shortfall in export obligations
- Restructuring of Department of Commerce
- Over 50% reduction in threshold for recognition of star trade houses

Process Re-Engineering and Automation

- The policy emphasizes export promotion and development, moving away from an incentive regime to a regime which is facilitating, based on technology interface and principles of collaboration.
- Reduction in fee structures and IT-based schemes will make it easier for MSMEs and others to access export benefits.
- Duty exemption schemes for export production will now be implemented through Regional Offices in a rule-based IT system environment, eliminating the need for manual interface.



Towns of Export Excellence (TEE)

- Four new towns, namely Faridabad, Mirzapur, Moradabad, and Varanasi, have been designated as TEE in addition to the existing 39 towns.
- These towns must produce goods of at least ₹750 crore (₹150 crore if production happens in handloom, handicraft, agriculture and fisheries) based on potential for growth in exports.
- Recognised associations in TEE will be provided with assistance under the Market Access Initiative (MAI) scheme on a priority basis.
- The TEEs will be able to avail Common Service Provider (CSP) benefits for export fulfillment under the Export Promotion Capital Goods (EPCG) Scheme.

Recognition of Exporters

- Exporter firms recognized with 'status' based on export performance will now be partners in capacity-building initiatives on a best-endeavor basis.
- Similar to the 'each one teach one' initiative, 2-star and above status holders would be encouraged to provide trade-related training based on a model curriculum to interested individuals.
- Status recognition norms have been re-calibrated to enable more exporting firms to achieve 4 and 5-star ratings, leading to better branding opportunities in export markets.

Promoting Export from the Districts

- The FTP aims at building partnerships with State governments and taking forward the Districts as Export Hubs (DEH) initiative to promote exports at the district level and accelerate the development of grassroots trade ecosystem.
- Efforts to identify export worthy products & services and resolve concerns at the district level will be made through an institutional mechanism – State Export Promotion Committee and District Export Promotion Committee at the State and District level, respectively.
- District specific export action plans to be prepared for each district outlining the district specific strategy to promote export of identified products and services.

Streamlining SCOMET Policy

- India is placing more emphasis on the "export control" regime as its integration with export control regime countries strengthens.
- There is a wider outreach and understanding of SCOMET among stakeholders, and the policy regime is being made more robust to implement international treaties and agreements entered into by India.
- A robust export control system in India would



provide access of dual-use high end goods and technologies to Indian exporters while facilitating exports of controlled items/technologies under SCOMET from India.

Facilitating E-Commerce Exports

- Various estimates suggest e-commerce export potential in the range of USD 200 to USD 300 billion by 2030.
- FTP 2023 outlines the intent and roadmap for establishing e-commerce hubs and related elements such as payment reconciliation, book-keeping, returns policy, and export entitlements.
- As a starting point, the consignment wise cap on e-commerce exports through courier has been raised from ₹5 Lakh to ₹10 Lakh in the FTP 2023.
- Depending on the feedback of exporters, this cap will be further revised or eventually removed.
- To promote e-commerce exports, the Niryat Bandhu Scheme (NBS) will have a provision for the promotion of e-commerce. The NBS is aimed at mentoring new and potential exporters on foreign trade. The government also aims to designate certain areas as E-Commerce Export hubs (ECEH). The ECEH can provide for storage, packaging, labelling, certification and other facilities. It can also provide dedicated logistics infrastructure for connecting to nearest logistics hubs.

Facilitation under EPCG Scheme

The EPCG Scheme, which allows import of capital goods at zero customs duty for export production, is being further rationalized. Some key changes being added are:

- Prime Minister Mega Integrated Textile Region and Apparel Parks (PM MITRA) scheme has been added as an additional scheme eligible to claim benefits under CSP (Common Service Provider) Scheme of EPCG.
- Capital goods imported under the EPCG scheme for physical exports are exempt from IGST and Compensation Cess. Exporters have to fulfill certain export obligations if they avail this scheme.
- Sectors such as (i) Handicrafts, (ii) Handlooms, (iii) Industries covered under Khadi and Village Industries Commission (KVIC) (iv) Agriculture (v) Aquaculture (including Fisheries), Pisciculture, (vi) Animal husbandry and Dairying, (vii) Floriculture & Horticulture, (viii) Poultry, (ix) Viticulture, (x) Sericulture, (xi) Carpets, (xii) Coir, and (xiii) Jute are exempted from maintaining Average Export Obligation.
- However, this exemption shall not be allowed for import of fishing trawlers, boats, ships and other similar items.
- Battery Electric Vehicles (BEV) of all types, Vertical

Farming equipment, Wastewater Treatment and Recycling, Rainwater harvesting system and Rainwater Filters, and Green Hydrogen are added to Green Technology products – will now be eligible for reduced Export Obligation requirement under EPCG Scheme

Facilitation under Advance Authorization Scheme

- Advance Authorisation Scheme accessed by DTA (Domestic Tariff Area) units provides duty-free import of raw materials for manufacturing export items and is placed at a similar footing to EOU and SEZ Scheme.
- Special Advance Authorisation Scheme extended to export of apparel and clothing sector on self-declaration basis to facilitate prompt execution of export orders.
- Benefits of Self-Ratification Scheme for fixation of Input-Output Norms extended to 2 star and above status holders in addition to Authorized Economic Operators at present.

Amnesty Scheme

- Under the amnesty scheme, an online portal will be launched for registration and a six-month window will be available to exporters to avail the scheme.
- It will cover all pending cases of default in export obligation of authorisations, these can be regularised on payment of all customs duties exempted in proportion to unfulfilled export obligation.

Principles of Restrictions

- Under the general provisions regarding imports and exports it is mentioned that through specific notification, DGFT may impose 'Prohibition' or 'Restriction' on imports of fisheries product, imported in any form, for enforcement of governmental measures to restrict production of the domestic product or for certain other purposes.

Observations on new FTP with special reference to fisheries

- The dynamic and open ended structure of the new FTP is a major drift from the tradition that makes it flexible and futuristic. The earlier trade policies rather confined to short-term measures focused on a few incentives that were hardly sustainable and showed little strategic intent.
- Being flexible the policy will be able to address

and accommodate the ever-changing needs of international business and our trading community as and when required.

- The new policy is generally intended to mark a move from the traditional policy for giving incentives to a policy that will focus on remission.
- The policy stress that the development with export promotion needs to start from the district level.
- More clear-cut and target based responsibilities has been entrusted on the Indian Missions abroad.
- More focus will be on promoting the ease of doing business and clear stress has been given on emerging areas like e-commerce and export hubs.
- The principles of restriction suggested for fisheries products seems to be a hindrance as seafood raw material import is advocated by MPEDA for re-processing & exports. Through this MPEDA aim to resolve the issues such as underutilization of installed processing capacity, seasonality cum shortage of raw materials etc. More clarification in this regard may be brought in by DGFT or DoC without being deleterious to domestic fisheries.
- AEKK (Aroor, Ezhupunna, Kodanthuruthu & Kuthiathodu), Bhubaneswar, Visakhapatnam and Bhimavaram were the Towns of Export Excellence (TEE) pertaining to seafood mentioned in the previous FTP with a minimal production target of ₹ 150 crore. The same is extended in new FTP also, which offers priority in MAI & EPCG entitlements in addition to tax benefits. Towns like Surat and Ratnagiri can be suggested to be declared as TEE under seafood category.

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Addressing the Challenge of Invasive Armoured Catfish in Freshwater Ecosystems of Tamil Nadu and Pondicherry: Utilizing CIFT Technological Solutions for Mitigation

Chandrasekar. V., Elavarasan. K. A. Suresh, Geethalakshmi V. & Nikita Gopal
ICAR-Central Institute of Fisheries Technology, Kochi-29, e-mail: vcsecon@gmail.com



Fig. 1: Invasive suckermouth armoured catfish (*Pterygoplichthys* spp.)

The freshwater ecosystems of Tamil Nadu and Pondicherry are of utmost ecological and economic significance. Presently, they grapple with a formidable challenge in the form of the invasive Sucker-mouth armoured catfish native to South America, commonly referred to as the "Devil-fish" (Suckermouth armoured catfish; *Pterygoplichthys* spp.) (Fig. 1), which has infiltrated freshwater aquaculture ponds and major river systems in the region. Globally, invasive species like the armoured catfish present a severe ecological threat, disrupting ecosystems and jeopardizing native species (Parvez, 2023). Platforms such as the Convention on Biological Diversity (CBD) and the International Union for Conservation of Nature (IUCN) emphasize the need to prevent the introduction

and mitigate the impacts of invasive species. In India, especially in eastern coastal states like Tamil Nadu, Andhra Pradesh, Orissa, and Pondicherry, similar challenges with invasive species are encountered. National bodies like the National Biodiversity Authority (NBA) and the Ministry of Environment, Forest and Climate Change (MoEFCC) have formulated guidelines to tackle this issue (NBA, 2018). The rapid proliferation of this invasive species, fuelled by its aggressive feeding behaviour and prolific reproduction including a polluted environment, has disrupted aquatic ecosystems. This has resulted in diminished catch per unit effort, fishing nets and gear damage, and income loss for fishermen, significantly impacting their livelihoods. Additionally, the invasion has adversely affected feed conversion



ratios in fish farming, leading to economic setbacks for aquaculture farmers (Seshagiri, 2021). However, there is an urgent need for comprehensive strategies that integrate technological innovations with community involvement.

Tamil Nadu boasts a substantial inland fishery resource spread across 3.85 lakh hectares, encompassing 62 reservoirs, large irrigation and short seasonal tanks, and brackish water areas. This region sustains a population of 2.36 lakh inland fisherfolk. In the fiscal year 2020-21, the inland fisheries sector contributed 1.75 lakh tones of fish. District-level surveys with key informants (fish farmers) have revealed losses ranging between 30% to 50% in various regions, including Nagapattinam, Thanjavur, Thiruvarur, Kancheepuram, Cuddalore, and Pondicherry / Karaikal. Other states also report similar trends. Following assessments, policy recommendations were formulated in consultation with various stakeholders to more effectively combat this issue through a multi-pronged approach. Policy-level

changes are imperative to address the ecological and economic threats posed by this invasive species. This paper delineates various interventions as pivotal steps towards mitigating this issue.

1. Establish a fishery buying policy to incentivize their removal from aquatic ecosystems:

Implementing a fishery buying policy is crucial to encourage the removal of invasive armoured catfish from aquatic ecosystems. This policy is central to our comprehensive strategy for addressing the invasive catfish issue effectively. It establishes a dynamic purchasing program, ensuring fair compensation for inland fish farmers actively participating in invasive armoured catfish removal. The compensation structure to market rates for value-added products derived from the invasive species guarantees equitable remuneration. Currently, invasive catfish are discarded as waste, yielding no economic returns and incurring additional operational costs. The procurement policy



turns discarded invasive catfish into a valuable asset, motivating local fish farmers to participate in eradication initiatives. This policy aligns economic interests with environmental stewardship, contributing significantly to ecological restoration while providing income to local communities and fishermen.

2. Promote non-edible value-added products from invasive armoured catfish:

a. Fish Meal and Oil: Invasive fish can be processed into fish meal, a high-protein ingredient used in animal feed production, particularly for aquaculture and poultry.

b. Fish Amino Acids/Protein Derivatives: Extracting amino acids from invasive fish can lead to the production of fish amino acids, which are valuable in the formulation of organic fertilizers and enrich soil and plant growth enhancers in agriculture and horticulture crops.

c. Fish Manure: Invasive fish can be utilized to create

organic fertilizers rich in essential nutrients, enhancing soil fertility and promoting plant growth.

3. Promote specialized fishing gear to capture invasive catfish:

Advocate the use of appropriate fishing gear for effective invasive catfish harvesting. Implement measures to prevent their inter-pond movement. This specialized equipment is a crucial stride in cost-effective and efficient invasive species management. By giving priority to its development, we address this challenge responsibly, endorsing sustainable fishing practices. This strategy strives for equilibrium between conservation efforts and economic sustainability, guaranteeing flourishing ecosystems cater to local fishery demands.

4. Community engagement, provide training for invasive species management and resource conversion:

To control invasive catfish, it is recommended to involve local communities in managing the issue. Use selective

harvesting in affected water areas and process the harvested fish into useful products like fish amino acid and compost etc., through a shredder unit. This can be done by establishing collection points at KVKs or inland fisheries societies, providing fair compensation to fishers, and encouraging them to increase catfish harvesting. Additionally, offer training to interested farmers on producing fish amino acid from harvested catfish as a way to generate income. It is crucial to provide comprehensive training on turning discarded catfish into non-edible value-added products to effectively manage the problem and boost profitability.

5. Marketing of value-added products developed from armoured catfish:

Implement an effective procurement policy that facilitates convenient delivery to a central collection point, such as the Inland Fish Farmers Society or the district-level KVK with established processing facilities, where products are developed. The packaging quantity will be determined based on the specific crop cultivation needs in that region. This collaborative effort will stimulate the catfish market, enabling the production of cost-effective, fish-based non-edible value-added products. This, in turn, will greatly benefit agriculture farmers, as they can achieve higher yields by incorporating affordable and high-quality fish-based inputs into their agricultural practices. Additionally, if farmers observe increased crop yields from fish-based fertilizers, they may opt to collect fish waste and develop their supply. Our holistic approach enhances the economic viability of fishing, fortifies local ecosystems, and mitigates invasive species' impact, aligning with our overarching goal.

Monitoring and evaluation

The establishment of a comprehensive Monitoring and Evaluation framework is paramount to our initiative's success. This system will enable us to rigorously assess the economic impact of our proposed interventions. It involves continuous tracking of various critical parameters including the decrease in armoured catfish catch during harvest, the rise in native species catch, the increase in farm-level income, the guarantee of a fixed price for the armoured catfish, and the revenue generated from value-added products derived from the trash fish. By closely monitoring these key indicators, we can gauge the effectiveness of our strategies, identify areas for improvement, and ensure that our efforts yield tangible economic benefits for the stakeholders involved in the fight against invasive catfish.

Conclusion

In conclusion, addressing the invasive armoured catfish challenge in Tamil Nadu and Pondicherry's freshwater bodies through CIFT technological interventions offers a unique opportunity. Beyond ecological restoration, it enhances the region's economic well-being. Our policy advocates the implementation of a catfish procurement policy and promotes the transformation of low-value fish into economically valuable non-edible products, selective fishing gear design, and the provision of training for aquaculture farmers. This comprehensive strategy not only mitigates the invasive catfish issue but also transforms it into a sustainable economic prospect. Successful execution will enhance economic resilience and prosperity among local communities while preserving fragile freshwater ecosystems. Managing this challenge is complex yet vital. The careful pursuit of our policy-level objectives will mitigate the threat, restore ecological balance, and create economic opportunities. This effort ensures the protection of freshwater ecosystems and aquatic biodiversity in the region.

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MPEDA

DoC holds industry consultation on Vision Document



Opening session of the consultation meeting

The Department of Commerce has announced the Foreign Trade Policy on 31st March 2023. The new FTP is dynamic and has been kept open-ended without mentioning any expiry date. Hence, DoC has broken the usual tradition of launching FTPs for 5 years and the document will be kept open to accommodate the emerging needs of the time. After launching a series of Inter-Ministerial consultations and meetings with the stakeholders like Commodity Boards, EPCs, Regulatory Bodies and Trade Experts have been held in the past two months. To have a wider consultation with the stakeholders comprising Chambers of Commerce & Industry and other Industry Associations, DoC has decided to organise Industry consultations on the Vision Document for the FTP. One such meeting was organized on 7th October 2023 at Mumbai, which included both merchandise and services exports. The entire event was coordinated by a team from KPMG, a multinational professional services network empaneled by DoC for this industry consultation of the Vision document.

The opening session of the consultation meeting was inaugurated by Mr. Peeyush Kumar, Additional Secretary, DoC. Mr. Yashvir Singh, Economic Advisor, DoC, Mr. Amitabh Kumar, Joint Secretary, DoC and Mr. K Nanda Kumar, Chairman of CII Maharashtra

State Council were present during the programme. In his keynote address Mr. Peeyush Kumar, Additional Secretary, DoC mentioned about the significance of the “open end” FTP and reiterated the vision of the Hon’ble Prime Minister on increasing exports. As mentioned, the policy is based on the principles of trust and partnership with exporters and aims at process re-engineering and automation to facilitate ease of doing business for exporters. Mr. Yashvir Singh, Economic Advisor, DoC in his introductory remarks explained about the 4 pillars of FTP 2023 viz., 1. Incentive to remission, 2. Export promotion through collaboration - Exporters, States, Districts, Indian Missions, 3. Ease of doing business, reduction in transaction cost and e-initiatives, and 4. Emerging Areas – E-Commerce, Developing districts as export hubs and streamlining Special Chemicals, Organisms, Materials, Equipment, and Technologies (SCOMET) policy. Mr. K Nanda Kumar, Chairman, CII Maharashtra State Council gave the perspectives of CII during his felicitation speech.

The inaugural session was followed by the second session focusing on the Merchandise sector. In this session, a few selected presentations from the industry such as L&T & Co, Hazira Port and ECGC were allowed. Dr. Sachidanand Shukla, Group Chief Economist of L&T & Co., cum Chair of FICCI Economic Forum in his



View of participants

presentation mentioned the need to promote “Brand India” globally and mention the need to streamline the platforms used by exporters for various services. He also encouraged exporters to take leverage of various FTAs and mentioned the importance of review mechanisms for various trade agreements. Promotion of export hubs at district level shall be done and trade barriers shall be suitably addressed for proper export promotion. Mr. Niraj Bansal, CEO of Hazira Port presented the various facilities and assistance provided by the port for exporters. Mr. Sunil Joshi, Executive Director/CMD (Addl. Charge) of ECGC Limited in his presentation illustrated the ways of mitigating risks and thereby increasing the competitiveness of exporters. He also elaborated the support provided by ECGC for developing the economy and foreign trade.

In the additional Industry presentation, Mr. S. P. Sharma, Chief Economist/Deputy Secretary General of PHD Chambers of Commerce & Industry mentioned about the rigorous capacity building requirement for 75 potential product sectors that constitute 50% of total merchandise exports in order to achieve the target of US\$ 1 Trillion by 2030. Mr. Tarun Sharma, Deputy Managing Director, EXIM Bank and Engineering Export Promotion Council (EEPC) mentioned that the drivers for future trade will be the developing countries, and urged the manufacturing sector to diversify to the rising needs. He explained about various programmes of the bank for exporters such as Ubharthe Sitare, Gift City Subsidiary, Trade Assistance and EXIM Mitra.

Dr. T. R. Gibinkumar, Deputy Director, MPEDA Regional Division, Mumbai and Mr. Rustom Irani, Vice President, Seafood Exporters Association of India (SEAI) attended the sessions on behalf of marine products sector. The inputs and suggestions prepared by MPEDA were submitted to the consultant who coordinated the stakeholders’ consultations on FTP for DoC.

Session three was dedicated to the service sector and

started with the opening remarks of Mr. Amitabh Kumar, Joint Secretary, DoC. The presentations in the session were mainly focused on the suggestions to achieve the target of US\$ 1 Trillion services exports.

The closing session was chaired by Mr. Peeyush Kumar, Additional Secretary, DoC along with Mr. Amitabh Kumar, Joint Secretary, DoC, Mr. Yashvir Singh, Economic Advisor, DoC and Mr. Karan Rathore, Chairman of SEPC. Additional Secretary, DoC reiterated that all stakeholders both at the Government and industry level shall work closely for both the short term up to 2030 and for the long term up to 2047 to bring India’s share in global trade to 10% and to increase the share of exports in GDP to 25%. DoC also targets to have 100 brands of India as Global Champions and the need of Vision Statement is to have a clear communication of India’s approach to the world along with providing definite direction to India’s foreign trade.

The consultation meeting came to an end with a vote of thanks by Mr. Anand Bhaskar, Deputy Secretary, DoC.



Closing session

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Marine landings report September 2023

Dr. Afsal V.V. & Dr. Joice V. Thomas

MPEDA-NETFISH



MPEDA-NETFISH collects real-time data from about 100 key fishing harbors and landing centers in India to support MPEDA's traceability and catch certification system. NETFISH tracks marine landings through Harbour Data Collectors stationed at selected locations. Data on incoming fishing vessels and estimated species-specific catch quantities are collected and uploaded to the MPEDA website daily. This report provides an overview of marine landing trends in September 2023.

1. Observations on Catch Landings

In September 2023, marine catch landing data was collected from 84 fish landing sites along India's nine coastal states. The total catch for the month was 98,757.61 tons, comprising 55,097.11 tons (56%) of pelagic finfishes, 24,581.17 tons (25%) of demersal finfishes, 5,863.25 tons (6%) of crustaceans, and 13,216.08 tons (13%) of molluscs (Fig.1).

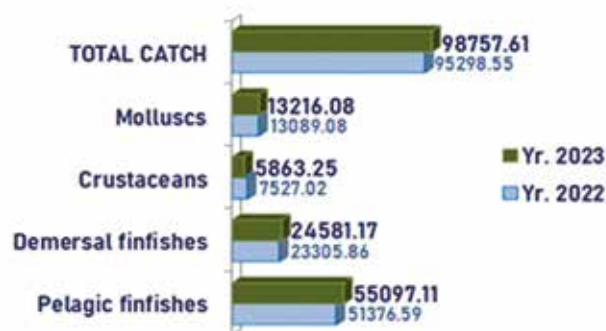


Fig. 1: Catch composition of marine landings (in tons) in September 2023

The catch landings during the period were comprised of 249 species, encompassing both marine finfishes and shellfishes. The five dominant species were *Rastrelliger kanagurta*, *Lepturacanthus savala*, *Sardinella longiceps*, *Uroteuthis duvaucelii* and *Otolithes ruber* (Table 1).



Sl.No.	Common name	Scientific name	Quantity (tons)
1	Indian mackerel	<i>Rastrelliger kanagurta</i>	10692.55
2	Ribbon fish	<i>Lepturacanthus savala</i>	10551.00
3	Indian oil sardine	<i>Sardinella longiceps</i>	8853.56
4	Indian squid	<i>Uroteuthis duvaucelii</i>	5634.04
5	Tigertooth croaker	<i>Otolithes ruber</i>	4617.44

Table 1: Top five species landed during September 2023

Analysis of the group-wise landing data revealed that ribbon fishes, mackerels, sardines, croakers, and squids were the most landed items during the month (Fig. 2). These five fishery items collectively accounted for approximately 49% of the total catch. Other major landed items included cuttlefish and threadfin breems.

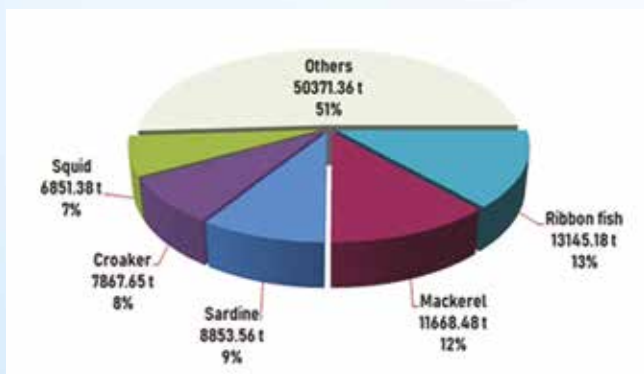


Fig. 2: Major five fishery items landed in September 2023

Ribbonfish and mackerels were the main pelagic finfish landed, while croakers and threadfin breems were the dominant demersal fishes caught. Coastal shrimps accounted for over 74% of the total crustacean catch, with Karikkadi shrimp (*Parapenaeopsis styliifera*) being

the most abundant species, with a catch of 1,730.97 tons. Squid and cuttlefish were the major molluscs landed during the month.

State-wise landings:

Gujarat had the highest catch in the month, with 21,212.20 tons, accounting for 21% of the total. Maharashtra followed closely with 21,071.83 tons (21%) (see Fig. 3). Together, the West coast states contributed 77% of the total catch.



Fig.3: State-wise marine landings (in tons) in September 2023



Harbour-wise landings:

Mirkarwada harbour in Maharashtra recorded the highest fish landings in September 2023 among the 84 selected fish landing sites. Table 2 lists the top ten harbours in terms of total catch quantity landed.

Sl. No.	Harbour	Quantity (tons)
1	Mirkarwada	9830.40
2	New Ferry Wharf	6313.14
3	Malpe	6273.65
4	Veraval	5451.83
5	Mangalore	5356.84
6	Vanakbara	5179.22
7	Mangrol	3941.86
8	Porbandar	3606.09
9	Honnavar	2874.21
10	Okha	2709.82

Table 2: Top ten harbours based on catch landings

2. Observations on boat arrivals

The number of fishing vessel arrivals recorded from the 84 designated fish landing sites totalled to 36,312 nos. Gujarat recorded the highest number of boat arrivals, with 8,445, accounting for 23% of the total. Kerala was next, with 6,945 arrivals (19%). (refer Fig. 4). Considering the harbour-wise boat arrivals, the Veraval and Mangrol harbours in Gujarat were in the top, with 1958 and 1896 boat arrivals respectively.

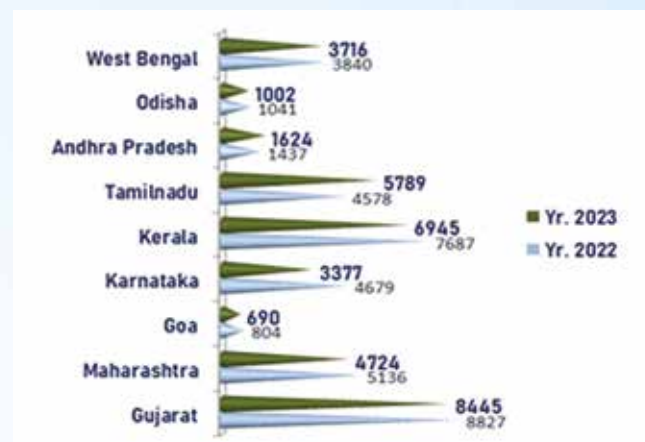


Fig.4: State-wise Boat Arrivals (nos.) in September 2023

Summary

During September 2023, marine landings and boat arrivals recorded from the 84 major fish landing sites in India amounted to 98,757.61 tons and 36,312 vessels, respectively. Compared to the previous month, this represents an increase of approximately 16,800 tons in catch landings and 3,100 in boat arrivals.



Pelagic finfish resources remained the major contributor to the overall catch, with Indian mackerel (*Rastrelliger kanagurta*) emerging as the most landed species of the month. Gujarat achieved the top position in terms of both total catch landed and highest number of boat arrivals.

Among the various landing sites, Mirkarwada harbor secured the top position with regard to catch landings, while Veraval harbor ranked first in terms of the highest number of boat arrivals.



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Monthly outlook forecast report

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USD INR

The USDINR pair started the month trading low at 82.59 but quickly climbed to find a comfortable & sweet spot above 83 and mostly traded in that region only. Making a monthly high of 83.27 very close to the all-time high of 83.29, it slightly recovered to end the month at 83.02. We had the Fed interest rate decision this month on 20th Sep' 23 where the Fed opted for a hawkish stance implementing two major changes in the future interest rate cycle which are as follows:

1. Fed Chair Jerome Powell flagged at least one more rate hike in 2023 where previous predictions were to stick at 'Higher for Longer' strategy.
2. Fed will execute rate cuts by a smaller-than-expected margin in 2024. Previous expectation of rate cuts by 100 bps is now revised down to 50 bps only amid the recent surge in U.S. inflation.

The above decision was driven majorly by the recent gains in the labor market due to which the inflation after dropping to 3% (very close to Fed's 2% target) again climbed up to 3.2% and now at 3.7%. It seems that the USDINR pair will settle to trade around the same levels above 83 amid ongoing strength in the dollar index, pressure from surging crude oil prices, Chinese Yuan not recovering from 7.30 levels and US 2-year & 10-year bond yields are currently at 16-year high level at 5.05% & 4.57%, respectively. Also, the interest rate decision by the RBI is due next week where expectations are coming for another pause.

The Indian Rupee closed stronger on Friday (29-sept-23) aided by the pullback in the dollar index, despite strong performance of the local unit on the last trading

day of the month, Rupee declined 0.4% during the month.

Range trading continued in the pair most of the time during the month, specifically in the second part of the month. Daily USDINR candlestick chart shows that the resistance around 83.20 – 83.30 has held quite well, multiple attempts to break this region but Rupee successfully defended. We know the importance of price gaps in the Rupee, there are two price gaps on the downside. One new price gap formed on 22nd Sep to 25th Sep ranging from 82.97 – 83.03 and one created in July end from 82.03 – 82.19 and gaps in the USDINR usually fills. On the daily time frame momentum indicators RSI and Stochastic have come down to neutral zone due to less volatility in the pair.

At USDINR spot levels above 83, exporters should continue to hedge, surely business budgets would be lower than the current forward rates while importers can hold for spot to come around 82.50-60 for the near term hedging, if mandatory to hedge they can explore vanilla as this is the best time to do options, options volatility has collapsed which would make options more attractive and cheaper. Strong recommendation to use vanilla puts for exporters and vanilla calls for importers to hedge your forex risk. Vanilla options should have at least 20%-25% allocation on the overall hedged portfolio.



EUR USD

The EURUSD pair experienced a continuous downward trend throughout September, starting around 1.0842 and ending at 1.0573. Initially, global economic data

influenced the pair; however, by the end of the month, it was the strengthening US dollar that pushed down the currency. Financial markets adopted a risk-averse stance due to central banks' monetary policy decisions earlier in the month. Despite refraining from immediate action, most policymakers reiterated concerns about high inflation risks and emphasized the need for higher rates to control price pressures. The European Central Bank raised interest rates by 25 basis points but maintained a cautious approach, suggesting a potential rate peak based on the data. In contrast, the Federal Reserve kept its interest rates unchanged, reaffirming its commitment to a "higher for longer" strategy while hinting at a possible rate hike before the year's end. Both central banks are adopting data-driven approaches to combat high inflation, indicating continued pressure on the EURUSD pair for the foreseeable future. Additionally, significant impact could stem from news about a potential U.S. government shutdown as the month concludes. More events to follow in the month include German Manufacturing PMI (Sep), German CPI (MoM) (Sep), & CPI (YoY) (Sep).

EURUSD opened at 1.0843. Eu's continuously been in the downtrend for the whole month, falling more than 350 pips and making a fresh low of 8 months at 1.0488. The pair quickly broke 1.07 which was acting at psychological level and thus showing a good support at 1.0650 where the pair traded for almost a week. Currently, the pair is trading above 1.0550, a break below 1.0480 could expose levels below 1.04 where bears may target in the middle term. It might be challenging for the euro to break above the 1.0650 level, primarily due to the strength of the U.S. dollar above 106. If the pair manages to advance beyond this level, the next potential resistance (R1) is placed at 1.0670. The Relative Strength Index (RSI) is showing a neutral signal at 48 as the signal line (yellow) and the RSI (purple) line are very close and parallel to each other and the RSI line shows no clear direction. The MACD indicator above 0 supports the RSI, as the MACD line (blue) and the red line are moving parallel, indicating a buy signal by which we expect the pair to come close to 1.0650 from its weekly close of 1.0573.

GBP USD

The pound continued its downtrend for the second consecutive month and reached a 6 month low of 1.2110. The major reason for this downside was the hawkish pause by the Fed which increased the expectation of interest rate hike towards the end of this year. The Fed hinted at keeping the "interest rate higher for longer". BoE on the other hand didn't increase the interest rates



and gave dovish comments regarding the future rate-hikes. Moreover, Birmingham, falling into recession during the start of the month, weighed heavily on the cable pair. However, there was a slight breather for sterling towards the end as a decline in US yields and an uptick in market confidence supported this move. U.K. GDP came higher at 0.2% in the second quarter, but still was lower as compared to the US growth rate of 2.1%, during the same timeframe. The expectation of a possible recession in the UK economy is higher, both in Q3 and Q4. With the divergence in the future outlook of both the economies, the chances of recovery in sterling seems bleak. The major factor that can support the recovery, can be a pullback in the dollar index, as it seems it has lost its steam. U.S. CPI, PPI and labor market reports and from the U.K. side GDP and inflation numbers will provide further clues on the pair's future trajectory.

This was the second consecutive month where Sterling lost its value against the US dollar, though the pair found buyers at the end of the month but momentum didn't favor the bulls and the pair closed near to 1.2200. The 1.2350 level should play a critical role of resistance, as it was the previous support. This should be the area where market participants would pay close attention, breaking of these levels comfortably would open the doors for the pair towards the 1.2500 psychological levels, but looking at the momentum it seems difficult for the pair to rebound and downside movement is quite much possible, first target of bears would be 1.2000 afterwards 1.1850 last seen in March this year. On the daily time frame momentum indicators trading in an oversold zone.

JPY USD

The USDJPY began the month on a high note, starting at 145.53, initially surging to a 10-month high due to strong US economic data and hints of rate hikes. However, it later turned bearish, breaking its two-week uptrend at 104.50 on the dollar index. By the end of the



month, the USDJPY was trading around 149.70, despite speculation that Japanese authorities may interfere in the FX market to safeguard the home currency. BOJ's actions and remarks by Japanese officials played a crucial role in supporting the USDJPY upward trend. The pair faced resistance at 150.00, leading the BOJ to limit 10-year JGB yields amid global bond sell-offs. BOJ Governor Kazuo Ueda cautioned against premature talk of exiting ultra-loose monetary policy, emphasizing the challenge of controlling inflation above 2% through wage growth. In 2023, USDJPY exhibited a robust uptrend, surging over 14% from January, driven by contrasting monetary policies between the Fed and BOJ, which may result in further USDJPY gains ahead.

Some key events to follow in upcoming months include JPY Household Spending, JPY Industrial Production, JPY Trade Balance.

The USDJPY opened at 145.53 and showed a continuous uptrend in the pair to close near the month high of 149.70. With the continuation rise in the US 2 year and 10-year bond yields we have seen yen facing pressure. The rally of the dollar against the yen has completely supported the bulls with the rising dollar and comments by BOJ already indicated the intervention levels at 150. R1 being very easy to identify at 149-150 and seeing the daily chart frame S1 looks to be 147 and a major support will be seen at 145. As the signal line (yellow) and the RSI (purple) lines are nearly parallel to one another and the RSI line lacks any clear direction, the Relative Strength Index (RSI) is displaying a neutral signal at 48. The RSI is supported by the MACD indicator above 0 since the MACD line (blue) and the red line are moving in parallel, which also indicates a buy signal. S2 looks around 144.50, indicating a potential level where traders can think about buying if the pair experiences a correction.

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Capacity building programmes by MPEDA for SC / ST community in Maharashtra

A. Satpati, Palghar district



Dr. Girija Behere, State Coordinator, MPEDA-NETFISH North Maharashtra delivering lecture



Mrs. Priyanka Mhapsekar, Licensing Officer, Department of Fisheries, Government of Maharashtra handling a session



Mr. Atul Sathe, Field Supervisor, MPEDA RD Mumbai giving lecture



Participants with aid materials distributed

MPEDA Regional Division, Mumbai conducted a capacity building programme for the ST fishers and workers at Satpati in Palghar district of Maharashtra on 13th October 2023. The programme was mainly focused on "Sanitation and Personal Hygiene Aspects".

Mr. Atul Sathe, Field Supervisor, MPEDA Mumbai welcomed the dignitaries during the inaugural function. Mrs. Priyanka Mhapsekar, Licensing Officer, Satpati, Palghar, Department of Fisheries, Government of Maharashtra was the Chief Guest for the programme. Mr. Chandrakant Tare, Chairman of The Society and Mr. Sandip Mhatre, Vice Chairman were present. Dr. Girija Behere, State Coordinator - North Maharashtra, MPEDA-NETFISH and Mr. Nikhil Krishna, Harbour Data Collector of Satpati fish landing centre coordinated the events.

Dr. Girija Behere, State Coordinator, MPEDA-NETFISH, Maharashtra North, delivered presentations on introduction to food safety, sanitation & hygienic

practices at landing centre and onboard. She also highlighted the importance of hygienic handling and proper cold chain management to avoid post harvest loss and to maintain the quality of the fish.

Mr. Atul Sathe, Field Supervisor, MPEDA Mumbai made presentations on the hygiene aspects of on board and on shore handling, and that in the processing units. He also gave an introduction to aquaculture.

Mrs. Priyanka Mhapsekar, Licensing Officer, Satpati, Palghar, Department of Fisheries, Government of Maharashtra spoke about conservation and sustainable fishing, besides sea safety and navigation.

Thirty members belonging to the ST community participated in the training program. Certificates were distributed at the end of the training programme. Gum boots, hand gloves and ice/fish storage boxes were also distributed to all the participants. Vote of thanks was proposed by Mr. Atul Sathe.

FOCUS AREA

B. Mithmumbari village, Sindhudurg



Inaugural session of the programme

MPEDA Regional Division, Mumbai has organized a capacity building programme on biosecurity and personal hygiene at Mithmumbari village in Sindhudurg district on 27th October 2023. Of the 30 SC community participants attended the training, 12 were women. The programme was inaugurated by Mrs. Reema Mumbarkar, former Sarpanch of Mithmumbari.

She thanked MPEDA for arranging the training and hoped that MPEDA's initiative will help the workers for betterment of their business.

Mr. Santosh Kadam, State Coordinator, MPEDA-NETFISH, South Maharashtra explained about the importance of personal hygiene. Mr. Mangesh Gawde, Field Supervisor covered the Best Management Practices and biosecurity in aquaculture.

Mr. Bahar Mahakal, District Programme Manager for PMMSY, Sindhudurg district gave a brief on PMMSY schemes for farmers and Mr. Kedar Palav, Livelihood specialist, Sindhudurg district explained about the various methods of oyster and mussel culture.

Plastic crates, vernier calipers (to oyster and mussel culture farmers), salinity meter, steel knives and digital pH meter were distributed to trainees by MPEDA. The programme concluded with the vote of thanks by Mr. Mangesh Gawde.



Mr. Santosh Kadam, SCO, MPEDA -NETFISH South Maharashtra handling a session



Mr. Bahar Mahakal, Programme Manager (PMMSY Sindhudurg) handling a session



Mr. Kedar Palav, Livelihood specialist, Sindhudurg handling a session



Participants with officials

MPEDA trains seafood processing workers of SC community



Inaugural function



Distribution of personal hygiene kits to the participants



Participants with officials

MPEDA Regional Division, Vijayawada conducted a day's training for SC workers in pre-processing and processing plants of M/s. Munnangi Sea Foods, Jarugumalli, Prakasam district on 31st October 2023. 30 workers attended the training programme.

Ms. M. Usha Sri, QC Trainee, MPEDA Vijayawada welcomed the guests and trainees, and explained the objective of the training. The Chief guest of the function was Mr. Shankar Reddy, Ex-Sarpanch, Jarugumalli, Prakasam district. Dr. K. Dhanpal, Professor and Head, Muthukur Fisheries College, Nellore, Mr. Ch. Kishore Kumar, Director, M/s. Munnangi Sea Foods Pvt. Ltd., Dr. K. Iyyappan, Junior Technical Officer, MPEDA RD, Vijayawada, Dr. Murali Mohan, South State Co-ordinator, MPEDA -NETFISH also were present.

Dr. K. Dhanpal in his felicitation speech explained about the importance of such training and thanked MPEDA for organizing the training program. Dr. K. Iyyappan

in his keynote address explained about the current aquaculture scenario in the world and emphasized the importance of personal hygiene, sanitation and cleanliness. Dr. Murali Mohan in his special address explained about the MPEDA-NETFISH SC/ST training programmes and about personal hygiene in sanitation and cleanliness.

The technical sessions were handled by Dr. K. Dhanpal, Ms. Usha Sri and Dr. Murali Mohan.

The participants were given a demonstration on hand washing and cleanliness by Dr. Murali Mohan and Ms. Usha Sri on personal hygiene and cleanliness in plant premises.

At the end of the programme, kits containing personal hygiene items like a pair of gumboots, rubber hand gloves, PVC reusable aprons, cotton head caps, thermal wear/sweater and a jute bag were given to the participants by the guests. Dr. Murali Mohan proposed the vote of thanks.



View of the training sessions

MPEDA Regional Division Vijayawada organized another capacity building programme on hygienic handling practices, sanitation, personal hygiene and fish quality management for the processing and pre-processing workers from Scheduled Caste community at M/s. Srikanth International Pvt. Ltd., Krishna district on 22nd September 2023. 28 trainees attended the training programme.

The training was inaugurated by Mr. B. Vijay Kumar, Local Panchayat Vice-President, by lighting the lamp in the presence of Mr. A. Jeyabal, Joint Director, MPEDA, RD Vijayawada, Mr. Chola Varma, Executive Director of M/s. Summit Marine Exports Pvt. Ltd., Mr. P. Sudheer, Vice- President of M/s. Summit Marine Exports Pvt. Ltd., and subject expert Mr. K. Sedhuraman, General Manager, M/s. Uniloids Biosciences, Bhimavaram. The audience were welcomed by Mrs. Devika, JTO (EP), MPEDA RD Vijayawada.

In his inaugural address, Mr. B. Vijay Kumar highlighted the importance of the training and measures to be taken while handling the products for exports. Mr. Jeyabal explained about export rejections from different countries and its cause. He stressed the need for maintaining personal hygiene to ensure the safety and quality of products exported.

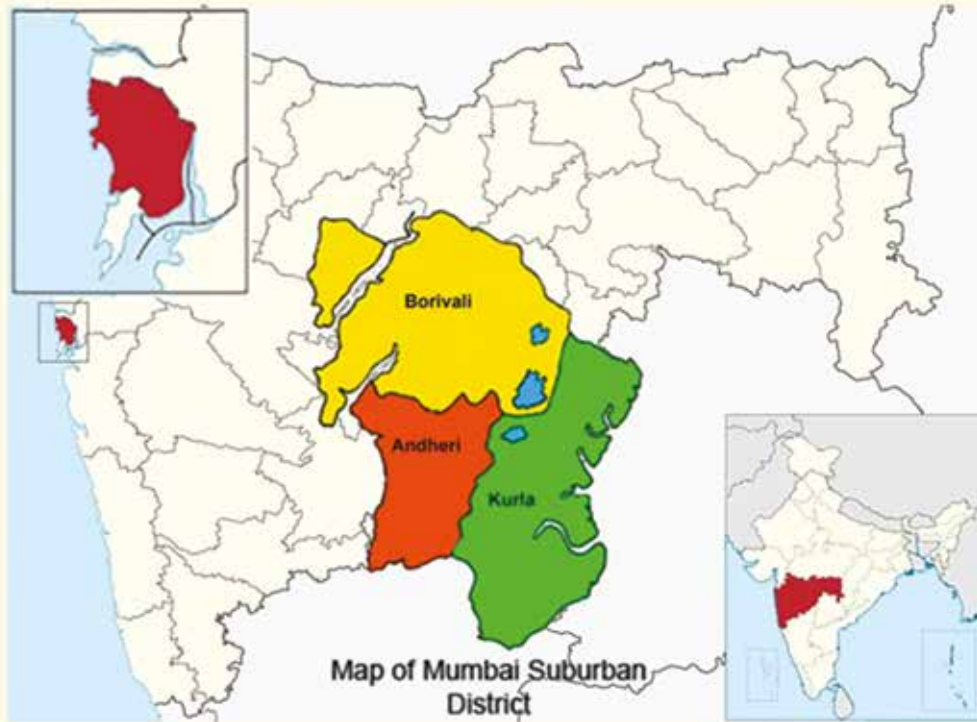
The technical sessions were handled by Mr. A. Jeyabal, Mr. K. Sedhuraman, Dr. Murali Mohan and Mrs. G. Devika.

Biosecurity kit with thermal wear, a pair of gum boots, aprons, hand gloves, head caps and bags were distributed to the participants.

The training came to an end with the vote of thanks by Mr. Murugesan, General Manager, M/s. Srikanth International Pvt. Ltd.



MPEDA participated in workshop on Mumbai suburban district strategic plan



Mumbai Suburban district (Marathi: Mumbai Upanagar Jilhā) is the second most populous district of Maharashtra in the Konkan Division. Mumbai Suburban district was created on 1 October 1990 when Mumbai district was bifurcated into Mumbai City and Mumbai Suburban districts with its administrative headquarters in Bandra, the district consists of three subdivisions or tehsils (townships) viz., Kurla, Andheri, and Borivali. The district along with Mumbai City district and other suburban localities make up Greater Mumbai. The district occupies an area of 446 km² making it the second smallest district of Maharashtra. But with the current population of 9,356,962 (2011 census) it is the fifth most populous district in India. The jurisdiction of Mumbai Suburban district extends from Bandra to Dahisar, from Kurla to Mulund, and from Kurla up to Trombay creek. The Mithi River is the main river in the district. In addition to three taluks Bandra, Malad, Gorai, Chembur, Ghatkopar, Bhandup, and Mulund are proposed to be included as new taluks in this district.

Important locations in the district include Mount Mary Church, Jogeshwari Caves, Mahakali Caves, Bandra Kurla Complex, Essel World, Water Kingdom, Marve Beach, Aksa Beach, Madh Island, Sanjay Gandhi National Park, Aarey Colony, Kanheri Caves, Film City, Tulsi Lake, Vihar Lake and Powai Lake.

MPEDA Regional Division, Mumbai participated in the one day workshop organized by the Mumbai School of Economics & Public Policy (MSE&PP) on Designing Growth Strategies and for developing the District Strategic Plan (DSP) for the development of Mumbai Suburban district. The

workshop was organized in the J P Naik Bhavan inside the Kalina campus of Mumbai University.

As per the Vision @2027, India targets a \$5 trillion economy, relying on key states such as Maharashtra, Uttar Pradesh, Gujarat, Tamil Nadu, and Karnataka

that contribute 50% of India's GDP. Maharashtra is the leading state with \$444 billion in FY22, contributing 13% to India's GDP. Maharashtra is aiming for a \$1 trillion GDP by FY28, supporting India's \$5 trillion economy goal.

The objective of the workshop was to gather a diverse group of stakeholders and collect the inputs of concerned sectors for developing the District Strategic Plan (DSP) for the development of Mumbai Suburban district. For achieving this objective the participants from government departments, Export Promotion Councils, community leaders, exporters, builders, academics, experts etc., were invited. In order to have more inclusivity, participants from the sectors that have

already driven growth in the district and sectors having the potential for growth were included. The workshop was intended to serve as a platform for brainstorming, sharing knowledge, and building consensus. The ultimate main aim of this workshop was to create a comprehensive plan to kick-start the development strategy for Mumbai Suburban district.

Fisheries was included in the Second panel discussion which was moderated by Dr. Chandrahas Deshpande, Professor, Welingkar Institute and former Executive Director, Maharashtra Economic Development Council (MEDC). Dr. T. R. Gibinkumar, Deputy Director, Regional Division Mumbai represented MPEDA in this workshop.



A view of the participants in the workshop



Dr. T. R. Gibinkumar, Deputy Director, RD Mumbai attending panel discussion

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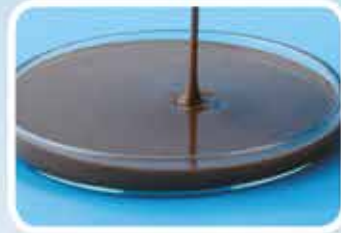
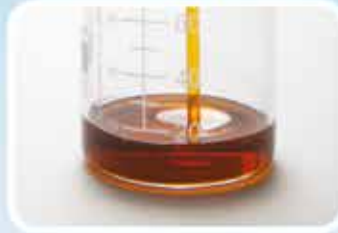
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Export facilitation of sea caught varieties from Odisha



Inauguration of the meet

A core level interaction meet of stakeholders was conducted at Paradeep Fishing harbour on 6th October, 2023 by MPEDA Regional Division, Bhubaneswar along with MPEDA-NETFISH. The meeting was inaugurated by Mr. Kamlesh Mishra, President, SEAI Odisha Region. Mr. Shasikant Acharya, Joint Director, Dept. of State Fisheries, Mr. Archiman

Lahiri, Deputy Director, MPEDA RD Bhubaneswar, Mr. Srikant Parida, President, OMFPA and others were present. Mr. Subrakanta Mohapatra, State coordinator of MPEDA-NETFISH gave a brief introduction of the programme.

The meeting came to an end with a vote of thanks by Dr. K. Gopal Anand, Assistant Director, MPEDA.



Mr. Subhrakanta Mohapatra, State Coordinator, MPEDA-NETFISH



Mr. Kamlesh Mishra, President SEAI, Odisha



Mr. Srikant Parida, President OMFPA



A view of interaction among the participants



Dr. K. Gopal Anand, Assistant Director, MPEDA, RD Bhubaneswar

Capacity building programs conducted by MPEDA Chennai for the SC/ST stakeholders



Inauguration of the training at Kalaingar Nagar, Cuddalore on 6th October 2023



Dr. Ansar Ali A., Deputy Director, MPEDA RD Chennai delivers the inaugural address at Kalaingar Nagar

MPEDA Regional Division Chennai conducted three capacity building programs on 6th and 7th October 2023 for the SC/ST fishers/fish workers on food safety, personnel hygiene, sanitation and conservation of resources. The trainings were conducted at Kalaingar Nagar, Killai Cuddalore district on 6th October 2023 for the ST fishers and for SC fish workers at Targas, Mayiladuthurai district on 7th and 17th October 2023. The programs on 6th and 7th October 2023 were inaugurated by Dr. Ansar Ali A., Deputy Director, MPEDA, RD Chennai who briefed about the importance of food safety. Mrs. Shajina I., Assistant Director, MPEDA, RD Chennai inaugurated

the program on 17th October 2023 at Targas village of Mayiladuthurai district.

Dr. M.P. Arul Moorthy, State Coordinator, MPEDA-NETFISH, Dr. V. Singaravel, Project Scientist, Annamalai University and Dr. Suresh, Project Scientist, CAS in Marine Biology, Annamalai University took classes on the subjects fish spoilage, personal hygiene, sanitation and resource conservation. Training participation certificates and biosecurity items/tools like plastic boxes/ baskets, plastic shovels and cotton gloves were distributed to the participants after the completion of the training.



Dr. Arul Moorthy taking class at Kalaingar Nagar



Inauguration of the Training at Targas, Mayiladuthurai on 7th October 2023



Dr. Ansar Ali A. during his inaugural address at Targas, Mayiladuthurai



Dr. Arul Moorthy taking class at Targas, Mayiladuthurai



*Dr. V. Singaravel, Project Scientist, Annamalai University
taking class at Targas, Mayiladuthurai*



*Distribution of certificates and biosecurity aid materials
at Kalaingar Nagar, Cuddalore*



Distribution of certificates at Targas, Mayiladuthurai



Distribution of biosecurity aid materials at Targas, Mayiladuthurai



*Inauguration of the training at Targas, Mayiladuthurai
on 17th October 2023*



*Distribution of certificates and biosecurity aid materials
at Targas Village, Mayiladuthurai*

MPEDA organizes cleanliness drive in Zone M of Taloja MIDC



The participants of the cleanliness drive

The Marine Products Export Development Authority (MPEDA) and its society Network for Fish Quality Management and Sustainable Fishing (NETFISH) organized a cleanliness drive with participation of seafood exporters in the Zone M of Taloja Maharashtra Industrial Development Corporation (MIDC), Raigad on 10th October, 2023.

Seafood exporters and workers from 15 seafood export units, officials of MPEDA, officials of NETFISH and harbour data collectors actively participated in the cleanliness drive. As a part of the programme, Dr. Girija Behere, State Coordinator, NETFISH welcomed the participants and briefed about the activities. Dr. T. R. Gibinkumar, Deputy Director, MPEDA RD, Mumbai while inaugurating the programme highlighted importance of cleanliness and hygiene. Awareness was created on plastic waste management among the fish processing unit workers.

A total of 2.5 kms stretch in Zone M with maximum no. of seafood export units was cleaned. T-shirts,



caps, hand gloves, sanitizers, handwash and masks were distributed to the participants by MPEDA-NETFISH. Refreshment were also arranged. Nearly 100 participants took part in the clean-up programme alongwith MPEDA and NETFISH personnel. Seafood exporters Mr. Rohan Thakur, Nanak Nutritions Pvt. Ltd., Taloja, Mr. Sandip Dongare, Sanchita Marine Exports PL, Taloja, Mr. Farhaz Dosani, Rizwan Ice and Cold Storage, Taloja, Mr. Haridas Nair, Castlerock Fisheries Pvt. Ltd. participated in the drive.

FOCUS AREA



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Ornamental fish – *Geophagus*



V.K. Dey

V.K. Dey has over three decades of experience in diverse sectors of the seafood industry in the Asia-Pacific region. He was the Deputy Director of MPEDA and then associated with INFOFISH, Malaysia. As part of INFOFISH, he was involved in several studies related to the seafood industry in the Asia-Pacific region and beyond, including setting up of Aquatechnology Park for ornamental fish. MPEDA has published Living Jewels, a collection of his articles on ornamental fish.

Among many cichlids popular in the hobby, the earth eaters of the genus, *Geophagus*, are fascinating. Though *Geophagus* literally means 'earth eaters', they do not really eat earth, but just grace through it with much efficiency for food. Besides adaptations to the facial structure for burrowing in the substrate, they have a unique gill structure which allows them to separate inedible sand from food. They are of much interest to the biologists as they exhibit a variety of reproductive strategies which include bi-parental substrate-spawning, bi-parental mouth brooding, maternal mouth brooding and substrate spawning. With a laterally compressed body, arched

forehead and back, large head with broad mouth and relatively larger eyes, *Geophagus* looks very interesting. Depending on the environment where they live, the body colouration varies. Though there are more than twenty species known today, only a few varieties, *Geophagus brasiliensis*, *G. brokopondo*, *G. dicrozoster*, *G. steindachneri* and *G. surinamensis* are popular in the market.

Geophagus brasiliensis, known as Pearl scale eartheater, originates from Riverine systems of East and southeast Brazil. This is probably the most commonly available and most suitable species for the home aquarium. This species looks similar to a

number of closely related species. Young ones are dull in colour which probably results in its lack of popularity. However as the fish grows it develops many blue-green iridescent spots all over its sides which makes them beautiful. They are hardy and could adapt to most water conditions easily although the fish should be kept in pH ranging from 6.0 - 7. They are more aggressive during feeding time. They are substrate spawners and can attain a maximum length of 27 cm. It can be bred easily and raising the fry is easy with micro worms and powdered flake foods.

G. brokopondo originates from Lake Brokopondo in Surinam and is found in still or slow moving water bodies with root tangles. They grow larger in captivity than in the wild. The maximum attainable size is 15-17 cm. Males are more aggressive and should be kept in large tanks with a lot of hiding places and preferably many females for each male. The ideal water temperature is 23 - 25°C with pH 7. In captivity they are difficult to breed.

G. dicrozoster, known as 'Columbia' *geophagus* and considered to be one of the colourful fish among other *geophagines*. The most distinctive feature of this fish is the fourth band which starts at the dorsum and continues at an angle merging or almost merging with the fifth band at the upper lateral line. They are biparental mouth brooder and not very aggressive like other *geophagus*.

G. steindachneri, commonly known as red hump eartheater, comes from the Rio Magdalena, Rio Sinu and Rio Cauca river systems and the tributaries of the Maracalbo basin in Venezuela. They are dimorphic and the males can grow to 13-15 cm in size. After spawning the female takes up the eggs immediately in a fashion similar to the rift lake cichlids of Africa. The male has no role in fry raising and leaves in search of other females. The males can be quite aggressive towards other males and only a single male should be kept with 2-3 females to share out the harassment those females receive. The species occurs naturally in water that is slightly soft and acidic between pH 6.5 - 7.0 although in aquariums it can adapt to a reasonable range of water conditions.

G. surinamensis, popularly known as Surinam geophagus, found in Northeastern South America, from Guyana to Amazon in standing and slow flowing water bodies. They are truly stunning fish, with iridescent stripes and long flowing fin filaments. They are peaceful and relatively unfussy with regard to water quality. However, they may develop disease if kept in water with too high pH. The ideal water parameters could be a total hardness of about 10 dGH, moderate carbonate hardness and pH of about 7 with water temperature ranging from 22 -25°C. Spawning is not difficult and proceeds in the same way as other cichlids.

Details of the SPF <i>P. vannamei</i> brooders imported & quarantined at AQF during August 2023							
Sl. No.	Name of the stakeholders	State	Country of origin/ supplier	Date of receipt of the lot at AQF arrival	Broodstock imported (nos)		
					Male	Female	Total
1	Sai Marine Exports Pvt. Ltd	Andhra Pradesh	SIS, Florida	03.08.23	300	300	600
2	Apex Frozen foods Ltd	Andhra Pradesh	SIS, Florida	11.08.23	300	300	600
3	SVR Hatcheries	Andhra Pradesh	Blue Genetics, Mexico	11.08.23	300	300	600
4	Lotus Sea Farms	Tamil Nadu	SIS, Florida	16.08.23	300	300	600
5	Gayathri Hatcheries	Andhra Pradesh	SIS, Florida	18.08.23	200	200	400
6	Varun Hatcheries	Andhra Pradesh	American Penaeid, Florida	18.08.23	200	200	400
7	Sapthagiri Hatcheries - Anakapalli	Andhra Pradesh	SyAqua Americas Inc, Florida	21.08.23	400	400	800
8	Golden Marine Harvest	Tamil Nadu	Kona Bay, Hawaii	25.08.23	444	444	888
9	Anuradha Hatcheries	Andhra Pradesh	Kona Bay, Hawaii	25.08.23	330	330	660
10	Raj Hatcheries (Bengal) Pvt. Ltd	West Bengal	Blue Genetics, Mexico	27.08.23	300	300	600
TOTAL					3074	3074	6148

Capacity building programme for ST workers



MPEDA Regional Division, Mumbai has conducted two capacity building programmes at Surgana in Nashik district for the farmers, workers and fishers belonging to ST community on 14th and 15th October 2023. The programmes were inaugurated by Mr. Ulhas Sonawane, Coordinator of Saptshrungi Mata Bahuuddeshiya Sevabhavi Sanstha, an NGO working with more than 10,000 women and ST beneficiaries in Surgana Taluka in Nashik district. Mr. Ulhas encouraged trainees to take advantage of the MPEDA's initiative and understand the basics for producing quality fishes. Dr. T. R. Gibinkumar, Deputy Director, RD Mumbai mentioned about MPEDA and its activities and also about the significance of such training programmes devised by the Central Government.

Mr. Mangesh Gawde, Field Supervisor, MPEDA RD Mumbai explained the need for biosecurity in their farms and cages, and the importance of sanitation and personal hygiene. Mr. Gawde also briefed on various

fish diseases, main causes and preventive measures. He also requested to follow the Best Management Practices (BMP) and keep the record for all activities done in the farm. Explanation about cage culture and marketing avenues to increase profit from aquaculture was also made.

Dr. Gibinkumar explained about waste management, Personal Protective Equipment and the need of regular health check up of the workers.

Water testing kits and life jackets were distributed to the beneficiaries. The programme concluded with the vote of thanks by Mr. Sashikant Padwal, Technical Assistant, MPEDA RD Mumbai. Total 61 individuals belonging to the ST community including 38 women candidates attended the training programmes conducted in two batches.

Campaign against use of Antibiotics in Aquaculture



Mr. Rajendra Zemase, Fish Farmer sharing his experience

MPEDA Regional Division, Mumbai conducted an awareness programme titled "Campaign against use of Antibiotics in Aquaculture " at Pen Taluka in Raigad district on 30th October 2023. The programme was organized in the hall of Vividh Karyakari Cooperative Society Limited at Kane in Pen Taluka. The awareness programme was attended by 42 farmers from nearby areas.

Mr. Atul Raosaheb Sathe, Field Supervisor RD,

Mumbai welcomed participants and briefed about misuse of antibiotics in aquaculture as well as about the importance of Farm Enrollment.

Mr. Rajendra Zemase, Farmer from Washi, Pen, Raigad district shared his experience on the farm enrolment programme of MPEDA. Mr. Shamkant Krishna Patil, Chairman of Vividh Karyakari Cooperative Society Limited, Kane, Raigad thanked MPEDA for conducting such programmes.



Mr. Atul Raosaheb Sathe, Field Supervisor, RD Mumbai taking lecture

Training programmes on “Eco-friendly sustainable aquaculture”

A. Hatgachhi, Sandeshkhali-i



Mr. K. Ramanjaneyulu, Junior Technical Officer, MPEDA, RD, Kolkata takes class for trainees



Mr. Shantanu Mahato, Fishery Extension Officer, Minakhan Block, Department of Fisheries, Government of West Bengal, taking class



Overview of trainees



Field visit

MPEDA Regional Division, Kolkata has organized a 3-day training programme on “Eco-friendly sustainable aquaculture” from 10th to 12th October 2023 for beneficiaries at Hatgachhi, Sandeshkhali-I, North 24 Parganas district. The training programme was attended by 20 nos. of trainees.

Mr. Anirban Maity, Field Supervisor MPEDA, RD Kolkata spoke about the farm enrollment procedure and its importance. Mr. K. Ramanjaneyulu, JTO, MPEDA, RD Kolkata, delivered a lecture on the potential opportunities and promising prospects associated with the development of aquaculture in the state. He also spoke on the essential infrastructure requirements for successful aquafarms.

The other technical sessions were taken by Mr. Shantanu Mahato, Fishery Extension Officer, Minakhan block, Department of Fisheries, Government of West Bengal, Mr. Darshanlal Dhondiyal, Assistant Director, and Mr. K. Ramanjaneyulu. A field visit was arranged for the trainees at the Nalkora village of North 24

Parganas district on 11th October 2023 to get practical knowledge on culture activities at the scientific farm of Mr. Subhash Mondal.

Certificates were distributed to the trainees on the last day by the officials of MPEDA. The programme ended with vote of thanks by Mr. K. Ramanjaneyulu.



Mr. Darshan Lal Dhondiyal, Assistant Director, MPEDA, RD Kolkata, distributes the certificate to a trainee

AQUACULTURE SCENE

B. Thuba, Taki



Mrs. Nandita Mallik, takes class



Trainees with Mr. K. Ramanjaneyulu during the field trip



Mr. Pradip Maity, Field Manager, NaCSA takes class



Trainees with their certificates

MPEDA Regional Division, Kolkata organized a 5-day Training Programme from 16th to 20th October 2023 on “Eco-friendly sustainable aquaculture” for SC beneficiaries at Thuba, Taki, North 24 Parganas district. The training programme was attended by 20 nos. of trainees.

Mrs. Nandita Mallik, Fishery Extension Officer, Hasnabad block, Department of Fisheries, Government of West Bengal gave a lecture on PMMSY Schemes.

Mr. K. Ramanjaneyulu, JTO, MPEDA, RD Kolkata presented a comprehensive lecture on the critical infrastructure requirements necessary for the smooth and successful operation of an aquafarm. Other

sessions were taken by Mr. Darshanlal Dhondiyal, Assistant Director, MPEDA, RD, Kolkata, Mr. Anirban Maity, Field Supervisor, MPEDA, and Mr. Pradip Maity, Field Manager, NaCSA

A field visit was arranged for trainees at the Ghuni village of North 24 Parganas district on 18th October 2023 to get practical knowledge on cultural activities at the scientific farm of Mr. Kalyan Mondal. He also distributed certificates and stipend to the trainees. The programme concluded with the vote of thanks by Mr. K. Ramanjaneyulu.

TRADE ENQUIRY

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3	Yu Yi Zhejiang Haizhiwei Aquatic Products Co. Ltd. (Wenling Branch) Yingbin Avenue, Songmen, Wenling, Zhejiang, China Tel: 0086 576 86661098 Mob: +86 18717968519 E-mail: yuyi1314xf@126.com <i>Frozen Vannamei Shrimps</i>	4	Elton Zhang General manager, Qingdao Elcom Imp & Exp co.Ltd Add: 1201, Jufeng Plaza, No.52 Miaoling Road, Qingdao City, China-266075 Mob:008613678890122 E-mail: Elton.zhang@zefoods.com <i>All Frozen Shrimps</i>
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7	Jack Lee Purchasing Manager XianMeiLai Food Co. Ltd. No.16, Kesheng Road, Industrial Park, Beihai City, Guangxi Province, China- 536000 Mob: 13591183901 E-mail: lt@zghysc.com <i>Shrimps</i>	8	Celine He E-mail: celine_seafoods@foxmail.com Website: celine_seafood Phone:196 0759 2524 <i>Shrimps</i>
9	Kei Liu Senior Manager Panda Shoji Co Ltd, Address:2-1-3 Shimbashi, Minato-ku, Tokyo 105 0004, Japan Mob:86 15201932645 E-mail:kei@jufoods.com Website:www.jufoods.com <i>Black Tiger Shrimp</i>	10	He Shengli General Manager Thailand Premier Food Co. Ltd. Room 01, 4th Floor Electronic Business Incubator, Haijixing Agricultural Products Trading Center, Phuket phang Nga Province, China Mob: +86 13688341099 E-mail: 451206812@qq.com <i>Frozen Shrimp</i>

TRADE ENQUIRY

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5	David wang Director Lianyungang Oger International Trade Co Ltd, No.166 , Xinkangyi Village Economic development zone, Jiangsu province Mobile+ 86 182011814612 <i>Ribbon fish</i>	6	Rachel Chen Guangzhou shihedao network Technology Co. Ltd Mob.86 136 32326056 E-mail:Rachelchen@globalseafoodex <i>Finfish</i>
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3	Lishun International Logistics Co Ltd China Tel- 010-5326 9284 Mobile- 13911012857 Email- chris@cbloom.com.cn www.cbloom.com.cn <i>Lobster</i>		

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MIXED ITEMS/OTHERS			
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5	Ann Tsai Sales Executive Direct Xiangwei international Enterprises Co.Ltd Floor 21, No.6,Boai 4th Road,Zuoying District Kaohsiung City Phone:886 7 3453989 extn.23 Fax:886 7 3453831 E-mail:ann.tbhglobal.co.tw, Website:http://bhhglobal.com.tw <i>Fishes, Squid and Cuttlefish</i>	6	Supreme Anal Quanzhou Tianfa Food Machinery Co.Ltd Add: Taiwanese Investment Zone,Quanzhou City,Fujian Province,No.367 Xiagong Zhangban Town Mob:13489462319, Phone:0595- 22427727 E-mail:2790486091@qq.com Website:www.tsjx.cn <i>All seafood</i>
7	Song Mingxing Sichuan Weirenhong Food Co.Ltd c-6-2-12, Haibawang Western Logistics Park,Pidu District,Hefei City Phone:173 2127 2388 <i>All seafood</i>	8	Joyce Zeng General Manager, Gansu Zheng Xing Fel Teng Trading Co.Ltd Add:No.17,4th Rows Food Com- mercial Plaza,jiayuguan /dong Road,Chengguan,Lanzhou city,Gansu Province,China, Mob:86-13760722782 E-mail:81968059@qq.com <i>All seafood</i>
9	Shi Yang South American Department Manager China Rainbow International Investment Co Ltd 159 9171 2821 029-87808590 E-mail:shiyang@cric.cn <i>General seafood</i>	10	Kate Vice President & Secretary General Guangdong Aquatic Products processing and Marketing Association Add: 1st Floor,28 buildings,No.20 Nancun Road,Haizhu District,Guangzhou,China Mob: 020 66319009 E-mail:1229857915@qq.com <i>Shrimp and Finfish</i>

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13	Evon Hoo Business Development, Oceanic Synergy Holding SDN BHD E-SG-06,Block E,Sunway GEO Avenue, Jalan Lagoon Selatan,Sunway South Quay, 47500 Sua-bang,Selangor 6012 426 1210 603 8603 2899 E-mail: oceanicsynergy@gmail.com <i>Seafood (Fish/ Shrimps/ Cephalopods)</i>	14	P K Dinesh, Director Crustacea Seafood Exim-FZCO Po Box-13053, IFZA Dubai, 101, Building A2, Dubai silicon Oasis, Dubai-UAE Mob- 971 50 725 9531, Email- mail@crustaceaseafoodexim.com <i>Shrimp, Lobster, Crab</i>

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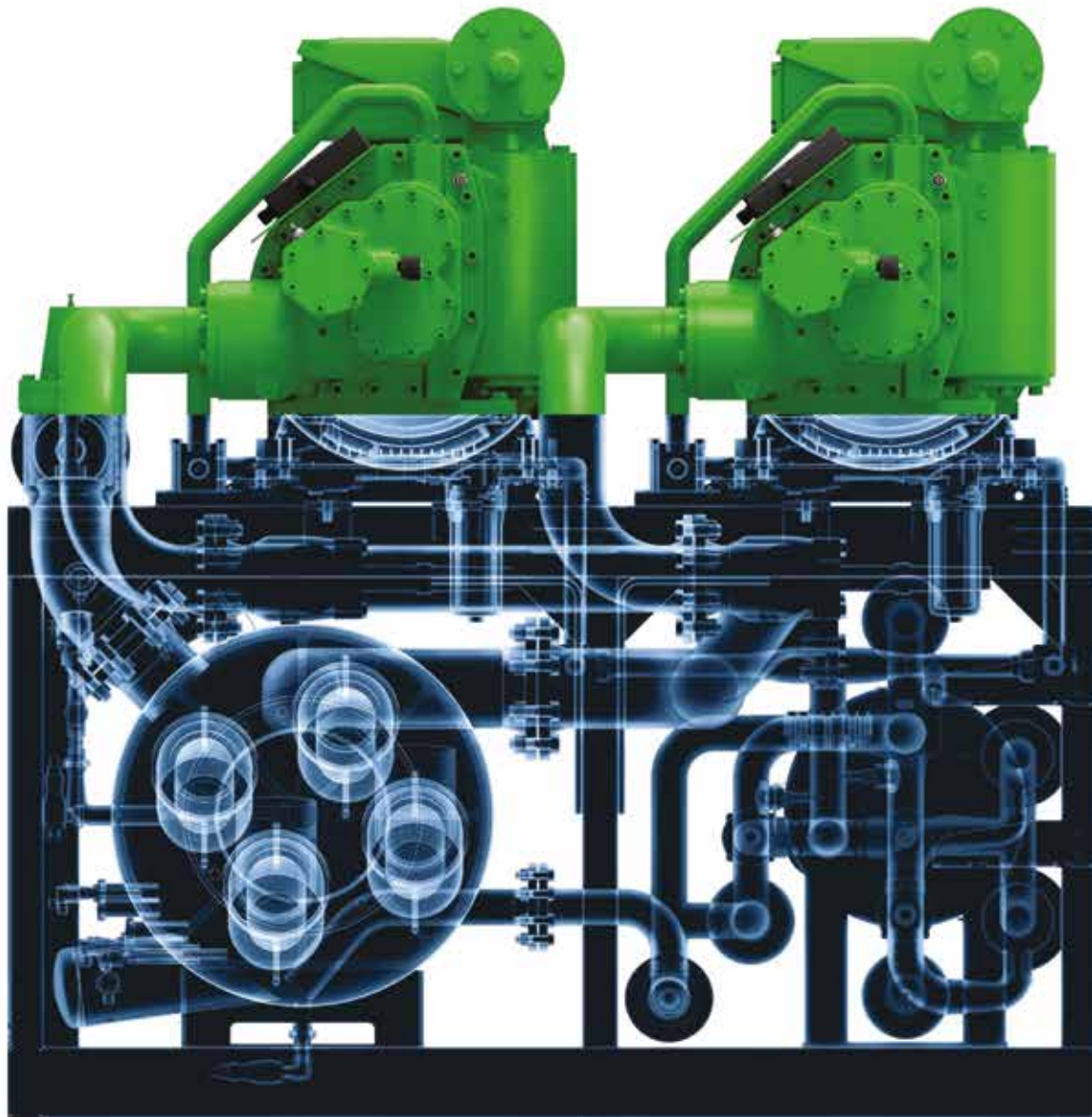
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