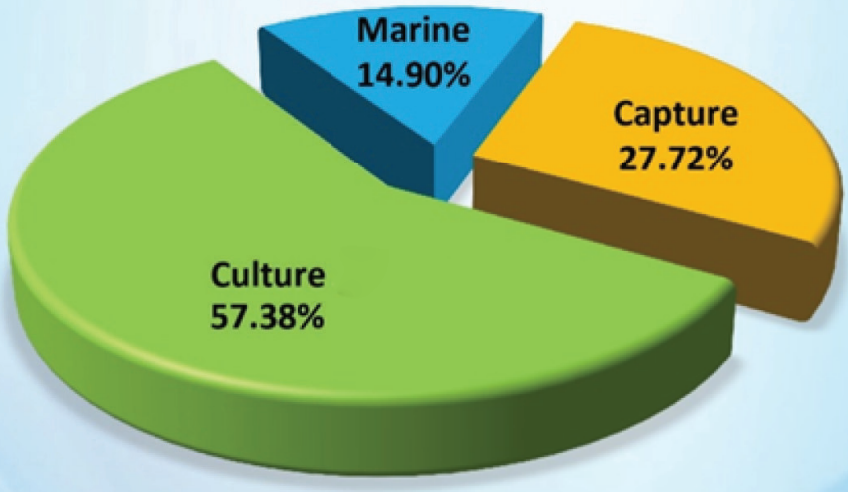
Yearbook of Fisheries Statistics of Bangladesh 2019-20

YEARBOOK OF
FISHERIES STATISTICS OF BANGLADESH
2019-20



Department of Fisheries Bangladesh
Ministry of Fisheries and Livestock
Government of the People's Republic of Bangladesh
www.fisheries.gov.bd

YEARBOOK OF FISHERIES STATISTICS OF BANGLADESH 2019-20

Fisheries Resources Survey System
Department of Fisheries Bangladesh
Ministry of Fisheries and Livestock
Government of the People's Republic of Bangladesh
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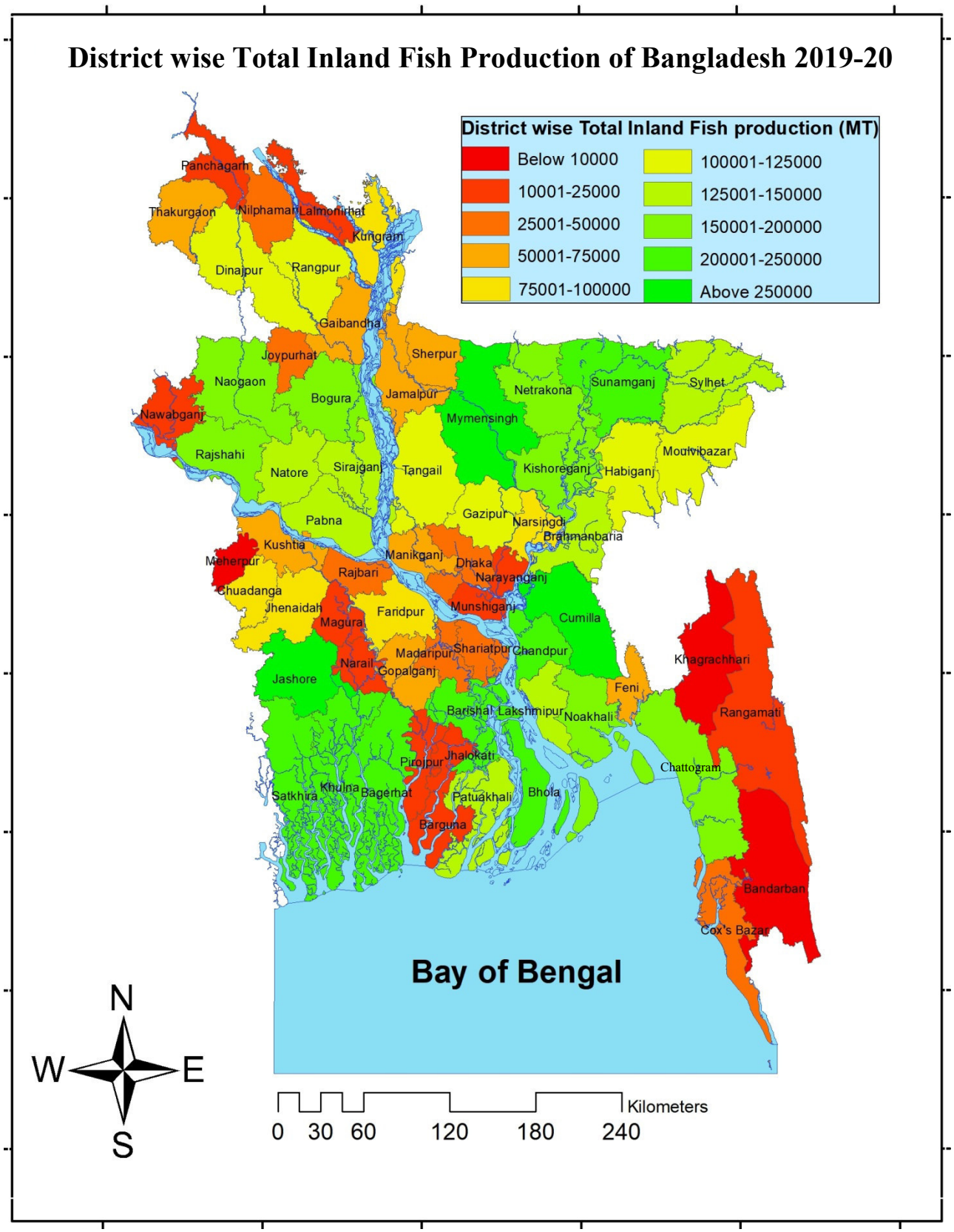
ABBREVIATIONS AND ACRONYMS

BBS	Bangladesh Bureau of Statistics
BFD	Bangladesh Forest Department
BFDC	Bangladesh Fisheries Development Corporation
BER	Bangladesh Economic Review
CEGIS	Center for Enviroment and Geographic Information Services
CWB	Cultured Water Body
DoF	Department of Fisheries
FAO	Food and Agriculture Organization
FRSS	Fisheries Resources Survey System
FY	Fiscal Year
GAP	Good Aquaculture Practice
GDP	Gross Domestic Product
GED	General Economic Division
GI	Geographical Indicator
GO	Government Organization
Ha	Hectare
HACCP	Hazard Analysis Critical Control Points
HFMAP	Hilsa Fisheries Management Action Plan
MoFL	Ministry of Fisheries and Livestock
MPA	Marine Protected Area
MT	Metric Ton
NFP	National Fisheries Policy
NFS	National Fisheries Strategy
NGO	Non Government Organization
NoC	No Objection Certificate
Kg	Kilogram
PL	Post Larvae
SDGs	Sustainable Development Goals
SPARRSO	Space Research and Remote Sensing Organization


District wise Total Inland Fish Production of Bangladesh 2019-20
District wise Total Inland Fish production (MT)
Below 10000
10001-25000
25001-50000
50001-75000
75001-100000
100001-125000
125001-150000
150001-200000
200001-250000
Above 250000
Panchagarh
Thakurgaon
Nilphamari
Lalmonirhat
Kurigram
Dinajpur
Rangpur
Gaibandha
Joypurhat
Sherpur
Naogaon
Bogura
Jamalpur
Nawabganj
Rajshahi
Natore
Sirajganj
Tangail
Mymensingh
Netrakona
Sunamganj
Sylhet
Moulvibazar
Kishoreganj
Habiganj
Pabna
Gazipur
Narsingdi
Brahmanbaria
Kushtia
Meherpur
Manikganj
Dhaka
Narayanganj
Rajbari
Chuadanga
Jhenaidah
Faridpur
Munshiganj
Cumilla
Magura
Madaripur
Shariatpur
Chandpur
Khagrachhari
Narail
Gopalganj
Jashore
Feni
Barishal
Lakshmipur
Noakhali
Rangamati
Jhalokati
Pirojpur
Chattogram
Khulna
Bagerhat
Satkhira
Patuakhali
Bhola
Barguna
Bandarban
Cox's Bazar
Bay of Bengal
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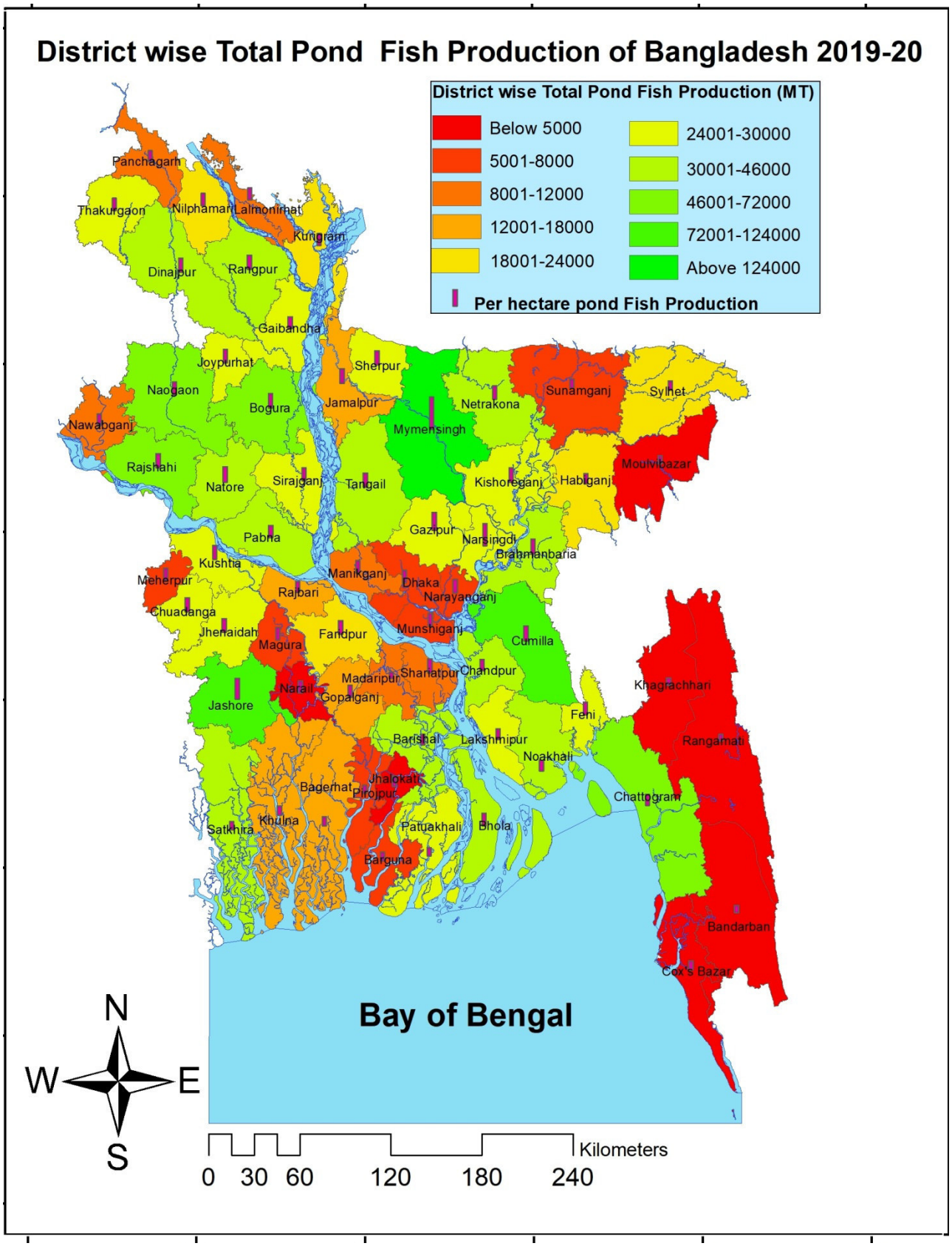
0 30 60 120 180 240


District wise Total Pond Fish Production of Bangladesh 2019-20
District wise Total Pond Fish Production (MT)
Below 5000
5001-8000
8001-12000
12001-18000
18001-24000
24001-30000
30001-46000
46001-72000
72001-124000
Above 124000
Per hectare pond Fish Production
Panchagarh
Thakurgaon
Nilphamari
Lalmonirhat
Kurigram
Dinajpur
Rangpur
Gaibandha
Joypurhat
Sherpur
Naogaon
Bogura
Jamalpur
Sunamganj
Sylhet
Netrakona
Nawabganj
Mymensingh
Rajshahi
Natore
Sirajganj
Tangail
Kishoreganj
Habiganj
Moulvibazar
Pabna
Gazipur
Narsingdi
Brahmanbaria
Kushtia
Meherpur
Manikganj
Dhaka
Rajbari
Narayanganj
Chuadanga
Jhenaidah
Faridpur
Munshiganj
Cumilla
Magura
Madaripur
Shariatpur
Chandpur
Khagrachhari
Narail
Gopalganj
Jashore
Feni
Barishal
Lakshmipur
Rangamati
Noakhali
Jhalokati
Bagerhat
Pirojpur
Chattogram
Khulna
Satkhira
Patuakhali
Bhola
Barguna
Bandarban
Cox's Bazar
Bay of Bengal
N
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E
S
Kilometers
0 30 60 120 180 240

PREFACE

The Department of Fisheries Bangladesh has been working for the sustainable development and management of the vast fisheries resources in the country and contributing significantly for the socio-economic development of the people. Fisheries sector contributes 3.52 percent to the national GDP and more than one-fourth (26.37%) to the total agricultural GDP. Fish and fisheries products contribute 1.39 percent to total export earnings (BER, 2020). More than 12% of populations including women are directly or indirectly engaged in various activities under fisheries sector for their livelihood. Bangladesh achieved self-sufficiency in fish production with a per capita fish consumption of 62.58 g/day against set target of 60 g/day (BBS, 2016).

As one of the leading fish producing countries in the world, Bangladesh ranks 3rd in inland open water capture production, 5th in aquaculture production as appeared in the FAO report ***The State of World Fisheries and Aquaculture 2020.*** Bangladesh also ranks 1st in global catch of hilsa shad, *illish* and 4th in Tilapia in world and 3rd in Asia**.** The steady growth performance in the fisheries sector has helped to reach a total fish production of 45.03 lakh MT in 2019-20, which is nearly targeted fish production of 45.52 lakh MT in 2020-21.

The Yearbook of Fisheries Statistics of Bangladesh is designed to provide statistical information of diversified fisheries resources and their contributions in fisheries production in Bangladesh for the FY 2019-20. Considering the importance and significance of fisheries data, sincere efforts have been given to furnish the latest information on different areas of fisheries production. This yearbook is aimed to work as a source of information for the planners, decision makers, researchers, producers/entrepreneurs and development partners who are intended for the sustainable development and management of fisheries of Bangladesh.

This 37th edition is a unique yearly publication of the Department of Fisheries (DoF) since FY 1983-84. The data accumulated in this publication has been collected in a systematic way following structured frame work-based regular field survey such as fish landing records, data from DoF field offices, reports of different projects of DoF and statistics of other concerned departments. The collected information has been presented in the simple tabular form after necessary analysis and scrutiny. The valuable feedback from other concerned agencies and persons has been accounted during data processing.

I express my heartfelt gratitude to Bangladesh Bureau of Statistics (BBS) for their cooperation and valuable feedback for future improvement of this publication. My sincere thanks also go to the officials of Bangladesh Fisheries Development Corporation (BFDC) and Bangladesh Forest Department (BFD) for providing necessary data for this publication.

I would like to convey my sincere appreciation to all the members of the Editorial Committee and colleagues of DoF for their cordial assistance and all concerned who have rendered valuable suggestions for the improvement of this yearbook.

Any comment and suggestion for further improvement of this publication will be highly appreciated.

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ACKNOWLEDGEMENTS

The Yearbook of Fisheries Statistics of Bangladesh is a regular publication of the Department of Fisheries and this is 37th annual publication. This book represents the detailed yearly fisheries production information of Bangladesh which would be useful for national, regional and global fisheries development planning.

Bangladesh has achieved the visionary target of being middle income country by 2021 and is on right tract in achieving the SDGs goals under the guidance and dynamic leadership of the honorable Prime Minister Sheikh Hasina. The 'Vision 2041' has been adopted in line of 'Vision 2021' to provide impetus to the development dream of the nation. Its aim is to end absolute poverty and to be graduated into higher middle-income status by 2031 and eradicate poverty on way to becoming a developed nation by 2041. Moreover, for Bangladesh to become a prosperous, developed and poverty free nation by 2041, the Government must play a leading role in creating an adaptive national system for collective, whole of society planning, adaptation, action and learning through collaboration among policymakers, private sector, academia, organizations and development partners. In view of that, this yearbook has been prepared as a guide for the planners, decision makers, researchers and development partners who are intended for sustainable development of the fast-growing fisheries sector of Bangladesh.

I would like to express my heartfelt acknowledgement, deepest sense of gratitude and profound regards to respected Director General, Department of Fisheries for her scholastic guidance, empathetic supervision, valuable advice and constructive criticism in all phases of the data collection and preparation of this yearbook.

Cordial thanks and gratitude also given to all Divisional Deputy Director, District Fisheries Officer, Senior Upazila Fisheries Officer, Upazila Fisheries Officer and other field level officials for their cooperation in providing data during data collection and processing for this publication.

I express my heartfelt gratitude whole heartedly to Bangladesh Bureau of Statistics for cooperation and precise advice and also for issuing no objection certificate (NoC) for authenticating the yearbook.

Last but not the least, I would also like to express my cordial thanks and gratitude to all the members of the Editorial Committee and colleagues of DoF for their assistance and co-operation. Special thanks to all of colleagues of Fisheries Resources Survey System of DoF for their untiring efforts throughout the data processing and formulation of this publication during the preparation of the yearbook.

Any suggestion written or oral for any improvement of this book will be the great inspiring.

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KEY FINDINGS

Sectors of Fisheries	2019-20			2018-19			Production Increased (MT)	Growth Rate (%)
	Water Area (Ha)	Production (MT)	Productivity (Kg/ Ha)	Water Area (Ha)	Production (MT)	Productivity (Kg/ Ha)		
1	2	3	4	5	6	7	8	9
A. Inland Open Water (Capture)	**3866091**	**1248401**	**323**	**3890282**	**1235709**	**318**	**12692**	**1.03**
1. River and Estuary	853863	331793	389	853863	325478	381	6315	1.94
2. Sundarbans	177700	21007	118	177700	18282	103	2725	14.91
3. Beel	114161	103104	903	114161	99890	875	3214	3.22
(a) Natural	99462	86140	866	99391	83596	841	2544	3.04
(b) Beel Nursery	14699	16964	1154	14770	16294	1103	670	4.11
4. Kaptai Lake	68800	12696	185	68800	10578	154	2118	20.02
5. Floodplain	2651567	779801	294	2675758	781481	292	-1680	-0.22
(a) Subsistence Fisheries	2317175	629615	272	2317175	623607	269	6008	0.96
(b) Fry Released Program	82675.60	38406.7	465	107346	48994	456	-10587	-21.61
(c) Haor	251717	111779	444	251237	108880	433	2899	2.66
B. Inland Close Water (Culture)	**836796**	**2583866**	**3088**	**821923**	**2488601**	**3028**	95265	**3.83**
6. Pond	404497	2046258	5059	397775	1974632	4964	71626	3.63
7. Seasonal cultured waterbody	151942	225948	1487	144217	217340	1507	8608	3.96
(a) Paddy Field/ Floodplain	137222	200304	1460	129979	192793	1483	7511	3.90
(b) Borrow pit	14720	25644	1742	14238	24547	1724	1097	4.47
8. Baor	5671	10969	1934	5671	10343	1824	626	6.05
9. Shrimp/Prawn Farm	257888	270114	1047	258553	258039	998	12075	4.68
(a) Shrimp/Prawn Production	-	127601	495	-	125110	-	2491	1.99
(b) Fish Production	-	142513	-	-	132929	-	9584	7.21
(c) Crab Production	9535	12562	1317	9377	12084	1289	478	3.96
10. Pen Culture	7263	13425	1848	6330	12361	1953	1064	8.61
11. Cage Culture	1.79 lakh cum	4590	26 kg/ cum	1.76 lakh cu. meter	3802	22kg/cum	788	20.73
C. Marine Fisheries	-	**671104**	-	-	**659911**	-	**11193**	**1.70**
12. Industrial	-	115354	-	-	107236	-	8118	7.57
13. Artisanal	-	555750	-	-	552675	-	3075	0.56
Total Fish Production	-	**4503370**	-	-	**4384221**	-	**119149**	**2.72**
Production of Selected Species								
Hilsa Production (MT)	-	**550428**	-	-	**532795**	-	**17633**	**3.31**
(a) River	-	244972	-	-	241817	-	3155	1.30
(b) Sundarbans	-	890	-	-	662	-	228	34.44
(c) Marine	-	304566	-	-	290316	-	14250	4.91
Shrimp/Prawn Production (MT)	-	**241281**	-	-	**239855**	-	**1426**	**0.59**
(a) Shrimp/Prawn Farm	-	127601	-	-	125110	-	2491	1.99
(b) Other Sources	-	70864	-	-	71996	-	-1132	-1.57
(c) Marine	-	42816	-	-	42749	-	67	0.16

* ***Cage culture volume is 1,79223 cubic meter assuming average one-meter depth covering 17.92 ha water area. This area is included within River and Estuary area.***

EXECUTIVE SUMMARY

Bangladesh, the fortunate in having potential water resources, is one of the world's leading fish producing countries with a total production of 45.03 lakh MT in FY 2019-20, where aquaculture accounts for 57.38 percent of the total fish production. Over the last 12 years, with the fairly steady average fisheries growth of 4.82 percent and consistent average aquaculture growth of around 8.59 percent. It is expected that the country will fairly exceed the projected production target of 45.52 lakh MT of fish by 2020-21 in conformity with the targets of ***Vision-2021*** of the present Government. Now, Bangladesh becomes self-sufficient fish producing country supplements about 60% (with per capita of 62.58 g/day against targeted 60 g/day) of total daily animal protein intake of her people. Bangladesh earns a considerable amount of foreign currencies by exporting fish, shrimps and other fishery products that contributes 1.39% of the total national export earnings, In 2019-20, the country earns BDT 398515.00 lakh by exporting almost 70.95 thousand MT of fish and fishery products.

According to FAO report *The State of World Fisheries and Aquaculture 2020*, Bangladesh ranked 3rd in inland open water capture production and 5th in world aquaculture production. Currently Bangladesh ranks 4th in tilapia production in the world and 3rd in Asia. The national fish hilsa (*Tenualosa ilisha)* as a single species has been making the highest contribution (12.22 percent) to the country's total fish production. **Geographical Indication Registration Certificate** has also been achieved for our national fish hilsa named as '**Bangladesh ilish**'.

In 2019-20, fisheries sector contributes 3.52% to the national GDP and more than one-fourth (26.37%) to the agricultural GDP. More than 12 percent of nearly 170 million population of Bangladesh depend on fisheries and aquaculture related activities on full time and part time basis for their livelihoods. The Department of Fisheries working with the most productive and dynamic fisheries sector of high potential to contribute for the economic development of the country has been awarded *Bangabandhu National Agriculture Award 1423* for its outstanding performance during the recent past years.

Over the last three decades, the total fish production of Bangladesh has been increased about six times more (7.54 lakh MT in 1983-84 to 45.03 lakh MT in 2019-20). The country's vast fisheries resources are broadly divided into three sub-groups, i.e., inland culture, inland capture and marine capture. Inland culture fishery includes mainly pond/ditch, ox-bow Lake (baor), shrimp/prawn farm, seasonal cultured water-body, pen and cage culture, etc. covering an area of about 8.37 lakh ha and produces 25.84 lakh MT accounting for about 57.38 percent of the total fish production in 2019-20. The aquaculture production of 10.63 lakh MT in 2008-09 has been more than doubled to 25.84 lakh MT in 2019-20 showing consistent growth performance.

Inland aquaculture of indigenous and exotic carp species as well as pangas, tilapia and koi has been expanded massively and farming of valuable, nutrient-rich indigenous species like koi, shingi, magur, pabda, gulsha, mola etc. drew special attention among the farmers as well. Such great aquaculture contribution is achieved for the adoption of improved farming practices by the farmers supported with required extension services. In addition, new farming technology like pen culture, cage aquaculture, new species, intensification of pond farming in particular generally helped experiencing fast growth in aquaculture and country's favorable climatic conditions and future endeavor will help aquaculture grow further both at vertical and horizontal dimensions.

But the rapid development of shrimp and fish hatchery and nursery mostly owned by the private entrepreneurs has helped for the promotion and quick expansion of aquaculture during the recent past decades in the country which also created some seed quality problem as well. Reasons for carp seed quality deterioration included inbreeding, negative selection, non-availability of quality brood and improper brood management practices and in case of shrimp, non-availability of virus-free mother shrimp and overall non-compliances in hatchery operation protocol. To address these current challenges of seed quality crucial for inland culture fishery, several special programs like establishment of major carp brood bank, supply of imported Chinese carp brood of natural origin, promotion of Specific Pathogen Free (SPF) shrimp hatchery with policy support, enforcement of fish hatchery regulations, monitoring and capacity building of govt. and private hatchery operators and extension workers etc. are being undertaken by the government.

Inland capture fishery comprising rivers and estuaries, Sundarbans water resource in the forest, beels, Kaptai Lake, and floodplain is very rich in biodiversity with almost 260 freshwater fish species have historically dominated the fish production of Bangladesh. But the share of inland capture fisheries to total fish production have been gradually reduced to the lowest level from 62.59% in 1983-84 to 27.72% in 2019-20 due to over exploitation, degradation and loss of fish habitats, siltation of water bodies and water pollution from industry and agro-chemicals. Despite gradual declination of open water fish habitat, the implementation of governments several need-based special programs has impacted to minimize the declination of fish production.

For addressing the current challenges of inland capture fishery, several special programs are being implemented in the recent past intended to increase the productivity. The program included introduction of biological management of open water, community based fisheries management, establishment of beel nurseries, stocking of fingerlings including endangered species, restoration of fish habitats to facilitate breeding and migration, establishment and maintenance of sanctuaries for the conservation of biodiversity, expansion of cage and pen farming in feasible water areas, introduction of coordinated management approach, issuing of fishers' identity card, access to fisher's right, enforcement of fish conservation acts, adoption of climate smart technologies, etc.

As a result, in many cases fishers rights were established and they were motivated for biological management rather only catching of fish. With the continuation of community-based fisheries interventions in some cases, a strong partnership has been developed among the concerned stakeholders, i.e. GO, NGO, local elites and fishers at implementation level. The main objective of this program is to improve the livelihood of fishers and other stakeholders through increased income and supply of animal protein. During the recent past year, around 400 fish sanctuaries along with six hilsa sanctuaries have been established and accordingly managed by the local beneficiaries. Due to eco-friendly initiative, open water capture fishery demonstrated a substantial increase in fish production as well as abundance of endangered species, which ultimately enhanced the aquatic biodiversity. Besides, six hilsa sanctuaries have been established in the selected river system for the conservation and development of hilsa fishery in the country.

The national fish hilsa is the biggest single-species fishery, with landings accounting for about 12.21% of annual fish production by volume in 2019-20; these contribute an estimated one percent to the country's GDP. Hilsa production once abundant in1970's gradually declined in many rivers system in 1990's. This declined river catch has been attributed to a combination of factors such as the closure of migratory routes, river siltation, overfishing, indiscriminate catching of brood stocks and juveniles, use of monofilament small meshed nets (current jal), mechanization of fishing, and increasing numbers of fishers, industrial pollution, and climate variability. To achieve the increased target of hilsa production, government has undertaken several protection and conservation measures to protect Jatka and hilsa brood. The Hilsa Fisheries Management Action Plan (HFMAP) are also being implemented through mass awareness campaign, rallies, meetings, enforcing conservation acts, establishing hilsa sanctuaries, seasonal fishing ban distribution of rice among the fishers, offering alternative livelihoods of fishermen as cash incentives. As a result, in recent years, total hilsa national catches have increased and since 2002-03, hilsa catch of 1.99 lakh MT has been increased to 5.50 lakh MT in FY 2019-20.

Coastal aquaculture comprised of both shrimp/prawn and finfish and shrimp farming in ghers (ponds/enclosures) has been expanding in coastal belt. Presently farmers complying Good Aquaculture Practices (GAP) are becoming more interested to adopt eco-friendly shrimp farming system and also cluster shrimp farming approach. As shrimp is one of the major export items, government of Bangladesh has taken up different programs to increase shrimp production through dissemination of appropriate technology and to promote business-friendly supply chain with special care for hygiene and safety of fish and fishery product to be marketed both in domestic and export market. Emphasis was also given to maintain quality standards in all stages of fish and shrimp production, processing and export with strong monitoring by the Competent Authority (CA). With the govt. intervention, total shrimp and prawn production including capture has been increased from 1.00 lakh MT in 2002-03 to 2.70 lakh MT in 2019-20.

Bangladesh having sovereign rights over almost 118,813 sq. km in the Bay of Bengal possesses vast marine water resources rich in biodiversity. Marine fishing sector provides only about 14.90% of national fisheries production of 6.71 lakh MT in 2019-20, it involves over 220 industrial trawlers and more than 67000 artisanal vessels. Artisanal small-scale fishery contributes 82.86%; i.e, 5.56 lakh MT and large industrial fishery contributes 17.14%, i.e. 1.15 lakh MT of total marine production. Over the three decades, since 1983–84, the total marine catch of 1.65 lakh MT has increased to 6.71 lakh MT in FY 2019-20. The government has given much priority for the sustainable management of marine fisheries resources and undertaken various measures like strengthening monitoring, controlling and surveillance (MCS), catch monitoring, declaration of St. Martin Island and Sundarbans mangrove forest as sanctuary, and declaration and surveillance of 698 sq. km marine reserve and marine protected area (MPA) of 1738 sq. km in the Bay of Bengal and to protect and conserve the breeding grounds of marine flora and fauna. Another MPA is under declaring stage to achieve the specific **SDG target (14.5.1)**.

Human resource development is mandatory for the Department of Fisheries (DoF) to handle administrative, management and technological issues efficiently by the deployed staffs with enhanced capabilities. DoF following Human Resource Development Sub-strategy developed as per National Fisheries Policy 1998 used to organize both in-country and overseas training for the officer's to enable them for the transfer/dissemination of technology, enforcement of fisheries regulations and also act as trainer. For this purpose, regular training programs are being conducted with support from both revenue and development budget of DoF for the skill development of concerned personnel including DoF officials/staff, extension workers, entrepreneurs, fishers, fish farmers, unemployed youths, left behind peoples of hilly, haor, and char areas distressed women, landless and marginal farmers, etc.

The National Fisheries Policy 1998, a key policy document, includes number of acts and rules related to conservation of inland and marine fisheries to be enforced by DoF which will help support to achieve the SDG targets set by the Ministry of Fisheries and Livestock (MoFL). The different agencies including DoF under the MoFL has been implementing various socio-eco-friendly interventions aligning with its mandate for achieving SDG targets. MoFL, in consultation with the stakeholders, has already developed ***SDG Action Plan and Monitoring Framework*** through National Mid-Term and Long-Term Development Plans. MoFL has also taken necessary initiatives to review the progress of the planned interventions, which eventually contributes to achieve the specific SDG targets. As per GED Handbook on ***Mapping of Ministries by Targets in the Implementation SDGs aligned with 7FYP (2016-2020)*****,** MoFL has identified as Lead Ministry for the SDG targets- 14.2, 14.4, 14.5, 14.6, 14.7 and 14.b under the ***Goal 14*** *(Conserve and sustainably use the oceans, seas and marine resources for sustainable development).*

To achieve the SDG targets/specific global indicators multiple interventions are outlined in the developed action plan incorporating on-going and proposed development projects and programs. Considering the multiple stakeholder engagement for the effective implementation of the planned interventions, institutional linkages among the key stakeholders are in active consideration. Capacity building of the agencies is also considered as priority agenda for the ministry for sustainably manage the resources as well as to develop comprehensive data generation and management system of the fisheries sector in a very holistic manner.

Bangladesh fisheries have ample scope of development to strengthen the national economy. To realize the potential, concerned government departments, development partners, researchers and non-government organizations can play important role in the wide-ranging advancement of the fisheries sector. For the overall development and management of fisheries sector, DoF has been implementing number of development projects toward the sustainable utilization of fisheries resources to ensure food and nutrition security. For the better planning accurate fisheries statistical information is prerequisite. For three and half decades DoF has been publishing this valuable document (***Yearbook of Fisheries Statistics of Bangladesh)*** with the very specific objective of providing necessary and precise fisheries production information facilitating resource-based fisheries planning and management.

CHAPTER 1

INTRODUCTION

Background

Fish, the second most valuable agricultural crop in Bangladesh, play a crucial role in the livelihoods and employment of millions of people. The culture and consumption of fish therefore has important implications for national income and food security. Bangladeshi people are popularly referred to as "Mache Bhate Bangali" or "Fish and Rice makes a Bengali".

Fisheries in Bangladesh have both prospects and challenges. Fisheries sector being one of the most productive and dynamic sectors is playing an increasingly significant role in the economy for the last few decades. Bangladesh has achieved remarkable progress in the fisheries sector since its independence in 1971. This sector is contributing a very vital role in the socio-economic development and deserves potential for future development in the agrarian economy of Bangladesh. It contributes 3.52% to our national GDP and more than one-fourth (26.37%) to the agricultural GDP as well as 1.39% to national export earnings. This sector provides major share (60%) of all consumed animal protein.

Bangladesh is blessed with vast and rich fisheries resources. The enriched and diversified fisheries resources of the country are broadly divided into two groups as Inland and Marine fisheries. Inland fisheries are again divided into two sub-groups as Inland Capture and Inland Culture fisheries. Inland Capture fisheries comprise with river and estuaries, beels, floodplain, Sundarbans and Kaptai Lake and Inland Culture fisheries include pond, seasonal cultured waterbody, baor, shrimp/prawn farm, crab, pen culture and cage culture. Again, Marine fisheries include Industrial (Trawl) and Artisanal fisheries.

Department of Fisheries received prestigious **Bangabandhu National Agriculture Award 1423,** the highest state recognition in agriculture sector for its outstanding performance during the recent past years. These achievements have been possible through implementation of the government fisheries policies and regulations as well as activities implemented by the government for development of fisheries resources.

Yearbook of Fisheries Statistics of Bangladesh 2019-20 is designed to provide statistical information on various fisheries resources and their contribution in fisheries production in Bangladesh. It represents the brief collection and compilation of statistics on fish production of different fisheries resources prepared by the concerned office under the Department of Fisheries. Department of Fisheries conducts catch assessment survey for Inland (capture and culture) and Marine fisheries on regular basis.

Department of Fisheries has been regularly producing the yearbook of fisheries statistics as a regular publication since 1983-84. This is the 37th annual publication comprising updated fisheries statistical information on different sources of fisheries production in Bangladesh. This yearbook represents country's detailed yearly fisheries production data collated systematically during the year of 2019-20. Considering the importance and significance, DoF has been trying to deliver the up-to-date information on different areas of fisheries production. Moreover, crab production has been incorporated since FY 2015-16 and also cuchia production has been added in this FY 2019-20.

The data accumulated in this publication has been collected following well designed methodology such as field survey, fish landing records, data from DoF field offices, reports of different projects of DoF and statistical reports of other concerned departments. Regular supervision and monitoring have been done to present reliable and accurate data reducing occurrence of error. The valuable feedback from the concerned agencies and persons has been taken into account during the processing of data. The information is presented in this publication in the simplest form after necessary analysis, search and scrutiny. The production of fish and shellfish from different waterbodies or fisheries resources has been presented at national, divisional and district wise. The comparison of fish production of different years from various resources and year-wise annual export data has also been added.

Bangladesh fisheries have great potential to flourish further to contribute to the economic growth of the nation. Timely, reliable and trustworthy fisheries data and statistics are crucial to monitor progress or performance of any program and also to take up better developmental plan. This edition of fishery statistical yearbook is published with the objective of providing necessary and precise fisheries data facilitating need-based fisheries planning and development to be taken up by the concerned stakeholders.

Objectives of the Yearbook

The objectives of the Yearbook are as follows:

- To estimate total fish production of different fisheries resources/sectors of Bangladesh;
- To compile fish production area wise (district wise);
- To compile production species wise;
- To provide official statistics of fish production to different key stakeholders in the fisheries sector;
- To use production information for national, regional and global fisheries development and management planning; and
- To provide fisheries production information to facilitate resource-based fisheries planning by the related different stakeholders.

Scope

- Proper fisheries planning and facilitating project for fisheries development.
- Sharing and dissemination fisheries information /data.
- Preparation of action plan to be taken and in use.
- Fisheries development and enlargement strategy.
- Fisheries research programmes planning.

Limitation

The sampling frame was done in 1985 and data is being processed on the basis of this frame survey. It may lead some differences in estimation of the actual production.

CHAPTER 2

Methodology, Concepts and Definitions
(Fisheries Catch Assessment of Survey System)

Introduction

Bangladesh endowed with vast potential water resources is one of the world leading fish producing country.This sector is contributing significantly in food security through providing safe and quality animal protein. The fisheries sector contributes 3.52% to GDP and 26.37% to agricultural GDP as well as 1.39% to total country export earnings. Fish supplements to about 60% of our daily animal protein intake. More than 12 percent of the total population of Bangladesh is engaged with this sector in full time and part time basis for their livelihoods. This sector also has high potential for the perspective of economic development of the country. Bangladesh earns a considerable amount of foreign currencies by exporting fish, shrimps and other fisheries products.

The Yearbook of Fisheries Statistics of Bangladesh is designed to provide statistical information on diversified fisheries resources and contribution in fisheries production in Bangladesh. Fisheries Resources Survey System (FRSS) of Department of Fisheries is conducting catch assessment survey for Inland (Capture & Culture) and Marine fisheries since 1983-84 with assistance of field level officers. This yearbook is very useful for national, regional and global fisheries development and management planning.

Sources of data collection

The sources of data collection are based on mainly 3 sectors viz; (A) Inland Fisheries (Capture), (B) Inland Fisheries (Culture) and (C) Marine Fisheries which consist of 14 sub-sectors as described in the following table. Fisheries Survey Officers and other field officers of DoF are responsible for data collection.

Sector of Fisheries	Definition
Inland Fisheries	Inland fisheries are "any activity conducted to extract fish and other aquatic organisms from inland waters". Small-scale fisheries rely on inland water bodies such as ponds, rivers, beels, floodplains, haors, lakes, dead rivers (baor), wetlands, reservoirs etc. in inland locations. Fisheries within from surface waters as inland of the coastline.
A. Inland Open Water (Capture)	Capture fisheries in Inland open water refers to the harvesting of fish stocks occurring naturally in inland open water body which includes river and estuary, beels, floodplains including haor, Kaptai lake, Sundarbans along with subsistence fishing
1. River & Estuary	Fisheries in rivers and estuarine waters. River refers to a natural stream of water of fairly large size flowing in a definite course or channel or series of diverging and converging channel. It is a large natural flow of the watercourse; usually freshwater that courses an area of land and goes into sea, ocean etc. On the other hand, estuary is a natural stream of water across the land flowing towards in the sea. It refers to the widening channel of a river, where it nears the sea with a mixing of fresh water and salt water.
2. Beels	Beel is an open water (capture) fisheries. Beel is defined as lake-like wetland with relatively large surface, static water body as opposed to moving water in rivers, canals-typically called khals. It is a low-lying depression on a wetland or floodplain, sometimes drying up in the dry season. Sometimes, it contains water around the whole year.

Sector of Fisheries	Definition
3. Floodplain (including Haor)	Fisheries in flood lands, including small canals around paddy fields. Floodplains are relatively low-lying flat land area, bordering rivers and seasonally over flooded by overspill from the main river channel. It is inundated for 3-4 months in the rainy season and partly dried during the dry season. A haor is a marshy wetland ecosystem which physically a bowl or saucer shaped. The haors remain flooded for about 7 to 8 months. During the rainy season, the haors look just like vast inland sea.
4. Kaptai Lake	Fisheries in Kaptai Lake only. It is an artificial manmade creek shaped lake located in the Kaptai Upazila under Rangamati District
5. Sundarbans	Fisheries in Sundarbans only. Sundarbans, the largest single block of tidal halophytic mangrove forest in the world, comprises with flowing rivers and a mangrove area separated by interconnected tidal rivers, creeks and canals. It is the unique habitat that serves as the nursery and breeding grounds for several commercially important species of aquatic fauna like fish, shrimps and prawns etc.
6. Subsistence fishing	Non-commercial fishing in inland waters. It is fishing or catching fish only for own house-hold consumption not for sale.
B. Inland Closed water (Culture)	The area of inland water closed from the other waters.The farming of fish in freshwaters/estuarine water.
7. Ponds	Fisheries in ponds and tanks. Manmade closed water body with permanent embankment or boundary. It is relatively a small water body of still water. Ponds may be perennial or seasonal based on water retention capacity.
8. Seasonal Cultured Waterbody (SCW)	Fisheries in seasonal waterbody. Seasonally flooded area with temporary boundary to capture fish.
9. Baors	Fisheries in baors. Baor is mainly dead river creating a free standing body of water for fish culture. Baor, the horseshoe shaped oxbow lake was created by the meandering rivers changed their courses, part of the old course got silted up and cut-off from the main stream channel by depressing and filled with water. A baor apparently looks like a lake, but unlike lakes, it remains connected with original river through channels during monsoon.
10. Shrimp Culture/Prawn farm	Shrimp culture in estuarine waters and prawn culture in fresh water. The waterbody is closed with boundary for shrimp/prawn culture.
11. Pen culture	Pen culture, an enclosure type fish culture, is defined as raising of fish in a volume of water enclosed on all sides except bottom, permitting the free circulation of water at least from one side. In a fish pen, the bottom of the river, beel or any other water body forms the bottom of the pen. Pens are constructed by nylon or polyethylene mesh nets with traditional bamboo fences. By strict definition, a cage and a net pen differ based on their construction.
12. Cage culture	Cage culture is an intensive method of aquaculture in which fish is reared in cages placed in waterbody with sufficient water movement. It is blocked with nets, framed on all sides with bamboo or steel and floats in water along with anchored to the lake/river bottom. A cage is totally enclosed on all side, but the top side by mesh or netting. Fixed cages are used in shallow waters and fixed at appropriate height from muddy bottoms.

Sector of Fisheries	Definition
C. Marine Fisheries	Fisheries out of the sea coastline
13. Industrial Fisheries (Trawling)	Fisheries using larger boats such as trawlers in marine waters fish beyond 40-meter water depth.Trawling is a method of that involves pulling Fishing net through the waters. Commercial fishing vessel having the high level of technology and investment designed to operate fishing trawlers for carrying out fishing on a large scale.
14. Artisanal Fisheries	Fisheries using relatively smaller boats. Artisanal fishing occurs in shallow water normally within 40-meter water depth using mechanical or non-mechanical boats. It refers to small-scale, low technology and low capital fishing practices undertaking by individual fishing households. Many of these households are of coastal or island national groups. These households make short (rarely overnight) fishing trips close to the shore. Artisanal fisheries can be subsistence or commercial fisheries, providing for local consumption or export. They are sometimes referred to as small-scale fisheries.
a. Mechanized	Fisheries involved fishing operation by using mechanized boats.
b. Non-mechanized	Fisheries involved fishing operation by using non-mechanized boats.

Besides, data are also collected for:

- Hatchling/Spawn production in the government and private hatchery
- Carp spawn/fertilized eggs collection from natural resources
- Annual export of fish and fish products
- Dry fish production of Inland and Marine fisheries

Bangladesh Fisheries Development Corporation (BFDC) and Bangladesh Forest Department (BFD) usually provide fish production of Kaptai Lake and Sundarbans respectively. Fish production from other sources collected through the Catch Assessment Survey by DoF officers at the field level.

After collecting data from these sources, the collected data are presented for necessary cleaning, screening, editing, compilation and then for analysis. Team of Fisheries Resources Survey System (FRSS) is involved for this data accumulation, processing analysis for the annual fish production report as **Yearbook of Fisheries Statistics of Bangladesh**.

Methodology of Data Collection

- A catch assessment survey is designed to collect catch data of the different sectors of fisheries to estimate yearly total fish production for statistical purposes in Bangladesh.
- Each of the catch assessment survey is designed as a sample survey of three-stage or two-stage sampling or systematic sampling or simple random sampling for estimating total catches (production) on the basis of sample catch data collected by the DoF officers at field level.
- For selecting the first sampling units such as sample villages and for calculating raising factors for estimating total catches by districts, a frame survey has been conducted in advance of the initiation of each catch assessment survey to provide a complete list of the first sampling units such as fishing villages together with basic information such as the number of fishing boats.

Fixed Sample Villages: Sample villages are carefully selected and fixed for several years for keeping track of the annual trend and seasonally changes of total fish catches from pond, river, subsistence etc.

Recording of Catches: Observation of fishing activities and interview with the relevant stakeholders.

Number of Fishing Units: A fishing unit is defined as minimum units necessary for fishing, usually consisting of a combination of a fishing boat, fishing gear and fishermen.

No. of Fishing unit	No. of sample fishing units
10 and above	5
5 – 9	3
2-4	2
1	1

Data Processing

- Collected data of the catch assessment survey are being processed at the headquarters. So, completed survey forms are to be thoroughly checked at field level (at district & divisional level) and sent to headquarters accordingly.
- Data are being processed by FRSS software at the headquarters. The software was developed with the cooperation of CEGIS.

Source wise different Formats

Source wise	Formats		
1. River	Form-1, 2, 3	--	Form-4
2. Pond	Pond-1, 2	Pond-3	Pond-4
3. Floodplain / Subsistence /Haor	Form S2/F2	Form S2/F2	Form S2/F2
4. Beel	Beel-1,2,3	--	Beel-4, 5,6
5. Baor	Baor-1	Baor-2	Baor-3
6. Shrimp Farm	Form-1	Form-2	Form-2
7. Seasonal CWB	---	SCW-1	SCW-2
8. Pen & Cage	PC-1	PC-2	PC-2
9. Kaptai Lake	BFDC		
10. Sundarbans	BFD		
11. Marine (Industrial)	MI-1, MI-2, MI-3	---	MI-4
12. Marine (Artisanal)	MA-1, MA-2, MA-3	---	MA-3
FRSS Chart-1, Chart-2, Chart-3			

Survey System

The purpose of the catch assessment survey is to estimate total catch of different sectors of fisheries by the following classifications:

- By districts
- By months
- By gear used
- By species
- Producer's price
- Fixed sample village
- Fixed sample day
- Monthly schedule
- Estimated total catch could be found by multiplying Raising Factor (Total no. / sample no. = Raising Factor). Estimated total catch = Catch data from sample unit x Raising Factor.

Note: In case of emergency, any disaster or natural calamity arises, fixed sample day can be changed/replaced temporarily.

Responsibility for data collection

Responsible Officer	Upazila/District/Division /Headquarter	Supervision
Senior Upazila Fisheries Officer (SUFO) /Upazila Fisheries Officer (UFO) /Assistant Fisheries Officer (AFO)/Field Assistant (FA)	Upazila Level	District Fisheries Officer
Fisheries Survey Officer (FSO)	District level	District Fisheries Officer
Scientific Officer (SO)	Division level	Coordination & Supervision by Deputy Director
For all	Upazila/District/Division	Deputy Director & Headquarter Staff (FRSS)
Marine Wing	Marine Fisheries	Director (Marine)
Shrimp Wing	Shrimp Cell	Deputy Director (Shrimp)
BFDC Staff	Kaptai Lake Fishery	BFDC
Bangladesh Forest Department (BED)	Sundarbans Fishery	BFD

Data Input & Processing	Headquarter Staff	Principal Scientific Officer (Overall Supervision of Field & Headquarter)

Sampling Method

Riverine Fisheries

The purpose of the catch assessment survey for the riverine fisheries is to collect sample catch data and producer price data necessary for estimating total catches, their values and corresponding fishing effort by districts as well as principal, major and other rivers, by months, by types of gear used and by species.

Sample Selection

Sample Stage	Sample Unit
Primary sampling	Fishing village
Secondary sampling	Day
Tertiary sampling	Fishing unit

A fishing unit is defined as minimum units necessary for fishing, usually consisting of a combination of a fishing boat, fishing and fishermen.

Recording of catches

Two sample days in each month.

- **Observation of catches:** The data collector has to be on board of one or two sample fishing units to actually observe their catches before they are sold to buyers on the river.
- **Interview of catches:** The responsible person for data collection has to interview to fishermen of the other sample fishing units to ask their catches, when they returned from their fishing. (Form River 1 & 2)

Note: Sample villages are fixed for several years.

Selection of sample villages

i) For each Principal river, two largest villages and one medium sized village in terms of the number of fishing boats are selected as representatives.

ii) For the other rivers, two largest villages and one medium sized village are selected from all the rivers. Selection of representative village in terms of locations and types of gear used and also accessibility of the selected villages is to be checked.

Selection of sample days

Two sample days (fixed) are selected in each month for each of the sample villages to have an interval of 15 days and fixed for several years.

Estimation of daily total catch

The total of sample catch data, thus obtained are to be extrapolated by a raising factor (daily raising factor), which is to be calculated by dividing the number of all fishing units operated by the number of sample fishing units of the type of fishing gear on that sample day to get an estimated daily total catch (Form River 3 &4).

Estimated total catch of the day = Sample Total × Raising Factor

Where, Raising Factor = Number of total units operated in the day/Number of sample units observed /interviewed

District Total Catch of the month = Average Total Catch of Sample Villages × District Raising Factor × Days of the Month/1000 (MT)

$$\text{Where, District Raising Factor} = \frac{\text{District Total Boat of the River}}{\text{Total Boat of Sample Villages}}$$

Pond Fisheries

The purpose of the catch assessment survey of the pond fisheries is to collect sample catch data for estimating the average annual catch per hectare of pond by district, by conditions of ponds and by species.

- 01 sample village is to be selected in each Upazila as a representative for several years
- List of 100 ponds has to be done.
- Fixed sample pond for several years
- **Sample ponds:** 05 at least for each category
- **Sample day:** once every month for each sample village (same day of every month) to interview for the previous month on fish catch and input for fish culture.
- **Pond condition survey:** On the first day of the survey of each year, the Officer is to survey pond condition of each of the sample ponds in the sample village by using Pond - 2.

Category of Pond

Cultured Method	Production Range
Extensive	<1.5 MT/Ha
Semi-intensive	1.5- 4.0 MT/Ha
Intensive	>4.0 -10 MT/Ha
Highly Intensive	>10.0 MT/Ha

Beel Fisheries

The purpose of the catch assessment survey for the beel fisheries is to collect sample catch data of beel as for estimating the annual total catch of beels by districts and by species.

- Two sample beels has to be selected for each district.
- The selected two beels must be representative in terms of fish production, condition, management, fishing practice etc.
- It could be followed that one beel is greater than 20 acres and another less than 20 acres.
- Fingerlings have been released under different DoF's programs and projects. Besides, leaseholder or different cooperatives take initiative to release fingerlings to beels. So, one beel should be selected from natural beel and one beel from stocked beel/beel nursury, where fingerlings have been stocked. On the other hand, one beel has to be selected from productive beel and another from less productive.

Sample day: Once every month for each sample Beel (Beel-2, Beel-3, Beel-4, Beel-5, Beel-6)

Physical Condition of Beel & Information

Identification, physical condition and general information as Beel area, management, no. of fishing unit, fishers, no. of gear & type, no. of the boat, no. of katta etc. should be incorporated into this form (Beel-1).

Catch Data Collection

Beel fishery is being done usually by two ways as Katta fishing and other fishing where fish is caught by gear & other units.

Other fishing

- Data on fish catch by species wise *once in a month* during the fishing period of beel.
- He has to collect data on the visiting day and also the previous day (Format Beel-2).
- Sample unit of fishing has to be selected for each type of gear.
- Estimate average production of two days.
- Gear wise total production has to be estimated (Average production x Raising Factor)
- The total catch of sample day has to be estimated (Format Beel-3) for all gears.
- The total catch for the whole season on the basis of total no. of fishing days and sample data has to be estimated (Format Beel - 4)

Katta Fishing

- At stage of declining water of beel, katta fishing usually started.
- Firstly, total katta has to be listed and sample size of katta is to be determined for collection information.
- Total catch has to be estimated by using Raising Factor (Format Beel -5).

Estimation of Total Annual Fish Production from Beel

- Annual total fish production can be estimated from (Format Beel-6) other fishing and katta fishing.

Shrimp /Prawn Farm Fisheries

The purpose of the catch assessment survey of the shrimp farm fisheries is to collect sample catch data of shrimp farms as well as sample data for calculating the increase rate of the total area of shrimp farms, necessary for estimating the annual total catch of shrimp farms by districts and by species.

The reports of shrimp farm, shrimp production and shrimp farm area are being collected from Shrimp Cell of DoF. Actually, Shrimp Cell compiled this type of report and supply to FRSS. Besides, Officers also collect data in relation to Shrimp farms using Shrimp Farm *Form-1 & 2.*

- Shrimp Cell of DoF usually compiles this report.
- All catches from govt. Shrimp farms.
- Monthly catch from private shrimp farms (Form-1 & 2.)
- Two types- (i) exclusively shrimp/prawn & (ii) Mixed (Shrimp & Fish).

Subsistence/Floodplain

Purpose of catch assessment survey of the subsistence/floodplain fisheries is to collect sample catch data of flood waters in the monsoon season as for estimating the annual total catch of subsistence by districts and by species.

- One sample village is to be selected for each district, which should be representative for the district.
- Firstly, 100 households are to be listed in each sample village (Form - S1 and F1)
- 10 sample households are to be selected out of 100 households by systematic sample.

- In order to see seasonal change and long-term trend of the catch by the sample fishing households, the sample households are not to be changed for a few years.
- *A certain day* of the month is to be selected as a survey day for sample village. The survey day is to be the same day of the month every month.
- The Officer is to visit sample subsistence/floodplain fishing households and interview with the head of household or any other member on their fishing activities during the previous month (Form - S2 and F2). Besides, he will try to observe actual catches by subsistence catchers.

Baor Fisheries

The purpose of the catch assessment survey for the baor fisheries is to collect sample catch data and producer's price of baor for estimating total catches and their values by months and by species. There are some baors at Dhaka division and Khulna division. Out of these, some baors are managed by the government and others are managed privately.

- **Management of Baor:** Some baors are managed by the government and others are managed privately. There are some baors at 04 districts of Dhaka division (04 nos. baors) and 10 districts of Khulna division (14 nos. baors).
- **Government managed Baor:** 06 baors are managed by the Government**.**
- **Production data of Govt. managed baor:** Respective Baor Manager provides necessary yearly production data of Govt. managed baor (6 baors) by species wise *(Form - Baor-1& Baor -2).*
- **Privately Managed Baor:** Sample baor (1 to 3 nos.) has to be selected for each district for accumulating data. The Investigator will visit baor once a month and talk to leaseholder, cooperative and fishers collect information *(Form - Baor-1& Baor -2).*

Seasonal Cultured Waterbody (SCW)

The purpose of the catch assessment survey of the seasonal cultured waterbody (SCW) fisheries is to collect sample catch data from the seasonal cultured water body, where fish is cultured seasonally at paddy field and floodplain. Besides, there is also the seasonal cultured practice of fish at the boropit, polder etc.

- Listing of all Seasonal Cultured Waterbodies (SCWs) with area and no.
- Data collection on sample basis at Upazila level (Form SCW1 & SCW2).

Pen and Cage Culture

In most places, there is increasing practice of fish culture at Pen and Cage. The purpose of the catch assessment survey for the Pen and Cage fisheries is to collect sample catch data from Pen and Cage (Form PC-1 & PC-2)

Kaptai Lake Fisheries

The purpose of the catch assessment survey of the Kaptai Lake fisheries is to collect data on catch and fishing effort of the fisheries for estimating the total catch by months, fishing gear and by species. Bangladesh Fisheries Development Corporation (BFDC) usually provides yearly total production of Kaptai Lake fisheries. After compilation of catch statistics of Kaptai lake done by BFDC is included in the Yearbook of Fisheries Statistics of Bangladesh.

Sundarbans Fisheries

The purpose of this compilation of catch statistics of Sundarbans Fisheries is to yearly compile such statistics for inclusion in the Fisheries Statistical Report of Bangladesh by utilizing data already collected by the Divisional Forest Officer. Yearly compiled, catch data provided by Forest Department are included in the Yearbook of Fisheries Statistics in Bangladesh.

Marine Fisheries

Marine Industrial Fisheries (Trawler Fishing)

The purpose of the catch Assessment Survey of the Marine Industrial Fisheries (Trawler) is to collect catch and effort data of trawlers for compiling statistics on the monthly total catch of Trawlers by types of fishing (Shrimp trawlers, fish trawlers and mixed trawlers) and by species and their corresponding fishing effort such as the total number of fishing days.

- **The purpose of the catch report survey:** The purpose of the catch report survey is to collect catch and effort data of each trip made by trawlers at their arrivals.
- **Survey organization**: The Marine Fisheries Office of Department of Fisheries, Chattogram is to conduct the survey with its Inspectors.
- **A collection of reports**: The Inspector is to attend each arrival of trawlers from their fishing trip and request the captain to submit the completed catch report form. The Inspector should check the data reported in the form (*Form -MI-1, MI-2 and MI-3),* and if there is any deficit in the data, he should correct it by asking the captain. The catch data are also to be checked with export data appearing on the invoice when it becomes available.
- **Checking and collection of forms**: The Inspector is to visit companies every month to see a recording of the fishing trip survey form and check completeness of the coverage of catch reports by comparing with the fishing trips recorded. At the end of the survey year, completed forms are to be collected for thorough checking of the catch reports for the whole year**.**

Marine Artisanal Fisheries

The purpose of the catch assessment survey of the marine artisanal fisheries is to collect sample catch data and producer price data necessary for estimating total catches, their values and corresponding Fishing effort by former districts, by months, by types of gear and by species.

Frame Survey: A frame survey of the marine artisanal fisheries is being conducted preferably once every year. Data on the number of fishing units will be used for estimating the total catch.

Sample landing centers: Sample landing centers are selected from larger centers for each type of gear as follows:

- **Gill net:** Chattogram, Cox's Bazar, Khulna.
- **Small size:** Sandwip Island, Hatia Island, Kumira & Cox's Bazar.
- **Long line:** Jew fish long line: Three landing sites selected from Jew fish processing plants in (Seasonal) Cox's Bazar.
- **Seinenet, Cast net and miscellaneous:** The sea coast is divided into six sections as follows:

  (i) Cox's Bazar,(ii) South of Chattogram, (iii) North of Chattogram, (iv) Sandwip Island (v) Hatia Island in each section.

Sample days

i) Gill net

In each landing center, four sample days are to be selected in a month with an interval of 8 days. (For example: 3rd, 11th, 19th and 27th). The sample days, thus selected are to be the same every month.

ii) Other types of gear

In each landing center, two sample days are to be selected in a month with an internal of 15 days. (For example: 7th and 22nd). The sample days, thus selected are to be the same every month.

Sample landing

When the concern Officer visits a sample landing center of a certain type of gear on a sample day, first he is to make a contact with a well-informed fisherman and ask the expected number of landings (boat arrival for landing) of that particular type of gear during the sample day. This number is to be recorded in the column "No. of all landings" on the Survey Form MA - 1.

Maximum five sample landings are to be selected from all the expected landing during the sample day. The expected number of landings recorded in the column "No. of all landings" is to be corrected to the actual number of landings at the end of the sample day.

Observation of sample landings

Since the purpose of observation of sample landings is to record sample catch data of one trip of fishing, if any sample landing consists of catches by more than one fishing unit or only a part of catch by one fishing unit the concern officer has to ask the fisherman catch by only one fishing unit and record it. If it is impossible the sample landing is to be changed to the next landing. The Concerned officer is to interview to the head fisherman on the fishing trip, observe the landing of fish, and record catch data on Survey Form MA-1.

The concerned Officer observes landings of the sample fishing units and interview to the head fisherman for asking for his fishing operation and records such data on Form-MA-1 for each type of fishing gear used. Accuracy of eye-estimation of the quantity of landings is to be improved by actually weighting fish with a portable balance once in a while.

Estimation of monthly total catches

Monthly total catches by types of fishing gear used are to be estimated by Districts as follows:

Estimated monthly total catch = (Average catch per fishing unit per month obtained by the catch assessment survey) × (Total number of fishing units by former District obtained by the Frame Survey)

The average catch per fishing unit per month is to be calculated as follows:

Average catch per fishing unit per month = (Average catch per trip obtained as an average of observed sample catch data×Average number of trips per fishing unit per month obtained as an average of sample data on the number of trips per month)

CHAPTER 3
MAJOR FINDINGS

Bangladesh, blessed with vast potential water resources, is one of the world's leading fish producing countries with a total production of 45.03 lakh MT in 2019-20, where as inland open water (capture) contributes 27.72% (12.48 lakh MT) and inland closed water (culture) contributes 57.38% (25.84 lakh MT) to total fish production. So, 85.10% of total fish production comes from inland fisheries. The growth rates of inland capture and inland culture fisheries are 1.03 and 3.83% respectively. On the other hand, Marine fisheries production is 6.71 lakh MT and its contribution to total fish production is 14.90% with growth rate 1.70%. Overall growth rate of total fish production in 2019-20 is 2.72%. The overall growth performance from inland aquaculture shows a moderate increased trend. The fish production has increased about six times (7.54 lakh MT in 1983-84 to 45.03 lakh MT in 2019-20) during the last 37 years (Fig. 3.1).

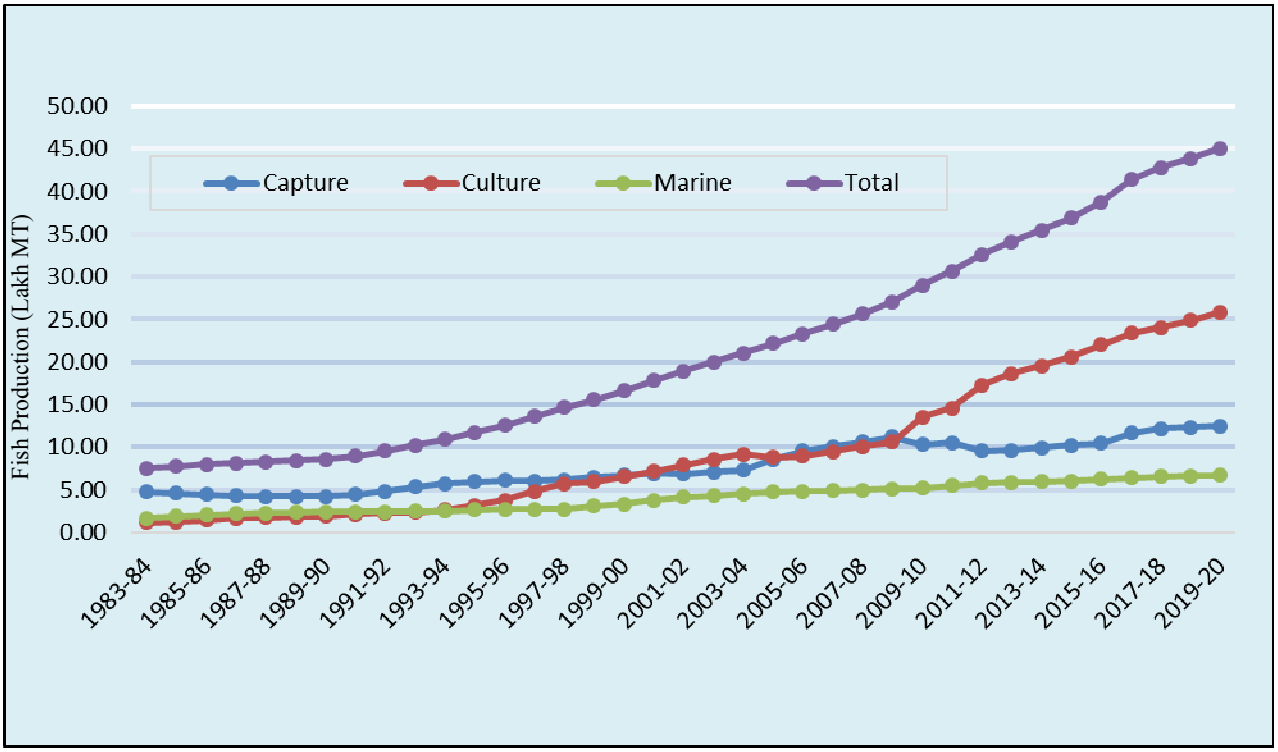

Fig. 3.1: Last 37 years sector-wise fish production trend (lakh MT)

The fish production diversity of fisheries resources of inland open water fisheries of river, beel, floodplain and Kaptai lake in 2019-20 are 3.32 lakh MT, 1.03 lakh MT, 7.80 lakh MT and 0.13 lakh MT, respectively and corresponding growth rates are 1.94, 3.22, -0.22 and 20.02 percent respectively. The respective contributions to total production are 7.37, 2.29, 17.32 and 0.28 percent. Fish production has been increased compare to previous year. The production of Sundarbans fishery has increased, its production is 0.21 lakh MT and contributes 0.47% to total production and consequently its growth rate is 14.91% (Fig. 3.2).

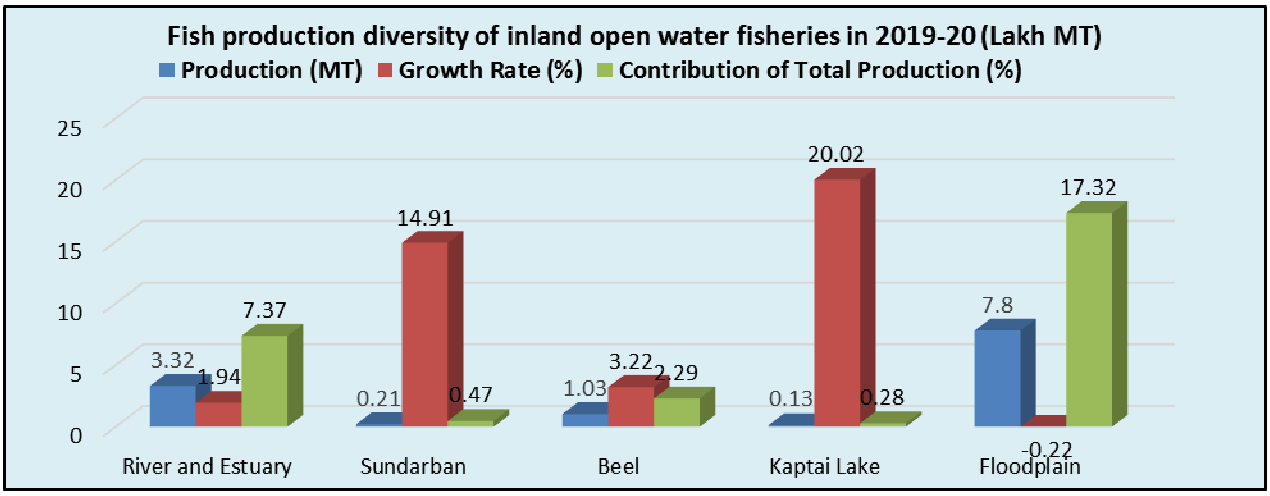

Fig. 3.2: Fish production diversity of inland open water fisheries in 2019-20 (MT)

The overall growth performance from inland capture shows a slightly moderate increased trend. The capturefish production has increased 2.65 times more (4.72 lakh MT in 1983-84 to 12.48 lakh MT in 2019-20) in which floodplain fish production has increased 3.86 times more (2.01 lakh MT in 1983-84 to 7.80 lakh MT in 2019-20) over the last three decades. In this period, the fish productions of inland capture fisheries of river, beel, floodplain and Kaptai lake are shown in following graph (Fig. 3.3).

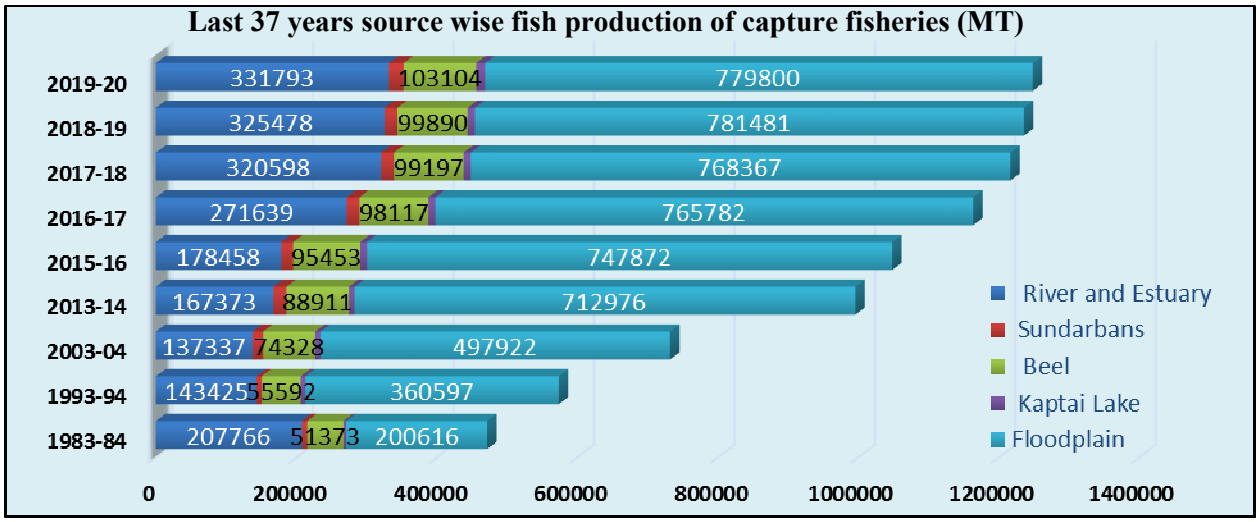

Fig. 3.3: Last 37 years source wise fish production of capture fisheries (MT)

The fish production (aquaculture) of pond, seasonal cultured waterbody, baor, shrimp farm, pen culture and cage culture (inland closed waterbody-culture) in 2019-20 are 20.46 lakh MT, 2.26 lakh MT, 0.11 lakh MT, 2.70 lakh MT, 0.13 lakh MT, 0.05 lakh MT, respectively. Subsequently, the corresponding contributions to total production are 45.44, 5.02, 0.24, 6.00, 0.30 and 0.10 percent, respectively. The corresponding growth rates are 3.63, 3.96, 6.05, 4.68, 8.61 and 20.73 percent, respectively. Crab production is 0.13 lakh MT which is included from 2015-16 in the yearbook (Fig, 3.4)

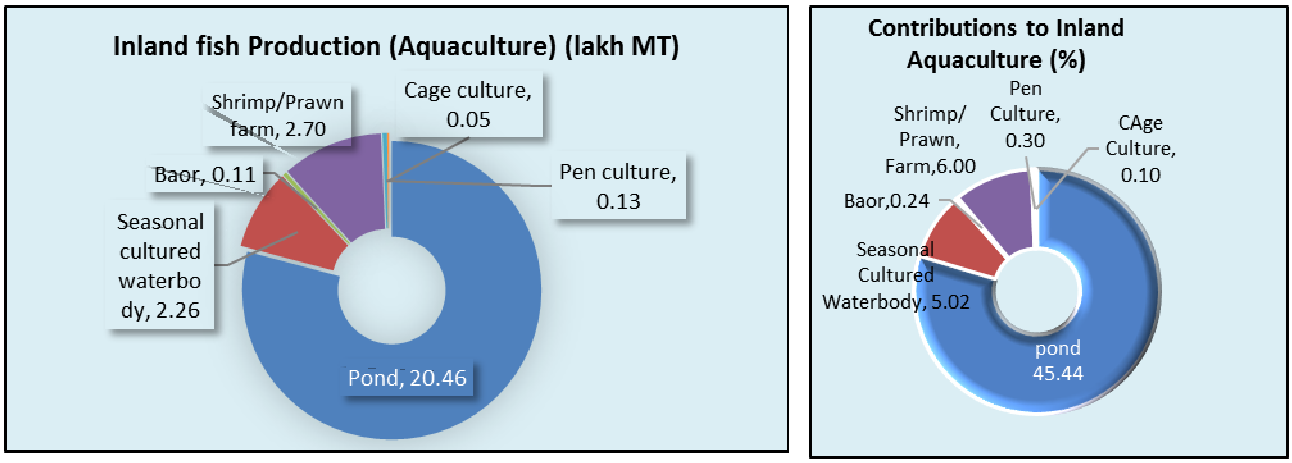

Fig. 3.4: Fish production diversity of inland cultured waterbody in 2019-20

Aquaculture has been the most rapidly growing agro-food sector in Bangladesh over the last three decades. The overall growth performance from inland aquaculture shows a moderate, reasonable and admirable increasing trend. Production of farmed finfish and shellfish has been growing at a rate of 9.34% per annum over this period.The aquaculture production became more than doubled (10.06 lakh MT in 2007-08 to 25.84 lakh MT in 2019-20) during the last twelve years. During the last three decades, the fish productions of inland culture fisheries of pond, seasonal cultured waterbody, baor, shrimp farm, cage culture and pen culture are showm in following graph (Fig. 3.5).

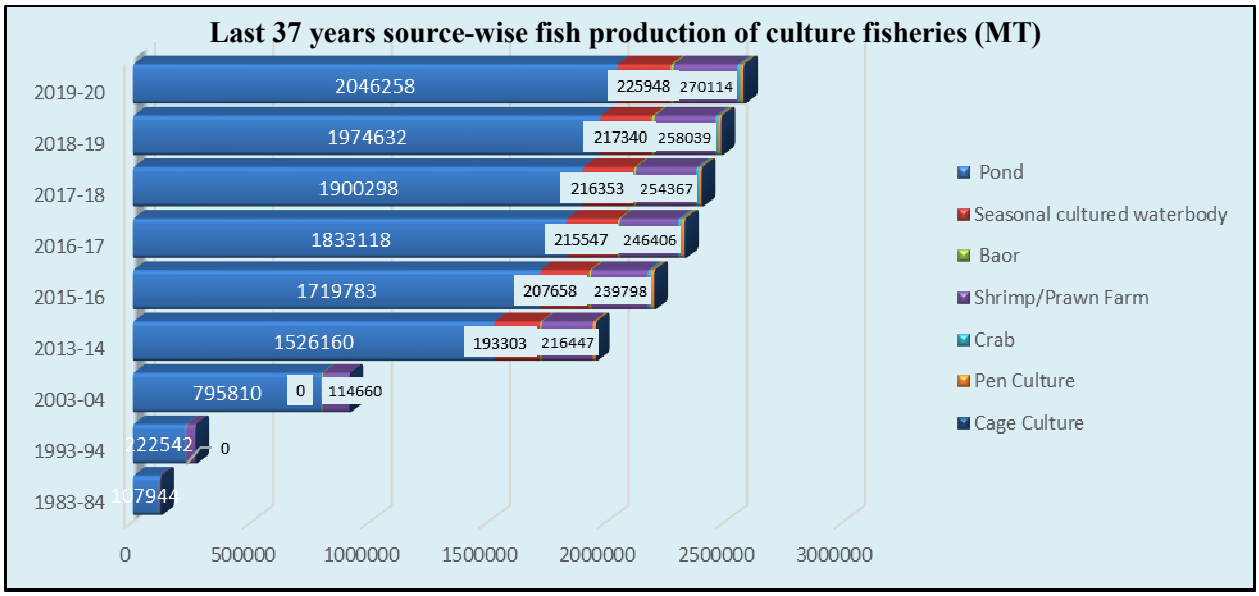

Fig. 3.5: Last 37 years source-wise fish production of culture fisheries (MT)

In Bangladesh, aquaculture production systems are mainly extensive and improved extensive and improved extensive, with some semi-intensive and in very few cases intensive systems. The present unit area aquaculture productions (MT/ha) are 5.06, 1.49, 1.93 and 1.05 for pond, seasonal waterbody, baor (oxbow lake) and shrimp gher, respectively.There are two types of aquaculture practices are going on in Bangladesh - freshwater andcoastal aquaculture. Freshwater aquaculture comprises mainly pond farming of carps (indigenous and exotic), pangas, tilapia, climbing perch and a number of other domesticated fish. Coastal aquaculture is comprised mainly of shrimp and prawn farming in ghers (coastal pond or enclosures). Species wise fish production of pond aquaculture in FY 2019-20 are shown in the following graph (Fig. 3.6).

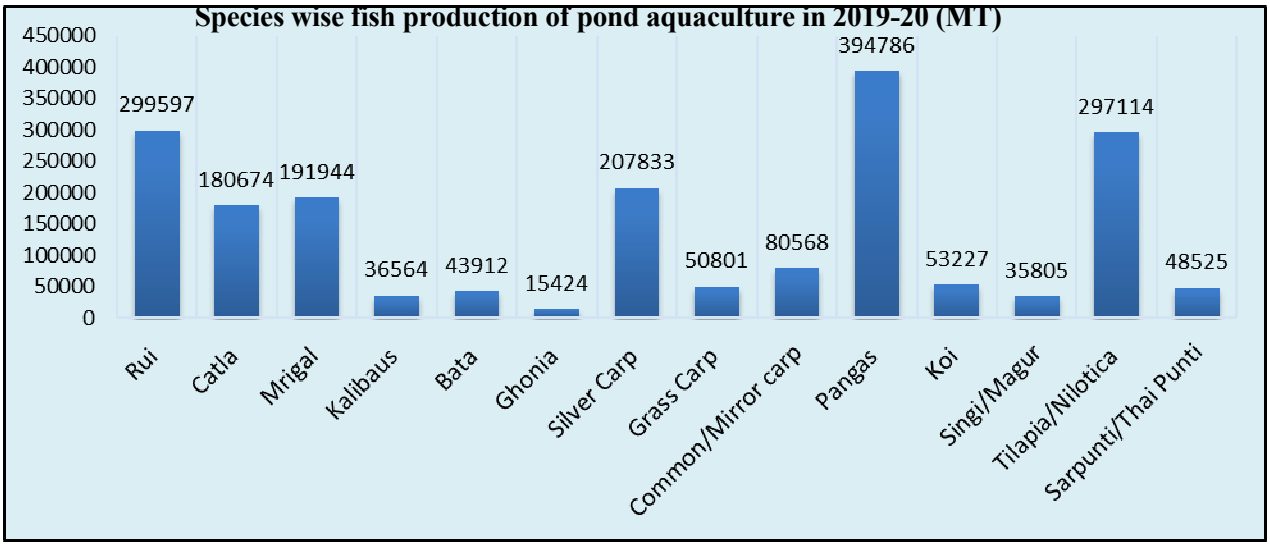

Fig. 3.6: Species wise fish production of pond aquaculture in 2019-20 (MT)

In Bangladesh, on the basis of fish production of pond aquaculture, the top 7 fish species are Pangas, Rui, Tilapia, Silver carp, Mrigal, Catla and Koi. During last 3 years of fish production of pond aquaculture of top 7 fish species is shown in the following graph (Fig. 3.7).

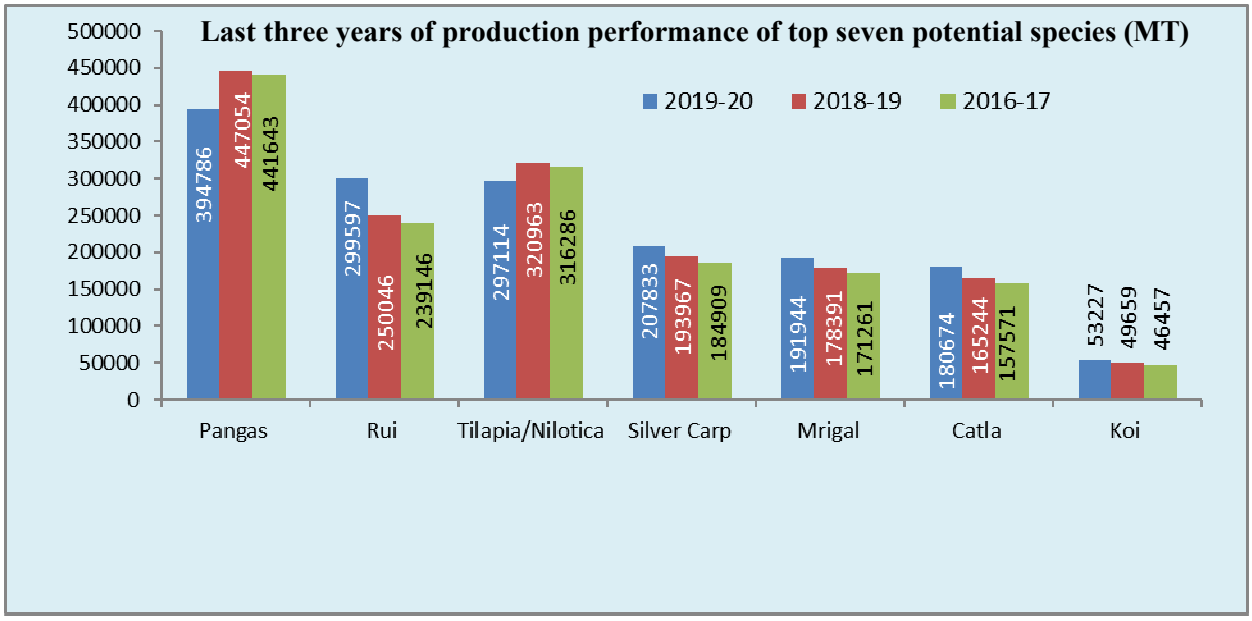

Fig. 3.7: Last three years of production performance of top seven potential species (MT)

In 1983-84, the contribution of inland capture, culture and marine fisheries to total fish production were 62.59%, 15.53% and 21.88%, respectively; where as in 2019-20, inland capture fisheries contributes only 27.72%, inland culture fisheries contributes 57.38% marine fisheries contributes 14.90% to total fish production. Total marine fisheries production is 6.71 lakh MT (Industrial is 1.15 lakh and Artisanal is 5.56 lakh MT) and its growth rate is 1.70%. Aquaculture has been progressing with reasonable success due to the expansion of various developed technologies. Now a day's pen and cage culture are getting popular and are the most widely practised culture system in Bangladesh. During last 37 years, aquaculture contribution to total fish production has been incresed remarkablely from 1983-84 with a value of 15.53% to 2019-20 with a value of 57.38%. Aquaculture production including the pond, ditches, shrimp, baor etc. showed an increasing trend from 2007-08 with a value of 39.23% to 2019-20 with a value of 57.38% which is shown in following graph (Fig. 3.8).

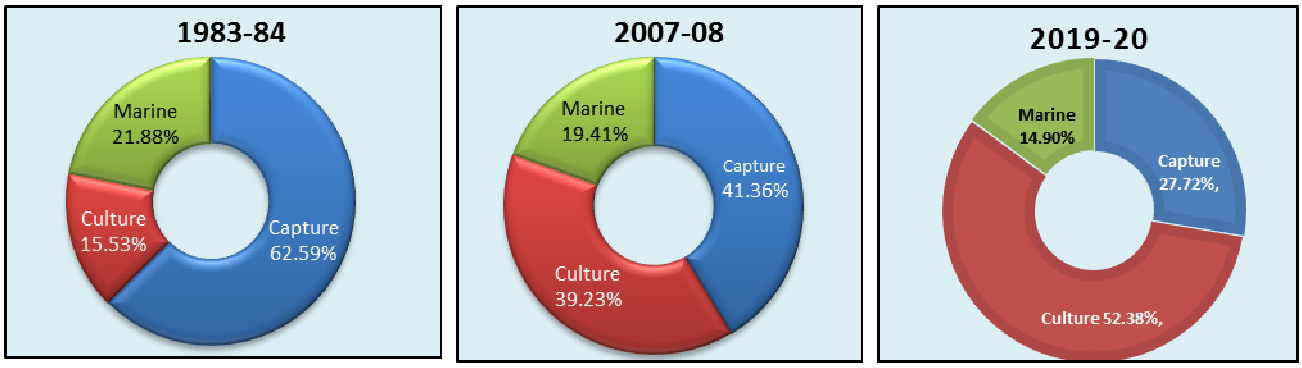

Fig. 3.8: Contribution of inland capture, culture and marine fisheries to total fish production

Hilsa (Ilish) is the national fish of Bangladesh. Hilsa (*Tenualosa ilisha*) is the largest single-species fishery in Bangladesh which makes the highest contribution to the country's total fish production. About 12.22% of the country's total fish production comes from hilsa. As a result, hilsa production increased from 1.99 lakh MT in 2003-04 to 5.50 lakh MT in 2019-20. The growth rate of hilsa production is 3.31%. It should be mentioned that Hilsa has been declared as Geographical Indicator (GI) product of Bangladesh.

Total annual hilsa production showed a sharp decline in 2002-03, but after 2005, due to the implementation of HFMAP, hilsa fishery production increased at the rate of 3.5% per year till 2014-15. As a synergistic impact of the general management activities of the government and PES- the environmental management approach, the annual incremental total hilsa production increased from 3.5% to 9.0% after 2015, resulting annual total hilsa production of 5.50 lakh MT in 2019-20. Hilsa production in Bangladesh has almost doubled over the 12 years, by taking the government's efforts, including its ban on catching brood fish and fries, implementation of jatka conservation program, management of fish sanctuary, and implementation of hilsa spawning protection activities.About 12.22% of the country's total fish production is generated by this fishery. The hilsa production trends are increased gradually year after year, which are shown in the following graph (Fig. 3.9).

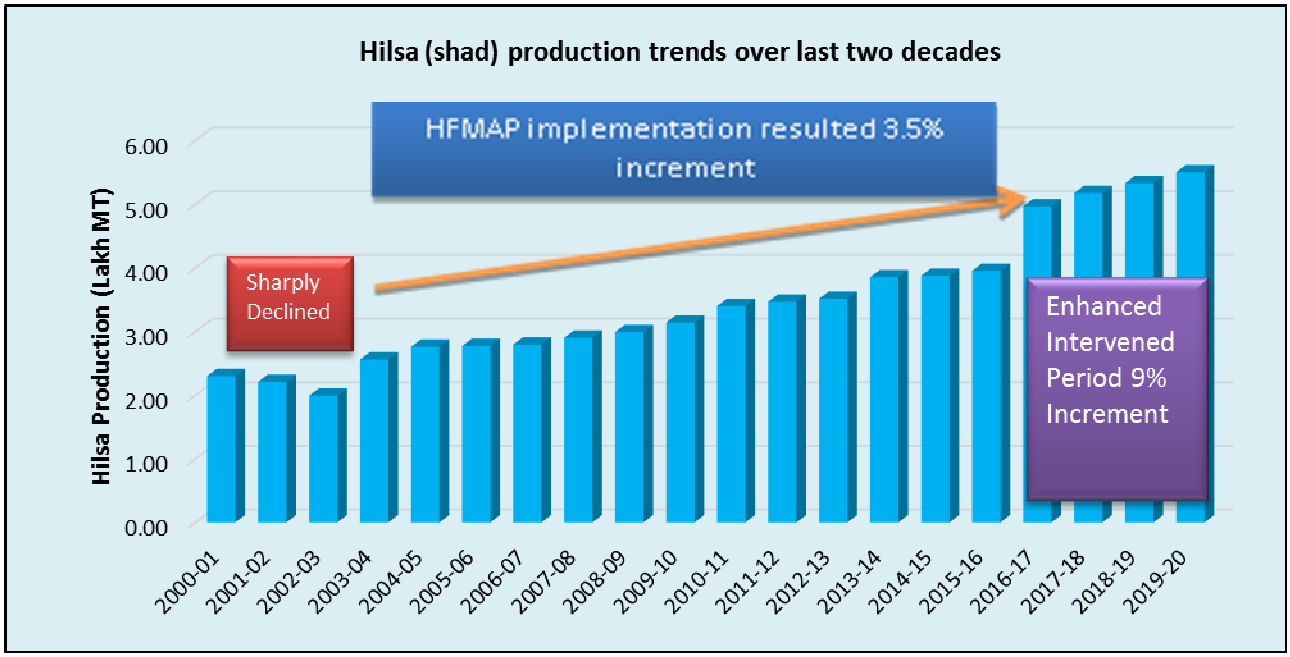

Fig. 3.9: Hilsa (shad) production trends over last two decades

Shrimp is one of the major export items in Bangladesh. Total shrimp and prawn production including capture has been increased from 1.60 lakh MT in 2002-03 to 2.41 lakh MT in 2019-20 and its growth rate is 0.59%. Coastal aquaculture, both shrimp and prawn and finfish farming are expanding, and total shrimp and prawn production have been increased over the last 18 years.

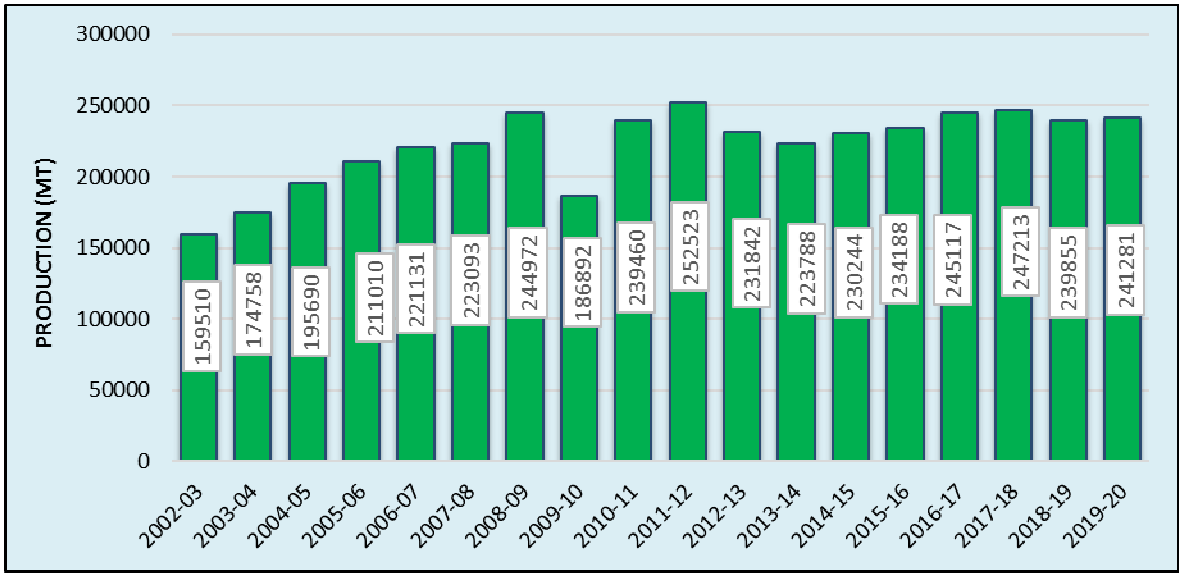

Fig. 3.10: Shrimp production trends during last 18 years (MT)

Fish and fishery products are one of the major export commodities of Bangladesh. Mainly galda, bagda, harina and other species of shrimp and different marine fishes like sea bass, datina, pomfret, cuttle fish and crab and chucia are exported from Bangladesh. Besides these, dry fish, shark, finfish scale and shrimp shell are also exported. Bangladeshi fish and fishery products are exported to more than 50 countries including European Union (EU), USA, Japan, Russia, China etc. EU countries are the major importers of Bangladeshi fish and fishery products. In the fiscal year 2019-20, Bangladesh earned 3985.15 crore taka by exporting 70945.39 MT of fish and fishery products. During last two decades, the export trends and corresponding foreign earnings (in crore) are shown in the following graph (Fig. 3.11).

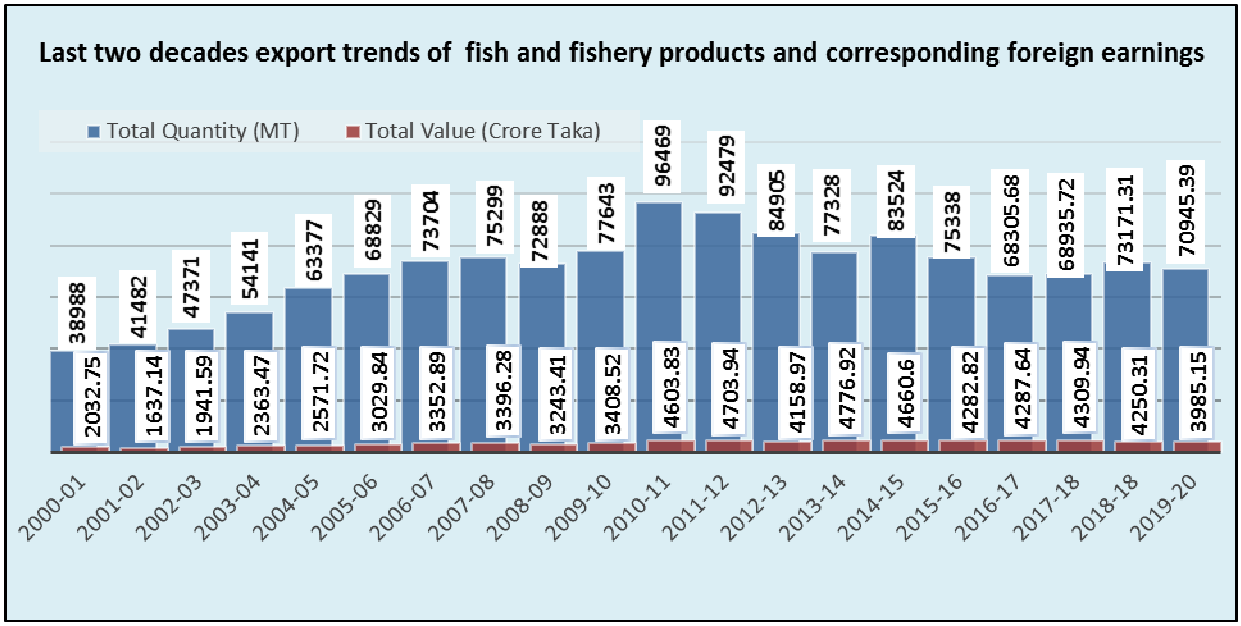

Fig. 3.11: Last two decades export trends of fish and fishery products and corresponding foreign earnings

This yearbook of fisheries statistics is published with the objective of providing necessary, defined and precise fisheries production information facilitating resource-based fisheries planning and development. The major findings are presented in the following tables.

Table 3.1. Sector-wise Annual Fish Production of Inland and Marine Fisheries in 2019-20

Sector of Fisheries	Water Area (Hectare)	Production (Metric Ton)	% of Production	Productivity
A. Inland Fisheries				
(i) Inland Open Water (Capture)				
1. River and Estuary	853863	331793	*7.37*	389 kg/ha
2. Sundarbans	177700	21007	*0.47*	118 kg/ha
3. Beel	114161	103104	*2.29*	903 kg/ha
4. Kaptai Lake	68800	12696	*0.28*	185 kg/ha
5. Floodplain	2651567	779801	*17.32*	294 kg/ha
Capture Total	***3866091***	***1248401***	***27.72***	
(ii) Inland Closed Water (Culture)				
6. Pond	404497	2046258	*45.44*	5059 kg/ha
7. Seasonal cultured waterbody	151942	225948	*5.02*	1487 kg/ha
8. Baor	5671	10969	*0.24*	1934 kg/ha
9. Shrimp/Prawn Farm	257888	270114	*6.00*	1047 kg/ha
- Crab**	9535	12562	*0.28*	1317 kg/ha
10. Pen Culture	7263	13425	*0.30*	1848 kg/ha
11. Cage Culture***	*1.79 lakh cu.m*	4590	*0.10*	26 kg/cum
Culture Total	***836796***	**2583866**	***57.38***	
Inland Fisheries Total	**4702887**	**3832267**	***85.10***	
B. Marine Fisheries				
12. Industrial (Trawling)		115354	*2.56*	
13. Artisanal		555750	*12.34*	
Marine Fisheries Total		***671104***	***14.90***	
COUNTRY TOTAL		**4503371**	*100*	

Note:

1. ***Catch of River, Beel and Baor is estimated by catch assessment survey on the basis of Frame Survey and water area from SPARRSO (Space Research and Remote Sensing Organization) Report, 1983.***
2. ***Catch data of Sundarbans are supplied by Bangladesh Forest Department and water area of Sundarbans is estimated on the basis of Integrated Resource Development of Sundarbans Reserved Forest, 1994.***
3. ***Catch data of Kaptai Lake are supplied by Bangladesh Fisheries Development Corporation (BFDC).***
4. ***Seasonal cultured water body includes Paddy field, Floodplain, Boropit etc. which are under in fish culture.***
5. ***Catch data of Marine Fisheries are supplied by Marine Wing, Department of Fisheries.***

* ***Cuchia Production data is incorpated from FY 2019-20.***

** ***Crab production has been included since FY 2015-16.***

*** ***Volume of cage is 1,79223 cubic meter assuming one-meter average depth of the cages covering 17.92 ha***

water area. This area is already included with River and Estuary area.

Table 3.2. Species/Group-wise Annual Fish Production of Inland and Marine Fisheries in 2019-20

[Unit: Metric Ton]

Sl. No.	Species/Group	Inland Fisheries	Marine Fisheries	Total	%
1	Major Carp	962049	0	962049	*21.36*
2	Other Carp	125565	0	125565	*2.79*
3	Exotic Carp	503224	0	503224	*11.17*
4	Pangas (Cat Fish)	405059	0	405059	*8.99*
5	Other Cat Fish	69389	0	69389	*1.54*
6	Snake Head	74368	0	74368	*1.65*
7	Live Fish	160068	0	160068	*3.55*
8	Tilapia	371263	0	371263	*8.24*
9	Other Inland fish	592404	0	592404	*13.15*
10	Hilsa/Illish *(Tenualosa ilisha)*	245862	304566	550428	*12.22*
11	Shrimp/Prawn	198465	42816	241281	*5.36*
12	Crab (*Scylla Serrata* & *Scylla Olivacea*)	12562	0	12562	*0.28*
13	Sarpunti (*Puntius sarana*)	98565	0	98565	*2.19*
14	Cuchia	13424	0	13424	*0.30*
15	Sardine *(Sardinella fimbriata)*	0	16814	16814	*0.37*
16	Bombay Duck (*Harpondon nehereus)*	0	70749	70749	*1.57*
17	Indian Salmon (*Polydactylus indicus)*	0	177	177	*0.00*
18	Pomfret (Rup/ Hail/ Foli Chanda*)*	0	10023	10023	*0.22*
19	Jew Fish (Poa, Lambu, Kaladatina etc.)	0	41943	41943	*0.93*
20	Sea Cat Fish (*Tachysurus spp.)*	0	13610	13610	*0.30*
21	Shark/ Skate / Ray	0	3373	3373	*0.07*
22	Other Marine Fish	0	167033	167033	*3.71*
TOTAL	**Production (Metric Ton)**	**3832267**	**671104**	**4503371**	***100***
	%	**85.10**	**14.90**	**100**	

Note:

1. ***Major Carp - Rui, Catla, Mrigal.***
2. ***Other Carp - Kalibaus, Bata, Ghania.***
3. ***Exotic Carp - Silver Carp, Grass Carp, Common Carp, Mirror Carp, Big Head Carp, Black Carp.***
4. ***Other Cat Fish - Boal, Air, Silon, Rita .***
5. ***Snake Head - Shol, Gazar, Taki.***
6. ***Live Fish - Koi, Shingi, Magur, Cuchia.***
7. ***Prawn - Galda and Other Inland Chingri.***
8. ***Shrimp - Bagda and Other Coastal/ Marine Chingri.***

- ***Other Fish (Inland and Marine) - Includes all other fishes except those mentioned above.***
- ***Crab production date has been included from 2015-16.***

- *Cuchia* ***production is incorporated separately from 2019-20.***

Table 3.3. Species-wise Annual Fish Production of Inland Waterbodies in 2019-20

[Unit: Metric Ton]

Sl. No.	Species	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal cultured water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Total	%
1	Rui	3145	0	13213	13	43765	299597	52921	1575	30405	1849	0	446483	*11.65*
2	Catla	1971	0	8512	22	18792	180674	23607	919	22712	1288	0	258497	*6.75*
3	Mrigal	1395	0	9258	7	23677	191944	25024	636	3949	1179	0	257069	*6.71*
4	Kalibaus	617	0	1790	14	2871	36564	406	45	0	146	0	42453	*1.11*
5	Bata	1615	0	1594	47	1181	43912	10231	248	2736	319	0	61883	*1.61*
6	Ghania	33	0	1070	0	1812	15424	2493	19	201	177	0	21229	*0.55*
7	Silver carp	0	0	4530	.11	2510	207833	36311	1838	15270	1003	0	269295	*7.03*
8	Grass carp	0	0	1994	7	6696	50801	11742	611	664	327	0	72842	*1.90*
9	Mirror/Common carp	0	0	2508	0	20198	80568	23073	477	624	292	0	127740	*3.33*
10	Other Exotic carp	0	0	800	0.03	0	32282	0	52	0	212	0	33346	*0.87*
11	Pangas	910	0	180	0	8838	394786	0	0	0	345	0	405059	*10.57*
12	Boal/Air	2905	0	4594	215	60682	670	120	152	0	51	0	69389	*1.81*
13	Shol/Gazar/Taki	803	0	3502	32	67015	2475	238	256	0	47	0	74368	*1.94*
14	Koi	99	0	2616	0.01	9137	53227	1386	14	0	18	0	66497	*1.74*
15	Shingi/Magur	91	0	1956	2	55648	35805	47	13	0	9	0	93571	*2.44*
16	Tilapia/ Nilotica	0	0	1496	21	0	297114	22931	422	41428	3261	4590	371263	*9.69*
17	Sarpunti/Thai punti	200	0	4203	4	19160	48525	8485	196	16352	1440	0	98565	*2.57*
18	Other Inland Fish	56578	19759	32315	12163	386327	68284	4827	3029	7761	1361	0	592404	*15.46*
19	Hilsa	244972	890	0	0	0	0	0	0	0	0	0	245862	*6.42*
20	Big Shrimp/ Prawn	3992	105	64	0	1870	2518	709	16	123308	0	0	132582	*3.46*
21	Small Shrimp/Prawn	9443	253	4138	149	43266	2699	1114	440	4293	88	0	65883	*1.72*
22.	Crab	0	0	0	0	0	0	0	0	12562	0	0	12562	*0.33*
23.	Cuchia	3024	0	2771	0	6356	556	283	11	411	13	0	13425	*0.35*
TOTAL		**331793**	**21007**	**103104**	**12696**	**779801**	**2046258**	**225948**	**10969**	**282676**	**13425**	**4590**	**3832267**	**100**
%		*8.66*	*0.55*	*2.69*	*0.33*	*20.35*	*53.40*	*5.90*	*0.29*	*7.38*	*0.35*	*0.12*	*100*	

Note:

1. ***Other Exotic Carp : Big Head Carp, Black Carp etc.***
2. ***Other Inland Fish : Punti, Chapila, Tengra, Papda, Baim, Mola etc.***
3. ***Big Shrimp/Prawn: Galda, Bagda, Harina. Chaka.***
4. ***Small Shrimp/Prawn: Other small Chingri.***

Table 3.4. District-wise Annual Fish Production of Inland Water bodies in 2019-20

(Unit: Metric Ton)

District	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal cultured water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	**Total**
Dhaka	1148	0	824	0	6193	8649	3469	0	0	1005	38	**21326**
Faridpur	2080	0	588	0	9087	19410	6241	812	72.8	1171	2	**39464**
Gazipur	541	0	1767	0	16231	26358	8447	0	0	901	0	**54245**
Gopalganj	705	0	861	0	7689	15846	3787	1047	2003	3600	16	**35554**
Kishoreganj	2450	0	6950	0	42671	25869	1075	0	2.08	939	17	**79973**
Madaripur	1470	0	313	0	8130	12362	193	1253	67	1293	242	**25323**
Manikganj	2830	0	679	0	10515	11816	3497	0	7.8	846	0	**30191**
Munshiganj	3311	0	282	0	11577	9670	4621	0	1	178	0	**29640**
Narayanganj	1828	0	163	0	1500	9822	3584	0	0	992	0	**17889**
Narsingdi	2670	0	1279	0	12479	22536	920	0	1	93	557	**40535**
Rajbari	2930	0	297	0	6152	14971	2668	29	0	0	0	**27047**
Shariatpur	5583	0	46	0	5325	13256	1021	0	55	38	8	**25332**
Tangail	1322	0	2349	0	11095	38993	2629	0	0	7	0	**56395**
Dhaka Division	**28868**	**0**	**16398**	**0**	**148644**	**229558**	**42152**	**3141**	2209.51	**11063**	**880**	**482914**
Jamalpur	2935	0	3225	0	9227	17245	1537	0	0	723	16	**34908**
Mymensingh	1295	0	6459	0	10842	339859	2028	0	4	19	17	**360523**
Netrakona	1485	0	6786	0	36700	38909	5434	0	0	102	0	**89416**
Sherpur	966	0	2533	0	2333	22620	1948	0	0	0	0	**30400**
Mymensingh Division	**6681**	**0**	**19003**	**0**	**59102**	**418633**	**10947**	**0**	4	**844**	**33**	**515247**
Bagerhat	5318	19529	32	0	5093	17603	1779	10	72237	0	0	**121601**
Chuadanga	352	0	1094	0	1302	11052	1588	1603	0	0	8	**16999**
Jashore	970	0	1718	0	34498	131541	24251	3598	30424	0	3	**227003**
Jhenaidah	353	0	1055	0	6032	26452	3259	1760	19	0	0	**38930**
Khulna	3666	762	228	**0**	19754	16040	1022	0	68863	0	0	**110335**
Kushtia	1246	0	564	0	3717	22339	4187	195	0	13	64	**32325**
Magura	1120	0	153	0	2762	10706	112	211	52	0	0	**15116**
Meherpur	286	0	384	0	854	6863	218	250	0	0	27	**8882**
Narail	957	0	546	0	3051	4766	578	0	4381	0	0	**14279**
Satkhira	1380	716	33	**0**	12674	39599	1761	201	74249	0	0	**130613**
Khulna Division	**15648**	**21007**	**5807**	**0**	**89737**	**286961**	**38755**	**7828**	**250225**	**13**	**102**	**716083**
Barguna	6219	0	0	0	3538	7538	611	0	591	17	84	**18598**
Barishal	40999	0	35	0	8563	37732	8084	0	4457	0	45	**99915**
Bhola	88344	0	0	0	5091	36248	435	0	166	0	164	**130448**
Jhalokati	2029	0	15	0	4384	4379	554	0	76	109	6	**11552**
Patuakhali	30833	0	0	**0**	10231	23932	218	0	3254	5	16	**68489**
Pirojpur	3552	0	10	0	3891	8592	1025	0	2569	0	26	**19665**
Barishal Division	**171976**	**0**	**60**	**0**	**35698**	**118421**	**10927**	**0**	**11113**	**131**	**341**	**348667**

Cont'd.....

(Unit: Metric Ton)

District	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal cultured water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	**Total**
Dinajpur	293	0	554	0	5910	48170	2003	0	17	0	18	**56965**
Gaibandha	2129	0	567	0	5788	26335	822	0	13	37	0	**35691**
Kurigram	4003	0	1666	0	10996	20043	4683	0	6	152	149	**41698**
Lalmonirhat	205	0	569	0	1662	13359	3678	0	3	24	7	**19507**
Nilphamari	201	0	501	0	3263	19379	740	0	5	25	8	**24122**
Panchagarh	123	0	57	0	2642	12954	455	0	4	6	0	**16241**
Rangpur	163	0	1865	0	8356	30163	3620	0	15	32	0	**44214**
Thakurgaon	117	0	209	0	3728	24558	350	0	6	9	13	**28990**
Rangur Division	**7234**	0	**5988**	0	**42345**	**194961**	**16351**	0	**69**	**285**	**195**	**267428**
Bogura	928	0	2597	0	4642	75386	703	0	5	49	9	**84319**
Chapai Nawabganj	1917	0	3027	0	1455	12204	221	0	1	155	27	**19007**
Joypurhat	199	0	271	0	157	22910	589	0	24	0	4	**24154**
Naogaon	1304	0	5211	0	14891	58512	664	0	2	0	56	**80640**
Natore	871	0	1056	0	15642	47250	431	0	2	0	26	**65278**
Pabna	4248	0	2664	0	10701	46207	3056	0	0	4	40	**66920**
Rajshahi	2481	0	4129	0	6012	62703	6362	0	10	0	10	**81707**
Sirajganj	4541	0	779	0	32425	25446	1252	0	2	19	1443	**65907**
Rajshahi Division	16489	0	**19734**	0	**85925**	**350618**	**13278**	0	**46**	**227**	**1615**	**487932**
Bandarban	150	0	0	0	167	1346	522	0	0	0	0	**2185**
Brahmanbaria	1955	0	491	0	20631	36451	2800	0	0	540	165	**63033**
Chandpur	35432	0	290	0	23329	37914	1912	0	192	174	999	**100242**
Chattogram	6862	0	53	0	680	65840	3446	0	1599	0	0	**78480**
Cumilla	1039	0	329	0	70534	122731	77308	0	148	76	46	**272211**
Cox's Bazar	2404	0	0	0	1285	4737	161	0	16549	0	0	**25136**
Feni	1352	0	0	0	6752	24309	272	0	69	1	35	**32790**
Khagrachhari	218	0	54	0	0	2721	447	0	0	0	0	**3440**
Lakshmipur	21984	0	0	0	10068	30918	867	0	74	0	69	**63980**
Noakhali	10050	0	0	0	26873	48527	1180	0	362	0	0	**86992**
Rangamati	221	0	0	12696	0	1015	555	0	0	46	65	**14598**
Chattogram Division	**81667**	0	**1217**	**12696**	**160319**	**376509**	**89470**	0	18993	**837**	**1379**	**743087**
Habiganj	1016	0	2613	0	28102	18116	206	0	15	0	0	**50068**
Moulvibazar	484	0	2911	0	23881	22229	781	0	0	0	2	**50288**
Sunamganj	866	0	24049	0	65294	10320	1515	0	0	16	0	**102060**
Sylhet	864	0	5324	0	40754	19932	1566	0	1	9	43	**68493**
Sylhet Division	**3230**	0	**34897**	0	**158031**	**70597**	**4068**	0	16	25	45	**270909**
TOTAL	**331793**	**21007**	**103104**	**12696**	**779801**	**2046258**	**225948**	**10969**	**282676**	**13425**	**4590**	**3832267**
%	8.66	0.55	2.69	0.33	20.35	53.40	5.90	0.29	7.38	0.35	0.12	100

Note: Shrimp Farm production included Crab production.

Table 3.5. District-wise Annual Fish Catch of All Rivers in 2019-20

[Unit : Metric Ton]

District	Principal River						Principal River Total (A)	Other River Total (B)	Grand Total (A+B)
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahmaputra			
Dhaka	0	0	689	0	0	0	689	459	1148
Faridpur	0	0	1498	0	0	0	1498	582	2080
Gazipur	0	0	0	0	0	0	0	541	541
Gopalganj	0	0	0	0	0	0	0	705	705
Kishoreganj	0	1021	0	0	0	0	1021	1429	2450
Madaripur	0	0	1184	0	0	0	1184	286	1470
Manikganj	0	0	1700	0	761	0	2461	369	2830
Munshiganj	0	1407	1478	0	0	0	2885	426	3311
Narayanganj	0	1351	0	0	0	0	1351	477	1828
Narsingdi	0	2126	0	0	0	0	2126	544	2670
Rajbari	0	0	1061	1215	0	0	2276	654	2930
Shariatpur	1745	0	3439	0	0	0	5184	399	5583
Tangail	0	0	0	0	1053	0	1053	269	1322
Dhaka Division	**1745**	**5905**	**11049**	**1215**	**1814**	**0**	**21728**	**7140**	**28868**
Jamalpur	0	0	0	0	640	2083	2723	212	2935
Mymensingh	0	0	0	0	0	0	0	1295	1295
Netrakona	0	0	0	0	0	0	0	1485	1485
Sherpur	0	0	0	0	0	0	0	966	966
Mymensingh Division	**0**	**0**	**0**	**0**	**640**	**2083**	**2723**	**3958**	**6681**
Bagerhat	0	0	0	0	0	0	0	5318	5318
Chuadanga	0	0	0	0	0	0	0	352	352
Jashore	0	0	0	0	0	0	0	970	970
Jhenaidah	0	0	0	0	0	0	0	353	353
Khulna	0	0	0	0	0	0	0	3666	3666
Kushtia	0	0	0	198	0	0	198	1048	1246
Magura	0	0	0	0	0	0	0	1120	1120
Meherpur	0	0	0	0	0	0	0	286	286
Narail	0	0	0	0	0	0	0	957	957
Satkhira	0	0	0	0	0	0	0	1380	1380
Khulna Division	**0**	**0**	**0**	**198**	**0**	**0**	**198**	**15450**	**15648**
Barguna	0	0	0	0	0	0	0	6219	6219
Barishal	36201	0	0	0	0	0	36201	4798	40999
Bhola	83918	0	0	0	0	0	83918	4426	88344
Jhalokati	0	0	0	0	0	0	0	2029	2029
Patuakhali	0	0	0	0	0	0	0	30833	30833
Pirojpur	0	0	0	0	0	0	0	3552	3552
Barishal Division	**120119**	**0**	**0**	**0**	**0**	**0**	**120119**	**51857**	**171976**

Cont'd.....

[Unit : Metric Ton]

District	Principal River						Principal River Total (A)	Other River Total (B)	Grand Total (A+B)
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra			
Dinajpur	0	0	0	0	0	0	0	293	293
Gaibandha	0	0	0	0	217	1377	1594	535	2129
Kurigram	0	0	0	0	0	3433	3433	570	4003
Lalmonirhat	0	0	0	0	0	0	0	205	205
Nilphamari	0	0	0	0	0	0	0	201	201
Panchagarh	0	0	0	0	0	0	0	123	123
Rangpur	0	0	0	0	0	0	0	163	163
Thakurgaon	0	0	0	0	0	0	0	117	117
Rangpur Division	**0**	**0**	**0**	**0**	**217**	**4810**	**5027**	**2207**	**7234**
Bogura	0	0	0	0	136	0	136	792	928
Chapai Nawabganj	0	0	0	1111	0	0	1111	806	1917
Joypurhat	0	0	0	0	0	0	0	199	199
Naogaon	0	0	0	0	0	0	0	1304	1304
Natore	0	0	0	504	0	0	504	367	871
Pabna	0	0	0	1839	1025	0	2864	1384	4248
Rajshahi	0	0	0	1543	0	0	1543	938	2481
Sirajganj	0	0	0	0	2556	0	2556	1985	4541
Rajshahi Division	**0**	**0**	**0**	**4997**	**3717**	**0**	**8714**	**7775**	**16489**
Bandarban	0	0	0	0	0	0	0	150	150
Brahmanbaria	0	1275	0	0	0	0	1275	680	1955
Chandpur	31914	0	0	0	0	0	31914	3518	35432
Chattogram	0	0	0	0	0	0	0	6862	6862
Cumilla	0	426	0	0	0	0	426	613	1039
Cox's Bazar	0	0	0	0	0	0	0	2404	2404
Feni	0	0	0	0	0	0	0	1352	1352
Khagrachhari	0	0	0	0	0	0	0	218	218
Lakshmipur	21701	0	0	0	0	0	21701	283	21984
Noakhali	9877	0	0	0	0	0	9877	173	10050
Rangamati	0	0	0	0	0	0	0	221	221
Chattogram Division	**63492**	**1701**	**0**	**0**	**0**	**0**	**65193**	**16474**	**81667**
Habiganj	0	190	0	0	0	0	190	826	1016
Moulvibazar	0	0	0	0	0	0	0	484	484
Sunamganj	0	0	0	0	0	0	0	866	866
Sylhet	0	0	0	0	0	0	0	864	864
Sylhet Division	**0**	**190**	**0**	**0**	**0**	**0**	**190**	**3040**	**3230**
TOTAL	**185356**	**7796**	**11049**	**6410**	**6388**	**6893**	**223892**	**107901**	**331793**
%	*55.86*	*2.35*	*3.33*	*1.93*	*1.93*	*2.08*	*67.48*	*32.52*	*100*

Annual Growth Rate :1.94% (Hilsa : 1.30% and Other species : 3.74%)

Table 3.6. Species-wise Annual Fish Catch of All Rivers in 2019-20

[Unit : Metric Ton]

Sl. No.	Species	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra	Other River	Total	%
1	Rui	167	266	251	222	189	197	1853	**3145**	*0.95*
2	Catla	120	145	163	147	125	159	1112	**1971**	*0.59*
3	Mrigal	90	123	135	64	108	139	736	**1395**	*0.42*
4	Kalibaus	0	29	61	43	36	90	358	**617**	*0.19*
5	Bata	1220	100	0	0	13	0	282	**1615**	*0.49*
6	Ghania	0	15	0	0	0	0	18	**33**	*0.01*
7	Pangas	376	65	77	189	0	0	203	**910**	*0.27*
8	Boal/Air	298	142	308	206	278	419	1254	**2905**	*0.88*
9	Shol/Gazar/Taki	0	0	0	0	0	0	803	**803**	*0.24*
10	Koi	0	0	0	0	0	0	99	**99**	*0.03*
11	Shingi/Magur	0	0	0	0	0	0	91	**91**	*0.03*
12	Sarpunti	0	0	181	0	0	0	19	**200**	*0.06*
13	Cuchia	0	0	0	0	0	0	3024	**3024**	*0.91*
14	Other Inland Fish	3451	5294	3637	4715	4529	4698	30254	**56578**	*17.05*
15	Hilsa/Ilish	178800	1111	5952	604	682	325	57498	**244972**	*73.83*
16	Galda	329	140	69	20	16	69	270	**913**	*0.28*
17	Bagda	0	0	0	0	0	0	33	**33**	*0.01*
18	Harina	0	0	0	0	0	0	3028	**3028**	*0.91*
19	Chaka	0	0	0	0	0	0	18	**18**	*0.01*
20	Other small shrimp/prawn	505	366	215	200	412	797	6948	**9443**	*2.85*
Total		**185356**	**7796**	**11049**	**6410**	**6388**	**6893**	**107901**	**331793**	*100*

- Total Production (Principal River) = 223892 MT Hilsa Production (Principal River) = 187474 MT.
- Total Production (Other River) = 107901 MT Hilsa Production (Other River) = 57498 MT.
- Annual Growth Rate: 1.94%. (Hilsa:1.30% and Other species : 3.78%

Table 3.7. Species-wise Annual Fish Catch of Principal River-Meghna in 2019-20

[Unit : Metric Ton]

Sl. No.	Species	Lower Meghna							Upper Meghna								Total
		Noakhali	Bhola	Barishal	Lakshmipur	Shariatpur	Chandpur	Sub-Total	Munshiganj	Narayanganj	Cumilla	Narsingdi	Brahmanbaria	Kishoreganj	Habiganj	Sub-Total	
1	Rui	15	41	43	16	21	31	**167**	20	0	36	15	87	108	0	**266**	**433**
2	Catla	15	20	31	11	20	23	**120**	16	0	18	9	56	46	0	**145**	**265**
3	Mrigal	9	21	15	19	5	21	**90**	10	0	15	3	40	55	0	**123**	**213**
4	Kalibaus	0	0	0	0	0	0	**0**	3	0	7	0	8	11	0	**29**	**29**
5	Bata	141	60	193	746	5	75	**1220**	17	0	13	0	25	45	0	**100**	**1320**
6	Ghania	0	0	0	0	0	0	**0**	0	0	3	0	12	0	0	**15**	**15**
7	Pangas	0	142	126	0	27	81	**376**	8	0	9	7	16	25	0	**65**	**441**
8	Boal/Air	0	141	56	0	19	82	**298**	11	0	35	7	64	25	0	**142**	**440**
9	Shol/Gazar/Taki	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
10	Koi	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
11	Shingi/Magur	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
12	Sarpunti	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
13	Cuchia	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
14	Other Inland Fish	188	916	1077	589	39	642	**3451**	846	1228	170	1857	671	369	153	**5294**	**8745**
15	Hilsa/Ilish	9440	82358	34289	20212	1591	30910	**178800**	401	107	0	206	232	165	0	**1111**	**179911**
16	Galda	28	91	146	64	0	0	**329**	14	0	27	7	23	69	0	**140**	**469**
17	Bagda	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
18	Harina	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
19	Chaka	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**	**0**
20	Other small shrimp/prawn	41	128	225	44	18	49	**505**	61	16	93	15	41	103	37	**366**	**871**
Total		**9877**	**83918**	**36201**	**21701**	**1745**	**31914**	**185356**	**1407**	**1351**	**426**	**2126**	**1275**	**1021**	**190**	**7796**	**193152**

Table 3.8. Species-wise Annual Fish Catch of Principal River- Padma in 2019-20

[Unit : Metric Ton]

Sl. No.	Species	Lower Padma								Upper Padma							Total
		Shariatpur	Madaripur	Munshiganj	Dhaka	Manikganj	Faridpur	Rajbari	Sub-Total	Rajbari	Kushtia	Pabna	Natore	Rajshahi	Chapai Nawabganj	Sub-Total	
1	Rui	63	36	20	33	32	36	31	**251**	38	14	58	27	41	44	**222**	**473**
2	Catla	36	18	18	33	23	19	16	**163**	22	7	35	15	33	35	**147**	**310**
3	Mrigal	38	15	11	30	15	18	8	**135**	12	4	8	6	16	18	**64**	**199**
4	Kalibaus	15	10	8	10	8	7	3	**61**	6	3	15	6	6	7	**43**	**104**
5	Bata	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
6	Ghania	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
7	Pangas	17	12	9	12	10	9	8	**77**	1	7	34	31	73	43	**189**	**266**
8	Boal/Air	39	52	84	36	36	49	12	**308**	16	10	52	17	51	60	**206**	**514**
9	Shol/Gazar/Taki	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
10	Koi	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
11	Shingi/Magur	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
12	Sarpunti	45	36	22	36	12	14	16	**181**	0	0	0	0	0	0	**0**	**181**
13	Cuchia	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
14	Other Inland Fish	255	784	561	316	374	941	406	**3637**	764	134	1518	373	1096	830	**4715**	**8352**
15	Hilsa/Ilish	2903	202	711	96	1150	364	526	**5952**	304	7	79	13	182	19	**604**	**6556**
16	Galda	6	7	11	10	9	13	13	**69**	5	2	3	0	0	10	**20**	**89**
17	Bagda	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
18	Harina	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
19	Chaka	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
20	Other small shrimp/prawn	22	12	23	77	31	28	22	**215**	47	10	37	16	45	45	**200**	**415**
Total		**3439**	**1184**	**1478**	**689**	**1700**	**1498**	**1061**	**11049**	**1215**	**198**	**1839**	**504**	**1543**	**1111**	**6410**	**17459**

Table 3.9. Species-wise Annual Fish Catch of Principal River-Jamuna and Brahmaputra in 2019-20

[Unit : Metric Ton]

Sl. No.	Species	Jamuna								Brahmaputra				Total	Grand Total
		Manikganj	Pabna	Tangail	Sirajganj	Bogura	Jamalpur	Gaibandha	Sub- Total	Jamalpur	Gaibandha	Kurigram	Sub- Total		
1	Rui	17	14	37	32	13	61	15	**189**	102	39	56	**197**	386	**1292**
2	Catla	9	8	23	39	6	34	6	**125**	76	38	45	**159**	284	**859**
3	Mrigal	8	7	23	38	5	21	6	**108**	73	29	37	**139**	247	**659**
4	Kalibaus	6	0	15	6	0	9	0	**36**	32	33	25	**90**	126	**259**
5	Bata	0	7	0	6	0	0	0	**13**	0	0	0	**0**	13	**1333**
6	Ghania	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**15**
7	Pangas	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**707**
8	Boal/Air	62	50	81	8	13	42	22	**278**	149	149	121	**419**	697	**1651**
9	Shol/Gazar/Taki	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
10	Koi	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
11	Shingi/Magur	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
12	Sarpunti	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**181**
13	Cuchia	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
14	Other Inland Fish	573	833	631	1979	58	350	105	**4529**	1270	791	2637	**4698**	9227	**26324**
15	Hilsa/Ilish	0	41	155	397	4	79	6	**682**	5	7	313	**325**	1007	**187474**
16	Galda	0	4	6	0	6	0	0	**16**	39	30	0	**69**	85	**643**
17	Bagda	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
18	Harina	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
19	Chaka	0	0	0	0	0	0	0	**0**	0	0	0	**0**	0	**0**
20	Other small shrimp/prawn	86	61	82	51	31	44	57	**412**	337	261	199	**797**	1209	**2495**
Total		**761**	**1025**	**1053**	**2556**	**136**	**640**	**217**	**6388**	**2083**	**1377**	**3433**	**6893**	**13281**	**223892**

Table 3.10. Species-wise Annual Fish Catch of Other Rivers in 2019-20

[Unit : Metric Ton]

Sl. No.	Species	Dhaka	Faridpur	Gazipur	Gopalganj	Jamalpur	Kishoreganj	Madaripur	Manikganj	Munshiganj	Mymensingh	Narayanganj	Narsingdi	Netrakona	Rajbari	Shariatpur	Sherpur	Tangail	Sub-total
1	Rui	42	23	15	43	19	59	10	16	11	36	0	12	29	25	19	82	11	**452**
2	Catla	37	15	14	23	10	24	6	12	6	15	0	7	10	10	12	78	7	**286**
3	Mrigal	21	9	11	25	9	12	0	5	4	11	0	4	10	6	10	46	5	**188**
4	Kalibaus	16	9	8	11	7	0	0	3	4	92	0	0	22	8	8	34	3	**225**
5	Bata	0	0	9	0	2	0	0	3	0	0	0	0	0	0	0	0	0	**14**
6	Ghania	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**
7	Pangas	0	7	0	6	4	0	0	0	21	0	0	0	0	11	0	0	5	**54**
8	Boal/Air	33	24	6	18	5	52	10	8	83	89	0	0	21	32	14	79	9	**483**
9	Shol/Gazar/Taki	29	0	10	39	4	11	0	5	0	10	0	0	9	5	6	58	0	**186**
10	Koi	6	0	0	21	3	0	0	5	0	0	0	0	0	0	0	16	0	**51**
11	Shingi/Magur	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	15	0	**20**
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
13	Cuchia	10	24	37	102	8	44	50	17	31	26	10	32	48	11	13	7	14	**484**
14	Other Inland Fish	127	413	309	279	127	1224	182	251	221	971	444	417	1311	324	286	236	186	**7308**
15	Hilsa/Ilish	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	**8**
16	Galda	10	9	0	9	2	0	0	6	13	6	0	12	0	14	6	40	7	**134**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
20	Other small shrimp/prawn	128	49	122	121	10	3	28	34	32	39	23	60	25	208	25	275	22	**1204**
Total		**459**	**582**	**541**	**705**	**212**	**1429**	**286**	**369**	**426**	**1295**	**477**	**544**	**1485**	**654**	**399**	**966**	**269**	**11098**

Cont'd….

[Unit : Metric Ton]

Sl. No.	Species	Bagerhat	Chuadanga	Jashore	Jhenaidah	Khulna	Kushtia	Magura	Meherpur	Narail	Satkhira	Barguna	Barishal	Bhola	Jhalokati	Patuakhali	Pirojpur	Sub-total
1	Rui	0	17	27	5	0	49	81	3	49	0	0	0	0	0	0	0	**231**
2	Catla	0	16	13	5	0	31	70	2	13	0	0	0	0	0	0	0	**150**
3	Mrigal	0	0	7	0	0	0	9	1	43	0	0	0	0	0	0	0	**60**
4	Kalibaus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
5	Bata	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	**57**
6	Ghania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
7	Pangas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
8	Boal/Air/Guizza Air	0	0	4	0	0	21	0	10	12	10	0	0	0	0	0	0	**57**
9	Shol/Gazar/Taki	11	24	74	23	30	18	0	29	35	73	0	0	0	0	0	0	**317**
10	Koi	0	0	0	6	0	7	0	0	0	0	3	0	0	0	0	0	**16**
11	Shingi/Magur	0	0	15	0	0	4	0	0	0	12	0	0	0	0	0	0	**31**
12	Sarpunti	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	**4**
13	Cuchia	40	6	6	5	50	19	5	1	2	75	71	241	950	53	175	34	**1733**
14	Other Inland Fish	1573	156	648	150	1080	480	755	93	365	199	966	1953	383	737	524	2017	**12079**
15	Hilsa/Ilish	841	0	0	0	1070	0	0	0	3	0	5151	2507	3058	1100	30122	1470	**45322**
16	Galda	0	0	0	0	19	6	0	0	0	0	0	13	6	14	0	0	**58**
17	Bagda	0	0	0	0	19	0	0	0	0	0	0	8	0	0	6	0	**33**
18	Harina	1818	0	0	0	613	0	0	0	0	522	0	22	11	38	0	4	**3028**
19	Chaka	8	0	0	0	5	0	0	0	0	5	0	0	0	0	0	0	**18**
20	Other small shrimp/prawn	1027	133	176	159	780	413	200	147	374	484	28	54	18	87	6	27	**4113**
TOTAL		**5318**	**352**	**970**	**353**	**3666**	**1048**	**1120**	**286**	**957**	**1380**	**6219**	**4798**	**4426**	**2029**	**30833**	**3552**	**67307**

Cont'd….

[Unit : Metric Ton]

Sl. No.	Species	Dinajpur	Gaibandha	Kurigram	Lalmonirhat	Nilphamari	Panchagarh	Rangpur	Thakurgaon	Bogura	Chapai Nawabganj	Joypurhat	Naogaon	Natore	Pabna	Rajshahi	Sirajganj	Sub-total
1	Rui	0	59	11	10	5	0	10	0	51	81	41	111	89	119	75	104	**766**
2	Catla	0	42	5	9	6	0	10	0	50	60	30	66	65	69	46	69	**527**
3	Mrigal	0	18	16	5	3	0	4	0	40	62	12	45	24	69	35	35	**368**
4	Kalibaus	0	19	0	2	0	0	6	0	0	0	0	3	11	9	0	9	**59**
5	Bata	0	12	0	3	0	0	0	0	0	0	0	3	8	0	0	6	**32**
6	Ghania	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	3	**8**
7	Pangas	0	24	0	0	0	0	0	0	3	15	0	6	6	10	23	23	**110**
8	Boal/Air/Guizza Air	0	53	50	31	0	0	7	0	8	21	9	5	6	37	30	15	**272**
9	Shol/Gazar/Taki	0	9	0	9	0	0	0	0	0	0	5	3	6	47	3	5	**87**
10	Koi	0	0	0	0	0	0	0	0	0	0	0	2	2	0	3	3	**10**
11	Shingi/Magur	0	0	0	0	0	0	0	0	0	0	0	3	1	0	3	1	**8**
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	1	**6**
13	Cuchia	1	25	20	0	1	0	9	3	81	3	10	21	29	68	9	107	**387**
14	Other Inland Fish	284	232	444	99	123	104	100	96	540	547	65	974	64	885	644	1448	**6649**
15	Hilsa/Ilish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
16	Galda	0	0	0	3	2	0	0	0	0	0	0	0	5	0	6	6	**22**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
20	Other small shrimp/prawn	8	42	24	34	61	19	17	18	19	17	27	60	46	71	58	150	**671**
Total		**293**	**535**	**570**	**205**	**201**	**123**	**163**	**117**	**792**	**806**	**199**	**1304**	**367**	**1384**	**938**	**1985**	**9982**

Cont'd….

[Unit : Metric Ton]

Sl. No.	Species	Bandarban	Brahmanbaria	Chandpur	Chattogram	Cumilla	Cox's Bazar	Feni	Khagrachhari	Lakshmipur	Noakhali	Rangamati	Habiganj	Moulvibazar	Sunamganj	Sylhet	Sub-total	Total
1	Rui	7	57	58	4	69	0	57	0	3	3	5	34	14	43	50	**404**	**1853**
2	Catla	5	27	7	3	16	0	54	0	2	1	3	11	8	12	0	**149**	**1112**
3	Mrigal	5	11	3	2	6	0	50	0	1	0	3	19	6	14	0	**120**	**736**
4	Kalibaus	0	3	4	1	5	0	0	0	0	0	2	0	0	0	59	**74**	**358**
5	Bata	0	4	0	0	0	0	80	0	7	3	3	0	20	62	0	**179**	**282**
6	Ghania	0	3	3	0	0	0	3	0	0	0	0	0	0	0	0	**9**	**18**
7	Pangas	0	10	0	0	0	0	0	0	2	2	0	0	7	9	9	**39**	**203**
8	Boal/Air/Guizza Air	0	104	47	0	62	0	86	0	4	3	13	0	8	56	59	**442**	**1254**
9	Shol/Gazar/Taki	0	13	49	0	17	0	71	0	3	2	11	0	7	21	19	**213**	**803**
10	Koi	0	2	0	0	3	0	0	0	2	1	0	0	5	5	4	**22**	**99**
11	Shingi/Magur	6	4	0	0	4	0	0	0	3	1	0	0	5	5	4	**32**	**91**
12	Sarpunti	0	5	0	0	4	0	0	0	0	0	0	0	0	0	0	**9**	**19**
13	Cuchia	4	17	26	80	70	30	37	6	10	60	12	25	8	18	17	**420**	**3024**
14	Other Inland Fish	76	395	474	40	258	17	501	195	56	29	165	659	339	496	518	**4218**	**30254**
15	Hilsa/Ilish	0	0	2825	6706	0	2336	60	0	168	61	0	0	1	5	6	**12168**	**57498**
16	Galda	0	3	5	6	26	6	0	0	4	1	0	0	4	1	0	**56**	**270**
17	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**33**
18	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**3028**
19	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**18**
20	Other small shrimp/prawn	47	22	17	20	73	15	353	17	18	6	4	78	52	119	119	**960**	**6948**
Total		**150**	**680**	**3518**	**6862**	**613**	**2404**	**1352**	**218**	**283**	**173**	**221**	**826**	**484**	**866**	**864**	**19514**	**107901**

Table 3.11. Annual Fish Production of Sundarbans Fisheries in 2019-20

[Unit : Metric Ton]

Zone	District	Hilsa	Big Shrimp/ Prawn	Small Shrimp/ Prawn	Other Fish	Total
East Sundarbans	Bagerhat	129	13	230	19157	**19529**
West Sundarbans	Khulna	371	64	16	311	**762**
West Sundarbans	Satkhira	390	28	7	291	**195**
Total	**-**	**890**	**105**	**253**	**19759**	**21007**
%	-	***4.24***	***0.50***	***1.20***	***94.06***	***100***

Source: Catch data of Sundarbans is provided by the Forest Department

Annual Growth Rate: 14.91 (Hilsa: 34.44%, Shrimp: 2.59% and other species: 14.53%)

Table 3.12. Annual Fish Production of Beels in 2019-20

[Area in Hectare] ***[Production in Metric Ton]***

Sl. No.	District	Natural Source		Beel Nursery Program		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	916	725	80	99	996	824
2	Faridpur	229	255	197	333	426	588
3	Gazipur	1550	1499	170	268	1720	1767
4	Gopalganj	659	538	242	323	901	861
5	Kishoreganj	5273	4914	1564	2036	6837	6950
6	Madaripur	108	118	155	195	263	313
7	Manikganj	513	360	259	319	772	679
8	Munshiganj	331	263	18	19	349	282
9	Narayanganj	207	148	9	15	216	163
10	Narsingdi	976	1025	188	254	1164	1279
11	Rajbari	162	175	87	122	249	297
12	Shariatpur	72	42	4	4	76	46
13	Tangail	1965	1945	368	404	2333	2349
Dhaka Division		**12961**	**12007**	**3341**	**4391**	**16302**	**16398**
14	Jamalpur	2602	2174	758	1051	3360	3225
15	Mymensingh	6850	5996	496	463	7346	6459
16	Netrakona	8347	6772	8	14	8355	6786
17	Sherpur	3433	2428	75	105	3508	2533
Mymensingh Division		**21232**	**17370**	**1337**	**1633**	**22569**	**19003**
18	Bagerhat	39	24	9	8	48	32
19	Chuadanga	1146	1072	15	22	1161	1094
20	Jashore	2530	1452	180	266	2710	1718
21	Jhenaidah	944	861	187	194	1131	1055
22	Khulna	250	209	21	19	271	228
23	Kushtia	430	311	157	253	587	564
24	Magura	290	118	42	35	332	153
25	Meherpur	417	315	32	69	449	384
26	Narail	533	312	331	234	864	546
27	Satkhira	41	28	5	5	46	33
Khulna Division		**6620**	**4702**	**979**	**1105**	**7599**	**5807**
28	Barguna	0	0	0	0	0	0
29	Barishal	41	35	*0*	0	41	35
30	Bhola	0	0	*0*	0	0	0
31	Jhalokati	14	15	*0*	0	14	15
32	Patuakhali	0	0	0	0	0	0
33	Pirojpur	20	10	0	0	20	10
Barishal Division		**75**	**60**	**0**	**0**	**75**	**60**

Cont'd….

[Area in Hectare] ***[Production in Metric Ton]***

Sl. No.	District	Natural Source		Beel Nursery Program		Total	
		Area	Production	Area	Production	Area	Production
34	Dinajpur	777	541	5	13	782	554
35	Gaibandha	690	462	129	105	819	567
36	Kurigram	1013	1069	338	597	1351	1666
37	Lalmonirhat	325	225	278	344	603	569
38	Nilphamari	576	290	232	211	808	501
39	Panchagarh	94	46	16	11	110	57
40	Rangpur	1789	1716	121	149	1910	1865
41	Thakurgaon	290	160	71	49	361	209
Rangpur Division		**5554**	**4509**	**1190**	**1479**	**6744**	**5988**
42	Bogura	3252	2287	265	310	3517	2597
43	Chapai Nawabganj	4589	2777	215	250	4804	3027
44	Joypurhat	244	212	40	59	284	271
45	Naogaon	5800	3523	1855	1688	7655	5211
46	Natore	1090	763	303	293	1393	1056
47	Pabna	1209	1116	1144	1548	2353	2664
48	Rajshahi	4788	3271	1209	858	5997	4129
49	Sirajganj	629	478	273	301	902	779
Rajshahi Division		**21601**	**14427**	**5304**	**5307**	**26905**	**19734**
50	Bandarban	0	0	0	0	0	0
51	Brahmanbaria	338	317	130	174	468	491
52	Chandpur	141	80	220	210	361	290
53	Chattogram	89	53	0	0	89	53
54	Cumilla	188	222	86	107	274	329
55	Cox's Bazar	0	0	0	0	0	0
56	Feni	0	0	0	0	0	0
57	Khagrachhari	49	25	26	29	75	54
58	Lakshmipur	0	0	0	0	0	0
59	Noakhali	0	0	0	0	0	0
60	Rangamati	0	0	0	0	0	0
Chattogram Division		**805**	**697**	**462**	**520**	**1267**	**1217**
61	Habiganj	2550	2141	428	472	2978	2613
62	Moulvibazar	2524	1850	968	1061	3492	2911
63	Sunamganj	20928	23973	40	76	20968	24049
64	Sylhet	4612	4404	650	920	5262	5324
Sylhet Division		**30614**	**32368**	**2086**	**2529**	**32700**	**34897**
Total		**99462**	**86140**	**14699**	**16964**	**114161**	**103104**

Source	Area (Ha)	Production (MT)	%	MT/Ha	*Growth Rate (%)*
Natural Source	99462	86140	***83.55***	0.866	***3.04***
Beel Nursery Program	14699	16964	***16.45***	1.154	***4.11***
TOTAL	**114161**	**103104**	***100***	**0.903**	***3.22***

Note : Area of Beel from SPARRSO Report, 1983 and district-wise area from CEGIS Report, 2002.

Table 3.13. Species Composition of Annual Fish Production of Beels in 2019-20

Sl. No.	Species	Total Catch	
		Catch (Metric Ton)	%
1	Rui	13213	*12.82*
2	Catla	8512	*8.26*
3	Mrigal	9258	*8.98*
4	Kalibaus	1790	*1.74*
5	Bata	1594	*1.55*
6	Ghania	1070	*1.04*
7	Silver carp	4530	*4.39*
8	Grass carp	1994	*1.93*
9	Mirror/Common carp	2508	*2.43*
10	Other Exotic carp	800	*0.78*
11	Pangas	180	*0.17*
12	Boal/Air	4594	*4.46*
13	Shol/Gazar/Taki	3502	*3.40*
14	Koi	2616	*2.54*
15	Shingi/Magur	1956	*1.90*
16	Tilapia/ Nilotica	1496	*1.45*
17	Sarpunti/Thai punti	4203	*4.08*
18	Big Shrimp/ Prawn	64	*0.06*
19	Small Shrimp/ Prawn	4138	*4.01*
20	Cuchia	2771	*2.69*
21	Other Inland Fish	32315	*31.34*
T O T A L		**103104**	***100***

Other Fish: Chapila, Tengra, Punti, Chital, Phali, Pabda, Baim, Mola etc.

Table 3.14. Annual Fish Production of Kaptai Lake in 2019-20

Sl. No.	Species	Production (Metric Ton)	%
1	Rui *(Labeo rohita)*	13	*0.10*
2	Catla *(Catla catla)*	22	*0.17*
3	Mrigal *(Cirrhinus cirrhosus)*	7	*0.06*
4	Kalibaus *(Labeo calbasu)*	14	*0.11*
5	Bata *(Labeo bata)*	47	*0.37*
6	Ghania *(Labeo gonius)*	0	*0.00*
7	Silver Carp *(Hypophthalmichthys molitrix)*	0.11	*0.00*
8	Grass Carp *(Ctenopharyngodon idella)*	7	*0.06*
9	Common Carp *(Cyprinus carpio)*	0	*0.00*
10	Other Exotic Carp	0.03	*0.00*
11	Pangas *(Pangasius pangasius)*	0	*0.00*
12	Boal/Air/Guizza Air *(Wallago attu/ Sperata aor / Sperata seenghala)*	215	*1.69*
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	32	*0.25*
14	Koi *(Anabas testudineus)*	0.01	*0.00*
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	2	*0.02*
16	Big Prawn	0	*0.00*
17	Small Prawn	149	*1.17*
18	Tilapia/Nilotica *(Oreochromis mossambicus/ O. niloticus)*	21	*0.17*
19	Sarpunti *(Puntius sarana)*	4	*0.03*
20	Other Fish	12163	*95.80*
T O T A L		**12696**	*100*

Source :

- Catch data of Kaptai Lake are provided by Bangladesh Fisheries Development Corporation (BFDC). Other Inland Fish: Chapila, Tengra, Punti, Chital, Phali, Pabda, Bacha, Kazoli, Baim, Kakchki, Mola, etc.
- Annual Growth Rate : 20.02%

Table 3.15. Annual Fish Catch of Floodplains in 2019-20

District	Subsistence Fisheries			Fry Released Program			Haor		Total Production (MT)
	No. of Subsistence Household ('000)	Average Catch per Household (kg)	Total Estimated Catch (MT) (A)	Area (Ha)	No. of Fry Released (lakh)	Production (MT) (B)	Area (Ha)	Production (MT) (C)	(A+B+C)
Dhaka	106	44.37	4703	5943	3.35	1490	0	0	6193
Faridpur	174	48.94	8516	1337	0.74	571	0	0	9087
Gazipur	273	58.24	15900	558	0.97	331	0	0	16231
Gopalganj	137	40.08	5491	7761	8.85	2198	0	0	7689
Kishoreganj	230	86.37	19865	4247	5.82	1423	63956	21383	42671
Madaripur	136	58.04	7894	827	4.75	236	0	0	8130
Manikganj	211	48.18	10166	780	2.34	349	0	0	10515
Munshiganj	230	48.60	11179	1960	5.22	398	0	0	11577
Narayanganj	67	19.10	1280	447	0.55	220	0	0	1500
Narsingdi	212	53.40	11320	3185	1.98	1159	0	0	12479
Rajbari	159	37.31	5933	605	0.58	219	0	0	6152
Shariatpur	131	39.59	5186	241	0.52	139	0	0	5325
Tangail	240	39.11	9387	2313	4.95	1708	0	0	11095
Dhaka Division	**2306**	50.66	**116820**	**30204**	**40.619**	**10441**	**63956**	**21383**	**148644**
Jamalpur	205	44.56	9135	380	1.5	92	0	0	9227
Mymensingh	246	42.24	10391	482	0.49	451	0	0	10842
Netrakona	115	106.63	12263	2580	2.35	1023	40240	23414	36700
Sherpur	183	12.17	2227	291	2.87	106	0	0	2333
Mymensingh Division	**749**	**45.42**	**34016**	**3733**	**7.21**	**1672**	**40239.5**	**23414**	**59102**
Bagerhat	213	21.67	4615	1554	3.17	478	0	0	5093
Chuadanga	62	21.00	1302	0	0	0	0	0	1302
Jashore	265	129.02	34191	673	0.2	307	0	0	34498
Jhenaidah	192	29.82	5726	475	0.18	306	0	0	6032
Khulna	301	62.91	18935	1692	1.05	819	0	0	19754
Kushtia	182	18.03	3282	807	2.03	435	0	0	3717
Magura	98	28.18	2762	0	0	0	0	0	2762
Meherpur	67	10.19	683	320	0.35	171	0	0	854
Narail	35	75.29	2635	682	0.6	416	0	0	3051
Satkhira	120	103.75	12450	442	0.87	224	0	0	12674
Khulna Division	**1535**	**56.40**	**86581**	**6645**	**8.45**	**3156**	**0**	**0**	**89737**
Barguna	80	44.23	3538	0	0	0	0	0	3538
Barishal	216	38.85	8391	1120	2.61	172	0	0	8563
Bhola	160	31.82	5091	0	0	0	0	0	5091
Jhalokati	122	33.27	4059	606	1.56	325	0	0	4384
Patuakhali	184	54.70	10065	255	1.39	166	0	0	10231
Pirojpur	111	33.16	3681	703	3.98	210	0	0	3891
Barishal Division	**873**	**39.89**	**34825**	**2684**	**9.54**	**873**	**0**	**0**	**35698**

Cont'd….

District	Subsistence Fisheries			Fry Released Program			Haor		Total Production (MT) (A+B+C)
	No. of Subsistence Household ('000)	Average Catch per Household (kg)	Total Estimated Catch (MT) (A)	Area (Ha)	No. of Fry Released (lakh)	Production (MT) (B)	Area (Ha)	Production (MT) (C)	
Dinajpur	421	14.04	5910	0	0	0	0	0	5910
Gaibandha	304	18.04	5483	589	4.9	305	0	0	5788
Kurigram	241	43.55	10495	823	1.14	501	0	0	10996
Lalmonirhat	119	10.55	1256	1159	4.16	406	0	0	1662
Nilphamari	121	25.84	3127	321	2	136	0	0	3263
Panchagarh	132	19.11	2523	223	0.8	119	0	0	2642
Rangpur	210	39.04	8198	294	1.68	158	0	0	8356
Thakurgaon	114	31.68	3612	300	0.21	116	0	0	3728
Rangpur Division	**1662**	**24.43**	**40604**	**3709**	**14.89**	**1741**	**0**	**0**	**42345**
Bogura	100	43.97	4397	323	9.46	245	0	0	4642
Chapai Nawabganj	47	30.47	1432	29	0.14	23	0	0	1455
Joypurhat	22	7.09	156	1.6	0.2	1	0	0	157
Naogaon	333	39.49	13150	3155	0.9	1741	0	0	14891
Natore	248	49.42	12255	8012	1.23	3387	0	0	15642
Pabna	243	35.27	8570	3866	4.38	2131	0	0	10701
Rajshahi	215	25.18	5413	956	3.48	599	0	0	6012
Sirajganj	427	74.06	31623	1285	7.74	802	0	0	32425
Rajshahi Division	**1635**	**47.09**	**76996**	**17627.6**	**27.53**	**8929**	**0**	**0**	**85925**
Bandarban	18	8.5	153	62	2.3	14	0	0	167
Brahmanbaria	273	56.16	15331	2828	7.42	881	8050	4419	20631
Chandpur	351	65.69	23058	692	1.23	271	0	0	23329
Chattogram	52	13.08	680	0	0	0	0	0	680
Cumilla	621	111.33	69136	2903	329	1398	0	0	70534
Cox's Bazar	91	11.74	1068	288	1.24	217	0	0	1285
Feni	253	25.93	6560	358	0.53	192	0	0	6752
Khagrachhari	0	0.00	0	0	0	0	0	0	0
Lakshmipur	146	67.86	9908	239	1.76	160	0	0	10068
Noakhali	352	75.42	26547	881	0.55	326	0	0	26873
Rangamati	0	0.00	0	0	0	0	0	0	0
Chattogram Division	**2157**	**70.67**	**152441**	**8251**	**344.03**	**3459**	**8050**	**4419**	**160319**
Habiganj	180	103.62	18652	966	1.08	491	25470	8959	28102
Moulvibazar	154	74.58	11485	1324	2.93	1355	24217	11041	23881
Sunamganj	242	128.33	31057	6123	9	5060	60154	29177	65294
Sylhet	168	155.58	26138	1409	1.49	1230	29630	13386	40754
Sylhet Division	**744**	**115.64**	**87332**	**9822**	**14.5**	**8136**	**139471**	**62563**	**158031**
TOTAL	**11661**	**52**	**629615**	**82676**	**467**	**38407**	**251717**	**111779**	**779801**

Source	Area (Ha)	Production (MT)	%	MT/Ha	*Growth Rate (%)*
Subsistence Fisheries	2317175	629615	80.74	*0.272*	***0.96***
Fry Released Program	82676	38407	4.93	*0.465*	***-21.61***
Haor	251717	111779	14.33	*0.444*	***2.66***
Total	**2651567**	**779801**	**100**	***0.294***	***1.49***

Table 3.16. Species Composition of Annual Fish Catch of Floodplains in 2019-20

Sl. No.	Species	Production	
		(MT)	%
1	Rui	43765	5.61
2	Catla	18792	2.41
3	Mrigal	23677	3.04
4	Kalibaus	2871	0.37
5	Bata	1181	0.15
6	Ghania	1812	0.23
7	Silver carp	2510	0.32
8	Grass carp	6696	0.86
9	Mirror/Common carp	20198	2.59
10	Other Exotic carp	0	0.00
11	Pangas	8838	1.13
12	Boal/Air	60682	7.78
13	Shol/Gazar/Taki	67015	8.59
14	Koi	9137	1.17
15	Shingi/Magur	55648	7.14
16	Tilapia/ Nilotica	0	0.00
17	Sarpunti/Thai punti	19160	2.46
18	Big Shrimp/ Prawn	1870	0.24
19	Small Shrimp/ Prawn	43266	5.55
20	Cuchia	6356	0.82
21	Other Inland Fish	386327	49.54
T O T A L		**779801**	100.00

Table 3.17. Annual Fish Production of Ponds in 2019-20

[Area in Hectare] ***[Production in Metric Ton]***

Sl. No.	District	Extensive		Semi-intensive		Intensive		Highly Intensive		Total		
		< 1.5 MT/Ha		1.5 - 4.0 MT/Ha		>4- 10 MT/Ha		>10.0 MT/Ha				
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	MT/Ha
1	Dhaka	0	0	1727	6858	229	1730	5	61	1961	8649	*4.41*
2	Faridpur	94	135	2102	8062	1559	9265	138	1948	3893	19410	*4.99*
3	Gazipur	53	67	2249	8134	1416	12645	362	5512	4080	26358	*6.46*
4	Gopalganj	660	905	1671	6531	1383	8300	10	110	3724	15846	*4.26*
6	Kishoreganj	311	412	2759	10833	1722	12934	125	1690	4917	25869	*5.26*
6	Madaripur	196	274	1944	6865	596	3682	149	1541	2885	12362	*4.28*
7	Manikganj	345	501	1628	6113	567	4936	17	266	2557	11816	*4.62*
8	Munshiganj	120	171	1594	6028	491	3471	0	0	2205	9670	*4.39*
9	Narayanganj	97	122	1272	4622	688	5078	0	0	2057	9822	*4.77*
10	Narsingdi	79	105	1185	4450	882	6896	653	11085	2799	22536	*8.05*
11	Rajbari	144	185	2605	9164	937	5622	0	0	3686	14971	*4.06*
12	Shariatpur	27	38	1770	7044	829	6174	0	0	2626	13256	*5.05*
13	Tangail	7	10	3206	10633	4279	25727	229	2623	7721	38993	*5.05*
	Dhaka Division	**2133**	**2925**	**25712**	**95337**	**15578**	**106460**	**1688**	**24836**	**45111**	**229558**	**5.09**
14	Jamalpur	0	0	1917	7057	1315	8490	110	1698	3342	17245	*5.16*
15	Mymensingh	648	921	6953	22302	11557	85984	9986	230652	29144	339859	*11.66*
16	Netrakona	490	675	5171	20145	2265	17808	23	281	7949	38909	*4.89*
17	Sherpur	43	60	2362	7841	1486	8055	607	6664	4498	22620	*5.03*
	Mymensingh Division	**1181**	**1656**	**16403**	**57345**	**16623**	**120337**	**10726**	**239295**	**44933**	**418633**	**9.32**
18	Bagerhat	1714	2531	3448	13713	139	1359	0	0	5301	17603	3.32
19	Chuadanga	5	7	1032	3546	1151	7499	0	0	2188	11052	5.05
20	Jashore	77	112	9535	41763	5650	49226	2256	40440	17518	131541	7.51
21	Jhenaidah	13	18	3277	13052	1790	12872	40	510	5120	26452	5.17
22	Khulna	655	918	3465	10820	665	4302	0	0	4785	16040	3.35
23	Kushtia	0	0	2567	9374	1869	12965	0	0	4436	22339	5.04
24	Magura	35	48	1932	7406	355	3252	0	0	2322	10706	4.61
25	Meherpur	0	0	1326	5077	216	1786	0	0	1542	6863	4.45
26	Narail	65	91	646	2395	379	2280	0	0	1090	4766	4.37
27	Satkhira	7006	8244	4198	11287	1621	14130	287	5938	13112	39599	3.02
	Khulna Division	**9570**	**11969**	**31426**	**118433**	**13835**	**109671**	**2583**	**46888**	**57414**	**286961**	**5.00**
28	Barguna	476	686	1921	6653	28	199	0	0	2425	7538	3.11
29	Barishal	0	0	9646	36889	136	843	0	0	9782	37732	3.86
30	Bhola	253	364	2001	7317	5594	28142	36	425	7884	36248	4.60
31	Jhalokati	0	0	1097	4082	37	223	4	74	1138	4379	3.85
32	Patuakhali	1226	1637	6770	21224	173	1071	0	0	8169	23932	2.93
33	Pirojpur	701	978	1907	5736	351	1878	0	0	2959	8592	2.90
	Barishal Division	**2656**	**3665**	**23342**	**81901**	**6319**	**32356**	**40**	**499**	**32357**	**118421**	**3.66**

Cont'd.....

[Area in Hectare] ***[Production in Metric Ton]***

Sl. No.	District	Extensive		Semi-intensive		Intensive		Highly Intensive		Total		
		< 1.5 MT/Ha		1.5 - 4.0 MT/Ha		>4- 10 MT/Ha		>10.0 MT/Ha				
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	MT/Ha
34	Dinajpur	102	149	6541	26060	2781	20250	98	1711	9522	48170	5.06
35	Gaibandha	0	0	4986	19115	810	6109	65	1111	5861	26335	4.49
36	Kurigram	204	294	3310	12907	905	5554	118	1288	4537	20043	4.42
37	Lalmonirhat	48	70	2650	10502	448	2592	13	195	3159	13359	4.23
38	Nilphamari	0	0	1968	6716	2126	11831	69	832	4163	19379	4.66
39	Panchagarh	0	0	2036	6905	1099	5064	73	985	3208	12954	4.04
40	Rangpur	98	127	4443	17589	1740	12282	10	165	6291	30163	4.79
41	Thakurgaon	0	0	3706	14089	1404	8281	194	2188	5304	24558	4.63
	Rangpur Division	**452**	**640**	**29640**	**113883**	**11313**	**71963**	**640**	**8475**	**42045**	**194961**	**4.64**
42	Bogura	417	560	9376	28280	3799	29777	733	16769	14325	75386	5.26
43	Chapai Nawabganj	0	0	2326	8352	706	3852	0	0	3032	12204	4.02
44	Joypurhat	30	40	2105	7063	2569	15807	0	0	4704	22910	4.87
45	Naogaon	0	0	9768	37665	2915	19460	118	1387	12801	58512	4.57
46	Natore	0	0	5320	19921	2714	23598	243	3731	8277	47250	5.71
47	Pabna	0	0	8727	34089	1798	12020	9	98	10534	46207	4.39
48	Rajshahi	0	0	5050	19394	7220	40747	233	2562	12503	62703	5.02
49	Sirajganj	68	80	3287	12999	1953	12367	0	0	5308	25446	4.79
	Rajshahi Division	**515**	**680**	**45959**	**167763**	**23674**	**157628**	**1336**	**24547**	**71484**	**350618**	**4.90**
50	Bandarban	175	228	268	750	74	368	0	0	517	1346	2.60
51	Brahmanbaria	125	181	3899	15433	2765	19829	58	1008	6847	36451	5.32
52	Chandpur	171	248	6372	22835	2872	14831	0	0	9415	37914	4.03
53	Chattogram	6470	9304	12881	45298	1718	10208	80	1030	21149	65840	3.11
54	Cumilla	1445	2053	12548	44577	7480	62464	1081	13637	22554	122731	5.44
55	Cox's Bazar	238	320	1207	4417	0	0	0	0	1445	4737	3.28
56	Feni	303	352	4094	15449	949	7757	47	751	5393	24309	4.51
57	Khagrachhari	141	201	807	2005	93	515	0	0	1041	2721	2.61
58	Lakshmipur	239	332	6027	21515	1869	9071	0	0	8135	30918	3.80
59	Noakhali	991	1285	11685	43419	434	3823	0	0	13110	48527	3.70
60	Rangamati	52	66	352	885	10	64	0	0	414	1015	2.45
	Chattogram Division	**10350**	**14570**	**60140**	**216583**	**18264**	**128930**	**1266**	**16426**	**90020**	**376509**	**4.18**
61	Habiganj	1099	1415	2502	8201	1166	7315	110	1185	4877	18116	3.71
62	Moulvibazar	3344	4445	2617	9759	1221	7998	2	27	7184	22229	3.09
63	Sunamganj	450	615	2437	8305	179	1345	4	55	3070	10320	3.36
64	Sylhet	856	1130	3472	10413	1657	8161	17	228	6002	19932	3.32
	Sylhet Division	**5749**	**7605**	**11028**	**36678**	**4223**	**24819**	**133**	**1495**	**21133**	**70597**	**3.34**
	GRAND TOTAL	**32606**	**43710**	**243650**	**887923**	**109829**	**752164**	**18412**	**362461**	**404497**	**2046258**	**5.06**

Culture Method	Production Range	Number of Pond	Area		Production		MT/Ha	Growth Rate (%)
			(Ha)	%	(MT)	%		
Extensive	<1.5MT/Ha	497296	32606	***8.06***	43710	*2.14*	1.341	*-1.36*
Semi-intensive	1.5-4 MT/Ha	1432410	243650	***60.24***	887923	*43.39*	3.644	*1.30*
Intensive	>4 - 10MT/Ha	484585	109829	***27.15***	752164	*36.76*	6.848	*12.14*
Highly Intensive	>10 MT/Ha	75612	18412	***4.55***	362461	*17.71*	19.686	*-5.37*
Total		**2489903**	**404497**	***100***	**2046258**	***100***	5.059	*3.63*

Note : Pond Area from SPARRSO (Space Research and remote Sensing Organization)Report, 1983 and updated on the basis of DFO (District Fisheries Office) Report 2019-20.

Table 3.18. Species Composition of Annual Fish Production of Ponds in 2019-20

Sl. No.	Species	Production (Metric Ton)	%
1	Rui *(Labeo rohita)*	299597	*14.64*
2	Catla *(Catla catla)*	180674	*8.83*
3	Mrigal *(Cirrhinus cirrhosus)*	191944	*9.38*
4	Kalibaus *(Labeo calbasu)*	36564	*1.79*
5	Bata *(Labeo bata)*	43912	*2.15*
6	Ghania *(Labeo gonius)*	15424	*0.75*
7	Silver Carp *(Hypophthalmichthys molitrix)*	207833	*10.16*
8	Grass Carp *(Ctenopharyngodon idella)*	50801	*2.48*
9	Common Carp *(Cyprinus carpio)*	80568	*3.94*
10	Other Exotic Carp	32282	*1.58*
11	Pangas *(Pangasius pangasius)*	394786	*19.29*
12	Boal/Air *(Wallago attu/ Sperata aor / Sperata seenghala)*	670	*0.03*
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	2475	*0.12*
14	Koi *(Anabas testudineus)*	53227	*2.60*
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	35805	*1.75*
16	Big Shrimp/Prawn	2518	*0.12*
17	Small Shrimp/ Prawn	2699	*0.13*
18	Tilapia/Nilotica *(Oreochromis mossambicus/ O. niloticus)*	297114	*14.52*
19	Sarpunti *(Puntius sarana)*	48525	*2.37*
20	Cuchia (*Monopterus cuchia)*	556	*0.03*
21	Other Fish	68284	*3.34*
	T O T A L	**2046258**	*100*

Table 3.19. District-wise Species Composition of Fish Production of Ponds in 2019-20

Sl. No.	Species	Dhaka		Faridpur		Gazipur		Gopalganj		Kishoreganj		Madaripur		Manikganj		Munshiganj		Narayanganj	
		MT	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***
1	Rui	1650	19.08	3867	*19.92*	2686	*10.19*	3168	*19.99*	4254	*16.44*	1904	*15.40*	1873	*19.37*	1848	*19.11*	1324	*13.48*
2	Catla	1352	15.63	2942	*15.16*	2045	*7.76*	1970	*12.43*	2594	*10.03*	1276	*10.32*	1180	*12.20*	1326	*13.71*	1335	*13.59*
3	Mrigal	1217	14.07	2144	*11.05*	1497	*5.68*	1522	*9.60*	2989	*11.55*	1188	*9.61*	1262	*13.05*	996	*10.30*	1065	*10.84*
4	Kalibaus	404	4.67	260	*1.34*	229	*0.87*	485	*3.06*	960	*3.71*	48	*0.39*	120	*1.24*	332	*3.43*	642	*6.54*
5	Bata	483	5.58	896	*4.62*	221	*0.84*	576	*3.63*	471	*1.82*	256	*2.07*	238	*2.46*	368	*3.81*	455	*4.63*
6	Ghania	188	2.17	0	*0.00*	25	*0.09*	170	*1.07*	359	*1.39*		*0.00*	96	*0.99*	114	*1.18*	226	*2.30*
7	Silver carp	1121	12.96	2362	*12.17*	6132	*23.26*	1730	*10.92*	3627	*14.02*	1154	*9.34*	1281	*13.25*	391	*4.04*	1078	*10.98*
8	Grass carp	490	5.67	830	*4.28*	987	*3.74*	929	*5.86*	1167	*4.51*	246	*1.99*	210	*2.17*	105	*1.09*	412	*4.19*
9	Mirror/Common carp	345	3.99	1505	*7.75*	1218	*4.62*	971	*6.13*	1648	*6.37*	498	*4.03*	595	*6.15*	191	*1.98*	414	*4.21*
10	Other Exotic carp	254	2.94	560	*2.89*	293	*1.11*	440	*2.78*	100	*0.39*	123	*0.99*	96	*0.99*	15	*0.16*	128	*1.30*
11	Pangas	122	1.41	853	*4.39*	2009	*7.62*	384	*2.42*	3586	*13.86*	2137	*17.29*	1820	*18.82*	1462	*15.12*	872	*8.88*
12	Boal/Air	0	0.00	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	24	*0.24*
13	Shol/Gazar/Taki	9	0.10	0	*0.00*	0	*0.00*	0	*0.00*	3	*0.01*	0	*0.00*	0	*0.00*	34	*0.35*	9	*0.09*
14	Koi	32	0.37	80	*0.41*	85	*0.32*	306	*1.93*	309	*1.19*	457	*3.70*	535	*5.53*	62	*0.64*	33	*0.34*
15	Shingi/Magur	35	0.40	73	*0.38*	212	*0.80*	132	*0.83*	340	*1.31*	142	*1.15*	105	*1.09*	58	*0.60*	53	*0.54*
16	Big Shrimp/Prawn	0	0.00	2	*0.01*	0	*0.00*	412	*2.60*	0	*0.00*	21	*0.17*	0	*0.00*	0	*0.00*	0	*0.00*
17	SmallShrimp/Prawn	8	0.09	6	*0.03*	0	*0.00*	99	*0.62*	0	*0.00*	46	*0.37*	29	*0.30*	0	*0.00*	3	*0.03*
18	Tilapia/ Nilotica	573	6.63	1341	*6.91*	7633	*28.96*	936	*5.91*	1643	*6.35*	2096	*16.96*	1947	*20.13*	1118	*11.56*	1037	*10.56*
19	Sarpunti/Thai punti	237	2.74	409	*2.11*	1055	*4.00*	488	*3.08*	442	*1.71*	368	*2.98*	285	*2.95*	123	*1.27*	390	*3.97*
20	Cuchia	1	0.01	3	*0.02*	1	*0.00*	30	*0.19*	2	*0.01*	3	*0.02*	1	*0.01*	1	*0.01*	1	*0.01*
21	Other Inland Fish	128	1.48	1277	*6.58*	30	*0.11*	1098	*6.93*	1375	*5.32*	399	*3.23*	143	*1.48*	1126	*11.64*	321	*3.27*
	Total	**8649**	***100***	**19410**	***100***	**26358**	***100***	**15846**	***100***	**25869**	***100.00***	**12362**	***100***	**11816**	***100***	**9670**	***100***	**9822**	***100***

Cont'd….

Sl. No.	Species	Narsingdi		Rajbari		Shariatpur		Tangail		Jamalpur		Mymensingh		Netrakona		Sherpur	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	1264	*5.61*	2205	14.73	3700	*27.91*	7690	*19.72*	3681	*14.23*	16254	*4.78*	3842	*9.87*	2958	*13.08*
2	Catla	856	*3.80*	1556	10.39	2631	*19.85*	3491	*8.95*	2040	*7.89*	7744	*2.28*	2646	*6.80*	1935	*8.55*
3	Mrigal	1535	*6.81*	1750	11.69	1868	*14.09*	3848	*9.87*	2292	*8.86*	10351	*3.05*	2743	*7.05*	2419	*10.69*
4	Kalibaus	160	*0.71*	430	2.87	0	*0.00*	945	*2.42*	365	*1.41*	2727	*0.80*	1641	*4.22*	1142	*5.05*
5	Bata	110	*0.49*	925	6.18	112	*0.84*	1255	*3.22*	145	*0.56*	4332	*1.27*	738	*1.90*	1033	*4.57*
6	Ghania	65	*0.29*	15	0.10	0	*0.00*	180	*0.46*	183	*0.71*	2960	*0.87*	685	*1.76*	964	*4.26*
7	Silver carp	638	*2.83*	1466	9.79	2264	*17.08*	6927	*17.76*	2574	*9.95*	10348	*3.04*	3297	*8.47*	2917	*12.90*
8	Grass carp	232	*1.03*	875	5.84	115	*0.87*	589	*1.51*	96	*0.37*	7046	*2.07*	1651	*4.24*	1350	*5.97*
9	Mirror/Common carp	262	*1.16*	828	5.53	609	*4.59*	2156	*5.53*	306	*1.18*	4074	*1.20*	2236	*5.75*	1368	*6.05*
10	Other Exotic carp	612	*2.72*	520	3.47	0	*0.00*	1434	*3.68*	61	*0.24*	9146	*2.69*	2389	*6.14*	464	*2.05*
11	Pangas	6653	*29.52*	1532	10.23	794	*5.99*	2803	*7.19*	2107	*8.14*	166341	*48.94*	5878	*15.11*	2194	*9.70*
12	Boal/Air	0	*0*	0	0.00	0	*0*	11	*0.03*	0	*0*	15	*0*	2	*0.01*	0	*0*
13	Shol/Gazar/Taki	0	*0*	10	0.07	0	*0*	31	*0.08*	0	*0*	219	*0*	216	*0.56*	58	*0*
14	Koi	3878	*17.21*	212	1.42	0	*0*	231	*0.59*	312	*1.21*	22109	*6.51*	1973	*5.07*	1248	*5.52*
15	Shingi/Magur	1454	*6.45*	277	1.85	0	*0*	436	*1.12*	264	*1.02*	15057	*4.43*	2854	*7.34*	383	*1.69*
16	Big Shrimp/ Prawn	0	*0*	0	0	0	*0*	1	*0.00*	0	*0.00*	0	*0*	0	*0.00*	0	*0*
17	Small Shrimp/ Prawn	25	*0.11*	12	0.08	0	*0*	0	*0.00*	0	*0.00*	66	*0*	61	*0.16*	26	*0.11*
18	Tilapia/ Nilotica	4333	*19.23*	995	6.65	542	*4.09*	5270	*13.52*	2347	*9.07*	23684	*6.97*	2875	*7.39*	1184	*5.23*
19	Sarpunti/Thai punti	75	*0.33*	544	3.63	610	*4.60*	817	*2.10*	6	*0.02*	4384	*1.29*	762	*1.96*	214	*0.95*
20	Cuchia	2	*0.01*	4	0.03	1	*0.01*	1	*0.00*	1	*0.00*	3	*0.00*	3	*0.01*	2	*0.01*
21	Other Inland Fish	382	*1.70*	815	5.44	10	*0.08*	877	*2.25*	465	*1.80*	32999	*9.71*	2417	*6.21*	761	*3.36*
	Total	**22536**	***100***	**14971**	**100**	**13256**	**100**	**38993**	**100**	**17245**	***100***	**339859**	**100**	**38909**	**100**	**22620**	**100**

Cont'd….

Sl. No.	Species	Bagerhat		Chuadanga		Jashore		Jhenaidah		Khulna		Kushtia		Magura		Meherpur	
		MT	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***
1	Rui	5193	*29.50*	1306	*11.82*	21755	16.54	4564	*17.25*	3292	*20.52*	3141	*14.06*	2229	*20.82*	1015	*14.79*
2	Catla	2037	*11.57*	698	*6.32*	10114	7.69	2248	*8.50*	1757	*10.95*	1869	*8.37*	1765	*16.49*	510	*7.43*
3	Mrigal	2090	*11.87*	973	*8.80*	19324	14.69	2961	*11.19*	1559	*9.72*	2352	*10.53*	1844	*17.22*	574	*8.36*
4	Kalibaus	220	*1.25*	72	*0.65*	3844	2.92	7	*0.03*	23	*0.14*	495	*2.22*	12	*0.11*	56	*0.82*
5	Bata	38	*0.22*	544	*4.92*	3926	2.98	220	*0.83*	105	*0.65*	1160	*5.19*	198	*1.85*	62	*0.90*
6	Ghania	15	*0.09*	2	*0.02*	133	0.10	0	*0.00*	0	*0.00*	1	*0.00*	0	*0.00*	0	*0.00*
7	Silver carp	890	*5.06*	2222	*20.10*	17915	13.62	4542	*17.17*	2442	*15.22*	4464	*19.98*	1765	*16.49*	1086	*15.82*
8	Grass carp	995	*5.65*	357	*3.23*	3363	2.56	1225	*4.63*	795	*4.96*	796	*3.56*	278	*2.60*	245	*3.57*
9	Mirror/Common carp	759	*4.31*	707	*6.40*	5059	3.85	2318	*8.76*	1170	*7.29*	2015	*9.02*	556	*5.19*	474	*6.91*
10	Other Exotic carp	165	*0.94*	190	*1.72*	1280	1	257	*0.97*	10	*0.06*	517	*2.31*	406	*3.79*	252	*3.67*
11	Pangas	785	*4.46*	744	*6.73*	18151	13.80	855	*3.23*	754	*4.70*	2576	*11.53*	530	*4.95*	944	*13.75*
12	Boal/Air	13	*0.07*	0	*0.00*	0	0	0	*0.00*	7	*0.04*	0	*0.00*	0	*0.00*	0	*0.00*
13	Shol/Gazar/Taki	224	*1.27*	0	*0.00*	18	0.01	7	*0.03*	9	*0.06*	0	*0.00*	0	*0.00*	0	*0.00*
14	Koi	72	*0.41*	50	*0.45*	1665	1	10	*0.04*	25	*0.16*	29	*0.13*	31	*0.29*	8	*0.12*
15	Shingi/Magur	23	*0.13*	14	*0.13*	1005	0.76	180	*0.68*	86	*0.54*	21	*0.09*	25	*0.23*	10	*0.15*
16	Big Shrimp/ Prawn	1688	*9.59*	0	*0.00*	3	0	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*
17	Small Shrimp/ Prawn	201	*1.14*	0	*0.00*	10	0	4	*0.02*	0	*0.00*	47	*0.21*	0	*0.00*	0	*0.00*
18	Tilapia/ Nilotica	1439	*8.17*	2808	*25.41*	19334	14.70	6221	*23.52*	3412	*21.27*	2249	*10.07*	385	*3.60*	1314	*19.15*
19	Sarpunti/Thai punti	463	*2.63*	235	*2.13*	3062	2.33	245	*0.93*	128	*0.80*	316	*1.41*	186	*1.74*	48	*0.70*
20	Cuchia	25	*0.14*	1	*0.01*	3	0.00	2	*0.01*	10	*0.06*	3	*0.01*	1	*0.01*	1	*0.01*
21	Other Inland Fish	268	*1.52*	129	*1.17*	1577	1.20	586	*2.22*	456	*2.84*	288	*1.29*	495	*4.62*	264	*3.85*
	Total	**17603**	**100**	**11052**	**100**	**131541**	**100**	**26452**	**100**	**16040**	**100**	**22339**	***100***	**10706**	**100**	**6863**	**100**

Cont'd….

Sl. No.	Species	Narail		Satkhira		Barguna		Barishal		Bhola		Jhalokati		Patuakhali		Pirojpur	
		MT	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***
1	Rui	1542	*32.35*	10419	*26.31*	577	*7.65*	4407	*11.68*	8304	*22.91*	696	*15.89*	3927	*16.41*	677	*7.88*
2	Catla	1515	*31.79*	5450	*13.76*	489	*6.49*	2028	*5.37*	6179	*17.05*	504	*11.51*	2980	*12.45*	575	*6.69*
3	Mrigal	545	*11.44*	4624	*11.68*	383	*5.08*	1915	*5.08*	2896	*7.99*	512	*11.69*	2095	*8.75*	491	*5.71*
4	Kalibaus	85	*1.78*	65	*0.16*	39	*0.52*	329	*0.87*	582	*1.61*	12	*0.27*	23	*0.10*	44	*0.51*
5	Bata	93	*1.95*	165	*0.42*	81	*1.07*	430	*1.14*	0	*0.00*	16	*0.37*	5	*0.02*	7	*0.08*
6	Ghania	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	270	*0.74*	0	*0.00*	3	*0.01*	3	*0.03*
7	Silver carp	372	*7.81*	1463	*3.69*	261	*3.46*	1022	*2.71*	3687	*10.17*	382	*8.72*	2607	*10.89*	361	*4.20*
8	Grass carp	55	*1.15*	186	*0.47*	65	*0.86*	185	*0.49*	762	*2.10*	133	*3.04*	287	*1.20*	213	*2.48*
9	Mirror/Common carp	126	*2.64*	165	*0.42*	128	*1.70*	817	*2.17*	526	*1.45*	173	*3.95*	219	*0.92*	164	*1.91*
10	Other Exotic carp	5	*0.10*	47	*0.12*	0	*0.00*	114	*0.30*	98	*0.27*	16	*0.37*	91	*0.38*	96	*1.12*
11	Pangas	90	*1.89*	9015	*22.77*	3432	*45.53*	14540	*38.53*	7101	*19.59*	1190	*27.18*	5000	*20.89*	2379	*27.69*
12	Boal/Air	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	3	*0.07*	22	*0.09*	3	*0.03*
13	Shol/Gazar/Taki	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	35	*0.10*	9	*0.21*	20	*0.08*	0	*0.00*
14	Koi	120	*2.52*	79	*0.20*	0	*0.00*	941	*2.49*	151	*0.42*	133	*3.04*	369	*1.54*	925	*10.77*
15	Shingi/Magur	60	*1.26*	86	*0.22*	0	*0.00*	110	*0.29*	79	*0.22*	15	*0.34*	96	*0.40*	0	*0.00*
16	Big Shrimp/ Prawn	26	*0.55*	26	*0.07*	0	*0.00*	5	*0.01*	0	*0.00*	0	*0.00*	212	*0.89*	2	*0.02*
17	Small Shrimp/ Prawn	0	*0.00*	33	*0.08*	0	*0.00*	0	*0.00*	98	*0.27*	2	*0.05*	12	*0.05*	3	*0.03*
18	Tilapia/ Nilotica	48	*1.01*	7121	*17.98*	1755	*23.28*	9739	*25.81*	4471	*12.33*	548	*12.51*	5378	*22.47*	2306	*26.84*
19	Sarpunti/Thai punti	30	*0.63*	38	*0.10*	135	*1.79*	619	*1.64*	539	*1.49*	0	*0.00*	287	*1.20*	178	*2.07*
20	Cuchia	1	*0.02*	35	*0.09*	7	*0.09*	15	*0.04*	200	*0.55*	2	*0.05*	10	*0.04*	10	*0.12*
21	Other Inland Fish	53	*1.11*	582	*1.47*	186	*2.47*	516	*1.37*	270	*0.74*	33	*0.75*	289	*1.21*	155	*1.80*
	Total	**4766**	***100***	**39599**	***100***	**7538**	***100***	**37732**	***100***	**36248**	***100***	**4379**	***100***	**23932**	***100***	**8592**	***100***

Cont'd….

Sl. No.	Species	Dinajpur		Gaibandha		Kurigram		Lalmonirhat		Nilphamari		Panchagarh		Rangpur		Thakurgaon	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	5843	*12.13*	2972	*11.29*	2056	*10.26*	1950	*14.60*	2408	12.43	2085	*16.10*	3153	*10.45*	1698	6.91
2	Catla	4274	*8.87*	2954	*11.22*	1689	*8.43*	761	*5.70*	1098	5.67	1804	*13.93*	2676	*8.87*	1598	6.51
3	Mrigal	4287	*8.90*	1926	*7.31*	1508	*7.52*	1349	*10.10*	1472	7.60	1796	*13.86*	2668	*8.85*	1620	6.60
4	Kalibaus	584	*1.21*	221	*0.84*	32	*0.16*	143	*1.07*	274	1.41	460	*3.55*	727	*2.41*	85	0.35
5	Bata	1673	*3.47*	552	*2.10*	875	*4.37*	1050	*7.86*	415	2.14	577	*4.45*	2135	*7.08*	330	1.34
6	Ghania	116	*0.24*	42	*0.16*	0	*0.00*	480	*3.59*	198	1.02	17	*0.13*	87	*0.29*	231	0.94
7	Silver carp	5649	*11.73*	2867	*10.89*	3181	*15.87*	2227	*16.67*	2120	10.94	1461	*11.28*	5888	*19.52*	4242	17.27
8	Grass carp	687	*1.43*	1242	*4.72*	982	*4.90*	752	*5.63*	884	4.56	254	*1.96*	1246	*4.13*	171	0.70
9	Mirror/Common carp	3698	*7.68*	1232	*4.68*	1309	*6.53*	954	*7.14*	1073	5.54	365	*2.82*	2451	*8.13*	1233	5.02
10	Other Exotic carp	108	*0.22*	72	*0.27*	752	*3.75*	790	*5.91*	152	0.78	160	*1.24*	395	*1.31*	605	2.46
11	Pangas	8316	*17.26*	4015	*15.25*	985	*4.91*	280	*2.10*	327	1.69	356	*2.75*	286	*0.95*	151	0.61
12	Boal/Air	0	*0.00*	0	*0.00*	0	*0.00*	15	*0.11*	0	0.00	1	*0.01*	0	*0.00*	0	0.00
13	Shol/Gazar/Taki	0	*0.00*	1065	*4.04*	0	*0.00*	17	*0.13*	190	0.98	18	*0.14*	11	*0.04*	0	0.00
14	Koi	558	*1.16*	1079	*4.10*	1229	*6.13*	182	*1.36*	654	3.37	371	*2.86*	592	*1.96*	142	0.58
15	Shingi/Magur	382	*0.79*	1150	*4.37*	100	*0.50*	110	*0.82*	89	0.46	396	*3.06*	943	*3.13*	3	0.01
16	Big Shrimp/ Prawn	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	0	*0.00*	0	*0.00*	0	0.00
17	Small Shrimp/ Prawn	1575	*3.27*	0	*0.00*	0	*0.00*	15	*0.11*	0	0.00	14	*0.11*	4	*0.01*	0	0.00
18	Tilapia/ Nilotica	8261	*17.15*	4812	*18.27*	4705	*23.47*	968	*7.25*	5520	28.48	2046	*15.79*	4080	*13.53*	11385	46.36
19	Sarpunti/Thai punti	1240	*2.57*	67	*0.25*	361	*1.80*	695	*5.20*	2093	10.80	378	*2.92*	2402	*7.96*	920	3.75
20	Cuchia	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	2	*0.02*	1	*0.00*	7	0.03
21	Other Inland Fish	919	*1.91*	67	*0.25*	279	*1.39*	621	*4.65*	412	2.13	393	*3.03*	418	*1.39*	137	0.56
	Total	**48170**	*100*	**26335**	*100*	**20043**	*100*	**13359**	*100*	**19379**	*100*	**12954**	*100*	**30163**	*100*	**24558**	*100*

Cont'd….

Sl. No.	Species	Bogura		Chapai Nawabganj		Joypurhat		Naogaon		Natore		Pabna		Rajshahi		Sirajganj	
		MT	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***	***MT***	***%***
1	Rui	9802	*13.00*	2154	*17.65*	4390	*19.16*	10394	*17.76*	10085	*21.34*	7285	*15.77*	19250	30.70	3649	*14.34*
2	Catla	5495	*7.29*	1336	*10.95*	3338	*14.57*	5594	*9.56*	4089	*8.65*	3268	*7.07*	10864	17.33	2154	*8.46*
3	Mrigal	8146	*10.81*	2003	*16.41*	2230	*9.73*	8998	*15.38*	6372	*13.49*	4571	*9.89*	8478	13.52	2187	*8.59*
4	Kalibaus	1680	*2.23*	340	*2.79*	71	*0.31*	1289	*2.20*	428	*0.91*	712	*1.54*	2245	3.58	420	*1.65*
5	Bata	3165	*4.20*	1037	*8.50*	291	*1.27*	1231	*2.10*	1338	*2.83*	2826	*6.12*	965	1.54	645	*2.53*
6	Ghania	45	*0.06*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	119	*0.26*	56	0.09	739	*2.90*
7	Silver carp	9106	*12.08*	2335	*19.13*	4167	*18.19*	7255	*12.40*	9640	*20.40*	7586	*16.42*	10407	16.60	2365	*9.29*
8	Grass carp	1446	*1.92*	358	*2.93*	1207	*5.27*	1019	*1.74*	1566	*3.31*	656	*1.42*	871	1.39	579	*2.28*
9	Mirror/Common carp	2710	*3.59*	843	*6.91*	1121	*4.89*	2475	*4.23*	4414	*9.34*	2768	*5.99*	4728	7.54	1210	*4.76*
10	Other Exotic carp	1488	*1.97*	873	*7.15*	197	*0.86*	1423	*2.43*	57	*0.12*	45	*0.10*	821	1.31	138	*0.54*
11	Pangas	19096	*25.33*	121	*0.99*	3156	*13.78*	10833	*18.51*	4196	*8.88*	8601	*18.61*	997	1.59	1225	*4.81*
12	Boal/Air	45	*0.06*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	0	*0.00*
13	Shol/Gazar/Taki	48	*0.06*	9	*0.07*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	0	*0.00*
14	Koi	2101	*2.79*	102	*0.84*	116	*0.51*	865	*1.48*	6	*0.01*	112	*0.24*	405	0.65	766	*3.01*
15	Shingi/Magur	2264	*3.00*	34	*0.28*	186	*0.81*	770	*1.32*	310	*0.66*	233	*0.50*	486	0.78	261	*1.03*
16	Big Shrimp/ Prawn	0	*0.00*	2	*0.02*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	0	*0.00*
17	Small Shrimp/ Prawn	81	*0.11*	11	*0.09*	5	*0.02*	13	*0.02*	0	*0.00*	0	*0.00*	113	0.18	6	*0.02*
18	Tilapia/ Nilotica	4678	*6.21*	129	*1.06*	1953	*8.52*	5388	*9.21*	2165	*4.58*	847	*1.83*	1015	1.62	7558	*29.70*
19	Sarpunti/Thai punti	1032	*1.37*	91	*0.75*	232	*1.01*	71	*0.12*	128	*0.27*	5694	*12.32*	408	0.65	897	*3.53*
20	Cuchia	1	*0.00*	0	*0.00*	1	*0.00*	2	*0.00*	1	*0.00*	1	*0.00*	0	0.00	1	*0.00*
21	Other Inland Fish	2957	*3.92*	426	*3.49*	249	*1.09*	892	*1.52*	2455	*5.20*	883	*1.91*	594	0.95	646	*2.54*
	Total	**75386**	*100*	**12204**	*100*	**22910**	*100*	**58512**	*100*	**47250**	*100*	**46207**	*100*	**62703**	*100*	**25446**	*100*

Cont'd….

Sl. No.	Species	Bandarban		Brahmanbaria		Chandpur		Chattogram		Cumilla		Cox's Bazar		Feni		Khagrachhari	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	276	*20.51*	6537	*17.93*	8511	*22.45*	13123	*19.93*	13281	10.82	627	*13.24*	3711	*15.27*	427	*15.69*
2	Catla	211	*15.68*	5022	*13.78*	6549	*17.27*	9267	*14.08*	5397	4.40	506	*10.68*	2527	*10.40*	306	*11.25*
3	Mrigal	175	*13.00*	4041	*11.09*	4871	*12.85*	9948	*15.11*	5843	4.76	377	*7.96*	2907	*11.96*	431	*15.84*
4	Kalibaus	9	*0.67*	611	*1.68*	810	*2.14*	1021	*1.55*	525	0.43	168	*3.55*	487	*2.00*	120	*4.41*
5	Bata	2	*0.15*	820	*2.25*	444	*1.17*	35	*0.05*	2892	2.36	5	*0.11*	23	*0.09*	65	*2.39*
6	Ghania	17	*1.26*	651	*1.79*	12	*0.03*	123	*0.19*	3012	2.45	47	*0.99*	1065	*4.38*	19	*0.70*
7	Silver carp	181	*13.45*	3721	*10.21*	4938	*13.02*	3520	*5.35*	5319	4.33	315	*6.65*	2472	*10.17*	270	*9.92*
8	Grass carp	43	*3.19*	912	*2.50*	30	*0.08*	1015	*1.54*	1380	1.12	150	*3.17*	335	*1.38*	33	*1.21*
9	Mirror/Common carp	102	*7.58*	1229	*3.37*	2302	*6.07*	1231	*1.87*	1040	0.85	83	*1.75*	559	*2.30*	277	*10.18*
10	Other Exotic carp	5	*0.37*	292	*0.80*	406	*1.07*	189	*0.29*	123	0.10	41	*0.87*	106	*0.44*	107	*3.93*
11	Pangas	115	*8.54*	2883	*7.91*	0	*0.00*	6215	*9.44*	39563	32.24	863	*18.22*	683	*2.81*	251	*9.22*
12	Boal/Air	0	*0.00*	3	*0.01*	0	*0.00*	12	*0.02*	0	0.00	0	*0.00*	442	*1.82*	10	*0.37*
13	Shol/Gazar/Taki	1	*0.07*	7	*0.02*	0	*0.00*	9	*0.01*	9	0.01	11	*0.23*	14	*0.06*	12	*0.44*
14	Koi	3	*0.22*	410	*1.12*	122	*0.32*	165	*0.25*	4671	3.81	27	*0.57*	895	*3.68*	5	*0.18*
15	Shingi/Magur	13	*0.97*	359	*0.98*	74	*0.20*	185	*0.28*	2803	2.28	17	*0.36*	368	*1.51*	6	*0.22*
16	Big Shrimp/ Prawn	0	*0.00*	0	*0.00*	0	*0.00*	9	*0.01*	0	0.00	19	*0.40*	0	*0.00*	0	*0.00*
17	Small Shrimp/ Prawn	5	*0.37*	0	*0.00*	5	*0.01*	13	*0.02*	6	0.00	8	*0.17*	0	*0.00*	5	*0.18*
18	Tilapia/ Nilotica	125	*9.29*	3044	*8.35*	8419	*22.21*	18613	*28.27*	35120	28.62	1250	*26.39*	7241	*29.79*	204	*7.50*
19	Sarpunti/Thai punti	7	*0.52*	5376	*14.75*	339	*0.89*	341	*0.52*	47	0.04	9	*0.19*	226	*0.93*	87	*3.20*
20	Cuchia	2	*0.15*	1	*0.00*	3	*0.01*	20	*0.03*	20	0.02	20	*0.42*	10	*0.04*	2	*0.07*
21	Other Inland Fish	54	*4.01*	532	*1.46*	79	*0.21*	786	*1.19*	1680	1.37	194	*4.10*	238	*0.98*	84	*3.09*
	Total	**1346**	*100*	**36451**	*100*	**37914**	*100*	**65840**	*100*	**122731**	*100*	**4737**	*100*	**24309**	*100*	**2721**	*100*

Cont'd….

Sl. No.	Species	Lakshmipur		Noakhali		Rangamati		Habiganj		Moulvibazar		Sunamganj		Sylhet		Total	
		MT	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*	*MT*	*%*
1	Rui	5149	*16.65*	11197	*23.07*	165	*16.26*	1770	*9.77*	2614	*11.76*	2720	26.36	3103	15.57	**299597**	*14.64*
2	Catla	3795	*12.27*	7737	*15.94*	124	*12.22*	1265	*6.98*	1910	*8.59*	1338	12.97	2091	10.49	**180674**	*8.83*
3	Mrigal	3212	*10.39*	7899	*16.28*	97	*9.56*	1219	*6.73*	1174	*5.28*	2038	19.75	2277	11.42	**191944**	*9.38*
4	Kalibaus	1045	*3.38*	3424	*7.06*	75	*7.39*	182	*1.00*	972	*4.37*	17	0.16	589	2.96	**36564**	*1.79*
5	Bata	0	*0.00*	0	*0.00*	3	*0.30*	269	*1.48*	585	*2.63*	0	0.00	0	0.00	**43912**	*2.15*
6	Ghania	0	*0.00*	118	*0.24*	9	*0.89*	369	*2.04*	762	*3.43*	28	0.27	405	2.03	**15424**	*0.75*
7	Silver carp	2090	*6.76*	3969	*8.18*	87	*8.57*	2294	*12.66*	509	*2.29*	1268	12.29	1596	8.01	**207833**	*10.16*
8	Grass carp	558	*1.80*	1552	*3.20*	56	*5.52*	458	*2.53*	956	*4.30*	616	5.97	1517	7.61	**50801**	*2.48*
9	Mirror/Common carp	331	*1.07*	2137	*4.40*	42	*4.14*	1094	*6.04*	903	*4.06*	686	6.65	1368	6.86	**80568**	*3.94*
10	Other Exotic carp	448	*1.45*	1951	*4.02*	4	*0.39*	8	*0.04*	143	*0.64*	112	1.09	92	0.46	**32282**	*1.58*
11	Pangas	4565	*14.76*	3618	*7.46*	112	*11.03*	1003	*5.54*	1673	*7.53*	320	3.10	348	1.75	**394786**	*19.29*
12	Boal/Air	0	*0.00*	42	*0.09*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	0	0.00	**670**	*0.03*
13	Shol/Gazar/Taki	75	*0.24*	35	*0.07*	0	*0.00*	1	*0.01*	32	*0.14*	0	0.00	0	0.00	**2475**	*0.12*
14	Koi	113	*0.37*	202	*0.42*	0	*0.00*	4	*0.02*	458	*2.06*	185	1.79	217	1.09	**53227**	*2.60*
15	Shingi/Magur	0	*0.00*	36	*0.07*	5	*0.49*	7	*0.04*	412	*1.85*	26	0.25	92	0.46	**35805**	*1.75*
16	Big Shrimp/ Prawn	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	*0.00*	0	0.00	90	0.45	**2518**	*0.12*
17	Small Shrimp/ Prawn	8	*0.03*	15	*0.03*	0	*0.00*	6	*0.03*	0	*0.00*	0	0.00	0	0.00	**2699**	*0.13*
18	Tilapia/ Nilotica	8975	*29.03*	3459	*7.13*	159	*15.67*	5121	*28.27*	7103	*31.95*	723	7.01	3966	19.90	**297114**	*14.52*
19	Sarpunti/Thai punti	406	*1.31*	569	*1.17*	16	*1.58*	2882	*15.91*	1575	*7.09*	223	2.16	1995	10.01	**48525**	*2.37*
20	Cuchia	0	*0.00*	15	*0.03*	1	*0.10*	15	*0.08*	30	*0.13*	10	0.10	4	0.02	**556**	*0.03*
21	Other Inland Fish	148	*0.48*	552	*1.14*	60	*5.91*	149	*0.82*	418	*1.88*	10	0.10	182	0.91	**68284**	*3.34*
	Total	**30918**	*100*	**48527**	*100*	**1015**	*100*	**18116**	*100*	**22229**	*100*	**10320**	*100*	**19932**	*100*	**2046258**	*100*

Table 3.20. Annual Fish Production of Seasonal Cultured Waterbodies in 2019-20

[Area in Hectare] ***[Production in Metric Ton]***

Sl. No.	District	Fish Culture in Floodplain & Paddy Field		Fish Culture in Boropit		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	1760	3458	11	11	1771	3469
2	Faridpur	10935	5385	387	856	11322	6241
3	Gazipur	3850	8441	2	6	3852	8447
4	Gopalganj	2755	3609	141	178	2896	3787
5	Kishoreganj	1069	1073	1	2	1070	1075
6	Madaripur	137	193	0	0	137	193
7	Manikganj	3871	3488	10	9	3881	3497
8	Munshiganj	6200	4621	0	0	6200	4621
9	Narayanganj	3235	3110	188	474	3423	3584
10	Narsingdi	638	867	13	53	651	920
11	Rajbari	2000	2331	190	337	2190	2668
12	Shariatpur	1027	1021	0	0	1027	1021
13	Tangail	1768	2376	138	253	1906	2629
	Dhaka Division	**39246**	**39973**	**1081**	**2179**	**40327**	**42152**
14	Jamalpur	1413	1537	0	0	1413	1537
15	Mymensingh	1447	1859	171	169	1618	2028
16	Netrakona	3586	5401	17	33	3603	5434
17	Sherpur	1225	1944	6	4	1231	1948
	Mymensingh Division	**7671**	**10741**	**194**	**206**	**7864**	**10947**
18	Bagerhat	1651	1457	173	322	1824	1779
19	Chuadanga	1174	1561	11	27	1185	1588
20	Jashore	12305	24173	87	78	12392	24251
21	Jhenaidah	1261	1361	1016	1898	2277	3259
22	Khulna	879	771	304	251	1183	1022
23	Kushtia	835	725	1971	3462	2806	4187
24	Magura	152	104	4	8	156	112
25	Meherpur	221	217	1	1	222	218
26	Narail	0	0	345	578	345	578
27	Satkhira	2889	1582	258	179	3147	1761
	Khulna Division	**21367**	**31951**	**4171**	**6804**	**25538**	**38755**
28	Barguna	627	562	30	49	657	611
29	Barishal	12893	8084	0	0	12893	8084
30	Bhola	91	53	133	382	224	435
31	Jhalokati	348	554	0	0	348	554
32	Patuakhali	77	90	94	128	171	218
33	Pirojpur	1552	673	714	352	2266	1025
	Barishal Division	**15588**	**10016**	**971**	**911**	**16559**	**10927**

Cont'd.....

[Area in Hectare] ***[Production in Metric Ton]***

Sl. No.	District	Fish Culture in Floodplain & Paddy Field		Fish Culture in Boropit		Total	
		Area	Production	Area	Production	Area	Production
34	Dinajpur	1297	1387	383	616	1680	2003
35	Gaibandha	600	432	186	390	786	822
36	Kurigram	3230	3785	452	898	3682	4683
37	Lalmonirhat	2096	3230	125	448	2221	3678
38	Nilphamari	665	635	71	105	736	740
39	Panchagarh	283	428	17	27	300	455
40	Rangpur	2468	3508	53	112	2521	3620
41	Thakurgaon	217	350	0	0	217	350
	Rangpur Division	**10855**	**13755**	**1288**	**2596**	**12143**	**16351**
42	Bogura	440	505	76	198	516	703
43	Chapai Nawabganj	78	113	58	108	136	221
44	Joypurhat	64	40	172	549	236	589
45	Naogaon	600	529	55	135	654	664
46	Natore	163	249	97	182	260	431
47	Pabna	695	736	1080	2320	1775	3056
48	Rajshahi	5990	5687	310	675	6300	6362
49	Sirajganj	374	429	335	823	709	1252
	Rajshahi Division	**8403**	**8288**	**2182**	**4990**	**10586**	**13278**
50	Bandarban	63	162	333	360	396	522
51	Brahmanbaria	2650	2739	29	61	2679	2800
52	Chandpur	716	985	362	927	1078	1912
53	Chattogram	699	829	1535	2617	2234	3446
54	Cumilla	26739	77018	181	290	26920	77308
55	Cox's Bazar	96	108	33	53	130	161
56	Feni	299	196	37	76	336	272
57	Khagrachhari	80	53	272	394	352	447
58	Lakshmipur	167	248	320	619	487	867
59	Noakhali	796	956	110	224	906	1180
60	Rangamati	0	0	361	555	361	555
	Chattogram Division	**32306**	**83294**	**3573**	**6176**	**35878**	**89470**
61	Habiganj	151	150	29	56	180	206
62	Moulvibazar	147	99	414	682	561	781
63	Sunamganj	760	1049	418	466	1178	1515
64	Sylhet	728	988	400	578	1128	1566
	Sylhet Division	**1786**	**2286**	**1261**	**1782**	**3047**	**4068**
	TOTAL	**137222**	**200304**	**14720**	**25644**	**151942**	**225948**

Source	Area (Ha)	Production (MT)	MT/Ha	% of Production	*Growth Rate (%)*
Floodplain/Paddy field	137222	200304	1.46	**88.65**	***3.90***
Borrow pit	14720	25644	1.74	**11.35**	***4.47***
Total	**151942**	**225948**	**1.49**	**100**	***3.96***

Table 3.21. Species Composition of Fish Production of Seasonal Cultured Waterbodies in 2019-20

Sl. No.	Species	Total Catch (MT)	(%)
1	Rui *(Labeo rohita)*	52921	*23.42*
2	Catla *(Catla catla)*	23607	*10.45*
3	Mrigal *(Cirrhinus cirrhosus)*	25024	*11.08*
4	Kalibaus *(Labeo calbasu)*	406	*0.18*
5	Bata *(Labeo bata)*	10231	*4.53*
6	Ghania *(Labeo gonius)*	2493	*1.10*
7	Silver Carp *(Hypophthalmichthys molitrix)*	36311	*16.07*
8	Grass Carp *(Ctenopharyngodon idella)*	11742	*5.20*
9	Common Carp *(Cyprinus carpio)*	23073	*10.21*
10	Other Exotic Carp	0	*0.00*
11	Pangas *(Pangasius pangasius)*	0	*0.00*
12	Boal/Air/Guizza Air *(Wallago attu/ Sperata aor / Sperata seenghala*	120	*0.05*
13	Shol/Gazar/Taki *(Channa striatus/C. marulius/C. punctatus)*	238	*0.11*
14	Koi *(Anabas testudineus)*	1386	*0.61*
15	Shingi/Magur *(Heteropneustes fossilis/Clarias batrachus)*	47	*0.02*
16	Tilapia/Nilotica (*Oreochromis mossambicus/O. niloticus)*	22931	*10.15*
17	Sarpunti *(Puntius sarana)*	8485	*3.76*
18	Cuchia *(Monopterus cuchia)*	283	*0.13*
19	Other Inland Fish	4827	*2.14*
20	Big Prawn	709	*0.31*
21	Small Prawn	1114	*0.49*
T O T A L		**225948**	*100*

Table 3.22. Annual Fish Production of Baors in 2019-20

District	Area (Ha)	Production (MT)
Faridpur	437	812
Gopalganj	791	1047
Madaripur	1119	1253
Rajbari	14	29
Dhaka Division	**2361**	**3141**
Bagherhat	90	10
Chuadanga	498	1603
Jashore	1474	3598
Jhenaidah	881	1760
Kushtia	87	195
Magura	118	211
Meherpur	81	250
Satkhira	81	201
Khulna Division	***3310***	***7828***
TOTAL	***5671***	***10969***
Unit Production (MT/Ha)		***1.93***

Note : Area of Baor from SPARRSO Report -1983, CEGIS Report -2004 and Baor Fish Development Project.

Table 3.23. Species Composition of Fish Production of Baors in 2019-20

SL. No.	Species	Total Production	
		Production (MT)	%
1	Rui	1575	*14.36*
2	Catla	919	*8.38*
3	Mrigal	636	*5.80*
4	Kalibaus	45	*0.41*
5	Bata	248	*2.26*
6	Ghania	19	*0.17*
7	Silver carp	1838	*16.76*
8	Grass carp	611	*5.57*
9	Mirror/Common carp	477	*4.35*
10	Other Exotic carp	52	*0.47*
11	Pangas	0	*0.00*
12	Boal/Air	152	*1.39*
13	Shol/Gazar/Taki	256	*2.33*
14	Koi	14	*0.13*
15	Shingi/Magur	13	*0.12*
16	Tilapia/Nilotica	422	*3.85*
17	Sarpunti/Thai punti	196	*1.79*
18	Cuchia	11	*0.10*
19	Other Inland Fish	3029	*27.61*
20	Big Shrimp/Prawn	16	*0.15*
21	Small Shrimp/Prawn	440	*4.01*

	TOTAL	**10969**	*100*

Table 3.24. Annual Production of Shrimp/Prawn Farms in 2019-20

District	Area (Ha)				Shrimp/ Prawn Production (MT)				Crab Production (MT)	Fish Production (MT)	Total Producton (MT)
	Bagda	Galda	Crab	Total	Bagda	Galda	Other shrimp/ prawn	Total shrimp/ prawn			
Dhaka	0	0	0	0	0	0	0	0	0	0	0
Faridpur	0	58.6	0	58.6	0	11	0	11	0	61.8	72.8
Gazipur	0	0	0	0	0	0	0	0	0	0	0
Gopalganj	0	1261.46	0	1261.46	0	454	0	454	0	1549	2003
Kishoreganj	0	0.3	0	0.3	0	0.08	0	0.08	0	2.00	2.08
Madaripur	0	17.48	0	17.48	0	8.61	0	8.61	0	58	67
Manikganj	0	3	0	3	0	2.4	1.4	3.8	0	4	7.8
Munsiganj	0	0.32	0	0.32	0	0.25	0	0.25	0	0.6	0.9
Narayanganj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	0	0.36	0	0.36	0	0.28	0	0.28	0	1.1	1.38
Rajbari	0	0	0	0	0	0	0	0	0	0	0
Shariatpur	0	22.55	0	22.55	0	7	0	7	0	47.7	54.70
Tangail	0	0	0	0	0	0	0	0	0	0	0
Dhaka Div.	**0**	**1364**	**0**	**1364**	**0**	**484**	**1.4**	**485**	**0**	**1724**	**2210**
Jamalpur	0	0	0	0	0	0	0	0	0	0	0.00
Mymensingh	0	0.97	0	0.97	0.0	0.83	0	0.83	0.0	2.79	3.62
Netrakona	0	0	0	0	0	0	0	0	0	0	0
Sherpur	0	0	0	0	0	0	0	0	0	0	0
Mymensingh Div.	**0**	**0.97**	**0**	**0.97**	**0**	**0.83**	**0**	**0.83**	**0**	**2.79**	**3.62**
Bagerhat	52550	19960	1719	74228.8	17488	16337	2117	35942	3458	32837	72237
Chuadanga	0	0	0	0	0	0	0	0	0	0	0
Jashore	1612	14864	0	16476	425	7751	101	8277	0	22147	30424
Jhenaidah	0	3.5	0	3.5	0	2	0	2	0	17	19
Khulna	33996	19216	7325	60537.5	12549	13325	1733	27607	6250	35005	68863
Kushtia	0	0	0	0	0	0	0	0	0	0	0
Magura	0	23.36	0	23.4	0	5	0	5	0	47	52
Meherpur	0	0	0	0	0	0	0	0	0	0	0
Narail	0	2327	0	2327	0	2080	200	2280	0	2101	4381
Satkhira	49866	9378	314	59558	24088	8631	4383	37102	1892	35255	74249
Khulna Div.	**138024**	**65772**	**9358**	**213154.2**	**54550**	**48131**	**8534**	**111215**	**11600**	**127409**	**250225**
Barguna	256.5	148.40	8	412.9	93	79	72.14	244.14	31	315	591
Barishal	0	1751	0	1751	0	884	0	884	0	3573	4457
Bhola	22.6	15.20	13	50.8	8.89	8	3	19.89	35	112	166
Jhalokati	0	23.37	0	23.37	0	10	0	10	0	66	76
Patuakhali	480	693	15	1188	163	394	392	949	148	2157	3254
Pirojpur	40	1035	6.2	1081	13	553	76	642	24	1903	2569
Barishal Div.	**799**	**3666**	**42**	**4507**	**278**	**1928**	**543**	**2749**	**238**	**8126**	**11113**

Cont'd.....

District	Area (Ha)				Shrimp/Prawn Production (MT)				Crab Production (MT)	Fish Production (MT)	Total Production (MT)
	Bagda	Golda	Crab	Total	Bagda	Galda	Other shrimp/ prawn	Total shrimp/ prawn			
Dinajpur	0	4.05	0	4.05	0	1.85	0	1.85	0	15.46	17.31
Gaibandha	0	3	0	3	0	2	0	2	0	11.4	13.40
Kurigram	0	1.56	0	1.56	0	0.385	0	0.385	0	5.63	6.01
Lalmonirhat	0	0.9	0	0.9	0	0.78	0	0.78	0	2.63	3.41
Nilphamari	0	0.88	0	0.88	0	0.7	0	0.7	0	4.34	5.04
Panchagarh	0	3.83	0	3.83	0	0.27	0	0.27	0	4.21	4.48
Rangpur	0	4.58	0	4.58	0	4.38	0	4.38	0	10.64	15.02
Thakurgaon	0	1.66	0	1.66	0	0.83	0	0.83	0	5.60	6.43
Ranpur Div.	**0**	**20.46**	**0**	**20.46**	**0**	**11.195**	**0**	**11.195**	**0**	**60**	**71.09**
Bogura	0	1.28	0	1.28	0	1.08	0	1.08	0	4.2	5.28
C.Nawabganj	0	0.25	0	0.25	0	0.13	0	0.13	0	0.91	1.04
Joypurhat	0	5.84	0	5.84	0	1.215	0	1.215	0	22.36	23.58
Naogaon	0	0.53	0	0.53	0	0.26	0	0.26	0	1.92	2.18
Natore	0	0.5	0	0.5	0	0.16	0	0.16	0	1.8	1.96
Pabna	0	0	0	0	0	0	0	0	0	0	0.00
Rajshahi	0	3.09	0	3.09	0	1.25	0	1.25	0	8.29	9.54
Sirajganj	0	0.53	0	0.53	0	0.28	0	0.28	0	1.5	1.78
Rajshahi Div.	**0**	**12.02**	**0**	**12.02**	**0**	**4.375**	**0**	**4.375**	**0**	**40.98**	**45.36**
Bandarban	0	0	0	0	0	0	0	0	0	0	0
Brahmanbaria	0	0	0	0	0	0	0	0	0	0	0
Chandpur	0	47.30	0	47.3	0	43.4	0	43.4	0	148.2	191.6
Chattogram	2924	304	0	3228	775	180.4	338.5	1293.9	0	305	1598.9
Cumilla	0	35.56	0	35.56	0	27	15.2	42.2	0	106.0	148.2
Cox's Bazar	44528	129.32	118	44775	9085	156.3	2378	11619.3	705	4225.0	16549.3
Feni	0	38.13	0	38.13	0	11.3	0.2	11.5	0	57.0	68.5
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	0	72	0	72	0	50	6.75	56.75	0	18.0	74.4
Noakhali	0	147	17	164	0	65.25	0	65.25	19	278.0	362.3
Rangamati	0	0	0	0	0	0	0	0	0	0	0
Chattogram Div.	**47452**	**773.31**	**135**	**48359.99**	**9860**	**533.65**	**2738.65**	**13132.3**	**724**	**5137.15**	**18993**
Habiganj	0	4.19	0	4.19	0	3.31	0	3.31	0	11.5	14.8
Moulvibazar	0	0	0	0	0	0	0	0	0	0.0	0
Sunamganj	0	0	0	0	0	0	0	0	0	0.0	0
Sylhet	0	0.31	0	0.31	0	0.3	0	0.3	0	0.7	0.98
Sylhet Div.	**0**	**4.50**	**0**	**4.5**	**0**	**3.61**	**0**	**3.61**	**0**	**12.2**	**15.78**
TOTAL	**186275**	**71613**	**9535**	**267423**	**64688**	**51096**	**11817**	**127601**	**12562**	**142513**	**282676**
%	*69.66*	*26.78*	*3.57*	*100.00*	*22.88*	*18.08*	*4.18*	*45.14*	*4.44*	*50.42*	*100*

Species	Area (Ha)			Production (MT)			Kg/Ha		*Growth Rate (%)*	
	2019-20	2018-19	Difference	2019-20	2018-19	Difference	2019-20	2018-19	2019-20	2018-19
Bagda	186275	185308	967	64688	63171	1517	347	341	2.40	*2.37*
Galda	71614	73245	–1631	51096	52197	-1101	713	713	–2.11	*1.21*
Other Shrimp /Prawn	–	–		11817	9742	2075	46	38	21.30	*5.09*
Shrimp/Prawn Total	**257888**	**258553**	–665	**127601**	**125110**	**2491**	**495**	**484**	1.99	*2.09*
Fish	–	–		142513	132929	9584	553	514	7.21	*0.84*
Total	**257888**	**258553**	-665	**270114**	**258039**	**12075**	1047	**998**	4.68	***1.44***
Crab	**9535**	9377	–319	**12562**	**12084**	**478**	1317	1289	3.96	***2.52***

Source : ***Report from Deputy Director (Shrimp), Dhaka and District Fisheries Offices. Other Shrimp/Prawn: Harina, Chaka and other small shrimp/prawn. Crab production has been included from 2015-16.***

Table 3.25. Species-wise Production of Shrimp/Prawn Farms in 2019-20

Sl. No.	Species	Total Production (MT)	%
1	Bagda ***(Penaeus monodon)***	64688	*22.88*
2	Galda ***(Macrobrachium rosenbergii)***	51096	*18.08*
3	Harina ***(Metapenaeus monoceros)***	4979	*1.76*
4	Chaka ***(Fenneropenaeus indicus)***	2545	*0.90*
5	Other Shrimp/Prawn	4293	*1.52*
	Shrimp/Prawn Total	**127601**	***45.14***
6	Rui	30405	*10.76*
7	Catla	22712	*8.03*
8	Mrigal	3949	*1.40*
9	Kalibaus	0	*0.00*
10	Bata	2736	*0.97*
11	Ghania	201	*0.07*
12	Silver Carp	15270	*5.40*
13	Grass Carp	664	*0.23*
14	Mirror/Common Carp	624	*0.22*
15	Other Exotic Carp	0	*0.00*
16	Pangas	0	*0.00*
17	Boal/Air	0	*0.00*
18	Shol/ Gazar/Taki	0	*0.00*
19	Koi	0	*0.00*
20	Shingi/ Magur	0	*0.00*
21	Tilapia/Nilotica	41428	*14.66*
22	Thai Sharpunti	16352	*5.78*
23	Cuchia	411	*0.15*
24	Other Fish	7761	*2.75*
	Fish Total	**142513**	***50.42***
25	Crab	**12562**	***4.44***
	GRAND TOTAL	**282676**	***100***

Table 3.26. Sector-wise Annual Shrimp/Prawn Production in 2019-20

Sl. No.	Sector of Fisheries	Galda	Bagda	Harina	Chaka	Other Shrimp/ Prawn	Total
1	River	913	33	3028	18	9443	13435
2	Sundarbans	51	54	0	0	253	358
3	Beel	64	0	0	0	4138	4202
4	Kaptai Lake		0	0	0	149	149
5	Floodplain	1870	0	0	0	43266	45136
6	Pond	2518	0	0	0	2699	5217
7	Seasonal cultured waterbody	709	0	0	0	1114	1823
8	Baor	16	0	0	0	440	456
9	Shrimp/Prawn Farm	51096	64688	4979	2545	4293	127601
10	Pen Culture	0	0	0	0	88	88
11	Cage Culture	0	0	0	0	0	0
	Inland Total	**57237**	**64775**	**8007**	**2563**	**65883**	**198465**
12	Marine Industrial	0	281	886	54	1215	2436
13	Marine Artisanal	0	1990	3450	3367	31573	40380
	Marine Total	0	2271	4336	3421	32788	42816
	COUNTRY TOTAL	**57237**	**67046**	**12343**	**5984**	**98671**	**241281**
	Annual Growth Rate (%)	***–1.01***	***2.38***	***5.54***	***–3.76***	***0.04***	***0.59***

Table 3.27. Annual Fish Production of Pen Culture in 2019-20

District	Area (Ha)	Production (MT)	MT/Ha	District	Area (Ha)	Production (MT)	MT/Ha
Dhaka	933	1005	*1.08*	Dinajpur	0	0	0
Faridpur	591	1171	*1.98*	Gaibandha	19	37	1.95
Gazipur	384	901	*2.34*	Kurigram	95	152	1.60
Gopalganj	2082	3600	*1.73*	Lalmonirhat	16	24	1.50
Kishoreganj	397	939	*2.37*	Nilphamari	13	25	1.92
Madaripur	741	1293	*1.74*	Panchagarh	3	6	2.01
Manikganj	384	846	*2.20*	Rangpur	19	32	1.72
Munshiganj	77	178	*2.31*	Thakurgaon	5	9	1.71
Narayanganj	459	992	*2.16*	**Rangpur Division**	**170**	**285**	1.68
Narsingdi	34	93	*2.76*	Bogura	20	49	2.43
Rajbari	0	0	*0*	Chapai Nawabganj	88	155	1.76
Shariatpur	32	38	*1.19*	Joypurhat	0	0	0.00
Tangail	3	7	*2.04*	Naogaon	0	0	0
Dhaka Division	**6118**	**11063**	1.81	Natore	0	0	0
Jamalpur	281	723	*2.57*	Pabna	2	4	2.00
Mymensingh	10	19	*1.90*	Rajshahi	0	0	0
Netrakona	48	102	*2.12*	Sirajganj	10.8	19	1.76
Sherpur	0	0	*0*	**Rajshahi Division**	**121**	**227**	1.87
Mymensingh Division	**339**	**844**	*2.49*	Bandarban	0	0	0.00
Bagerhat	0	0	*0*	Brahmanbaria	255	540	2.12
Chuadanga	0	0	*0*	Chandpur	82	174	2.12
Jashore	0	0	*0*	Chattogram			0
Jhenaidah	0	0	*0*	Cumilla	55	76	1.38
Khulna	0	0	*0*	Cox's Bazar	0	0	0
Kushtia	7	13	*2.00*	Feni	1	1	1.00
Magura	0	0	*0*	Khagrachhari	0	0	0
Meherpur	0	0	*0*	Lakshmipur	0	0	0
Narail	0	0	*0*	Noakhali	0	0	0
Satkhira	0	0	*0*	Rangamati	36	46	1.28
Khulna Division	**7**	**13**	*2.00*	**Chattogram Division**	**429**	**837**	1.95
Barguna	8	17	*2.13*	Habiganj	0	0	0
Barishal	0	0	*0*	Moulvibazar	0	0	0
Bhola	0	0	*0*	Sunamganj	10	16	1.62
Jhalokati	55	109	*1.98*	Sylhet	5	9	1.80
Patuakhali	2	5	*2.50*	**Sylhet Division**	**15**	**25**	1.68
Pirojpur	0	0	*0*	**TOTAL**	**7263**	**13425**	1.85
Barishal Division	**65**	**131**	*2.02*				

Table 3.28. Annual Fish Production of Cage Culture in 2019-20

District	No. of Cage	Av. Size (Cubic meter)	Total Area (Cubic Meter)	Production (MT)	District	No. of Cage	Av. Size (Cubic meter)	Total Area (Cubic Meter)	Production (MT)
Dhaka	126	18.58	2341	38.00	Dinajpur	50	18.58	929	18.1
Faridpur	10	18.58	186	2.20	Gaibandha	0	0	0	0
Gazipur	0	0	0	0	Kurigram	344	18.58	6392	148.81
Gopalganj	40	18.58	743	16	Lalmonirhat	20	18.58	372	7.00
Kishoreganj	41	18.58	762	17	Nilphamari	0	0	0	8
Madaripur	604	18.58	11222	242	Panchagarh	0	0	0	0
Manikganj	0	0	0	0	Rangpur	0	0	0	0
Munshiganj	0	0	0	0	Thakurgaon	40	18.58	743	13
Narayanganj	0	0	0	0	**Rangpur Division**	**454**	18.58	**8435**	**195**
Narsingdi	1043	18.58	19379	557	Bogura	24	18.58	446	9
Rajbari	0	0	0	0	C.Nawabganj	64	18.58	1189	27
Shariatpur	20	18.58	372	8	Joypurhat	10	18.58	186	4
Tangail	0	0	0	0	Naogaon	160	18.58	2973	56
Dhaka Division	**1884**	**18.58**	**35005**	**881**	Natore	66	18.58	1226	26
Jamalpur	40	18.58	743	16	Pabna	90	18.58	1672	40
Mymensingh	60	18.58	1115	17	Rajshahi	20	18.58	372	10
Netrakona	0	0	0	0	Sirajganj	2045	18.58	37996	1443
Sherpur	0	0	0	0	**Rajshahi Division**	**2479**	18.58	**46060**	**1615**
Mymensingh Division	**100**	**18.58**	**1858**	**33**	Bandarban	0	0	0	0
Bagerhat	0	0	0	0	Brahmanbaria	280	18.58	5202	165
Chuadanga	25	18.58	465	8	Chandpur	2440	18.58	45335	999
Jashore	10	18.58	186	3	Chattogram	0	0	0	0
Jhenaidah	0	0	0	0	Cumilla	90	18.58	1672	46
Khulna	0	0	0	0	Cox's Bazar	0	0	0	0
Kushtia	170	18.58	3159	64	Feni	140	18.58	2601	35
Magura	0	0	0	0	Khagrachhari	0	0	0	0
Meherpur	70	18.58	1301	27	Lakshmipur	220	18.58	4088	69
Narail	0	0	0	0	Noakhali	0	0	0	0
Satkhira	0	0	0	0	Rangamati	268	18.58	4979	65
Khulna Division	**275**	**18.58**	**5111**	**102**	**Chattogram Division**	**3438**	18.58	**63878**	**1379**
Barguna	210	18.58	3902	84	Habiganj	0	0	0	0
Barishal	248	18.58	4608	45	Moulvibazar	20	18.58	372	1.5
Bhola	300	18.58	5574	164	Sunamgonj	0	0	0	0
Jhalokati	20	18.58	372	6	Sylhet	105	18.58	1951	43
Patuakhali	60	18.58	1115	16	**Sylhet Division**	**125**	18.58	**2323**	**45**
Pirojpur	53	18.58	985	26	**TOTAL**	**9646**	18.58	**179223**	**4590**
Barishal Division	**891**	**18.58**	**16556**	**341**					

Note : Depth of cage culture is 1.00 meter on an average.

Table 3.29. Species-wise Fish Production of Cage and Pen Culture in 2019-20

SL. No.	Species	Cage Culture		Pen Culture	
		Production (MT)	%	Production (MT)	%
1	Rui	0	0	1849	*13.77*
2	Catla	0	0	1288	*9.59*
3	Mrigal	0	0	1179	*8.78*
4	Kalibaus	0	0	146	*1.09*
5	Bata	0	0	319	*2.38*
6	Ghania	0	0	177	*1.32*
7	Silver carp	0	0	1003	*7.47*
8	Grass carp	0	0	327	*2.44*
9	Mirror/Common carp	0	0	292	*2.18*
10	Other Exotic carp	0	0	212	*1.58*
11	Pangas	0	0	345	*2.57*
12	Boal/Air	0	0	51	*0.38*
13	Shol/Gazar/Taki	0	0	47	*0.35*
14	Koi	0	0	18	*0.13*
15	Shingi/Magur	0	0	9	*0.07*
16	Big Shrimp/Prawn	0	0	0	*0.00*
17	Small Shrimp/Prawn	0	0	88	*0.66*
18	Tilapia/Nilotica	4590	100	3261	*24.29*
19	Sarpunti/Thai punti	0	0	1440	*10.73*
20	Cuchia	0	0	13	*0.10*
21	Other Inland Fish	0	0	1361	*10.14*
	TOTAL	**4590**	***100***	**13425**	*100*

Table 3.30. Annual Catch of Cuchia in 2019-20

District	Production (MT)				District	Production (MT)		
	Culture	Capture	Total			Culture	Capture	Total
Dhaka	1	42	43		Dinajpur	1	41	42
Faridpur	9	233	242		Gaibandha	1	125	126
Gazipur	1	237	238		Kurigram	1	236	237
Gopalganj	55	502	557		Lalmonirhat	0	5	5
Kishoreganj	7	344	351		Nilphamari	0	7	7
Madaripur	8	297	305		Panchagarh	5	1	6
Manikganj	2	97	99		Rangpur	2	209	211
Munshiganj	3	131	134		Thakurgaon	10	16	26
Narayanganj	2	110	112		**Rangpur Division**	**20**	**640**	**660**
Narsingdi	5	232	237		Bogura	4	281	285
Rajbari	13	101	114		C.Nawabganj	1	13	14
Shariatpur	2	73	75		Joypurhat	2	71	73
Tangail	2	114	116		Naogaon	5	121	126
Dhaka Division	**110**	**2513**	**2623**		Natore	4	229	233
Jamalpur	1	52	53		Pabna	6	468	474
Mymensingh	7	226	233		Rajshahi	2	59	61
Netrakona	10	348	358		Sirajganj	5	507	512
Sherpur	3	37	40		**Rajshahi Division**	**29**	**1749**	**1778**
Mymensingh Division	**21**	**663**	**684**		Bandarban	3	8	11
Bagerhat	125	180	305		Brahmanbaria	1	67	68
Chuadanga	2	43	45		Chandpur	6	226	232
Jashore	10	46	56		Chattogram	30	88	118
Jhenaidah	4	50	54		Cumilla	40	270	310
Khulna	70	230	300		Cox's Bazar	45	50	95
Kushtia	5	119	124		Feni	25	87	112
Magura	1	22	23		Khagrachhari	2	8	10
Meherpur	1	6	7		Lakshmipur	1	21	22
Narail	2	11	13		Noakhali	35	207	242
Satkhira	150	183	333		Rangamati	2	12	14
Khulna Division	**370**	**890**	**1260**		**Chattogram Division**	**190**	**1044**	**1234**
Barguna	25	191	216		Habiganj	15	875	890
Barishal	85	641	726		Moulvibazar	35	198	233
Bhola	270	1099	1369		Sunamgonj	15	588	603
Jhalokati	12	143	155		Sylhet	7	467	474
Patuakhali	30	325	355		**Sylhet Division**	**72**	**2128**	**2200**
Pirojpur	40	124	164		**TOTAL**	**1274**	**12150**	**13424**
Barishal Division	**462**	**2523**	**2985**					

Table 3.31. Annual Catch of Hilsa in Inland and Marine Fisheries in 2019-20

[Unit : Metric Ton]

District	Principal River						Other River	Sudar bans	Inland Total	Marine Total	Country Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra					
Dhaka	0	0	96	0	0	0	0	0	96	0	96
Faridpur	0	0	364	0	0	0	0	0	364	0	364
Gazipur	0	0	0	0	0	0	0	0	0	0	0
Gopalganj	0	0	0	0	0	0	8		8	0	8
Kishoreganj	0	165	0	0	0	0	0	0	165	0	165
Madaripur	0	0	202	0	0	0	0	0	202	0	202
Manikganj	0	0	1150	0	0	0	0	0	1150	0	1150
Munshiganj	0	401	711	0	0	0	0	0	1112	0	1112
Narayanganj	0	107	0	0	0	0	0	0	107	0	107
Narsingdi	0	206	0	0	0	0	0	0	206	0	206
Rajbari	0	0	526	304	0	0	0	0	830	0	830
Shariatpur	1591	0	2903	0	0	0	0	0	4494	0	4494
Tangail	0	0	0	0	155	0	0	0	155	0	155
Dhaka Division	**1591**	**879**	**5952**	**304**	**155**	**0**	**8**	**0**	**8889**	**0**	**8889**
Jamalpur	0	0	0	0	79	5	0	0	84	0	84
Mymensingh	0	0	0	0	0	0	0	0	0	0	0
Netrakona	0	0	0	0			0	0	0	0	0
Sherpur	0	0	0	0	0	0	0	0	0	0	0
Mymensingh Division	**0**	**0**	**0**	**0**	**79**	**5**	**0**	**0**	**84**	**0**	**84**
Bagerhat	0	0	0	0	0	0	841	129	970	964	1934
Chuadanga	0	0	0	0	0	0	0	0	0	0	0
Jashore	0	0	0	0	0	0	0	0	0	0	0
Jhenaidah	0	0	0	0	0	0	0	0	0	0	0
Khulna	0	0	0	0	0	0	1070	371	1441	799	2240
Kushtia	0	0	0	7		0	0	0	7	0	7
Magura	0	0	0	0	0	0	0	0	0	0	0
Meherpur	0	0	0	0	0	0	0	0	0	0	0
Narail	0	0	0	0	0	0	3	0	3	0	3
Satkhira	0	0	0	0	0	0	0	390	390	0	390
Khulna Division	**0**	**0**	**0**	**7**	**0**	**0**	**1914**	**890**	**2811**	**1763**	**4574**
Barguna	0	0	0	0	0	0	5151	0	5151	68230	73381
Barishal	34289	0	0	0	0	0	2507	0	36796	1722	38518
Bhola	82358	0	0	0	0	0	3058	0	85416	85852	171268
Jhalokati	0	0	0	0	0	0	1100	0	1100	0	1100
Patuakhali	0	0	0	0	0	0	30122	0	30122	40288	70410
Pirojpur	0	0	0	0	0	0	1470	0	1470	1780	3250
Barishal Division	**116647**	**0**	**0**	**0**	**0**	**0**	**43408**	**0**	**160055**	**197872**	**357927**

[unit : Metric Ton]

District	Principal River						Other River	Sundar Bans	Inland Total	Marine Total	Country Total
	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra					
Dinajpur	0	0	0	0	0	0	0	0	0	0	**0**
Gaibandha	0	0	0	0	6	7	0	0	13	0	**13**
Kurigram	0	0	0	0	0	313	0	0	313	0	**313**
Lalmonirhat	0	0	0	0	0	0	0	0	0	0	**0**
Nilphamari	0	0	0	0	0	0	0	0	0	0	**0**
Panchagarh	0	0	0	0	0	0	0	0	0	0	**0**
Rangpur	0	0	0	0	0	0	0	0	0	0	**0**
Thakurgaon	0	0	0	0	0	0	0	0	0	0	**0**
Rangpur Division	**0**	**0**	**0**	**0**	**6**	**320**	**0**	**0**	**326**	**0**	**326**
Bogura	0	0	0	0	4	0	0	0	4	0	**4**
Chapai Nawabganj	0	0	0	19	0	0	0	0	19	0	**19**
Joypurhat	0	0	0	0	0	0	0	0	0	0	**0**
Naogaon	0	0	0	0	0	0	0	0	0	0	**0**
Natore	0	0	0	13	0	0	0	0	13	0	**13**
Pabna	0	0	0	79	41	0	0	0	120	0	**120**
Rajshahi	0	0	0	182	0	0	0	0	182	0	**182**
Sirajganj	0	0	0	0	397	0	0	0	397	0	**397**
Rajshahi Division	**0**	**0**	**0**	**293**	**442**	**0**	**0**	**0**	**735**	**0**	**735**
Bandarban	0	0	0	0	0	0	0	0	0	0	**0**
Brahmanbaria	0	232	0	0	0	0	0	0	232	0	**232**
Chandpur	30910	0	0	0	0	0	2825	0	33735	0	**33735**
Chattogram	0	0	0	0	0	0	6706	0	6706	52096	**58802**
Cumilla	0	0	0	0	0	0	0	0	0	0	**0**
Cox's Bazar	0	0	0	0	0	0	2336	0	2336	36978	**39314**
Feni	0	0	0	0	0	0	60	0	60	13	**73**
Khagrachhari	0	0	0	0	0	0	0	0	0	0	**0**
Lakshmipur	20212	0	0	0	0	0	168	0	20380	3408	**23788**
Noakhali	9440	0	0	0	0	0	61	0	9501	12436	**21937**
Rangamati	0	0	0	0	0	0	0	0	0	0	**0**
Chattogram Division	**60562**	**232**	**0**	**0**	**0**	**0**	**12156**	**0**	**72950**	**104931**	**177881**
Habiganj	0	0	0	0	0	0	0	0	0	0	**0**
Moulvibazar	0	0	0	0	0	0	1	0	1	0	**1**
Sunamganj	0	0	0	0	0	0	5	0	5	0	**5**
Sylhet	0	0	0	0	0	0	6	0	6	0	**6**
Sylhet Division	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**12**	**0**	**12**
TOTAL	**178800**	**1111**	**5952**	**604**	**682**	**325**	**57498**	**890**	**245862**	**304566**	**550428**
%	*32.48*	*0.20*	*1.08*	*0.11*	*0.12*	*0.06*	*10.45*	*0.16*	*44.67*	*55.33*	***100***

[Unit : Metric Ton]

Sector	2019-20			2018-19	
	Production	Production Increase	*Growth Rate (%)*	Production	*Growth Rate (%)*
River	244972	3155	***1.30***	241817	***4.20***
Sundarbans	890	228	***34.44***	662	***4.75***
Marine Industrial	9616	-2684	***-21.82***	12300	***11.21***
Marine Artisanal	294950	16934	***6.09***	278016	***1.67***
Total	**550428**	17633	***3.31***	**532795**	***3.02***

Table 3.32. Annual Catch of Marine Fisheries in 2019-20

Type of Fishing	Number of Craft (Trawler/ Boat)	Number of Unit (Gear/Net)	Catch in Metric Ton			
			Shrimp	Hilsa	Other Fish	Total
A. Industrial						
Trawl Fishing						
a) Shrimp Trawler	30	90	1457	0	2749	4206
b) Fish Trawler	190	570	979	9616	100553	111148
TOTAL INDUSTRIAL (A)	***220***	***660***	***2436***	***9616***	***103302***	***115354***
B. Artisanal						
1. Gill Net Fishing						
a) Mechanized	20359	77768	0	269900	69896	*339796*
b) Non-mechanized	16831	40585	0	25050	11589	*36639*
SUB-TOTAL	***37190***	***118353***	***0***	***294950***	***81485***	***376435***
2. Set Bag Net Fishing						
a) Seasonal (MB)	10000	22404	30885	0	115970	146855
b) Seasonal (NMB)	5200	10000	6110	0	1335	7445
c) All Seasonal (NMB)	5550	10025	750	0	445	1195
SUB-TOTAL	***20750***	***42429***	***37745***	***0***	***117750***	***155495***
3. Long Line Fishing						
a) Jew Fish Long Line						
i. Mechanized	2500	10191	0	0	17035	17035
ii. Non-mechanized	400	900	0	0	375	375
b) Other Long Line (NMB)	325	772	0	0	140	140
SUB-TOTAL	***3225***	***11863***	***0***	***0***	***17550***	***17550***
4. Trammel Net Fishing (NMB)	131	422	950	0	2265	3215
5. Other Gears Fishing (NMB)	6373	15640	1685	0	1370	3055
TOTAL ARTISANAL (B)	**67669**	**188707**	**40380**	**294950**	**220420**	**555750**
GRAND TOTAL (A+B)	**67889**	**189367**	**42816**	**304566**	**323722**	**671104**

- Annual ***Growth Rate:1.70% , (Hilsa : 4.91%; Shrimp : 0.16% and other species : -0.96%)***
- Annual ***Growth Rate (Industrial) : 7.57%; Growth Rate (Artisanal) : 0.56%***

Trawler		Boat		Gear	
Type	**Number**	**Type**	**Number**	**Type**	**Number**
Shrimp Trawler	30	**MB** *(Mechanized Boat)*	32859	Gill Net	118353
Fish Trawler	190	**NMB** *(Non-Mechanized Boat)*	34810	Set Bag Net	42429
				Long Line	11863
				Trammel Net	422
				Other Gear	15640
Total	**220**		**67669**		**188707**

Table 3.33. Species-wise Catch of Marine Fisheries in 2019-20

[Unit : Metric Ton]

Type of Fishing	Shrimp (A)	Hilsa (B)	Other Species									Grand Total (A+B+C)
			Sardine	Bombay Duck	Indian Salmon	Pom fret	Jew Fish	Cat Fish	Shark/ Skate/ Ray	Other Marine Fish	Total (C)	
A.Industrial												
Trawl Fishing	**2436**	**9616**	16154	6494	0	1205	6271	5223	602	67353	103302	**115354**
B. Artisanal												
1.Gill Net Fishing												
a)Mechanized	0	269900	650	5900	135	2320	25650	2375	1458	30408	68896	**338796**
b) Non- mechanized	0	25050	0	100	0	110	1755	70	18	9536	11589	**36639**
SUB-TOTAL	**0**	**294950**	**650**	**6000**	**135**	**2430**	**27405**	**2445**	**1476**	**39944**	**80485**	**375435**
2. Set Bag Net Fishing												
a) Seasonal	36995	0	10	57820	0	6345	3255	55	85	50735	118305	**155300**
b) All Seasonal	750	0	0	155	0	43	0	12	10	225	445	**1195**
SUB-TOTAL	**37745**	**0**	**10**	**57975**	**0**	**6388**	**3255**	**67**	**95**	**50960**	**118750**	**156495**
3. Long Line Fishing												
a) Jew Fish Long Line												
i. Mechanized	0	0	0	0	28	0	3497	5223	1163	7124	17035	**17035**
ii. Non-mechanized	0	0	0	0	14	0	132	88	25	116	375	**375**
b) Other LongLine	0	0	0	0	0	0	48	34	12	46	140	**140**
SUB-TOTAL	**0**	**0**	**0**	**0**	**42**	**0**	**3677**	**5345**	**1200**	**7286**	**17550**	**17550**
4. Trammel Net Fishing	950	0	0	45	0	0	745	330	0	1145	2265	**3215**
5. Other Gears' Fishing	1685	0	0	235	0	0	590	200	0	345	1370	**3055**
TOTAL ARTISANAL	**40380**	**294950**	**660**	**64255**	**177**	**8818**	**35672**	**8387**	**2771**	**99680**	**220420**	**555750**
GRAND TOTAL (Industrial + Artisanal)	**42816**	**304566**	**16814**	**70749**	**177**	**10023**	**41943**	**13610**	**3373**	**167033**	**323722**	**671104**
%	***6.38***	***45.38***	***2.51***	***10.54***	***0.03***	***1.49***	***6.25***	***2.03***	***0.50***	***24.89***	***48.24***	***100.00***

Species-wise Annual Shrimp Catch in Marine Fisheries

Sector	Bagda (Tiger)	Harina (Brown)	Chaka (White)	Others	Total	Growth Rate (%)
Trawl Fishing	281	886	54	1215	**2436**	*-10.87*
Artisanal Fishing	1990	3450	3367	31573	**40380**	*0.91*
Total	**2271**	**4336**	**3421**	**32788**	**42816**	***0.16***

Table 3.34. Annual Carp Hatchling Production in 2020

Source of Production	No. of Hatchery	Hatchling Production (Kg)	%
1) **Natural**			
Jamuna River	-	1087	-
Padma River	-	825	-
Arialkha River	-	95	-
Brahmaputra River	-	59	-
Garai/Madhumati River	-	146	-
Surma	-	0	-
Halda River	-	394	-
Natural Total		**2606**	**0.39**
2) **Artificial**			
Govt. Hatchery	103	15411	*2.31*
Private Hatchery	963	648486	*97.30*
Artificial Total	**1066**	**663897**	***99.61***
COUNTRY TOTAL	**1066**	**666503**	*100*

Note: ***Hatchling of 4-5 days old. Growth rate of Natural Hatchling is 4.41 and Artificial is (-) 0.02%***

Table 3.35. Annual PL (Post Larve) Production in 2020

Source of Production	Galda Hatchery		Bagda Hatchery		Total	
	No. of Hatchery	PL Production (Crore)	No. of Hatchery	PL Production (Crore)	No. of Hatchery	PL Production (Crore)
Govt. Hatchery	27	0.4	0	0	27	0.40
Private Hatchery	6	1.96	43	792.952	49	794.91
T O T A L	**33**	**2.36**	**43**	**792.952**	**76**	**795.31**

Note: No. of Hatchery mentioned which is under operation only.

Table 3.36. Hatchling Production of Govt. Hatchery in 2020

Name/Location of Hatchery	No. of Hatchery	Hatchling Production (Kg)									Tilapia Juvenile (lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total	
Division-wised Fish Seed Multiplication Farm											
1. Dhaka	13	1167	268	0	47	32	0	0	0	1513	1.50
2. Mymensingh	9	1282	263	5	210	120	0	2	0	1882	0.00
3. Khulna	14	2631	0	0	0	0	0	2	0	2633	0.00
4. Barishal	9	527	52	30	5	0	0	5	0	619	0.00
5. Rangpur	16	1146	745	0	73	121	0	0	1	2086	1.20
6. Rajshahi	17	1563	822	37	61	301	0	10	140	2934	1.65
7. Chattogram	18	1710	418	0	201	57	0	0	0	2386	2.80
8. Sylhet	6	699	91	0	135	11	0	0	25	960	0.00
T O T A L	**102**	**10725**	**2658**	**72**	**731**	**642**	**0**	**19**	**166**	**15013**	**10.15**
BFRI, Mymensingh	1	270	45	10	63	0	9	0	1	398	0
COUNTRY TOTAL	**103**	**10995**	**2703**	**82**	**794**	**642**	**9**	**19**	**167**	**15411**	**10.15**

Table 3.37. Hatchling Production of Private Hatchery in 2020

Division	No. of Hatchery	Hatchling Production (Kg)									Tilapia Juvenile (lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total	
1. Dhaka	42	12516	4805	25	2186	2980	677	450	570	**24209**	255
2. Mymensingh	328	60381	54118	6850	14101	2711	6357	26917	20314	**191749**	4879
3. Khulna	97	39390.5	36793	4761	1997	1866	1092	462	4551	**90913**	2258
4. Barishal	35	11609	5764	320	2859	260	355	450	2267	**23884**	194
5. Rangpur	94	26774	28106	0	4859	10048	428	1905	1300	**73420**	225
6. Rajshahi	177	59521	55704	12646	5654	13504	2354	9072	16084	**174539**	19000
7. Chattogram	166	33999	12938	6614	1747	777	232	131	4829	**61267**	2771
8. Sylhet	24	4322	3164	30	636.12	241	25	0	88	**8506**	1843
T O T A L	**963**	**248513**	**201392**	**31246**	**34039**	**32387**	**11520**	**39387**	**50003**	**648486**	**31426**

Note : *(1) About four lakh hatchlings contain in one kg spawn and one kg contains 1000-1200 Tilapia juvenile.*

(2) ***Other Species:*** **Ghania, *Chital, Gulsa, Pabda, etc.***

(3) No. of Hatchery mentioned which is under operation only.

Table 3.38. District-wise Annual Production of Hatchlings of Private Hatchery in 2020

District	No. of Hatchery	Hatchling Production in Kg									Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shing/ Magur	Other	Total	
Dhaka	5	2545	1120	0	350	685	5	0	65	4770	105
Faridpur	2	647	438	0	180	515	0	0	10	1790	
Gazipur	3	380	345	0	70	40	0	0	25	860	141
Gopalganj	1	955	400	0	35	10	0	0	0	1400	
Kishoreganj	9	2980	1269	25	738	35	100	0	70	5217	6
Madaripur	1	320	150	0	40	50	0	0	0	560	0
Manikganj	1	655	100	0	85	330	0	0	40	1210	0
Munshiganj	2	1830	20	0	175	155	0	0	120	2300	0
Narayanganj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	8	260	60	0	100	0	572	260	73	1325	0.84
Rajbari	3	595	205	0	0	300	0	0	0	1100	0
Shariatpur	1	300	0	0	0	0	0	0	0	300	0
Tangail	6	1049	698	0	413	860	0	190	167	3377	2.52
Dhaka Division	**42**	**12516**	**4805**	**25**	**2186**	**2980**	**677**	**450**	**570**	**24209**	**255**
Jamalpur	11	1298	558	0	198	486	20	55	135	2750	98
Mymensingh	288	57902	53095	6850	13713	2225	5870	23972	17682	181309	4695
Netrakona	21	151	170	0	60	0	467	2880	2487	6215	0
Sherpur	8	1030	295	0	130	0	0	10	10	1475	85.8
Mymensingh Division	**328**	**60381**	**54118**	**6850**	**14101**	**2711**	**6357**	**26917**	**20314**	**191749**	**4878.8**
Bagerhat	3	105	320	0	0	0	0	0	1000	1425	7.0
Chuadanga	1	0	0	0	0	0	0	0	0	0	128
Jashore	42	27799	33573	4741	1115	142	1092	382	2670	71514	214
Jhenaidah	1	50	58	0	0	0	0	0	0	108	0
Khulna	4	5630	0	0	408	486	0	0	315	6839	95
Kushtia	16	3664	1754	0	309	967	0	80	445	7219	26
Magura	2	20.5	29	0	0	0	0	0	3	52.5	102
Meherpur	2	390	277	0	45	140	0	0	23	875	0
Narail	1	480	200	0	50	60	0	0	0	790	0
Satkhira	25	1252	582	20	70	71	0	0	95	2090	1686
Khulna Division	**97**	**39390.5**	**36793**	**4761**	**1997**	**1866**	**1092**	**462**	**4551**	**90912.5**	**2258**
Barguna	4	0	0	0	0	0	25	0	1800	1825	126
Barishal	13	3847	2194	0	1015	260	200	250	62	7828	15.2
Bhola	8	4212	1795	120	372	0	30	0	380	6909	5
Jhalokati	1	300	275	0	22	0	0	0	0	597	0
Patuakhali	8	3250	1500	200	1450	0	100	200	0	6700	45
Pirozpur	1	0	0	0	0	0	0	0	25	25	3
Barishal Division	**35**	**11609**	**5764**	**320**	**2859**	**260**	**355**	**450**	**2267**	**23884**	**194**

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District	No. of Hatchery	Hatchling Production (Kg)									Tilapia Juvenile (lakh)
		Major Carp	Exotic Carp	Pangas	Thai Punti	Bata	Koi	Shingi/ Magur	Other	Total	
Dinajpur	11	2045	2395	0	245	400	0	30	25	5140	20
Gaibandha	17	3565	3855	0	195	2210	140	450	290	10705	60
Kurigram	15	3855	4145	0	635	1765	10	0	481	10891	37
Lalmonirhat	14	4440	4046	0	1760	2806	165	0	0	13217	0
Nilphamari	9	4754	5803	0	445	430	0	0	0	11432	0
Panchagarh	2	290	620	0	110	120	0	0	0	1140	0
Rangpur	20	4275	4622	0	1234	2175	113	1425	504	14348	108.7
Thakurgaon	6	3550	2620	0	235	141.5	0	0	0	6547	0
Rangpur Division	**94**	**26774**	**28106**	**0**	**4859**	**10048**	**428**	**1905**	**1300**	**73420**	**225**
Bogura	105	35503	35589	9861	3714	8156	2311	7436	13478	116048	19000
Chapai Nawabganj	3	980	640	0	80	0	0	0	0	1700	0
Joypurhat	10	3815	3545	200	515	1210	0	1320	1200	11805	0
Naogaon	25	2955	3346	2585	122	870	43	316	206	10443	0
Natore	7	1380	1190	0	30	250	0	0	0	2850	0
Pabna	8	5420	3375	0	395	975	0	0	1200	11365	0
Rajshahi	12	3671	4169	0	253	780	0	0	0	8873	0
Sirajganj	7	5797	3850	0	545	1263	0	0	0	11455	0
Rajshahi Div	**177**	**59521**	**55704**	**12646**	**5654**	**13504**	**2354**	**9072**	**16084**	**174539**	**19000**
Bandarban	2	1200	0	0	200	0	0	0	0	1400	30
Brahmanbaria	16	4325	1150	995	550	170	0	40	825	8055	1
Chandpur	13	2198	520	55	282	32	0	25	22	3134	452
Chattogram	14	900	0	0	0	0	0	0	0	900	49
Cumilla	63	21456	10319	5299	533	575	232	66	3340	41820	61
Coxes Bazar	19	150	0	0	0	0	0	0	0	150	1231
Feni	14	1839	534	0	97	0	0	0	400	2870	343
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	9	701	170	0	5	0	0	0	0	876	36
Noakhali	16	1230	245	265	80	0	0	0	242	2062	68
Rangamati	0	0	0	0	0	0	0	0	0	0	0
Chattogram Division	**166**	**33999**	**12938**	**6614**	**1747**	**777**	**232**	**131**	**4829**	**61267**	**2271**
Habiganj	6	665	488	0	147	19	25	0	88	1432	125
Moulvibazar	8	2750	2250	0	300	222	0	0	0	5522	969
Sunamganj	6	840	350	30	145.12	0	0	0	0	1365.12	489
Sylhet	4	67	76	0	44	0	0	0	0	187	60
Sylhet Division	**24**	**4322**	**3164**	**30**	**636.12**	**241**	**25**	**0**	**88**	**8506.12**	**1643**
TOTAL	**963**	**248513**	**201392**	**31246**	**34039**	**32387**	**11520**	**39387**	**50003**	**648486**	**30726**
%	**-**	*38.32*	*31.06*	*4.82*	*5.25*	*4.99*	*1.78*	*6.07*	*7.71*	*100.0*	**-**

- Annual Growth Rate of Hatchlings:(-) 0.31%; Growth Rate of Tilapia Juvenile : 34.62%

Table 3.39. Annual Carp Spawn/Fertilized Eggs Collected from Natural Sources in2020

District	Upazila	Collection Centre	Name of River	No. of Saver	No. of People engaged	No. of Net used	No. of Boat used	Collection Period	Frequency of Spawning Time	Spawn Collected (kg)	Sale Rate of spawn Tk/kg
1	2	3	4	5	6	7	8	9	10	11	12
Sirajganj	Sirajganj Sadar	Vatpiary, Panchasona, Hatboyra, Shimla, Soyasekha	Jamuna	45	60	145	15	May to June	2	177	2500
Sirajganj	Shahjadpur	Sonatali, Belotia, Tarotia	Jamuna	10	21	32	10	June to July	3	36	4000
Sirajganj	Chauhali	Khashkaolia, Basotia, Gorjan, Omarpur	Jamuna	7	14	18	7	June to July	2	400	1800
Sirajganj	Belkuchi	Khiramatia, Delua, Thakurpara, Jangalia	Jamuna	22	108	25	25	June to July	3	157	4300
Sirajganj	Kazirpur	Magai, Khudbandi, Shingrabari, Shuvagacha	Jamuna	8	17	162	10	May to June	3	179	2600
Pabna	Bera	Raksha, Nagarbari	Jamuna	6	22	28	4	May to June	2	138	2000
Jamuna Total				***98***	***242***	***410***	***71***	**-**	**-**	**1087**	--
Natore	Lalpur	Lakshmipur, Beelmatia	Padma	-	-	-	-	May to June	-	0	0
Pabna	Ishwardi	Kamarpur, Sharagat, dadapur	Padma	5	18	11	3	June to Aug	2	117	2000
Rajshahi	Ghudaghari	Alipur, Chakpara, Kharijagati	Padma	7	60	35	7	July to Aug	2	135	4000
Rajshahi	Paba	Berpara, Shyampur, Char Khidirpur, Talaimari	Padma	16	32	140	10	June to Aug	5	53	3500
Rajshahi	Chargat	Tangon Shapur, Yousofpur, Raotha, Chargatbridge, Mongli	Padma, Baral	40	70	30	30	June to Aug	2	250	3000
Rajshahi	Bagha	Sharerhat, Alaipur, Morshidpur, Mirgonj	Padma	10	85	50	10	May to June	4	190	3500
Faridpur	Faridpur Sadar	North Channel, Decreer Char, C&B ghat	Padma	5	15	40	8	May to June	2	80	1650
Padma Total				***83***	***280***	***306***	***68***		**-**	**825**	--
Faridpur	Sadarpur	Karalcandi, Char Valashia, Chandrapara, Chudhurihat	Arial Kha	5	20	45	6	June to July	2	95	1660
Arialkha Total				***5***	***20***	***45***	***6***	**-**	**-**	**95**	--
Faridpur	Modhukhali	Gharai Nodi	Gharai/ Modhumati	9	22	50	9	June to Aug	2	55	1650
Magura	Sreepur	Modhumati	Gharai Nodi	4	8	4	2	July to Aug	1	29	2700
Magura	Mohammadpur	Naderchad ghat, Kumarpur, Alanbari, Babukhali	Modhumati	9	18	9	3	July to Aug	1	62	2700
Magura	Magura Sadar	Kalinagar ghat, Ghayshpur ghat	Modhumati								
Gharai, Modhumati Total				***22***	***48***	***63***	***14***	**-**	**-**	**146**	--
Sylhet	Golapgonj	Hajipur	Surma	-	-	-	-	-	-	-	-
Surma Total				**-**	**-**	**-**	**-**	**-**	-	-	-
Gaibandha	Shagatta	Munshir hat	Brahmaputra	5	25	14	2	July	1	34	1500
Gaibandha	Fulchari	3rd Ghat, Rasulpur	Brahmaputra	4	20	12	2	July	1	25	1500
BrahmaputraTotal				***9***	***45***	***26***	***4***			**59**	--
Chattogram	Hathazari	Katakhalighona, Mardarsha, Masuagona,	Halda	100	391	178	178	May to June	2	285	4300
Chattogram	Rawzan	Khalifarghona, Ramdashat, Keraltalir Bak	Halda	67	225	102	102	May to June	2	109	4300
Halda Total				***167***	***616***	***280***	***280***			***394***	--
COUNTRY TOTAL				**384**	**1251**	**1130**	**443**			**2606**	--

Table 3.40. Year-wise Annual Export of Fish and Fish Product (*2002-03 to 2019-20*)

Quantity in Metric Ton ***Value in* Crore *Taka*** ***1 US Dollar = 80.59 Taka***

Year	Frozen Shrimp/ Prawn		Live Fish		Frozen Fish		Chilled Fish		Dry fish		Salted/ Dehydrated fish		Crab		Shark fin/ Fish Maws		Others		Total		% of Total Export (Value)
	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	
2002-03	36864	1719.9	-	-	8846	158.64	-	-	333	7.02	526	19.12	630	14.58	172	22.35	-	-	47371	1941.59	5.10
2003-04	42943	2152.8	-	-	10229	202.24	-	-	472	4.16	377	1.38	116	1.39	4	1.53	-	-	54141	2363.47	5.71
2004-05	46533	2281.6	-	-	15763	256.2	-	-	272	3.71	770	28.97	38	0.86	1	0.39	-	-	63377	2571.72	5.90
2005-06	49317	2698.4	57	0.48	17429	294.14	-	-	150	2.19	591	19.84	1107	12.95	78	0.80	100	1.09	68829	3029.84	4.56
2006-07	53361	2992.3	4	0.07	18376	325.9	-	-	77	1.34	441	12.80	1123	15.48	244	4.11	78	0.86	73704	3352.89	4.90
2007-08	49907	2863.9	10	0.15	23515	495.46	-	-	210	2.67	658	26.97	439	4.88	266	1.82	294	0.41	75299	3396.28	4.04
2008-09	50368	2744.1	0.30	0.006	19294	450.89	-	-	341	11.99	84	3.92	1217	11.98	276	1.77	1308	18.73	72888	3243.41	3.00
2009-10	51599	2885.2	1783	13.22	21464	458.11	-	-	622	25.06	0	0.00	692	10.41	955	12.66	528	3.85	77643	3408.52	2.74
2010-11	54891	3568.2	0.60	0.045	16743	490.00	16369	421.05	623	5.57	577	30.86	4485	54.11	0	0.00	2780	33.97	96469	4603.83	2.73
2011-12	48007	3640.2	0.46	0.04	15513	396.18	19026	520.74	996	9.43	411	27.46	5767	95.77	0	0.00	2758	14.14	92479	4703.94	2.46
2012-13	50333	3376.2	0.00	0.00	11435	316.36	11831	246.86	1278	36.03	0	0.00	7428	169.49	1	0.09	2599	13.93	84905	4158.97	2.01
2013-14	47635	4118.8	0.00	0.00	11677	337.11	5021	89.07	2634	29.67	261	21.65	7707	164.75	0	0.00	2393	15.89	77328	4776.92	2.09
2014-15	44278	3937.60	0.00	0.00	10656	277.63	11629	177.08	2845	36.74	261	25.37	12558	199.38	0	0.00	1297	6.81	83524	4660.60	1.92
2015-16	40726	3598.67	12454	184.28	11133	273.76	7428	163.52	2229	30.12	249	21.03	106	7.09	0	0.00	1013	4.35	75338	4282.82	1.97
2016-17	39705.85	3682.26	12685.98	204.48	8281.23	236.65	4123.55	94.99	2296.69	30.19	206.9	18.57	196.52	15.77	0.16	0.08	808.80	4.65	68305.68	4287.64	1.51
2017-18	36167.77	3527.07	11246.41	202.64	8265.26	276.29	8889.85	214.80	3143.93	42.59	213.62	26.60	188.92	14.89	0.50	0.12	819.46	4.96	68935.72	4309.94	1.50
2018-19	33362.52	3088.85	14592.29	293.69	9742.28	306.99	10364.15	262.04	2339.63	32.95	165.98	18.59	470.23	44.88	2134.23	26.54	0	0	73171.31	4074.53*	1.23
2019-20	30036.18	2948.94	11827	254.3	10008.7	321.76	11906.82	303.25	4141.49	54.21	139.4	15.43	589.50	57.85	2296	29.39	0	0	70945.39	3985.15	1.39

Source: EPB (Export Promotion Bureau) and FIQC (Fish Inspection and Quality Control), Department of Fisheries.Note: Chilled fish wasincluded in the column of frozenfish before the year 2010-11. Live fish (2015-16) is live Cuchia. Crab–589.50 MT & Value-57.85 crore taka and Cuchia–11827.32 MT &Value-254.32 crore taka; *4250.31 crore taka (as per EPB data).

Exported Frozen Shrimp/ Prawn in 2019-20

	Export Amount (MT)	Export Value (Crore Taka)
Galda	5117.75	766.24
Bagda	21863.01	1988.56
Others	3055.43	194.14
Total	**30036.18**	**2948.94**

Table 3.41. District wise Total Dry Fish Production of Inland and Marine Fisheries in 2019-20

[Unit: Metric Ton]

No	District	River	Beel	Kaptai Lake	Flood-plain	Haor	Pond	Seasonal culturaed waterbody	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Inland Total	Marine	Total
1	Dhaka	0	1	0	1.5	0	0	0	0	0	0	0	2.5	0	2.50
2	Faridpur	1	14	0	10	0	0	0	0	0	0	0	25	0	25.00
3	Gazipur	0	5	0	0	0	0	0	0	0	0	0	5	0	5.00
4	Gopalganj	2.32	20	0	9.68	0	0	0	0	0	11	0	43	0	43.00
5	Kishoreganj	119	301.00	0	143.00	282	2.50	2.25	0	0	0	0	849.75	0	849.75
6	Madaripur	0	12.82	0	1.18	0	0	0	0	0	0	0	14	0	14.0
7	Manikganj	0	3	0	2.5	0	0	1	0	0	0	0	6.5	0	6.5
8	Munshiganj	1	6	0	18	0	0	0	0	0	0	0	25	0	25.0
9	Narayanganj	5	10	0	0	0	0	0	0	0	0	0	15	0	15.0
10	Narsingdi	1.5	6	0	5.5	0	0	0	0	0	0	0	13	0	13.0
11	Rajbari	1	10	0	9	0	0	0	1	0	0	0	21	0	21.0
12	Shariatpur	1		0	11	0	0	0	0	0	0	0	12	0	12.0
13	Tangail	0	4	0	6	0	0	0	0	0	0	0	10	0	10.0
Dhaka Div.		**131.8**	**392.8**	**0**	**217.4**	**282**	**2.5**	**3.25**	**1**	**0**	**11**	**0**	**1042**	**0**	**1041.75**
14	Jamalpur	0.1	6.19	0	1.21	0	0	0	0	0	0	0	7.50	0	7.50
15	Mymensingh	8.2	68.8	0	36	0	2	0	0	0	0	0	115	0	115
16	Netrakona	50	192	0	66.5	39.3	1.20	1	0	0	0	0	350	0	350.0
17	Sherpur	0	3.5	0	2	0	0	0	0	0	0	0	5.5	0	5.5
Mymensingh Div.		**58.3**	**270.5**	**0**	**105.71**	**39.3**	**3.2**	**1**	**0**	**0**	**0**	**0**	**478**	**0**	**478**
18	Bagerhat	8155	0	0	0	0	0	0	0	0	0	0	8155	0	8155
19	Chuadanga	0	10	0	1.5	0	0	0	0	0	0	0	11.5	0	11.5
20	Jashore	0	14	0	8	0	0	0	0	0	0	0	22	0	22
21	Jhenaidah	0.5	5.5	0	2	0	0	0	3	0	0	0	11	0	11
22	Khulna	175	0	0	0	0	0	0	0	0	0	0	175	0	175
23	Kushtia	11.5	0.5	0	1	0	0	0	0	0	0	0	13	0	13
24	Magura	1	0.5	0	9.5	0	0	0	0	0	0	0	11	0	11
25	Meherpur	7.5	0.5	0	0	0	0	0	0	0	0	0	8	0	8
26	Narail	123	0	0	0	0	0	0	0	0	0	0	123	0	123
27	Satkhira	0	0	0	0	0	0	0	0	0	0	0	0	175	175
Khulna Div.		**8474**	**31**	**0**	**22**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**8530**	**175**	**8705**
28	Barguna	0	0	0	0	0	0	0	0	0	0	0	0	310.0	310
29	Barishal	3	4	0	12	0	0	1	0	0	0	0	20	5	25
30	Bhola	321	0	0	0	0	0	0	0	0	0	0	321	102	423
31	Jhalokati	5	0	0	0	0	0	0	0	0	0	0	5	0	5
32	Patuakhali	0	0	0	0	0	0	0	0	0	0	0	0	332	332
33	Pirojpur	0	0	0	0	0	0	0	0	0	0	0	0	135	135
Barishal Div.		**329**	**4**	**0**	**12**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**346**	**884**	**1230**

Cont'd.....

[Unit: Metric Ton]

No	District	River	Beel	Kaptai Lake	Flood -plain	Haor	Pond	Seasonal culturaed water body	Baor	Shrimp/ Prawn Farm	Pen Culture	Cage Culture	Inland Total	Marine	Total
34	Dinajpur	0	1	0	1	0	0	0	0	0	0	0	2	0	2
35	Gaibandha	5.5	0.5	0	1.5	0	0	0	0	0	0	0	7.5	0	7.5
36	Kurigram	1.5	3	0	5	0	0	0	0	0	0	0	9.5	0	9.5
37	Lalmonirhat	0	1	0	0	0	0	0	0	0	0	0	1	0	1
38	Nilphamari	0	0.5	0	1.5	0	0	0	0	0	0	0	2	0	2
39	Panchagarh	0	0	0	1	0	0	0	0	0	0	0	1	0	1
40	Rangpur	0	1.5	0	2.5	0	0	0	0	0	0	0	4.0	0	4
41	Thakurgaon	0.5	0.5	0	1.5	0	0	0	0	0	0	0	2.5	0	2.5
Rangpur Div.		**7.5**	**8**	**0**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**29.50**	**0**	**29.50**
42	Bogura	0.5	2.5	0	4.5	0	0	0	0	0	0	0	7.5	0	7.5
43	C.Nawabganj	0	1.5	0	0.5	0	0	0	0	0	0	0	2	0	2
44	Joypurhat	1	1.5	0	1	0	0	0	0	0	0	0	3.5	0	3.5
45	Naogaon	15	153	0	44	0	0	0	0	0	0	0	212	0	212
46	Natore	2	98	0	650	0	0	0	0	0	0	0	750	0	750
47	Pabna	3	17	0	95	0	0	0	0	0	0	0	115	0	115
48	Rajshahi	1.81	6.53	0	1.66	0	0	0	0	0	0	0	10	0	10
49	Sirajganj	1	0.5	0	51	0	0	0	0	0	0	0	53	0	53
Rajshahi Div .		**24.31**	**280.5**	**0**	**847.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1153**	**0**	**1153**
50	Bandarban	0.2	0	0	0.3	0	0	0	0	0	0	0	0.5	0	0.5
51	Brahmnbaria	990	510	0	1950	100	0	0	0	0	0	0	3550	0	3550
52	Chandpur	2	0	0	26	0	0	0	0	0	0	0	28	0	28
53	Chattogram	0	0	0	0	0	0	0	0	0	0	0	0	9525	9525
54	Cumilla	0	4	0	61	0	0	0	0	0	0	0	65	0	65
55	Cox's Bazar	0	0	0	0	0	0	0	0	0	0	0	0	31250	31250
56	Feni	0.5	0	0	2.5	0	0	0	0	0	0	0	3	0	3
57	Khagrachhari	0.1	0.2	0	0	0	0	0.2	0	0	0	0	0.5	0	0.5
58	Lakshmipur	17	0	0	0	0	0	0	0	0	0	0	17	0	17
59	Noakhali	0	0	0	0	0	0	0	0	0	0	0	0	88	88
60	Rangamati	0	0	13	0	0	0	0	0	0	0	0	13	0	13
Chattogram Div.		**1010**	**514.2**	**13**	**2040**	**100**	**0**	**0.2**	**0**	**0**	**0**	**0**	**3677**	**40863**	**44540**
61	Habiganj	224	1409	0	435	244	99	25	0	0	17	0	2453	0	2453
62	Moulvibazar	1.5	51	0	174	15.6	1.15	7.93	0	0	0	0	251	0	251
63	Sunamgonj	115.3	1054	0	1159	0	30.5	1	2.1	0	0	0	2361	0	2361
64	Sylhet	0	88	0	133	98	0	0	0	0	0	0	319	0	319
Sylhet Div.		**340.8**	**2602**	**0**	**1901**	**358**	**130.7**	**33.93**	**2.1**	**0**	**17**	**0**	**5384**	**0**	**5384**
GRAND TOTAL		**10375**	**4103**	**13**	**5159**	**778.9**	**136.4**	**39.4**	**6.1**	**0**	**28**	**0**	**20639**	**41922**	**62561**

Table 3.42. Sector-wise Annual Fish Production (2006-07 to 2019-20)

[Unit : Metric Ton]

Year	Capture					Culture							Marine		Total	Growth Rate (%)
	River	Sundar bans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal Cultured waterbody	Baor	Shrimp	Crab	Pen Culture	Cage Culture	Marine Industrial	Marine Artisanal		
2006-07	136958	17751	75137	8085	738673	811954	-	4698	129160	-	-	-	35391	452047	2440011	4.79
2007-08	136812	18151	77524	8248	786515	866049	-	4778	134715	-	-	-	34159	463414	2563296	5.05
2008-09	138160	18462	79200	8590	843671	912178	-	5038	145585	-	-	-	35429	479215	2701370	5.39
2009-10	141148	20437	79209	7336	781807	1140484	46902	8727	155866	-	-	-	34182	483100	2899198	7.32
2010-11	144566	22451	81564	8980	797024	1219736	51230	4864	184939	-	-	-	41665	504668	3061687	5.6
2011-12	145613	21610	85208	8537	696127	1392412	132163	5186	196306	-	-	-	73386	505234	3261782	6.54
2012-13	147264	15945	87902	9017	701330	1446594	200833	6146	206235	-	-	-	73030	515958	3410254	4.55
2013-14	167373	18366	88911	8179	712976	1526160	193303	6514	216447	-	13054	1447	76885	518500	3548115	4.04
2014-15	174878	17580	92678	8645	730210	1613240	201280	7267	223582	-	13070	1969	84846	515000	3684245	3.84
2015-16	178458	16870	95453	9589	747872	1719783	207658	7729	239798	13160	13364	2062	105348	521180	3878324	5.27
2016-17	271639	18086	98117	9982	765782	1833118	215547	8002	246406	14421	13368	2490	108479	528997	4134434	6.6
2017-18	320598	18225	99197	10152	768367	1900298	216353	8072	254367	11787	11015	3523	120087	534600	4276641	3.44
2018-19	325478	18282	99890	10578	781481	1974632	217340	10343	258039	12084	12361	3802	107236	552675	4384221	2.52
2019-20	331793	21007	103104	12696	779801	2046258	225948	10969	270114	12562	13425	4590	115354	555750	4503371	2.72

Note : From 2013-14 a part of Floodplain area is converted into Pen Culture for modern aqua-culture system.

Table 3.43. Species-wise Annual Fish Production (2006-07 to 2019-20)

[Unit : Metric Ton]

Sl. No.	Species/Group	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
1	Major Carp	535492	547652	617761	692597	753572	777005	731662	728695	755074	750880	811588	846397	875624	962049
2	Other Carp	9821	9339	11155	64359	55021	60356	54130	80138	80997	80647	100730	111373	116130	125565
3	Exotic Carp	292961	333452	305938	376006	265375	299494	402490	389642	363737	357933	409801	454078	476761	503224
4	Pangas (Cat Fish)	-	-	-	-	-	-	-	371068	406818	504674	510097	453383	458307	405059
5	Other Cat Fish	58588	85869	117856	208972	221965	288887	360722	81536	64537	65130	66646	68850	69636	69389
6	Snake Head	102686	110460	122093	113989	117577	89351	53305	60282	69305	70106	72991	73358	75147	74368
7	Live Fish	58158	75286	77113	101368	94000	95063	102651	115185	133512	136113	127120	144007	152241	160068
8	Tilapia	-	-	-	-	-	-	-	298062	347801	377346	370017	381215	390559	371263
9	Other Inland fish	643160	643876	646085	575620	710853	763668	835457	524488	542711	568446	598923	554558	562585	592404
10	Hilsa	279189	290000	298921	313753	339845	346512	351223	385140	387211	394951	496417	517198	532795	550428
11	Shrimp/Prawn	221131	223095	244972	186418	239460	252523	228769	223788	230244	234188	246774	247304	239855	241281
12	Crab	-	-	-	-	-	-	-	-	-	13160	14421	11787	12084	12562
13	Sarpunti	-	-	-	-	-	-	-	-	-	-	-	91792	95649	98565
14	Cuchia	-	-	-	-	-	-	-	-	-	-	-	-	-	13424
15	Sardine	-	-	-	-	-	20187	29636	27590	32835	44386	48704	41486	28256	16814
16	Bombay Duck	36009	36980	58263	58464	60750	62817	71745	51673	53950	58545	69230	75085	68101	70749
17	Indian Salmon	969	1040	7733	7733	4521	3030	2445	1960	1020	895	775	487	295	177
18	Pomfret	13061	16728	46643	50245	40478	39537	29693	23355	11437	10593	10686	11899	11004	10023
19	Jew Fish	35214	33803	38414	35514	36639	37929	30600	36170	31826	31894	33768	35427	41600	41943
20	Sea Cat Fish	18131	20534	16515	16722	17193	19700	8594	9719	9476	8695	8424	9455	11455	13610
21	Shark/ Skate / Ray	4790	4767	3933	4794	4205	3865	5017	5648	5093	4622	4495	3974	4274	3373
22	Other Marine Fish	130651	130415	87975	92644	100233	101858	112115	133976	156661	165120	132827	143527	161861	167033
TOTAL		**2440011**	**2563296**	**2701370**	**2899198**	**3061687**	**3261782**	**3410254**	**3548115**	**3684245**	**3878324**	**4134434**	**4276640**	**4384221**	**4503371**

Note- Pangas was included in Group of Cat Fish (SL-5) and Tilapia was included in Group of Other Inland Fish (SL-9) before 2013-14.

Table 3.44. Fish Production Trend (1983-84 to 2019-20)

Sector of Fisheries	Production (MT)									*Growth Rate % (2019-20)*
	1983-84	**1993-94**	**2003-04**	**2013-14**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	***2019-20***	
A. Inland Fisheries										
1. River and Estuary	207766	143425	137337	167373	178458	271639	320598	325478	331793	1.94
2. Sundarbans	7783	7127	15242	18366	16870	18086	18225	18282	21007	14.90
3. Beel	51373	55592	74328	88911	95453	98117	99197	99890	103104	3.22
4. Kaptai Lake	4057	6635	7238	8179	9589	9982	10152	10578	12696	20.03
5. Floodplain	200616	360597	497922	712976	747872	765782	768367	781481	779801	-0.22
Capture Total	**471595**	**573376**	**732067**	**995805**	**1048242**	**1163606**	**1216539**	**1235709**	**1248401**	1.03
6. Pond	107944	222542	795810	1526160	1719783	1833118	1900298	1974632	2046258	3.63
7. Seasonal cultured waterbody	0	0	0	193303	207658	215547	216353	217340	225948	3.96
8. Baor	862	2201	4282	6514	7729	8002	8072	10343	10969	6.05
9. Shrimp/Prawn Farm	8219	39447	114660	216447	239798	246406	254367	258039	270114	4.68
10. Crab	0	0	0	0	13160	14421	11787	12084	12562	3.95
11. Pen Culture	0	0	0	13054	13364	13368	11015	12361	13425	8.61
12. Cage Culture	0	0	0	1447	2062	2490	3523	3802	4590	20.73
Culture Total	**117025**	**264190**	**914752**	**1956925**	**2203554**	**2333352**	**2405415**	**2488601**	**2583866**	3.83
Inland Fisheries Total (A)	**588620**	**837566**	**1646819**	**2952730**	**3251796**	**3496958**	**3621954**	**3724310**	**3832267**	2.90
B. Marine Fisheries										
13. Industrial (Trawler Fishing)	14500	12454	32606	76885	105348	108479	120087	107236	115354	7.57
14. Artisanal	150382	240590	422601	518500	521180	528997	534600	552675	555750	0.56
Marine Fisheries Total (B)	**164882**	**253044**	**455207**	**595385**	**626528**	**637476**	**654687**	**659911**	**671104**	1.70
TOTAL FISH PRODUCTION (A+B)	**753502**	**1090610**	**2102026**	**3548115**	**3878324**	**4134434**	**4276641**	**4384221**	**4503371**	2.72

Annexure - 1

Schedules of Fish Catch Assessment Survey

Fisheries Resources Survey System
Department of Fisheries
Bangladesh

Riverine Fisheries

River-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF RIVER
Number of Fishing Units (Survey Form -1)

1. River----------Code ☐ Date ☐☐☐
2. District----------Code ☐
3. Upazila---------- Name of Officer----------
4. Union----------
5. Village---------- Code ☐

Sl. No.	Name of gear used			Number of fishing units operated			Number of sample fishing units
	Local Name	Type	Code	Local	Immigrant	Total	

Signature and Seal

River-2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF RIVER
Sample Catch Record (Survey Form - 2)

1. River----------Code ☐ **Date** ☐☐☐☐

2. District----------Code ☐

3. Upazila---------- ***Name of Officer***----------

4. Union---------- 5. Village---------- Code ☐

6. Type of gear used---------- Code ☐

7. Number of fishing units operates ☐ 8. Number of sample units ☐

9. Raising Factor **(Fishing unit operated / sample unit) ----------**

Sample catch observed		**1**	**2**	**3**	**4**	**5**	**Total Catch**	**Estimated Total Catch of Sample Village**	**Producer Price in Tk/Kg**
Name of head fisherman									
Number of fishermen on the boat									
Local name of gear used									
Code	Species	Kg	Kg	Kg	Kg	Kg	Kg	Kg	
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghania								
07	Pangas								
08	Boal/Air								
09	Shol/Gazar/Taki								
10	Koi								
11	Shingi/Magur								
12	Sarpunti								
13	Other Inland Fish								
14	Hilsa/Illish								
15	Galda								
16.	Bagda								
17	Harina								
18	Chaka								
19	Other small shrimp/prawn								
Total									

Remarks: Estimated total catch of sample village for sample day = Total Catch × Raising Factor.

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Fisheries Resources Survey System
Department of Fisheries

River-3

CATCH ASSESSMENT SURVEY OF RIVER
Monthly Summary Sheet
(Principal River / Other River)

1. River ----------Code ☐ Month ----------Year----------

2. District ----------Code ☐

3. Upazila ---------- Name of Officer ----------

4. Total Boat of District----------

5. Total Boat of Sample Villages

	Name of Sample Village	No. of Boat of Sample Village
(a)		
(b)		
(c		
(d)		
	Total	

6. District Raising Factor = District Total Boat of the River/Total Boat of Sample Villages ----------

7. District Total Catch for the month = Average Total Catch of Sample Villages × District Raising Factor × Days of the Month/1000 (MT)

Code No.	Name of Species	Average Total Catch for One Day			**District Total Catch for the Month**
		Estimated Total of Sample-1	Estimated Total of Sample-2	Average Total	
		(A)	(B)	(A+B)/2	
		Kg	Kg	Kg	MT
1	Rui				
2	Catla				
3	Mrigal				
4	Kalibaus				
5	Bata				
6	Ghania				
7	Pangas				
8	Boal/Air				
9	Shol/Gazar/Taki				
10	Koi				
11	Shingi/Magur				
12	Sarpunti				
13	Other Inland Fish				
14	Hilsa/Illish				
15	Galda				
16	Bagda				
17	Harina				
18	Chaka				
19	Other small shrimp/prawn				
	Total				

Remarks : A = Estmated total catch for beginning of the month.
B = Estmated total catch for ending of the month.

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River-4

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF RIVER
Yearly Summary Sheet (Principal River / Other River)

1. River---------- Code [ ] Year---------- 2. District—---------- Code [ ] Name of Officer----------

(Figure in Metric Ton)

Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total
01	Rui													
02	Catla													
03	Mrigal													
04	Kalibaus													
05	Bata													
06	Ghania													
07	Pangas													
08	Boal/Air													
09	Shol/Gazar/Taki													
10	Koi													
11	Shingi/Magur													
12	Sarpunti													
13	Other Inland Fish													
14	Hilsa/Illish													
15	Galda													
16	Bagda													
17	Harina													
18	Chaka													
19	Other small shrimp/prawn													
	Total													

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Pond Fisheries

Pond-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

Form P1 : Listing of Ponds

1. District---------- 2. Upazila---------- Date : ----------

3. Union---------- 4. Village ----------Name of Officer----------

Sl. No.	Name of Owner	Location of Pond	Water Area (Ha)	Culture Method				Remarks
				Extensive	Semi-intensive	Intensive	Highly-intensive	
1	2	3	4	5	6	7	8	9

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Pond-2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

IDENTIFICATION AND GENERAL INFORMATION OF POND

1. District---------- 2. Upazila----------

3. Union---------- 4. Village----------

Name of Investigator---------- Date : ----------

5. General Information:

a)	Ownership	Government/ Private/Other Organization
b)	Name of owner	----------
c)	Water area (Ha)	Winter season----------
		Rainy season----------
		Dry season----------
d)	Average Depth (meter)	Winter season----------
		Rainy season----------
		Dry season----------
e)	Embankment Condition	Complete
		Broken
		Opening
f)	Vegetation	Floating vegetation covered----------%
		Sub-merged vegetation covered----------%
g)	Culture Method	Extensive
		Semi-intensive
		Intensive
		Highly-intensive

Note:

Extensive :< *1.5 MT/Ha* Semi-intensive: *1.5-4 MT/Ha*
Intensive :>*4-10 MT/Ha* Highly-intensive: *>10 MT/Ha*

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Pond - 3

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF POND

1. District---------- Code [ ] 2. Upazila---------- 3. Union----------
4. Village ---------- 5. Name of Owner----------
6. Name of Farmer/Operator---------- 7.Water Area---------- (Ha)
8. Average Depth---------- (Meter) 9. Tenure: Owned/Rented
10. Type of Pond : **Extensive/ Semi-intensive/ Intensive/ Highly-intensive Pond**

11. Stocking of Fry

Species	July - December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

12. Fertilizer & Feeding

Item	July - December		January – June		Total Tk.
	Quantity (Kg).	Tk.	Quantity (Kg).	Tk.	
Chemical Fertilizer					
Lime					
Feed					
Total					

13. Other Cost

Item	July - December	January – June	Total Tk.
	Tk.	Tk.	
Management Cost			
Maintenance Cost			
Harvesting Cost			
Rent			
Total			
Total Cost (11+12+13)			

Note:

Extensive : < *1.5MT/Ha* **Semi-intensive: *1.5-4 MT/Ha***
Intensive : > *4 – 10MT/Ha* **Highly-intensive: *>10 MT/Ha***

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MONTHLY CATCH ASSESSMENT SURVEY OF POND

Species Code	Species	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Average Selling Rate	Total Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk/Kg	Tk
01	Rui															
02	Catla															
03	Mrigal															
04	Kalibaus															
05	Bata															
06	Ghania															
07	Silver Carp															
08	Grass Carp															
09	Mirror/Common Carp															
10	Other Exotic Carp															
11	Pangas															
12	Boal/Air															
13	Shol/ Gazar/Taki															
14	Koi															
15	Shingi/ Magur															
16	Big shrimp/prawn															
17	Small shrimp/prawn															
18	Tilapia/Nilotica															
19	Sarpunti/Thai Sharpunti															
20	Other Inland Fish															
	Total															

Total Cost- ----------Tk Production cost per kg of fish----------Tk/Kg Total selling price----------Tk
Selling Price per kg of fish----------Tk/Kg Total Production----------Kg Production per Ha----------Kg/Ha
Total Feed Used----------Kg Food Conversion Rate---------- (Feed Used / Fish Produced)

Signature and Seal

Pond - 4

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

UPAZILA-WISE SAMPLE CATCH RECORD OF POND

District : Upazila : Year :

1. Type of Pond	Extensive	Semi-intensive	Intensive	Highly Intensive	Average Price (Tk/Kg)
2. Production Range	*<1.5MT/Ha*	*1.5-4 MT/Ha*	*>4-10MT/Ha*	*>10 MT/Ha*	
3. Name of Farmer					
4. Water Area (Ha)					
5. Total Fry Stocking (No)					
6. Chemical Fertilizer (Kg)					
7. Feed Used (Kg)					
8. Yearly Production (Kg)	(Kg)	(Kg)	(Kg)	(Kg)	(Tk/Kg)
(01) Rui					
(02) Catla					
(02) Mrigal					
(03) Kalibaus					
(04) Bata					
(05) Ghania					
(06) Silver Carp					
(08) Grass Carp					
(09) Mirror/Common Carp					
(10) Other Exotic Carp					
(11) Pangas/Thai Pangas					
(12) Boal/Air					
(13) Shol/ Gazar/Taki					
(14) Koi					
(15) Shingi/ Magur					
(16) Big shrimp/prawn					
(17) Small shrimp/prawn					
(18) Tilapia/Nilotica					
(19) Thai Sarpunti					
(20) Other Inland Fish					
Total					
Unit Production MT/Ha					

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Beel Fisheries

Beel- 1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
(Identification and general information of Beel)

1. District---------- **2. Upazila**----------

3. Union---------- **4. Village**----------

Year ---------- **Name of Officer**----------

5. General Information:

a)	Name of Beel	----------
b)	Water area (Ha)	Winter season ----------
		Rainy season ----------
		Dry season ----------
c)	Average Depth (meter)	Winter season ----------
		Rainy season ----------
		Dry season ----------
d)	Link with other water body	River/ Cannel/ Beel/None
e)	Leasing arrangement	Fisherman co-operative
		Private party
		Other organization
f)	Vegetation	Floating vegetation covered----------%
		Sub-merged vegetation covered----------%
g)	Description of development work recently done	Re-excavation
		Construction of embankment
		Clearance of vegetation
h)	Fry stocking by	Beel Nursery Project
		Fry released program
		Leasing party
		None
i)	Fishing Period	From----------to ----------
j)	Fishing Method	Katta Fishing
		Other Fishing
		Both
k)	Number of kata(if any)	No.----------

Signature and Seal

Beel- 2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Catch Data of Sample Day

1. District---------- Code Date

2. Upazila---------- 3. Union----------

Name of Officer---------- 4. Type of fishing : Katta ers

5. Name of Beel---------- 6. Water area in winter season ----------Ha

7. Type of gear used

Name of Gear	Total Unit	Sample Unit	Raising Factor

8. Sample catch data observed in Kg

Name of Head Fisherman/Catcher :									
Name of Gear									
Species Code	Species	Previous day	Sample day	Previous day	Sample day	Previous day	Sample day	Previous day	Sample day
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghania								
07	Silver Carp								
08	Grass Carp								
09	Mirror/Com Carp								
10	Other Exotic Carp								
11	Pangas								
12	Boal/Air								
13	Shol/ Gazar/Taki								
14	Koi								
15	Shingi/ Magur								
16	Big shrimp/prawn								
17	Small shrimp/prawn								
18	Tilapia/Nilotica								
19	Sarpunti/Thai Punti								
20	Other Inland Fish								
	Total								

Remarks: **Raising Factor = Total Unit operated / Sample Unit**

Signature and Seal

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

Beel- 3

CATCH ASSESSMENT SURVEY OF BEEL
Estimated Total Catch of Sample Day

1. District---------- Code [ ] Date [ ] [ ] [ ]
2. Upazila---------- 3. Union----------
4. Name of Beel---------- Name ofOfficer ----------
5. Water area in winter season ----------Ha 6. Type of fishing: Kata [ ] Others [ ]
7. Type of gear used

Name of Gear	Total Unit	Sample Unit	Raising Factor

8. Estimated total catch of sample day in Kg

Name of Gear										Estimated total catch of sample day (Kg)
Species Code	**Species**	Average catch	Total catch	Average catch	Total catch	Average catch	Total catch	Average catch	Total catch	
01	Rui									
02	Catla									
03	Mrigal									
04	Kalibaus									
05	Bata									
06	Ghania									
07	Silver Carp									
08	Grass Carp									
09	Mirror/Com Carp									
10	Other Exotic Carp									
11	Pangas									
12	Boal/Air									
13	Shol/ Gazar/Taki									
14	Koi									
15	Shingi/ Magur									
16	Big shrimp/prawn									
17	Small shrimp/prawn									
18	Tilapia/Nilotica									
19	Sarpunti/Thai Punti									
20	Other Inland Fish									
	Total=									

Remarks: Average catch = (Catch of previous day + Catch of Sample day)/2
Total catch = Average catch of each gear ×Raising Factor of corresponding gear
Estimated total catch of sample day = Total catch of all Gear

Signature and Seal

Beel- 4

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Catch Data of Other Fishing and Estimated Total Catch

1. District ---------- Code ☐

2. Upazila ---------- 3. Union----------

4. Name of Beel---------- Name of Officer ----------

5. Water area in winter season ----------Ha 6. Type of fishing: Katta ☐ Others ☐

7. Fishing period**:** from----------to ---------- = ----------days (N)

8. Number of sample days ---------- (n)

9. Raising Factor: N/n

Species Code	**Species**	**Estimated total catch of sample days (kg)**						**Sample Total (kg)**	**Estimated total catch for season (kg)**
		1st day	2nd day	3rd day	4th day	5th day	6th day		
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghania								
07	Silver Carp								
08	Grass Carp								
09	Mirror/Common Carp								
10	Other Exotic Carp								
11	Pangas								
12	Boal/Air								
13	Shol/ Gazar/Taki								
14	Koi								
15	Shingi/ Magur								
16	Big shrimp/prawn								
17	Small shrimp/prawn								
18	Tilapia/Nilotica								
19	Sarpunti/Thai Sharpunti								
20	Other Inland Fish								
	Total								

Remarks :**Estimated total catch for whole season = Sample Total × Raising Factor**

Signature and Seal

Beel- 5

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
Catch Data of Katta Fishing and Estimated Total Catch

1. District---------- Code ☐

2. Upazila---------- 3. Union----------

4. Name of Beel---------- Name of Officer ----------

5. Water area in winter season ----------Ha

6. Type of fishing: Katta ☐ Others ☐

7. Total number of kata for whole season---------- (N)

8. Number of sample kata observed ---------- (n)

9. Raising Factor = N/n = ----------

Species Code	Species	Catch of Sample Kata observed (kg)						Sample Total (kg)	Estimated total catch for season (kg)
		1	2	3	4	5	6		
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Ghania								
07	Silver Carp								
08	Grass Carp								
09	Mirror/Common Carp								
10	Other Exotic Carp								
11	Pangas								
12	Boal/Air								
13	Shol/ Gazar/Taki								
14	Koi								
15	Shingi/ Magur								
16	Big shrimp/prawn								
17	Small shrimp/prawn								
18	Tilapia/Nilotica								
19	Sarpunti/Thai Sharpunti								
20	Other Inland Fish								
	Total								

Signature and Seal

Beel- 6

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BEEL
ESTIMATED TOTAL CATCH FOR THE WHOLE SEASON

1. District---------- Code [ ] Year----------

2. Upazila---------- 3. Union----------

4. Name of Beel---------- Name of Investigator----------

5. Water area in winter season ---------- Ha

Species Code	Species	Estimated total catch for the whole season (kg)		
		Other Fishing	Katta Fishing	Total catch
01	Rui			
02	Catla			
03	Mrigal			
04	Kalibaus			
05	Bata			
06	Ghania			
07	Silver Carp			
08	Grass Carp			
09	Mirror/Common Carp			
10	Other Exotic Carp			
11	Pangas			
12	Boal/Air			
13	Shol/ Gazar/Taki			
14	Koi			
15	Shingi/ Magur			
16	Big shrimp/prawn			
17	Small shrimp/prawn			
18	Tilapia/Nilotica			
19	Sarpunti/Thai Sharpunti			
20	Other Inland Fish			
Total				

Production per Hectare----------Kg/Ha

Signature and Seal

Shrimp Farm Fisheries

Form-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF SHRIMP/ PRAWN FARM

1. District---------- Code ☐ 2. Upazila----------

3. Union----------4. Mouza/Village----------Name of Officer----------

5. Name of Farm/Owner---------- 6. Name of Farmer/Operator----------

7. Year ---------- 8. Water Area---------- (Ha) 9. Average Depth---------- (Meter)

9. Type of Culture **(1) Exclusively shrimp/prawn** ☐ **(2) Mixed** ☐

10. Stocking of Fry/Juvenile

Category	Species	July - December		January – June		Total Tk.
		Number	Size (cm)	Number	Size (cm)	
Shrimp/ Prawn	(1) Bagda					
	(2) Harina					
	(3) Chaka					
	(4) Galda					
	(5) Natural Imput					
	Shrimp/Prawn Total					
Fish	(6) Rui					
	(7) Catla					
	(8) Mrigal					
	(9) Kalibaus					
	(10) Bata					
	(11) Ghania					
	(12) Silver Carp					
	(13) Grass Carp					
	(14) Mirror/Common Carp					
	(15) Other Exotic Carp					
	(16) Pangas					
	(17) Koi/Shingi/Magur					
	(18) Tilapia					
	(19) Thai Punti					
	(20) Others					
	Fish Total					

Signature and Seal

Annual Production of Shrimp and Crab for 2017-2018 (Financial Year)

Name of Division:

Name of District:

[Area in Hectare] ***]Production in Metric Ton]***

Sl. No.	**Name of Upazila**	**Shrimp/Prawn Farm**											Crab		Remarks
		Galda Farm				Bagda Farm					Total				
		Area	Production			Area	Production				Area	Production			
			Galda	Other Shrimp	Fish		Bagda	Galda	Other Shrimp	Fish			Area	Production	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Total														

Signature and Seal

MONTHLY CATCH ASSESSMENT SURVEY OF SHRIMP/PRAWN FARM

Form-2

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Av. Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk
1	Bagda														
2	Harina														
3	Chaka														
4	Galda														
5	Other Shrimp/Prawn														
	Shrimp/Prawn Total														
6	Rui														
7	Catla														
8	Mrigal														
9	Kalibaus														
10	Bata														
11	Ghania														
12	Silver Carp														
13	Grass Carp														
14	Mirror/Common Carp														
15	Other Exotic Carp														
16	Pangas														
17	Boal/Air														
18	Shol/ Gazar/Taki														
19	Koi/														
20	Shingi/ Magur														
21	Tilapia/Nilotica														
22	Thai Sharputi														
23	Other Fish														
	FishTotal														
	Grand Total														

Total Production---------- MT

Production per Ha----------MT/Ha

Signature and Seal

Subsistence/Floodplain Fisheries

Form-S1/F1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

LIST OF HUNDRED HOUSEHOLD

Sl No.	Head of Household	Location	Fishing Ground	Fishing Season												Remarks
				J	A	S	O	N	D	J	F	M	A	M	J	
1.																
2.																
3.																
4.																
5.																
100.																

Fishing ground : Large river, small river, pond, beel, baor, shrimp farm, canal, creek, ditch, swamp, paddy field or flood water.

Signature and Seal

Form-S2/F2

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF SUBSISTENCE FISHING

1. District---------- Code ☐ Year---------- Month----------
2. Upazila---------- 3. Union----------
4. Village---------- 5. Name of Officer----------
6. Name of head of household---------- 7. Number of members of household ☐
8. Number of total catcher ☐ 9. Number of adult catcher ☐
10. Number of children catcher (under 12 years) ☐

11. Monthly data on subsistence fishing

Month (Delete unused)		**July/ January**	**August/ February**	**September/ March**	**October/ April**	**November/ May**	**December/ June**	**Remarks**
Caught fish Yes/No								
Fishing ground								
Type of gear								
Number of fishing days								
Average number of catchers								
Species Code	Catch in previous fishing day by species	**kg**	**kg**	**kg**	**kg**	**kg**	**kg**	**Total**
01	Rui							
02	Catla							
03	Mrigal							
04	Kalibaus							
05	Bata							
06	Ghania							
07	Silver Carp							
08	Grass Carp							
09	Mirror/Common Carp							
10	Other Exotic Carp							
11	Pangas							
12	Boal/Air							
13	Shol/ Gazar/Taki							
14	Koi							
15	Shingi/ Magur							
16	Big shrimp/prawn							
17	Small shrimp/prawn							
18	Tilapia/Nilotica							
19	Sarpunti/Thai Sharpunti							
20	Other Inland Fish							
	Total							

Fishing Ground: Large River, Small River, pond, beel, baor, canal, ditch, swamp, paddy field or flood water.

Signature and Seal

Baor Fisheries

Baor-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF BAOR

1. District----------Code

2. Upazila---------- Year ----------

3. Name of Baor---------- Name of Officer----------

4. Name of Organization/ Manager----------

5. Water Area in 1st January ---------- (Ha) 6. Average Depth----------ft

7. Management by : Government/Private

8. Stocking of Fry/Fingerlings

Species	July – December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

Signature and Seal

CATCH ASSESSMENT SURVEY OF BAOR (Monthly Catch) Baor-2

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Av. Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk
01	Rui														
02	Catla														
03	Mrigal														
04	Kalibaus														
05	Bata														
06	Ghania														
07	Silver Carp														
08	Grass Carp														
09	Mirror/Common Carp														
10	Other Exotic Carp														
11	Pangas														
12	Boal/Air														
13	Shol/ Gazar/Taki														
14	Koi														
15	Shingi/ Magur														
16	Big shrimp/prawn														
17	Small shrimp/prawn														
18	Tilapia/Nilotica														
19	Sarpunti/Thai Sharpunti														
20	Other Inland Fish														
	Total														

Production per Ha----------Kg/Ha

Signature and Seal

Seasonal Cultured Waterbody

.

SCW-1

Government of the People's Republic of Bangladesh
Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF SEASONAL CULTURED WATERBODY

1. District---------- Code [ ] 2. Upazila----------

3. Name of Waterbody---------- Name of Officer ----------

4. Village---------- 5. Type of waterbody: (a) Floodplain (b) Paddy Field (c) Boropit (d) Polder

6. Water Area ---------- (Ha) 7. Average Depth ---------- ft

8. Name of Owner/Farm---------- Year ----------

9**. Stocking of Fry/Fingerlings**

Species	July – December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

Signature and Seal

CATCH ASSESSMENT SURVEY OF SEASONAL CULTURED WATER BODY (Monthly Catch) SCW-2

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	Av. Price
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Tk
01	Rui														
02	Catla														
03	Mrigal														
04	Kalibaus														
05	Bata														
06	Ghania														
07	Silver Carp														
08	Grass Carp														
09	Mirror/Common Carp														
10	Other Exotic Carp														
11	Pangas														
12	Boal/Air														
13	Shol/ Gazar/Taki														
14	Koi														
15	Shingi/ Magur														
16	Big shrimp/prawn														
17	Small shrimp/prawn														
18	Tilapia/Nilotica														
19	Sarpunti/Thai Sharpunti														
20	Other Inland Fish														
	Total														

Production per Ha----------Kg/Ha

Signature and Seal

Pen and Cage Culture

PC-1

Government of the People's Republic of Bangladesh

Fisheries Resources Survey System
Department of Fisheries

CATCH ASSESSMENT SURVEY OF PEN AND CAGE CULTURE

1. District---------- Code [ ] 2. Upazila----------

3. Name of Waterbody---------- Name of Officer ----------

4. Village---------- 5. Water Area ---------- (Ha) 6. Average Depth ----------ft

7. Name of Owner/Farm---------- Year ----------

8. Type of Fish Culture: Pen / Cage Culture

9. Stocking of Fry/Fingerlings

Species	July – December		January – June		Total Tk.
	Number	Size (cm)	Number	Size (cm)	
Rui					
Catla					
Mrigal					
Kalibaus					
Bata					
Silver Carp					
Grass Carp					
Mirror/Common Carp					
Pangas					
Koi/Shingi/Magur					
Galda/Bagda					
Tilapia					
Thai Punti					
Others					
Total					

Signature and Sea

CATCH ASSESSMENT SURVEY OF SEASONAL CULTURED WATER BODY (Monthly Catch)

PC-1

Species Code	Species	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Total	AveragePrice
		Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	**Tk**
01	Rui														
02	Catla														
03	Mrigal														
04	Kalibaus														
05	Bata														
06	Ghania														
07	Silver Carp														
08	Grass Carp														
09	Mirror/Common Carp														
10	Other Exotic Carp														
11	Pangas														
12	Boal/Air														
13	Shol/ Gazar/Taki														
14	Koi														
15	Shingi/ Magur														
16	Big shrimp/prawn														
17	Small shrimp/prawn														
18	Tilapia/Nilotica														
19	Sarpunti/Thai Sharpunti														
20	Other Inland Fish														
	Total														

.Production per Ha----------Kg/Ha

Signature and Seal

Marine Industrial Fisheries (Trawler Fishing)

Form - MI-1

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram

Inspection/Observation Report of Sea Fishing Trawlers
(Official use only)

Date of inspection……/……../....……

1. Name of the Trawler inspected …….....

2. Name and address of the owner/Company: ……..…….....

4. Type of trawler: Shrimp trawler/Fish trawler/Mixed trawler

5. Gross tonnage : ……..…….M. tons. 5. Whether possessing valid fishing licese: Yes/No.

OBSERVATION

6. (a) Date of departure for the last fishing trip:…….....……

   (b) Date of arrival from the last fishing trip: …….....……

7. Number of actual fishing days: …….. 8. Fishing ground : .....

9. Average number of hauls per day :……..…..…… Latitude…….....……..… N

   Average hours of each haul …… ……..…. Longitude …….....E

10. Catch data of the last fishing trip :

(a) Shrimp (b) Fish

Species	Weight in Kg	
	H. L.	H.O.
Tiger shrimp		
White shrimp		
Pink shrimp		
Brown shrimp		
Small shrimp		
Lobster		
Shrimp total		

Species	Weight in Kg
Pomfert	
Jew fish	
Indian salmon	
Snapper	
Grunt	
Flat/sole fish	
Cat fish	
Mackeral	
Tuna	
Sharks/rays	
Squids/Cuttle fish	
Others	
Fish total	

11. Number of shrimp nets used .....:……
Mesh size at cod-end…….....…….....mm
Number of fish nets used…….....…….....
Mesh size at cod-end:…….....…….....mm
Length of head rope…….....……
Gear used: Single/ double

12. Number of Officers and crew on board:

	Local	Foreign
Officer	……	…….
Crew	……	…….
Total	…….	……

13. Expect date of departure for the next fishing trip……..

14. Remarks: ……..

Name and signature of inspecting officer:
Date:

Form - MI-2

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram

FISHING TRIP SURVEY OF TRAWLERS

Year..... Company.....

Period of Trips					
Name of Vessel					
Type of Fishing					
July					
August					
September					
October					
November					
December					
January					
February					
March					
April					
May					
June					

Remarks:

1. Period of Trips: Date of Departure - Date of Arrival
2. Period of each trip is to be recorded in the column of the month of the date of arrival.
3. Period July 5 - July 15 is to be recorded as 5/7 - 15/7.

Signature and Seal

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram

Form - MI-3

TABULATION FORM OF INSPECTION/OBSERVATION REPORT OF SEA TRAWLERS

Month..... Type of Fishing.....

Name of Vessel							
Name of Company							
Date of Departure							
Date of Arrival							
No. of Fishing days							
Fishing ground La.							
Ln.							
Shrimp catch (in Kg)							
Tiger Shrimp							
White Shrimp							
Pink Shrimp							
Brown Shrimp							
Lobster							
Other shrimp							
Shrimp Total							
Fish Catch (in kg)							
Pomfret							
Jew Fish							
Indian Salmon							
Snapper							
Grant							
Flat/solo fish							
Cat fish							
Mackerel							
Tuna							
Sharks/rays							
Squids/Cuttlefish							
Others							
Fish Total(Kg)							
Grand Total (Kg)							

Signature and Seal

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram

Form - MI-4

MONTHLY/ANNUAL TOTAL CATCH OF TRAWLERS

Month/Year :

Type of Fishing	Shrimp Trawlers	Fish Trawlers	Mixed Trawlers	Total
No. of Trips				
No. fishing days				
Shrimp catch (Kg)				
Tiger Shrimp				
White Shrimp				
Pink Shrimp				
Brown Shrimp				
Lobster				
Other shrimp				
Shrimp Total				
Fish Catch (kg)				
Pomfret				
Jew Fish				
Indian Salmon				
Snapper				
Grant				
Flat/solo fish				
Cat fish				
Mackerel				
Tuna				
Sharks/rays				
Squids/Cuttlefish				
Others				
Fish Total(kg)				
Grand Total(kg)				

Remarks :

1. Data by types of fishing are to be transcribed from the total column of the Tabulation Form (Form - MI-3).
2. Annual total catch are to be calculated by accumulating monthly total catch data.

Signature and Seal

Marine Artisanal Fisheries

Form : MA - 1

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram.

CATCH ASSESSMENT SURVEY OF MARINE ARTISANAL FISHERIES

Fishing Units Record

District: ..... Date: .....
Upazila: ..... Name of Officer.....
Fishing Village.....

Name of Gear Used			No. of Fishing Units Operated	No. of Sample Fishing Units
Local name	Type	Code		

Note : A minimum unit for operating fishing of a type of fishing gear, usually consisting of a combination of a fishing boat, fishing gear and fishermen.

Signature and Seal

Government of the People's Republic of Bangladesh
Marine Fisheries Office
Department of Fisheries
Agrabad, Chattogram

Form : MA - 2

SAMPLE CATCH RECORD MARINE ARTISANAL FISHERIES

District: ..... Date: .....
Upazila: ..... Name of Officer:.....

Landing Center or Fishing Village:.....

Type of gear used | No. of all landings | No. of Sample landings

Serial No.						Producer's price in Tk.Kg
No. of fishermen on board						
Fishing boat moterized/n.mot.						
Local name of gear used						
No. of days of this trip						
No. of trips during past 15 days						
No. of days on the sea during past 15 days						
No. of setbag nets						
Catch by species	Kg	Kg	Kg	Kg	Kg	
Hilsa						
Bombay Duck						
Indian salmon						
Pomfret						
Sharks & rays						
Jew fish						
Snapper						
Mackerel						
(Specify) :						
Small shrimp						
Micellaneous						
Total:						

Signature and Seal

Form : MA -3

DISTRICT-WISE ANNUAL CATCH OF MARINE FISHERIES (YEAR : _____)

Sl. No.	District	Trawl Fishing				Artisanal Fishing				Total			
		Shrimp	Hilsa	Other Fish	Total	Shrimp	Hilsa	Other Fish	Total	Shrimp	Hilsa	Other Fish	Total
1	Bagerhat												
2	Khulna												
3	Satkhira												
	Khulna Division												
4	Barguna												
5	Barishal												
6	Bhola												
7	Jhalokathi												
8	Patuakhali												
9	Pirojpur												
	Barishal Division												
10	Chattogram												
11	Cox's Bazar												
12	Feni												
13	Lakshmipur												
14	Noakhali												
	Chattogram Division												
	TOTAL:												

Signatureand Seal

ANNUAL FISH PRODUCTION IN CAGE CULTURE, Year……

Name of District:

Area in Hectare ***Production in Metric Ton***

Sl. No.	**Name of Upazila**	**Cage Culture**								
		River				Other Water Bodies				**Total Prod (5+8)**
		Name of River	Number of Cage	Av. area/ Cage (Sq. meter)	Production	Type of Water Body	Number of Cage	Av. area/ Cage (Sq. meter)	Production	
1	2		3	4	5		6	7	8	9
	Total:									

Signature
District Fisheries Officer

Compilation Data

Chart - 1

FRSS Chart-1

Sector-wise Annual Fish Production in Open Water for ---------- (year)

Name of District: ***Area in Hectare*** ***Production in Metric Ton***

Sl. No.	**Name of Upazila**	**River**			**Marine**		**Beel**				**Haor**		**Floodplain**					**Total Production** (4+5+6+7+9+11+13+15+18)
							Natural		Under Beel Nursery Program				Natural		Under fry released Program			
		Area	Production		Production		Area	Production	Area	Production	Area	Production	Area	Production	Area	No of Fry Released (Lakh)	Production	
			Hilsa	Other Fish	Hilsa	Other Fish												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Total																	

Signature and Seal

Compilation Data

Chart - 2

FRSS Chart-2

Annual Fish Production in Pond Culture for ---------- (year)

Name of District: ***Area in Hectare*** ***Production in Metric Ton***

Sl. No.	Name of Upazila	Pond														
		*Culture Method												Total		
		Extensive *<1.5MT/Ha*			Semi-intensive *1.5-4.0 MT/Ha*			Intensive *>4 -10 MT/Ha*			Highly Intensive *> 10 MT/Ha*					
		No.	Area	Prod.	No.	Area	Prod.	No.	Area	Prod.	No.	Area	Prod.	No.	Area	Prod
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Total:															

Culture Method:

(1) Extensive	***< 1.5 MT/Ha***
(2) Semi-intensive	***1.5 - 4.0 MT/Ha***
(3) Intensive	***>4.0 - 10.0 MT/Ha***
(4) Highly Intensive	***>10.0 MT/Ha***

Signature and Seal

Compilation Data

Chart - 3

FRSS Chart-3

Sector-wise Annual Fish Production in Other Closed Water for---------- (year)

Name of District: ***Area in Hectare*** ***Production in Metric Ton***

Sl. No.	Name of Upazila	Shrimp/Prawn Farm											Fish Culture in Floodplain/ Paddy Field		Boropit/ Polder/ Creek		Baor		Cage Culture			Pan Culture		Total Prod (13+15 + 17+19+ 22+24)
		Galda Farm				Bagda Farm					Total													
		Area	Production			Area	Production				Area	Prod.					Area	Prod.	No	Av. area/ Cage (Sq. meter)	Prod..	Area	Prod.	
			Galda	Other Shrimp	Fish		Bagda	Golda	Other Shrimp	Fish			Area	Prod.	Area	Prod.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Total																							

Signature and Seal

Annexure -2

Persons involved in Preparation of the Yearbook

Khaleda Khanom Chowdhury	Assistant Chief Department of Fisheries
Afshan Noor	Scientific Officer Department of Fisheries
Quazi Sania Afreen	Research Officer Department of Fisheries
Begum Razia Sultana	Research Officer Department of Fisheries
Md. Tazul Islam	Fishery Survey Officer Department of Fisheries
Md. Abul Kashem	Fishery Survey Officer Department of Fisheries
Mst. Umma-Un- Arifa	Assistant Cartographer Department of Fisheries

Annexure -3

No Objection Letter

ফরম-২

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিকল্পনা মন্ত্রণালয়
পরিসংখ্যান ও তথ্য ব্যবস্থাপনা বিভাগ
বাংলাদেশ পরিসংখ্যান ব্যুরো
ওয়েবসাইট: www.bbs.gov.bd

সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশের জন্য বাংলাদেশ পরিসংখ্যান ব্যুরোর অনাপত্তি

পরিসংখ্যান আইন, ২০১৩ (২০১৩ সনের ১২ নং আইন) এর ধারা ১১ এর উদ্দেশ্য পূরণকল্পে উক্ত আইন এবং এতৎসংক্রান্ত বিধি ও নীতিমালা অনুযায়ী নিম্নবর্ণিত শর্তসাপক্ষে মৎস্য অধিদপ্তর কে 'Fish Catch Assessment Survey' পরিচালনার মাধ্যমে 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক প্রতিবেদন প্রকাশের অনাপত্তি প্রদান করা হলো।

শর্তসমূহ:

(ক) শুমারি/জরিপ ক্ষেত্র: Fish Catch Assessment Survey;

(খ) জরিপের ক্ষেত্রে;

(অ) নমুনায়ন ফ্রেম (Sampling Frame): Listing Frame ও কৃষিশুমারি।

(আ) নমুনায়ন পদ্ধতি: উদ্দেশ্যমূলক নমুনায়ন।

(ই) নমুনা আয়তন নিরূপণ পদ্ধতি: ফর্মুলা নির্ভর।

(ঈ) নমুনা আয়তন/নমুনা এককের সংখ্যা: নদী- ১৯২, পুকুর- ৩৮৪০, বিল- ১২৮, প্লাবনভূমি- ৯৬৪, সাবসিস্টেম- ৬৪০, মৌসুমী জলাশয়- ৬৪, বাওড়- সকল বাওড়, চিংড়ি- সকল চিংড়ি খামার, পেন/কেইজ কালচার- সকল, মেরিন- ৯২২৫।

(উ) তথ্য সংগ্রহের সময়কাল: জুলাই ২০১৯ হতে জুন ২০২০।

(ঊ) ফলাফল প্রকাশের সময়কাল: সেপ্টেম্বর, ২০২০।

(ঋ) প্রকাশনা/প্রতিবেদনে Reliability of Estimates সংযোজন করতে হবে।

(গ) পরিসংখ্যান আইন, ২০১৩ অনুযায়ী ভবিষ্যতে প্রতিবেদন প্রকাশের পরিবর্তে প্রতিবেদনের তথ্য সংগ্রহের জন্য পরিচালিত জরিপ (Catch Assessment Survey) কার্যক্রম শুরুর পূর্বে অনাপত্তির আবেদন করতে হবে;

(ঘ) পরবর্তীতে জরিপের পূর্বে Sampling Frame ও Methodology Update করতে হবে;

(ঙ) নমুনা ফ্রেম যথাযথ হালনাগাদ করা এবং Weight ব্যবহার ব্যতীত সমগ্র (Population) পর্যায়ের Estimate দেয়া যাবে না;

(চ) তথ্য সংগ্রহের পূর্বে তথ্য সংগ্রহকারীদের যথাযথ প্রশিক্ষণ প্রদান নিশ্চিত করতে হবে;

(ছ) তথ্য সংগ্রহ ও রিপোর্ট প্রণয়নের সাথে জড়িত কর্মকর্তা/কর্মচারীদের প্রশিক্ষণ এবং মাঠ পর্যায়ে তথ্য সংগ্রহের কাজ পরিবীক্ষণে জাতীয় পরিসংখ্যান সংস্থা হিসেবে বিবিএস-এর মাঠ পর্যায়ের কর্মকর্তাদেরকে সম্পৃক্ত করতে হবে;

(জ) জরিপের প্রতিবেদন প্রকাশের পূর্বে প্রস্তুতকৃত খসড়া প্রতিবেদন পর্যালোচনার জন্য 'জরিপ/শুমারি, পরীক্ষা, অনুমোদন ও পরিবীক্ষণ কমিটি'র সভায় উপস্থাপন করতে হবে;

(ঝ) প্রকাশিত জরিপ প্রতিবেদনের সাথে বিবিএস-এর অনাপত্তিপত্র সংযুক্ত করতে হবে এবং বিবিএসকে প্রকাশনার ২০ (বিশ) টি কপি সরবরাহ করতে হবে;

(ঞ) 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬'-এর অনুচ্ছেদ-৪, ৫ ও ৭ এর নির্দেশনাসমূহ যথাযথভাবে প্রতিপালন করতে হবে;

২। মৎস্য অধিদপ্তর 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬'-এর অনুসরণ এবং ব্যুরো কর্তৃক প্রদত্ত শর্তাবলী পূরণ ও মান বজায় রাখবার বিষয়টি নিশ্চিত করবে।

৩। নির্ধারিত সময়সীমার মধ্যে পরিসংখ্যান প্রস্তুত ও প্রকাশের কার্যক্রম সম্পন্ন করতে না পারলে সংস্থা এই বিধিমালার অধীন বাংলাদেশ পরিসংখ্যান ব্যুরোর নিকট সময় বৃদ্ধির আবেদন করতে পারবে।

৪। 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬' যথাযথভাবে অনুসরণ এবং শর্তসমূহ যথাযথভাবে পূরণ ও মান বজায় রাখবার বিষয়টি বাংলাদেশ পরিসংখ্যান ব্যুরো ও সংস্থার যৌথ পরিবীক্ষণের (Monitoring) মাধ্যমে নিশ্চিত করা হবে।

২৪/৬/২০২০

মোহাম্মদ তাজুল ইসলাম
মহাপরিচালক
(অতিরিক্ত সচিব)
+৪৪ ০২ ৫৫০০৭০৫৬
ইমেইল: dg@bbs.gov.bd

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
বাংলাদেশ পরিসংখ্যান ব্যুরো
সেন্সাস উইং
পরিসংখ্যান ভবন, ই-২৭/এ, আগারগাঁও, ঢাকা-১২০৭
www.bbs.gov.bd

বিষয়: মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক পুস্তিকাটি প্রকাশনার ওপর মতামত প্রদান এবং 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক পুস্তিকাটি প্রকাশের নিমিত্ত অনাপত্তি প্রদান বিষয়ে জরিপ/শুমারি প্রস্তাব পরীক্ষা, অনুমোদন ও পরিবীক্ষণ কমিটি'র সভার কার্যবিবরণী।

১.১ সভার তারিখ ও সময় : ১৬ জুন ২০২০, সকাল ১১:০০ টা।
১.২ সভার স্থান : বিবিএস সম্মেলন কক্ষ (পরিসংখ্যান ভবন, নিচ তলা)
১.৩ সভাপতি : জনাব মোহাম্মদ তাজুল ইসলাম
মহাপরিচালক (অতিরিক্ত সচিব), বাংলাদেশ পরিসংখ্যান ব্যুরো।
১.৪ সভায় উপস্থিত সদস্যগণের তালিকা পরিশিষ্ট-'ক'-তে সংযুক্ত করা হলো।

২.০। সভার শুরুতে সভাপতি উপস্থিত সকল সদস্যকে স্বাগত জানিয়ে সভার কার্যক্রম শুরু করেন। তিনি সভার কার্যসূচি উপস্থাপন ও সে অনুযায়ী সভা পরিচালনার জন্য জরিপ/শুমারি প্রস্তাব পরীক্ষা, অনুমোদন ও পরিবীক্ষণ কমিটি'র সদস্য-সচিব কে অনুরোধ জানান। সদস্য-সচিব ও পরিচালক, সেন্সাস উইং সকলকে অবগত করেন যে, মৎস্য ও প্রাণিসম্পদ মন্ত্রণালয়ের আওতাধীন মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক প্রকাশনা প্রস্তুতে ইতোপূর্বে এ কমিটি হতে অনাপত্তি প্রদান করা হয়েছিল। উক্ত প্রতিবেদনটি প্রস্তুত করে পর্যালোচনা ও মতামত চাওয়া হয়েছে। পাশাপাশি প্রকাশনার ওপর মতামত প্রদান এবং 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক পুস্তিকাটি প্রকাশের নিমিত্ত অনাপত্তি প্রদানের অনুরোধ করে নির্ধারিত ফরম-১ এর মাধ্যমে আবেদন জানানো হয়েছে। পরিসংখ্যান আইন, ২০১৩ এর ধারা ১১-এ বর্ণিত রয়েছে যে, বাংলাদেশ পরিসংখ্যান ব্যুরো যে সকল বিষয়ে পরিসংখ্যান প্রণয়ন করে না সে সকল বিষয়ে, অন্য কোন মন্ত্রণালয়, বিভাগ বা উহাদের অধীনস্থ দপ্তর, অধিদপ্তর বা সংস্থা, ব্যুরো কর্তৃক প্রণীত নীতিমালা অনুসরণক্রমে এবং বিধি দ্বারা নির্ধারিত পদ্ধতিতে ও সময়ে ব্যুরোর অনাপত্তি গ্রহণপূর্বক পরিসংখ্যান প্রস্তুত ও প্রকাশ করতে পারবে। 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬'-এর অনুচ্ছেদ-৬ অনুযায়ী বিভিন্ন সংস্থা কর্তৃক শুমারি ও জরিপ কাজের জন্য দাখিলকৃত প্রস্তাব পরীক্ষা-নিরীক্ষাপূর্বক সুপারিশ প্রদানের জন্য 'জরিপ/শুমারি প্রস্তাব পরীক্ষা, অনুমোদন ও পরিবীক্ষণ কমিটি'র সভা আহ্বান করার নির্দেশনা রয়েছে। বর্ণিতাবস্থায়, মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক পুস্তিকাটি প্রকাশনার ওপর মতামত প্রদান এবং 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক পুস্তিকাটি প্রকাশের নিমিত্ত অনাপত্তি প্রদান বিষয়ে বিস্তারিত আলোচনাপূর্বক সিদ্ধান্ত গ্রহণ করা প্রয়োজন। তিনি এ পর্যায়ে সভাপতির অনুমতিক্রমে সভায় উপস্থিত মৎস্য অধিদপ্তরের প্রতিনিধি কে আলোচ্য প্রতিবেদনের ওপর বিস্তারিত উপস্থাপনা প্রদানের অনুরোধ জানান। অতঃপর সভায় মৎস্য অধিদপ্তরের প্রতিনিধি 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক পুস্তিকাটি প্রকাশনার ওপর মতামত প্রদান এবং 'Fish Catch Assessment Survey' পরিচালনার মাধ্যমে 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক প্রতিবেদন প্রকাশের লক্ষ্যে বিস্তারিত Methodology, Objective, Questionnaire, Data Collection, Analysis প্রক্রিয়া ও রিপোর্ট প্রণয়ন পদ্ধতি সম্পর্কে বিস্তারিত উপস্থাপনা প্রদান করেন। এ পর্যায়ে সভায় উপস্থিত সদস্যগণ উপস্থাপিত প্রতিবেদনের বিভিন্ন বিষয় সম্পর্কে আলোচনাপূর্বক মতামত ও পরামর্শ প্রদান করেন।

৩.০। আলোচনা:

৩.১। সভায় 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক পুস্তিকাটি প্রকাশনার ওপর মতামত প্রদান এবং 'Fish Catch Assessment Survey' পরিচালনার মাধ্যমে 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক প্রতিবেদন প্রকাশের বিস্তারিত Methodology, Objective, Questionnaire, Data Collection, Analysis প্রক্রিয়া ও রিপোর্ট প্রণয়ন পদ্ধতি সম্পর্কে বিস্তারিত আলোচনা হয়। আলোচনার শুরুতেই প্রফেসর ড. সৈয়দ শাহাদৎ হোসেন, ঢাকা বিশ্ববিদ্যালয় ২০১৮ সালে প্রকাশিত 'Yearbook of Fisheries Statistics of Bangladesh, 2017-2018' প্রতিবেদনে সংযুক্ত বিবিএস-এর অনাপত্তি পত্রে প্রদত্ত ২ নং শর্ত (পরবর্তীতে জরিপ করার পূর্বেই জরিপের Sampling Frame ও Methodology Update করতে হবে;) সম্পর্কে সভার দৃষ্টি আকর্ষণ করেন। তিনি শর্তটি বাস্তবায়ন হয়েছে কিনা মৎস্য অধিদপ্তরের প্রতিনিধির নিকট জানতে চান। এ বিষয়ে মৎস্য অধিদপ্তরের প্রতিনিধি কর্তৃক সভাকে অবগত করা হয় যে, জরিপটি এখনও ১৯৮৩ সালে প্রণীত Frame ব্যবহার করা হচ্ছে, বর্তমানে অবশ্যই নতুন Frame প্রয়োজন। এ রিপোর্টে তথ্য সংগ্রহের আওতায় কয়েকটি জরিপের নমুনা ফ্রেম হিসেবে কৃষিশুমারির ফ্রেম ব্যবহার করা যেতে পারে বলে তিনি মতপ্রকাশ করেন।

৩.২। সভার এ পর্যায়ে পরিচালক, এগ্রিকালচার উইং, বিবিএস বলেন, 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত একটি বার্ষিক প্রতিবেদন এবং এটি নিয়মিত প্রকাশ করা হয়। সেক্ষেত্রে আলোচ্য প্রতিবেদন প্রকাশে বিবিএস-এর অনাপত্তির প্রয়োজন আছে কিনা এ বিষয়ে তিনি সভার দৃষ্টি আকর্ষণ করেন। মৎস্য অধিদপ্তরের পক্ষ হতে জানানো হয়, প্রতিবেদনটিতে Administrative Data-এর পাশাপাশি Survey Data থাকে এবং উক্ত Survey-তে নমুনায়নের মাধ্যমে সমগ্র দেশের মৎস্য সেক্টরের সকল খাতের তথ্য সংগ্রহ করা হয়।

৩.৩। আলোচনায় অংশ নিয়ে পরিচালক, এফএ অ্যান্ড এমআইএস উইং বলেন 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬' অনুযায়ী বিবিএস ব্যতীত অন্য কোন সংস্থা কর্তৃক জরিপ পরিচালনার ক্ষেত্রে এ কমিটি উক্ত জরিপের প্রশ্নপত্র, নমুনা পদ্ধতি ও অন্যান্য প্রাসঙ্গিক বিষয় জরিপ পরিচালনার পূর্বেই অনাপত্তি নেওয়ার জন্য সংশ্লিষ্ট দপ্তরকে আহ্বান জানান।

৩.৪। আইএসআরটি'র প্রফেসর ড. সৈয়দ সাহাদাৎ হোসেন বলেন, প্রত্যেকবার অনাপত্তি নেওয়ার সময় নতুনভাবে Sampling Frame প্রস্তুতের কথা বলেন। কিন্তু অদ্যাবধি নতুনভাবে Sampling Frame প্রস্তুত করার কোন উদ্যোগ নেওয়া হয়নি। এ বিষয়ে মৎস্য অধিদপ্তরের পরিচালক সভাকে অবগত করেন যে, অচিরেই Sampling Frame সহ অন্যান্য বিষয়ে নতুনভাবে জরিপ পরিচালনার জন্য একটি প্রজেক্ট পরিকল্পনা কমিশনে প্রেরণের জন্য প্রস্তুত করা হচ্ছে। সভায় পরিচালক বিবিএস জনাব কবির উদ্দিন আহাম্মদ বলেন, 'জরিপের Methodology এবং Sampling Frame প্রস্তুতের ক্ষেত্রে অবশ্যই বিবিএস-এর মতামত এবং সংশ্লিষ্টতা দরকার। এ বিষয়ে বিআইডিএসের প্রতিনিধি জনাব ড. এস.এম. জাহেদুল ইসলাম চৌধুরী, মৎস্য অধিদপ্তরের কাছে জানতে চান, জরিপ পরিচালনার ক্ষেত্রে তাদের মাঠ পর্যায়ে যথেষ্ট জনবল আছে কিনা। এ বিষয়ে মৎস্য অধিদপ্তরের প্রতিনিধি সভাকে অবগত করেন যে, জরিপ পরিচালনার জন্য উপজেলা পর্যায়ে সার্ভে অফিসার নিয়োগের জন্য প্রক্রিয়া চলমান আছে। এছাড়াও উপজেলা পর্যায়ে মৎস্য কর্মকর্তাসহ চার-পাঁচজন জনবল বর্তমানে বিদ্যমান আছে। আলোচনায় অংশ নিয়ে বিবিএস এর প্রকল্প পরিচালক ড. দিপংকর রায় বলেন, জরিপের ক্ষেত্রে Sampling Design খুবই গুরুত্বপূর্ণ বিষয়। Sampling বিষয়ে কোন প্রকার অবহেলার সুযোগ নেই। Sampling Design সঠিকভাবে না করে Weight ছাড়া সারাদেশের Population Estimate দেয়ারও সুযোগ নেই। এক্ষেত্রে শুধু Sampling Estimate দেওয়া যেতে পারে। এ বিষয়ে মৎস্য অধিদপ্তরের পরিচালক বলেন যে, Statistics এর সকল নিয়মকানুন অনুসরণ করেই Survey পরিচালনা করা প্রয়োজন। ভবিষ্যতে মৎস্য অধিদপ্তর এ বিষয়ে সম্পূর্ণ সজাগ থাকবে। মৎস্য অধিদপ্তর কর্তৃক আগামীতে এ সংক্রান্ত যে নতুন প্রকল্প নেয়া হচ্ছে, তার আওতায় বিবিএসসহ অভিজ্ঞ সকল অংশীজনের মতামত নেয়া হবে। তিনি এ বিষয়ে সকলের সহযোগিতা কামনা করেন।

৩.৫। সভার বিবিধ আলোচনায় সদস্য-সচিব সভাকে অবহিত করেন যে, কমিটির কার্যক্রমে গতিশীলতা বৃদ্ধি এবং এসডিজিসহ গুরুত্বপূর্ণ পরিসংখ্যানিক বিষয়াদি প্রস্তাবিত জরিপ/শুমারিতে অন্তর্ভুক্তি নিশ্চিতকরণে এ কমিটি'র সভাপতি মহোদয় কর্তৃক ০৩ (তিন) জন সদস্য কো-অপ্ট. করা হয়েছে। তারা হলেন, (১) জনাব ঘোষ সুব্রত, উপমহাপরিচালক, বিবিএস; (২) জনাব মো. এমদাদুল হক, পরিচালক, এফএ অ্যান্ড এমআইএস উইং, বিবিএস; এবং (৩) জনাব মো. আলমগীর হোসেন, উপপরিচালক ও ফোকাল পয়েন্ট কর্মকর্তা, এসডিজি সেল, বিবিএস। এ বিষয়ে উপস্থিত সদস্যগণ সর্বসম্মতভাবে অনুমোদন করেন।

৪.০। **সিদ্ধান্তসমূহ:**

সভার সদস্যগণের আলোচনা হতে প্রাপ্ত মতামত ও সুপারিশসমূহ পর্যালোচনাপূর্বক মৎস্য অধিদপ্তর-কে সভায় নিম্নবর্ণিত সিদ্ধান্তসমূহ বাস্তবায়ন সাপেক্ষে প্রস্তাবিত 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক পুস্তিকাটি প্রকাশনায় অনাপত্তি প্রদান এবং 'Fish Catch Assessment Survey' পরিচালনার মাধ্যমে 'Fisheries Statistical Report of Bangladesh, 2019-2020' শীর্ষক প্রতিবেদন প্রকাশের লক্ষ্যে তথ্য সংগ্রহ ও পরিসংখ্যান প্রস্তুত নিমিত্ত অনাপত্তি প্রদানে সর্বসম্মতিক্রমে সুপারিশ করা হয়:

(১) 'Yearbook of Fisheries Statistics of Bangladesh, 2018-2019' শীর্ষক পুস্তিকাটি প্রকাশনার ক্ষেত্রে বিবিএস কর্তৃক প্রদত্ত মতামত সংযোজনপূর্বক প্রকাশ করতে হবে;

(২) ভবিষ্যতে প্রতিবেদনের তথ্য সংগ্রহের জন্য পরিচালিত জরিপ (Catch Assessment Survey) কার্যক্রম শুরুর পূর্বেই অনাপত্তির আবেদন করতে হবে;

(৩) তথ্য সংগ্রহের পূর্বে প্রতিবছর তথ্য সংগ্রহকারীদের যথাযথ প্রশিক্ষণ প্রদান নিশ্চিত করতে হবে;

(৪) কৃষি শুমারি ২০১৯ এর Sampling Frame ব্যবহার করে জরিপ পরিচালনার উদ্যোগ গ্রহণ করতে হবে;

(৫) তথ্য সংগ্রহ ও রিপোর্ট প্রণয়নের সাথে জড়িত কর্মকর্তা/কর্মচারীদের প্রশিক্ষণ এবং মাঠ পর্যায়ে তথ্য সংগ্রহের কাজ পরিবীক্ষণে জাতীয় পরিসংখ্যান সংস্থা হিসেবে বিবিএস-কে সম্পৃক্ত করতে হবে;

(৬) জরিপের প্রতিবেদন প্রকাশের পূর্বে প্রস্তুতকৃত খসড়া প্রতিবেদন এ কমিটি'র সভায় উপস্থাপন করতে হবে;

(৭) 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬'-এর অনুচ্ছেদ-৪, ৫ ও ৭ এর নির্দেশনাসমূহ যথাযথভাবে প্রতিপালন করতে হবে।

(৮) কমিটিতে সভাপতি কর্তৃক মনোনীত ৩ (তিন) জন সদস্যকে কো-অপ্টের সিদ্ধান্ত অনুমোদন করা হয়।

৫.০। সভায় আর কোন আলোচ্য বিষয় না থাকায় সভাপতি সকল সদস্যকে ধন্যবাদ জানিয়ে সভার সমাপ্তি ঘোষণা করেন।

২৯/০৫/২০২০

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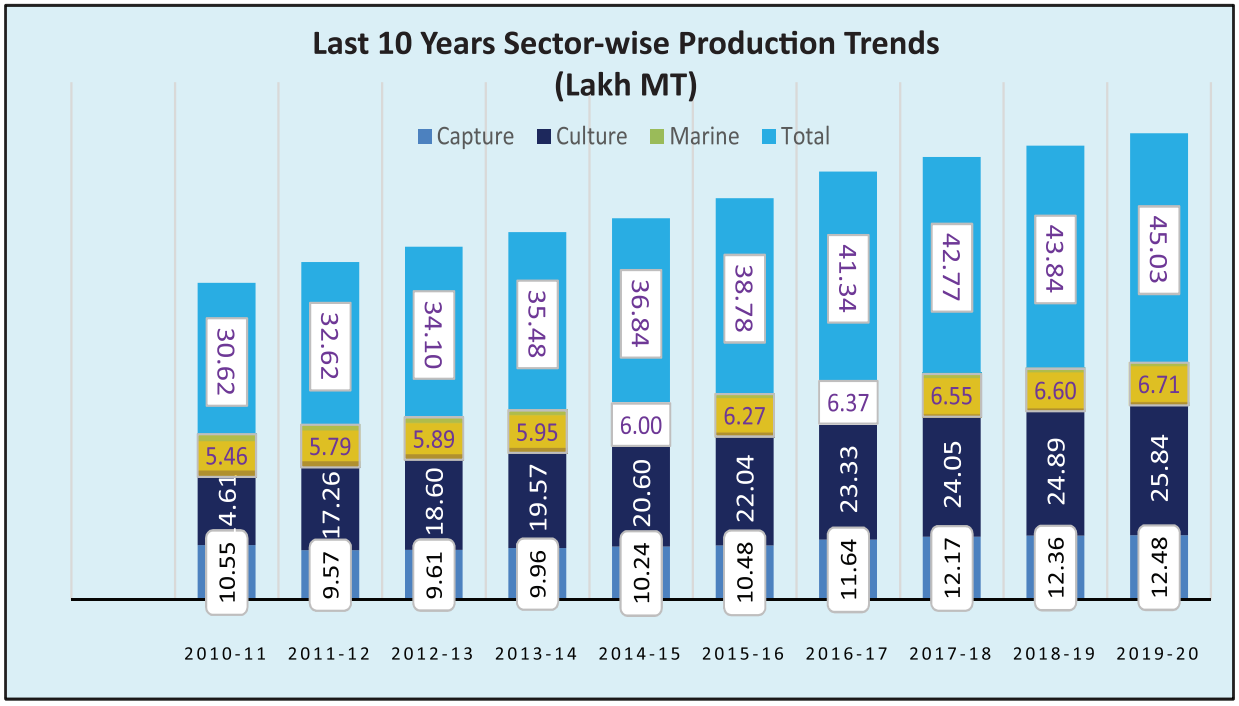

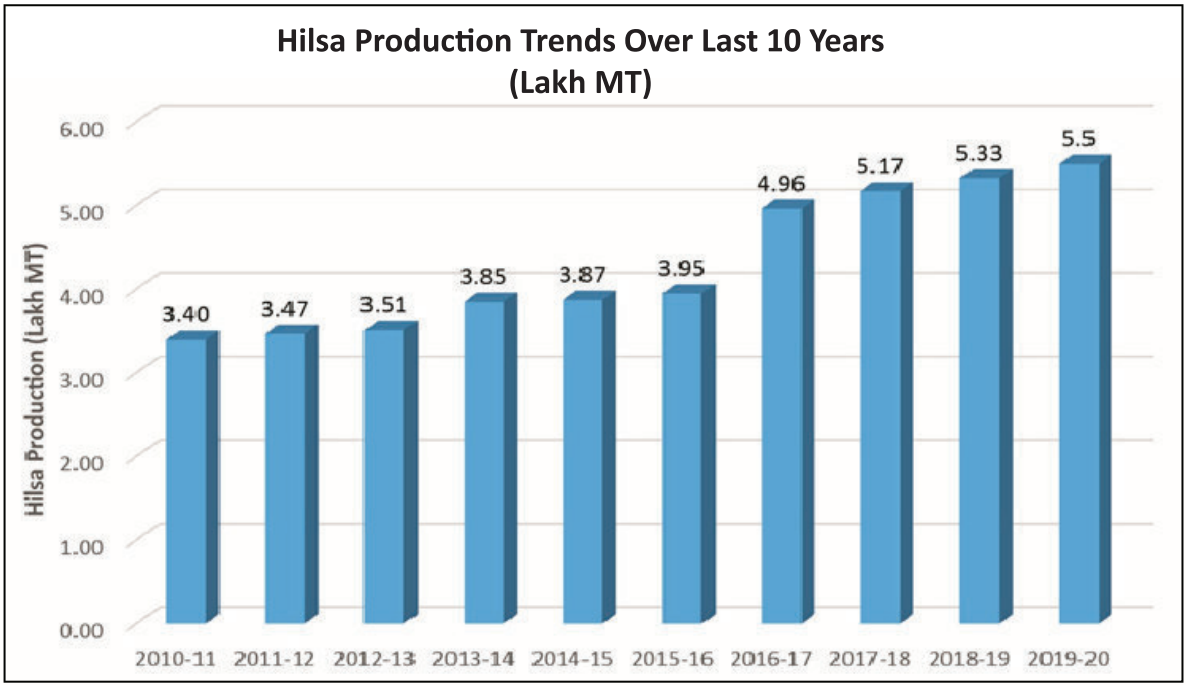

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