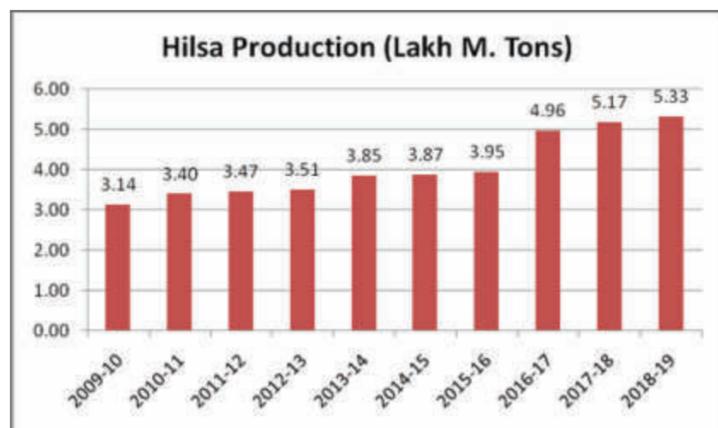


Last 10 Years Fish Production in Bangladesh



Last 10 Years Hilsa Production in Bangladesh

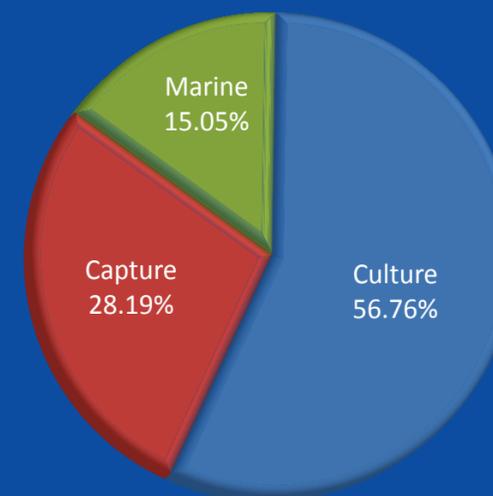


Department of Fisheries Bangladesh
 Ministry of Fisheries and Livestock
 Government of the People's Republic of Bangladesh
www.fisheries.gov.bd



YEARBOOK OF FISHERIES STATISTICS OF BANGLADESH

2018-19



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 2018-19



YEARBOOK OF FISHERIES STATISTICS OF BANGLADESH 2018-19



Fisheries Resources Survey System

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
(July 2018-June 2019)**

Volume : 36

Published : March 2020

Published by : Director General
Department of Fisheries, Bangladesh

Cover design : FRSS and ICT Section, Department of Fisheries (DoF)

Printed by : Bangladesh Govt. Press (BG Press), Tejgaon, Dhaka-1208

Any individual or institution can use the information for referral use of publication with acknowledgement. The Yearbook can be collected from Matshya Bhaban, Ramna, Dhaka, Bangladesh free of cost. Website: <http://www.fisheries.gov.bd>

Citation : DoF. 2019. *Yearbook of Fisheries Statistics of Bangladesh, 2018-19*. Fisheries Resources Survey System (FRSS), Department of Fisheries, Bangladesh : Ministry of Fisheries and Livestock, 2019. Volume 36 : 135p.

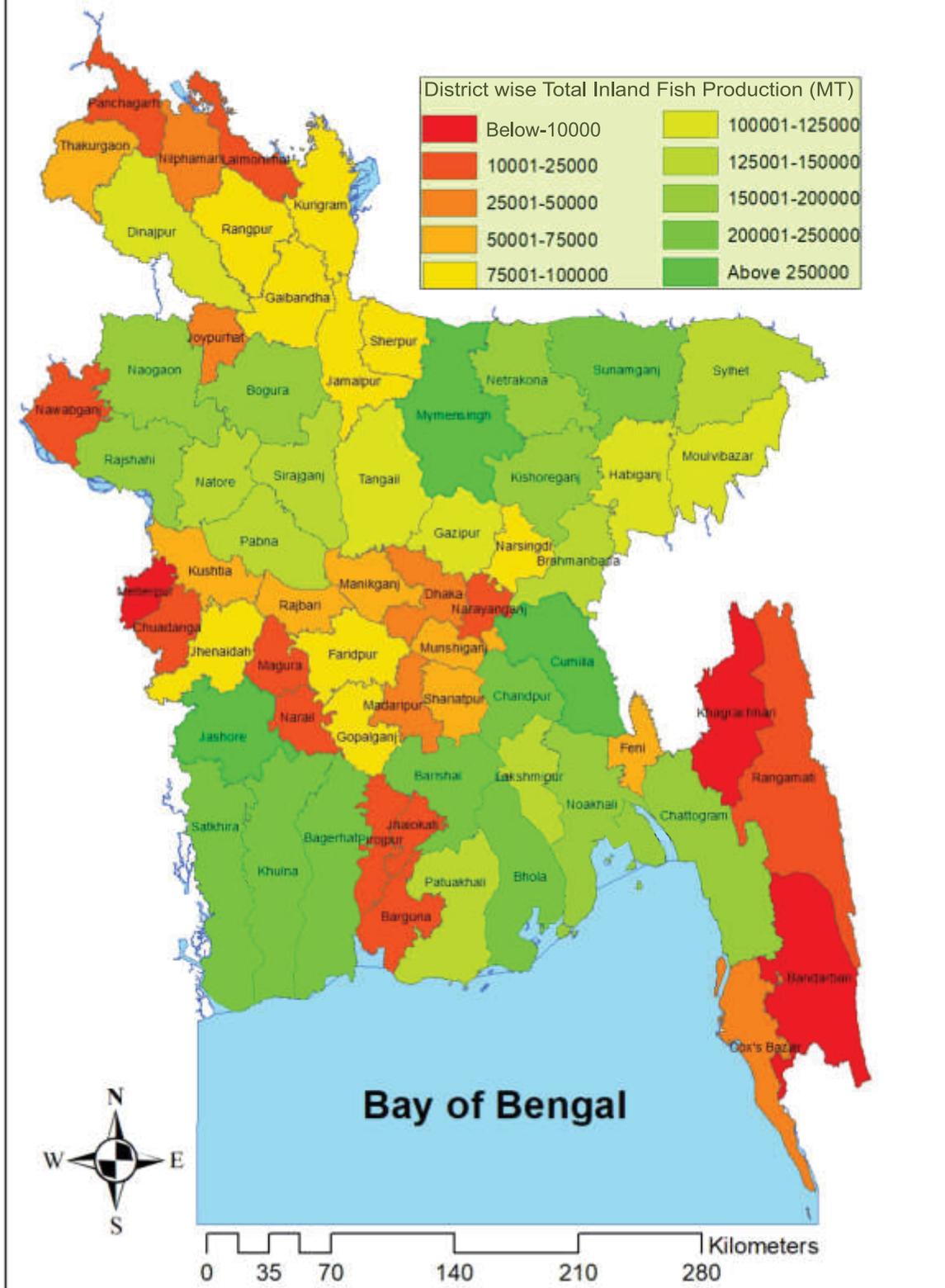
EDITORIAL PANEL

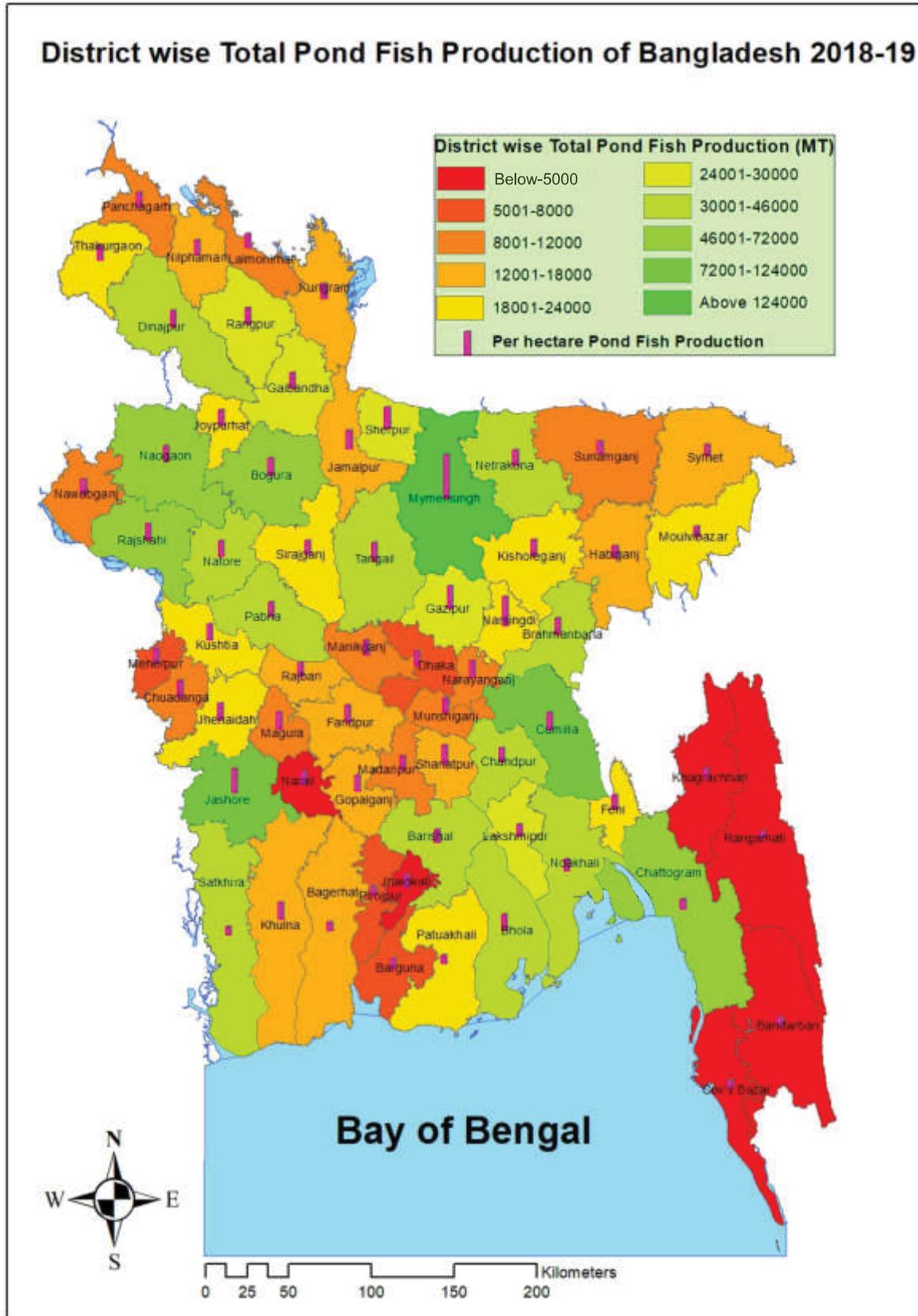
1. Md. Mizanur Rahman	Principal Scientific Officer (Planning & Survey) Department of Fisheries	Convener
2. Md. Ramjan Ali	Additional Director General & Principal Scientific Officer (Adl. Charge), FIQC Department of Fisheries	Member
3. Md. Shamim Haider	Director (Inland) Department of Fisheries	Member
4. Dr. Md. Sharif Uddin	Principal Scientific Officer Fish Survey Management Unit Department of Fisheries	Member
5. Kh. Mahbubul Haque	Deputy Director (Finance & Planning) Department of Fisheries	Member
6. Md. Atiar Rahman	Deputy Director (Admin.) Department of Fisheries	Member
7. Dr. Md. Sainar Alam	Deputy Director Department of Fisheries Rangpur Division	Member
8. Md. Alamgir Hossen	Deputy Director Bangladesh Bureau of Statistics	Member
9. Dr. Md. Abdul Alim	Deputy Chief (Marine) Department of Fisheries	Member
10. Md. Mukhlesur Rahman	Senior Assistant Director Department of Fisheries	Member
11. Masud Ara Momi	Deputy Chief Department of Fisheries	Member
12. Khaleda Khanom Chowdhury	Assistant Chief Department of Fisheries	Member Secretary

ABBREVIATIONS AND ACRONYMS

BBS	Bangladesh Bureau of Statistics
BFD	Bangladesh Forest Department
BFDC	Bangladesh Fisheries Development Corporation
BER	Bangladesh Economic Review
CEGIS	Center for Environment and Geographic Information Services
CWB	Cultured Water Body
DoF	Department of Fisheries
FAO	Food and Agriculture Organization
FD	Forest Department
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
NFS	National Fisheries Strategy
NFP	National Fisheries Policy
NGO	Non Government Organization
NoC	No Objection Certificate
MT	Metric Ton
Kg	Kilogram
PL	Post Larvae
SDG	Sustainable Development Goal
SPARSSO	Space Research and Remote Sensing Organization

District wise Total Inland Fish Production of Bangladesh 2018-19





PREFACE

The Department of Fisheries Bangladesh has been playing a vital role in the socio-economic development of Bangladesh. This sector contributes 3.50% to the national GDP and 25.72% to the total agricultural GDP of the country (BER, 2019). Last 12 years average growth performance of this sector is 5.01%. More than 12% of populations 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).

According to FAO report *The State of World Fisheries and Aquaculture 2018*, Bangladesh ranked 3rd in inland open water capture production and 5th in world aquaculture production. **Geographical Indication (GI) Registration Certificate** has been achieved for our national fish hilsa. During the recent past years growth performance of fisheries sector was satisfactory. If this growth of fish production continues, fish production in the country is expected to be 45.52 lakh MT by 2020-21.

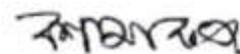
Department of Fisheries received prestigious **Bangabandhu National Agriculture Award 1423**, the highest state recognition in agriculture sector for its outstanding performance during the recent past years. These achievements have been possible through implementation of government fisheries policies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

The Yearbook of Fisheries Statistics of Bangladesh is articulated to provide statistical information of diversified fisheries resources and their contributions in total fisheries production for the FY 2018-19. Realizing the due importance and significance of fisheries data, best and sincere efforts have been given to furnish the latest and reliable information on different areas of fisheries production. 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.

This 36th edition is a distinctive yearly publication of the Department of Fisheries (DoF) since FY 1983-84. Data accumulated in this publication has been collected following structured frame, comprising regular field survey, 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 tabular form in a possible simplest way following standard data processing tools. The valuable feedback from concerned agencies and persons has been accounted during overall data processing.

I express my heartfelt gratitude to Bangladesh Bureau of Statistics (BBS) for extending cooperation. I would like to convey my thanks to my colleagues and all concerned who have rendered valuable suggestions for improvement of the yearbook.

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



(Quazi Shams Afroz)

Director General

Department of Fisheries

Email: dg@fisheries.gov.bd

Phone: 02-9562861

ACKNOWLEDGEMENTS

The Yearbook of Fisheries Statistics of Bangladesh is a regular publication of the Department of Fisheries and this is 36th 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 is going to achieve the visionary target of being middle income country by 2021 under the guidance and dynamic leadership of the honorable Prime Minister Sheikh Hasina. We also have a dream to uplift Bangladesh to a Developed Country by 2041. It is imperative to have an effective plan to achieve the goal. 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.

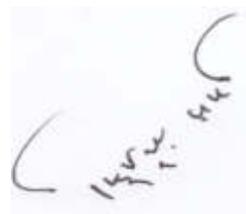
I express my sincere gratitude, thankfulness and deepest sense of appreciation to all of colleagues of Fisheries Resources Survey System of DoF for their untiring efforts, pleasant assistance and appreciable information throughout the data processing and formulation of this publication.

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. It gives me great pleasure to extend my sincere thankfulness to the officials of Bangladesh Fisheries Development Corporation (BFDC) and Bangladesh Forest Department (BFD) for providing necessary data for this publication.

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 during the preparation of the yearbook.

Any suggestion written or oral for any improvement of this book will be highly appreciated.



(Md. Mizanur Rahman)
Principal Scientific Officer
Department of Fisheries
Email: mrbe47@gmail.com
Phone: 02-9561355

CONTENTS

		Page
	Key Findings	1
	Executive Summary	2-4
	Chapter - 1 : Introduction	5-6
	Chapter - 2 : Methodology, Concepts and Definitions	7-17
	Chapter - 3 : Major Findings	18-23
Tables	Inland and Marine Fisheries	
3.1	Sector-wise Annual Fish Production of Inland and Marine Fisheries	24
3.2	Species/Group-wise Annual Fish Production of Inland and Marine Fisheries	25
	Inland Fisheries	
3.3	Species-wise Annual Fish Production of Inland Waterbodies	26
3.4	District-wise Annual Fish Production of Inland Waterbodies	27-28
	River	
3.5	District-wise Annual Fish Catch of all Rivers	29-30
3.6	Species-wise Annual Fish Catch of all Rivers	31
3.7	Species-wise Annual Fish Catch of Principal River, Meghna	32
3.8	Species-wise Annual Fish Catch of Principal River, Padma	33
3.9	Species-wise Annual Fish Catch of Principal River Jamuna and Brahmaputra	34
3.10	Species-wise Annual Fish Catch of other Rivers	35-38
	Sundarbans	
3.11	Annual Fish Production of the Sundarbans Fisheries	39
	Beel	
3.12	Annual Fish Production of Beels	40-41
3.13	Species Composition of Annual Fish Production of Beels	42
	Kaptai Lake	
3.14	Annual Fish Production of Kaptai Lake	43
	Floodplain	
3.15	Annual Fish Catch in Floodplains	44-45
3.16	Species Composition of Annual Fish Catch of Floodplains	46
	Pond	
3.17	Annual Fish Production of Ponds	47-48
3.18	Species Composition of Annual Fish Production of Ponds	49
3.19	District-wise Species Composition of Fish Production of Ponds	50-57
	Seasonal Cultured Waterbody	
3.20	Annual Fish Production of Seasonal Cultured Waterbodies	58-59
3.21	Species Composition of Fish Production of Seasonal Cultured Waterbodies	60

	Page
Baor	
3.22 Annual Fish Production of Baors	61
3.23 Species Composition of Fish Production of Baors	61
Shrimp/Prawn Farm	
3.24 Annual Production of Shrimp/Prawn Farms	62-63
3.25 Species-wise Production of Shrimp/Prawn Farms	64
3.26 Sector-wise Annual Shrimp/Prawn Production	65
Pen and Cage Culture	
3.27 Annual Fish Production in Pen Culture	66
3.28 Annual Fish Production in Cage Culture	67
3.29 Species-wise Production of Pen and Cage Culture	68
Hilsa	
3.30 Annual Catch of Hilsa in Inland and Marine Fisheries	69-70
Marine Fisheries	
3.31 Annual Catch of Marine Fisheries	71
3.32 Species-wise Catch of Marine Fisheries	72
Hatchling/Spawn Production	
3.33 Annual Carp Hatchling Production	73
3.34 Annual PL (Post Larvae) Production	73
3.35 Hatchling Production of Govt. Hatchery	74
3.36 Hatchling Production of Private Hatchery	74
3.37 District-wise Annual Hatchling Production of Private Hatchery	75-76
3.38 Annual Carp Spawn/Fertilized Egg Collected from Natural Sources	77
3.39 Year-wise Annual Export of Fish and Fish Product (2002-03 to 2018-19)	78
3.40 Sector-wise Annual Fish Production (2006-07 to 2018-19)	79
3.41 Species-wise Annual Fish Production (2006-07 to 2018-19)	80
3.42 Fish Production Trends (1983-84 to 2018-19)	81
Annexure -1 : Schedules of Fish Catch Assessment Survey	82-119
Annexure -2 : Persons Involved in Preparation of the Yearbook	120
Annexure -3 : No Objection Letter	121-125

KEY FINDINGS

Sectors of Fisheries	2018-19			2017-18			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)	3890282	1235709	318	3927142	1216539	310	19170	1.58
1. River and Estuary	853863	325478	381	853863	320598	375	4880	1.52
2. Sundarbans	177700	18282	103	177700	18225	103	57	0.31
3. Beel	114161	99890	875	114161	99197	869	693	0.70
(a) Natural	99391	83596	841	101428	83455	823	141	0.17
(b) Beel Nursery	14770	16294	1103	12733	15742	1236	552	3.51
4. Kaptai Lake	68800	10578	154	68800	10152	148	426	4.19
5. Floodplain	2675758	781481	292	2712618	768367	283	13114	1.71
(a) Subsistence Fisheries	2317175	623607	269	2317175	622581	269	1026	0.16
(b) Fry Released Program	107346	48994	456	166620	48667	292	327	0.67
(c) Haor	251237	108880	433	228823	97119	424	11761	12.11
B. Inland Close Water (Culture)	821923	2488601	3028	807692	2405415	2978	83186	3.46
6. Pond	397775	1974632	4964	391753	1900298	4851	74334	3.91
7. Seasonal Cultured Waterbody	144217	217340	1507	136622	216353	1584	987	0.46
(a) Paddy Field/ Floodplain	129979	192793	1483	127933	201737	1577	-8944	-4.43
(b) Boropit	14238	24547	1724	8689	14616	1682	9931	67.95
8. Baor	5671	10343	1824	5488	8072	1471	2271	28.13
9. Shrimp/Prawn Farm	258553	258039	998	258681	254367	983	3672	1.44
(a) Shrimp/Prawn Production	-	125110	484	-	122550	474	2560	2.09
(b) Fish Production	-	132929	-	-	131817	-	1112	0.84
10. Crab Production	9377	12084	1289	9854	11787	1196	297	2.52
11. Pen Culture	6330	12361	1953	5294	11015	2081	1346	12.22
12. Cage Culture*	1.76 lakh cum	3802	22 kg/cum	1.29 lakh cum.	3523	27 kg/cum	279	7.92
C. Marine Fisheries	-	659911	-	-	654687	-	5224	0.80
13. Industrial	-	107236	-	-	120087	-	(-)12851	(-)10.70
14. Artisanal	-	552675	-	-	534600	-	18075	3.38
Total Fish Production (A+B+C)		4384221			4276641		107580	2.52
Production of Selected Species								
Hilsa Production (MT)	-	532795	-	-	517198	-	15597	3.02
(a) River		241817			232066			4.20
(b) Sundarbans		662			632			4.75
(c) Marine		290316			284500			2.04
Shrimp/Prawn Production (MT)	-	239855	-	-	247213	-	-7358	-2.98
(a) Shrimp/Prawn Farm		125110			122550		2560	2.09
(b) Other Sources		71996			75816		-3820	-5.04
(c) Marine		42749			48847		-6098	-12.48

* Cage culture volume is 1,76213 cubic meter assuming average one-meter depth over 17.62 ha water area. This area is included with in 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 43.84 lakh MT in FY 2018-19, where aquaculture accounts for 56.76 percent of the total fish production. Over the last 12 years, with the fairly steady average fisheries growth of 5.01 percent and consistent average aquaculture growth of around 8.59 percent. It is expected that the country will continue to achieve 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. In 2018-19, the country earns BDT 4,25031.00 lakh (as per EPB) by exporting almost 73.17 thousand MT of fish and fishery products.

According to FAO report *The State of World Fisheries and Aquaculture 2018*, 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 (12.15 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 2018-19, fisheries sector contributes 3.50% to the national GDP and more than one-fourth (25.72%) to the agricultural GDP. More than 12 percent of the 165 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 43.84 Lakh MT in 2018-19). 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 8.22 Lakh ha and produces 24.89 Lakh MT accounting for about 56.76 percent of the total fish production in 2018-19. The aquaculture production of 10.63 lakh MT in 2008-09 has been more than doubled to 24.89 lakh MT in 2018-19 exhibits 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. The seed quality of both finfish and shrimp/prawn produced from the most private hatcheries has been declining in the later stage posing threat to further expansion of aquaculture industry. 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 28% in 2013-14 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 have 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, 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. For the establishment of around 432 fish sanctuaries throughout the country, 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 12.15% of annual fish production by volume in 2018-19; these contribute an estimated one percent to the country's GDP. Hilsa production once abundant in 1970'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 5.33 lakh MT in FY 2018-19.

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 2.58 lakh MT in 2018-19.

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 15.05% of national fisheries production of 6.599 lakh MT in 2018-19, it involves over 200 industrial trawlers and more than 67000 artisanal vessels. Artisanal small-scale fishery contributes 83.75% i.e. 5.53 lakh MT and large industrial fishery contributes 16.25% i.e. 1.07 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 6.599 lakh MT in FY 2018-19. 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 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 in fisheries sector by the staff 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, 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 Bhat 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 3.50% to our national GDP and more than one-fourth (25.72%) to the agricultural GDP. 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 2018-19 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 36th 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 2018-19. 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 added since 2015-16.

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 3.50% to GDP and 25.72% to agricultural GDP. 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.

Sector of Fisheries	Definition
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.
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 man made 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. Man made 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 horse shoe 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.

Sector of Fisheries	Definition
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.
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 undertaken 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

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)	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 Section	Marine Fisheries	Director (Marine)
Shrimp	Shrimp Cell	Deputy Director (Shrimp)
BFDC staff	Kaptai Lake Fishery	BFDC
Bangladesh Forest Department	Sundarbans Fishery	Forest Department
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

<u>Sample stage</u>	<u>Sample unit</u>
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 gears 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

- For each Principal river, two largest villages and one medium sized village in terms of the number of fishing boats are selected as representatives.
- 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 RaisingFactor× Days of the Month/1000 (MT)

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 nursery, 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.
- **Seine net, Cast net and miscellaneous:** The sea coast is divided into five 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 interval 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 concerned 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 43.84 lakh MT in 2018-19, whereas inland open water (capture) contributes 28.19% (12.35 lakh MT) and inland closed water (culture) contributes 56.76% (24.89 lakh MT) to total production. So, 84.95% of total production comes from inland fisheries. The growth rates of inland capture and inland culture fisheries are 1.58 and 3.46% respectively. On the other hand, marine fisheries production is 6.60 lakh MT and its contribution to total fish production is 15.05% with growth rate 0.80%. Overall growth rate of total fish production in 2018-19 is 2.52%. The overall growth performance from inland aquaculture shows a moderate increased trend. The fish production has increased about six times more (7.54 lakh MT in 1983-84 to 43.84 lakh MT in 2018-19) during the last 36 years (Fig 3.1).

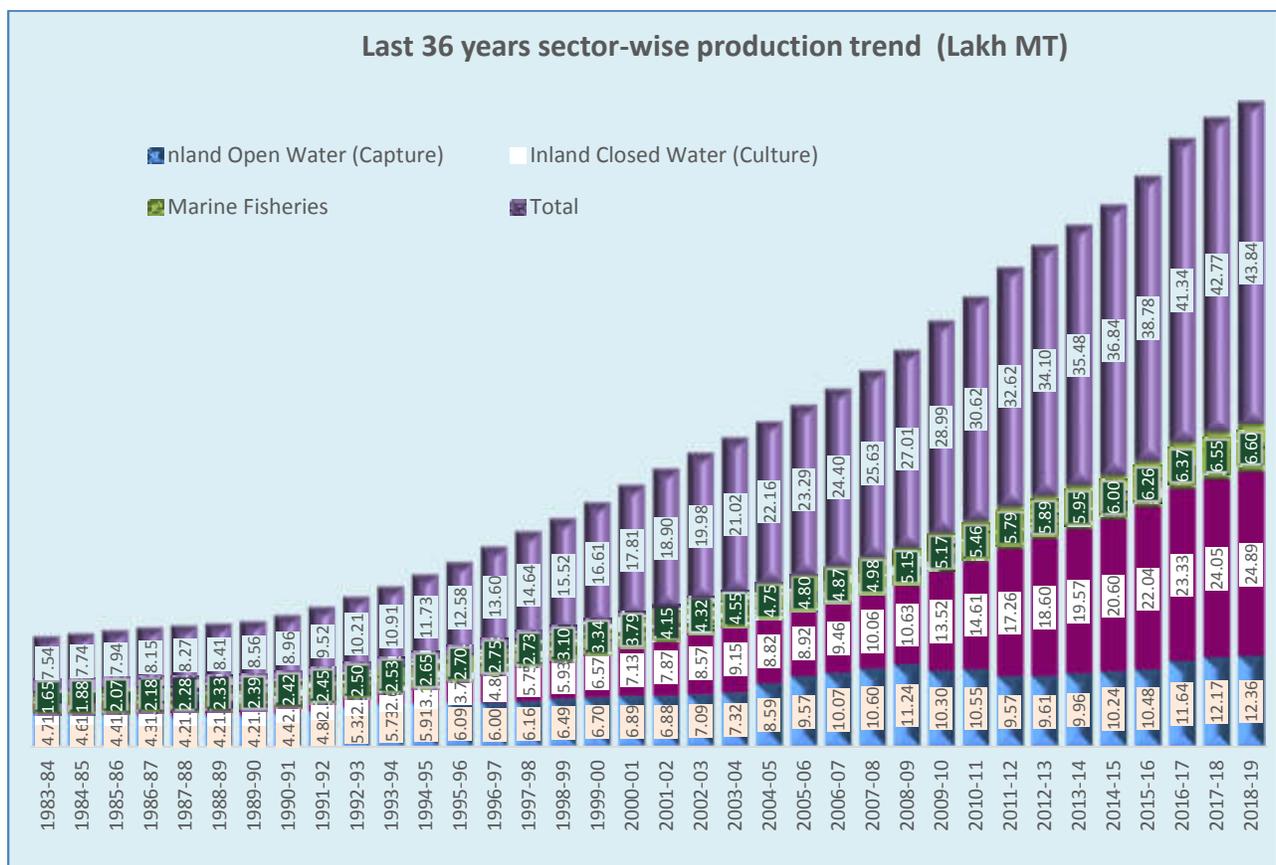


Fig. 3.1 : Last 36 years sector-wise production trend (Lakh MT)

The fish production diversity of fisheries resources of inland open water fisheries of river, beel, floodplain and Kaptai lake in 2018-19 are 3.25 lakh MT, 0.99 lakh MT, 7.81 lakh MT and 0.11 lakh MT respectively and corresponding growth rates are 1.52, 0.70, 1.71 and 4.19 percent respectively. The respective contributions to total production are 7.42, 2.28, 17.82 and 0.24 percent. Fish production has been increased compare to previous year. The production of Sundarbans fishery has increased, its production is 0.18 lakh M.T, its contribution is 0.42% to total production and consequently its growth rate is 0.32% (Fig. 3.2).

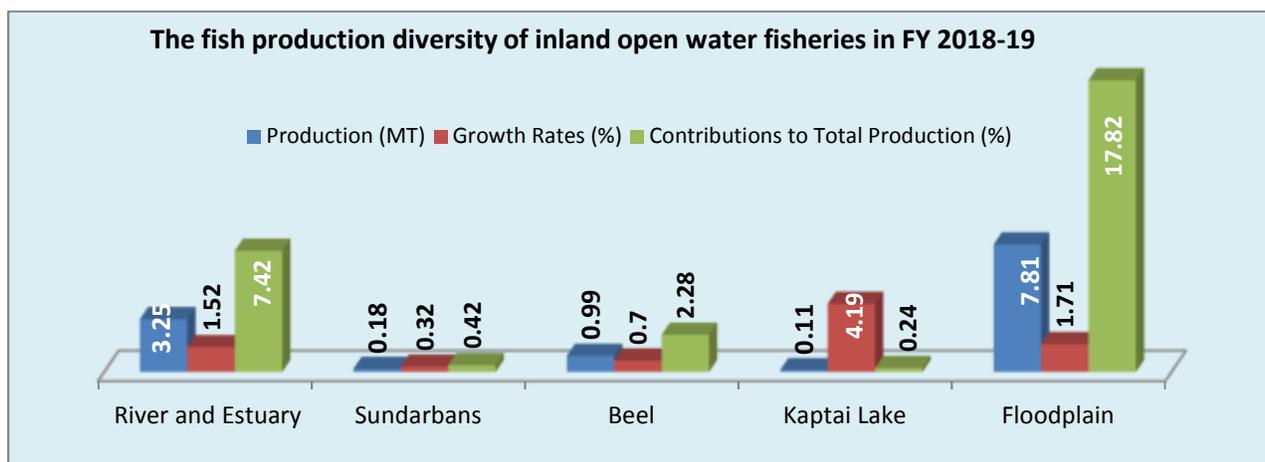


Fig. 3.2 : The fish production diversity of inland open water fisheries in FY 2018-19

The overall growth performance from inland capture shows a slightly moderate increased trend. The capture fish production has increased 2.62 times more (4.716 lakh MT in 1983-84 to 12.357 lakh MT in 2018-19) in which floodplain fish production has increased 3.90 times more (2.006 lakh MT in 1983-84 to 7.815 lakh MT in 2018-19) 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).

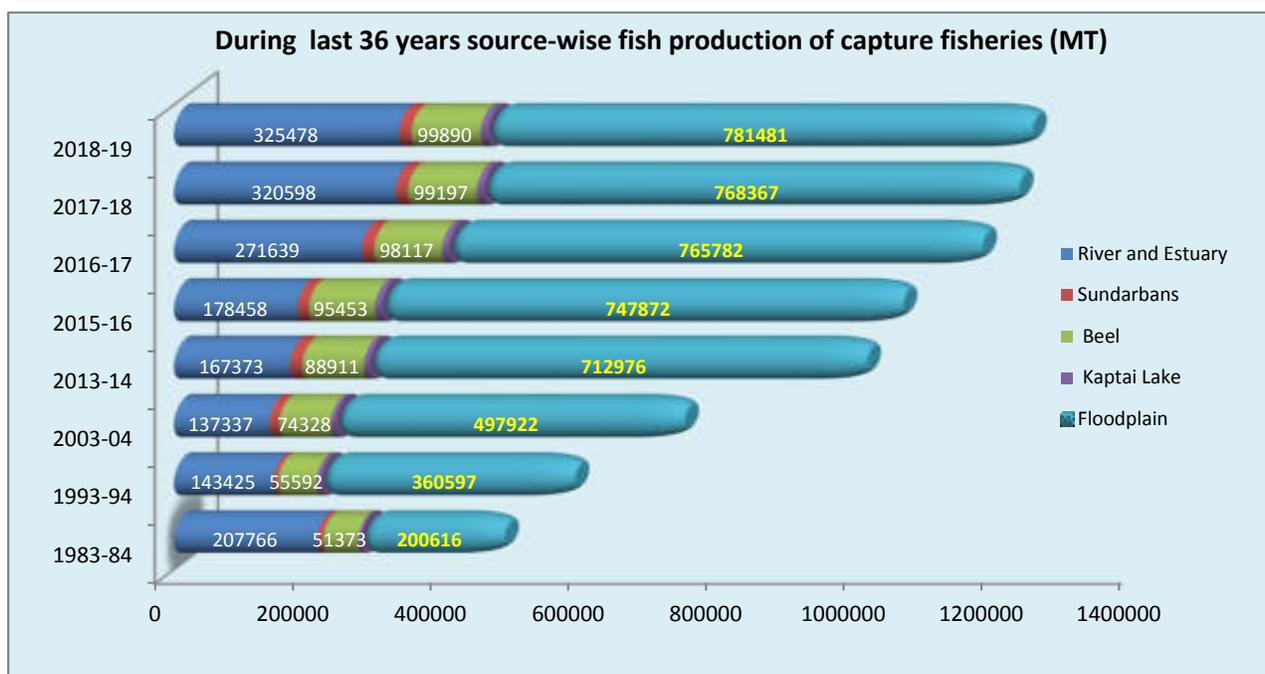


Fig. 3.3 : During last 36 years source-wise fish production of capture fisheries (MT)

The fish production (aquaculture) of pond, seasonal cultured waterbody, baor, shrimp farm, pen culture and cage culture (inland closed waterbody-culture) in 2018-19 are 19.74 lakh MT, 2.17 lakh MT, 0.10 lakh MT, 2.58 lakh MT, 0.12 lakh MT, 0.04 lakh MT, respectively. Subsequently, the corresponding contributions to total production are 45.04, 4.96, 0.24, 5.89, 0.28 and 0.09 percent respectively. The corresponding growth rates are 3.91, 0.46, 28.13, 1.44, 12.22 and 7.92 percent respectively. Crab production is 0.12 lakh MT which is included from 2015-16 in the yearbook (Fig. 3.4)

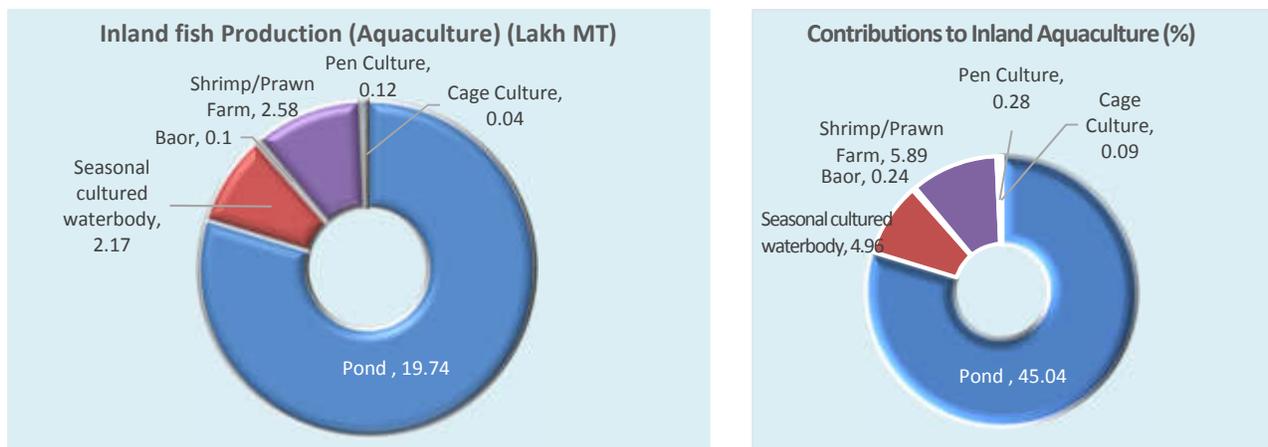


Fig. 3.4 : The fish production diversity of inland cultured waterbody in FY 2018-19

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 24.89 lakh MT in 2018-19) 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 shown in following graph (Fig. 3.5).

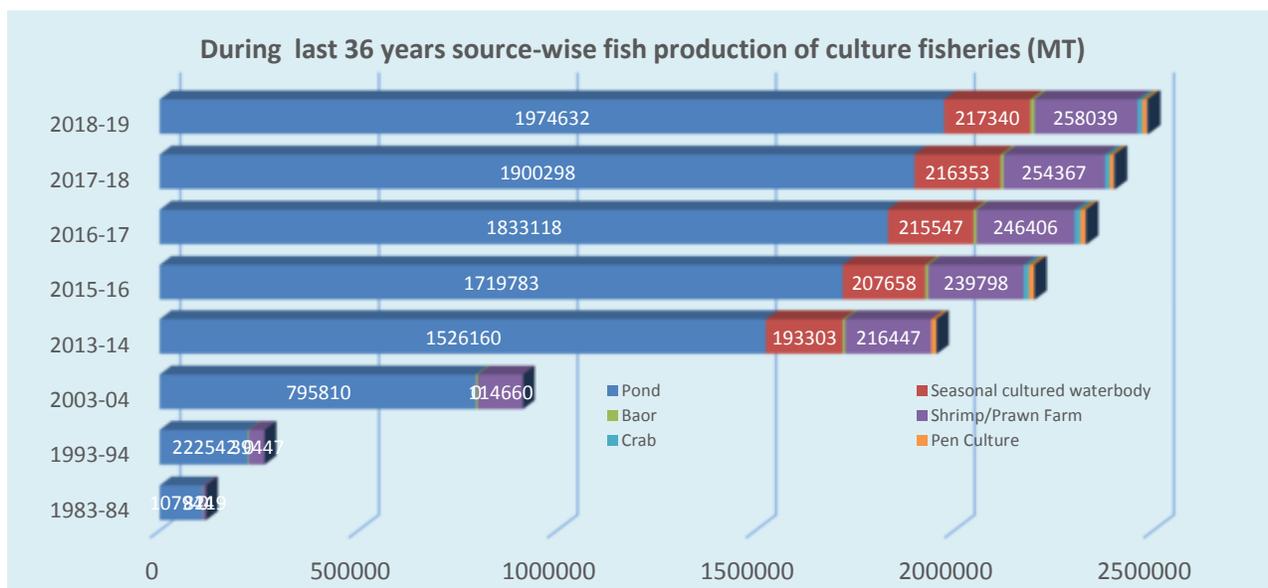


Fig. 3.5 : During last 36 years source-wise fish production of culture fisheries (MT)

In Bangladesh, aquaculture production systems are mainly extensive and improved extensive, with some semi-intensive and in very few cases intensive systems. The present unit area aquaculture productions (MT/ha) are 4.96, 1.51, 1.82 and 1.00 for pond, seasonal waterbody, baor (oxbow lake) and shrimp gher, respectively. There are two types of aquaculture practices are going on in Bangladesh—freshwater and coastal 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 2018-19 are shown in the following graph (Fig. 3.6).

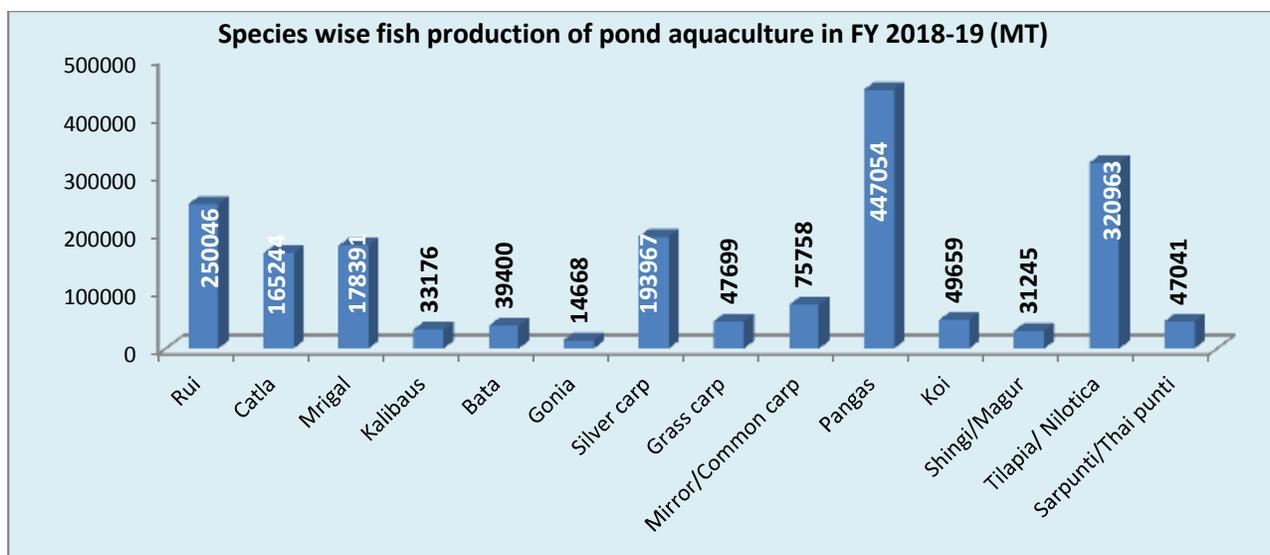


Fig. 3.6: Species wise fish production of pond aquaculture in FY 2018-19

In Bangladesh, on the basis of fish production of pond aquaculture, the top 7 fish species are Pangas, Tilapia, Rui, 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).

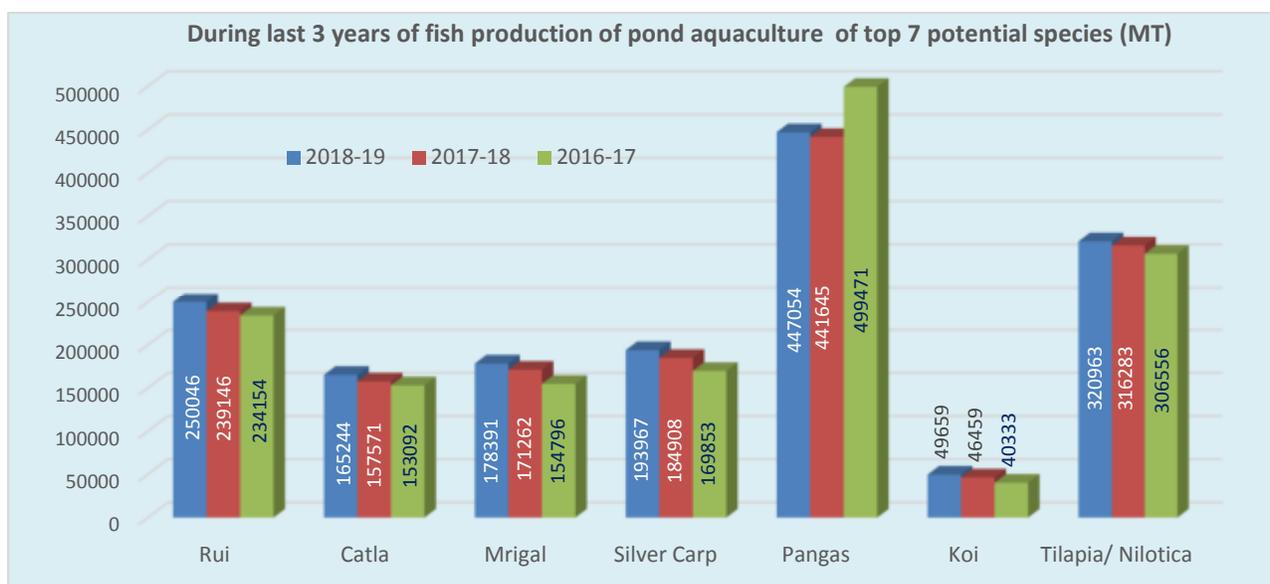


Fig. 3.7: During last 3 years of production performance of top 7 potential species (MT)

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; whereas in 2018-19, inland capture fisheries contributes only 28.19%, inland culture fisheries contributes 56.76% marine fisheries contributes 15.05% to total fish production. Total marine fisheries production is 6.60 lakh MT (Industrial is 1.07 lakh and Artisanal is 5.53 lakh MT) and its growth rate is 0.80%. 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 36 years, aquaculture contribution to total fish production has been increased remarkably from 1983-84 with a value of 15.53% to 2018-19 with a value of 56.76%. Aquaculture production including the pond, ditches, shrimp, baor etc. showed an increasing trend from 2007-08 with a value of 39.23% to 2018-19 with a value of 56.76% which is shown in following graph (Fig. 3.8).

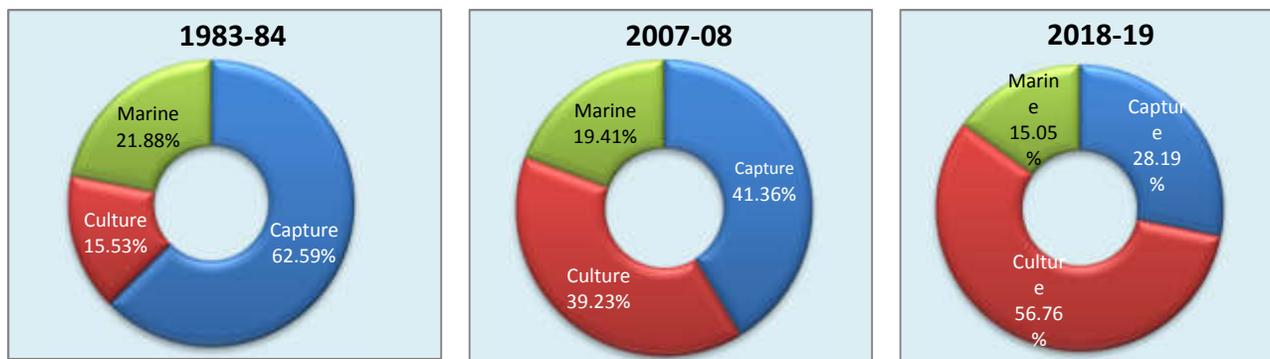


Fig. 3.8: The contribution of inland capture, culture and marine fisheries to total fish production

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 12.15% 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 5.33 lakh MT in 2018-19. The growth rate of hilsa production is 3.02%. 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 5.33 lakh MT in 2018-19. 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 12.15% 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).

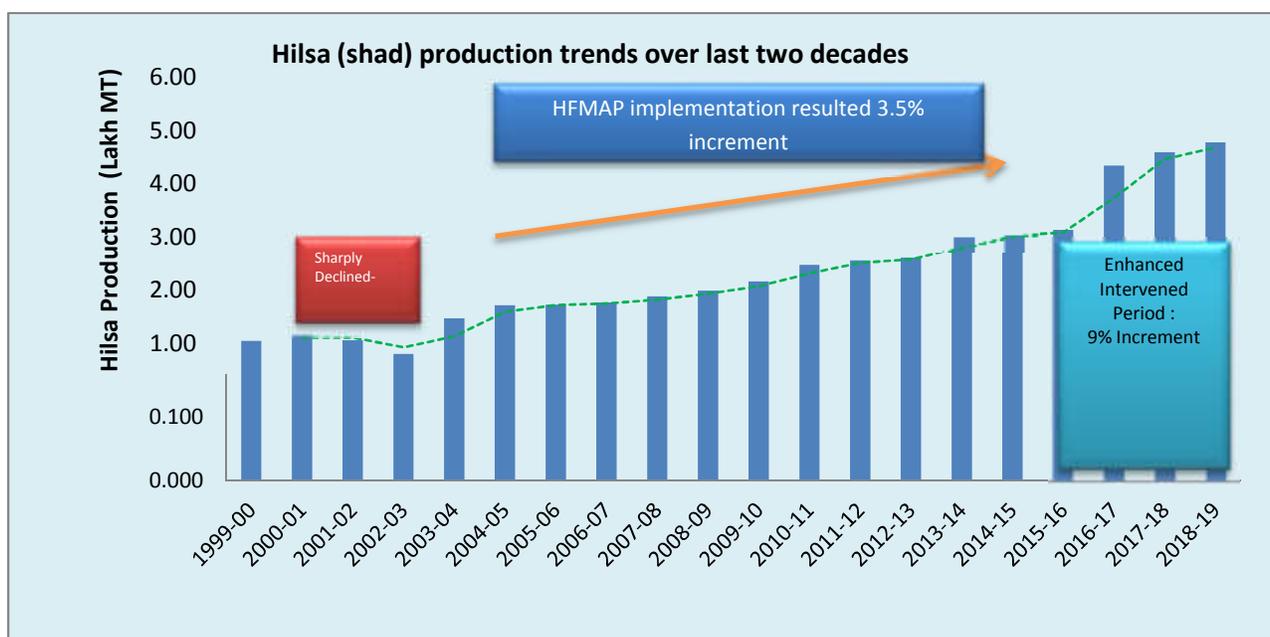


Fig. 3.9: Hilsa (shad) production trends over last two decades

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 2.58 lakh MT in 2018-19 and its growth rate is 1.44%. 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.

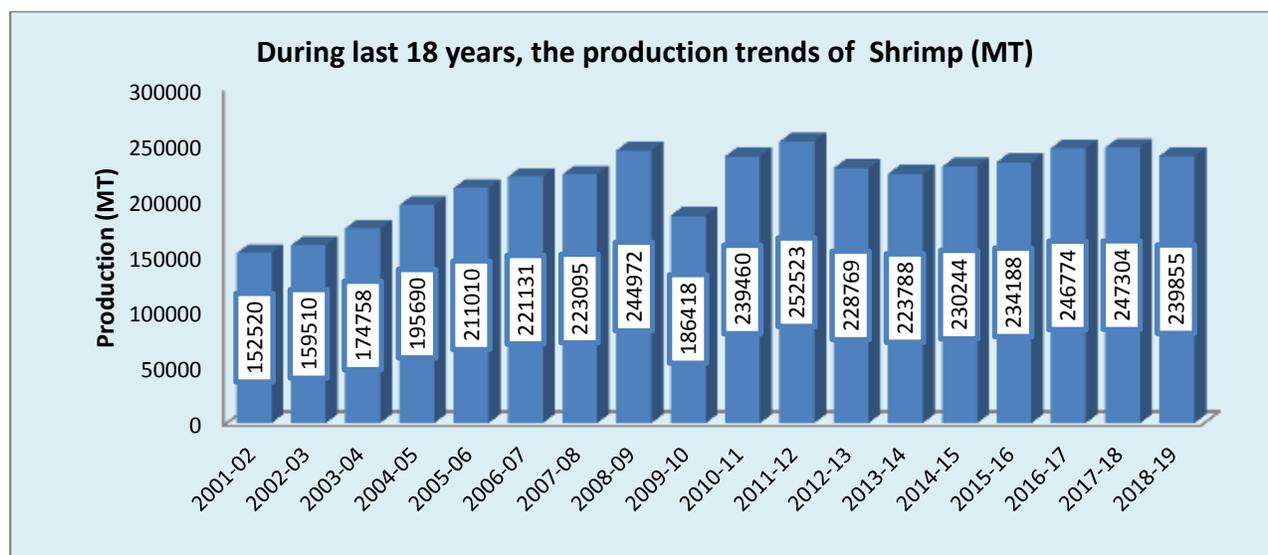


Fig. 3.10: Shrimp production trends during last 18 years

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 2018-19, Bangladesh earned 4250.31 crore taka (as per EPB) by exporting 73171.31 MT fish and fishery products. During last two decades, the export trends of shrimp (MT) corresponding foreign earnings (in crore) are shown in the following graph (Fig. 3.11).

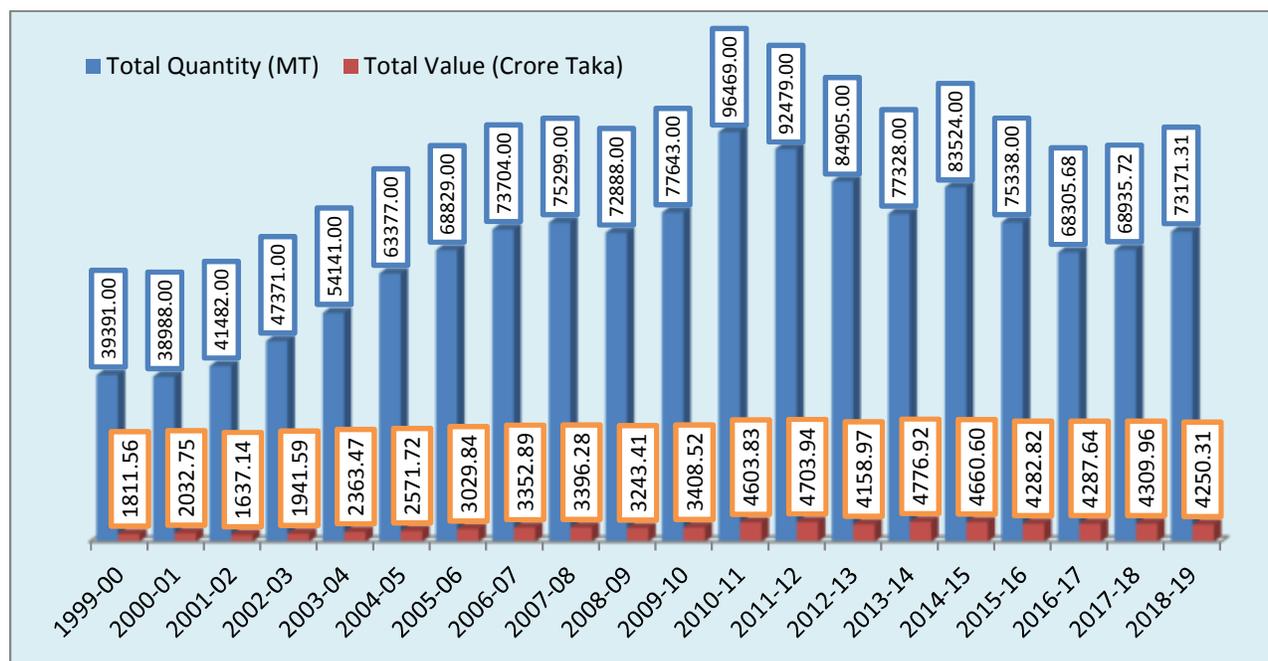


Fig. 3.11: During last two decades, the export trends of shrimp and corresponding foreign earnings

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 2018-19

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	325478	7.42	381 kg/ha
2. Sundarbans	177700	18282	0.42	103 kg/ha
3. Beel	114161	99890	2.28	875 kg/ha
4. Kaptai Lake	68800	10578	0.24	154 kg/ha
5. Floodplain	2675758	781481	17.82	292 kg/ha
Capture Total	3890282	1235709	28.19	
(ii) Inland Closed Water (Culture)				
6. Pond	397775	1974632	45.04	4964 kg/ha
7. Seasonal waterbody cultured	144217	217340	4.96	1507 kg/ha
8. Baor	5671	10343	0.24	1824 kg/ha
9. Shrimp/Prawn Farm	258553	258039	5.89	998 kg/ha
10. Crab*	9377	12084	0.28	1289 kg/ha
11. Pen Culture	6330	12361	0.28	1953 kg/ha
12. Cage Culture**	1.76 lakh cu.m	3802	0.09	22 kg/cu. m
Culture Total	821923	2488601	56.76	
Inland Fisheries Total	4712205	3724310	84.95	
B. Marine Fisheries				
13. Industrial (Trawling)		107236	2.45	
14. Artisanal		552675	12.61	
Marine Fisheries Total		659911	15.05	
COUNTRY TOTAL		4384221	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 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 means 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.

* Crab production has been included since 2015-16.

** Volume of cage is 1,76,213 cubic meter assuming one-meter average depth of the cages over 17.62 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 2018-19

[Unit: Metric Ton]

Sl. No.	Species/Group	Inland Fisheries	Marine Fisheries	Total	%
1	Major Carp	875624	0	875624	19.97
2	Other Carp	116130	0	116130	2.65
3	Exotic Carp	476762	0	476762	10.87
4	Pangas (Cat Fish)	458307	0	458307	10.45
5	Other Cat Fish	69636	0	69636	1.59
6	Snake Head	75147	0	75147	1.71
7	Live Fish	152242	0	152242	3.47
8	Tilapia	390559	0	390559	8.91
9	Other Inland fish	562585	0	562585	12.83
10	Hilsa/Illish (<i>Tenualosa ilisha</i>)	242479	290316	532795	12.15
11	Shrimp/Prawn	197106	42749	239855	5.47
12	Crab (<i>Scylla Serrata</i> & <i>Scylla Olivacea</i>)	12084	0	12084	0.28
13	Sarpunti (<i>Puntius sarana</i>)	95649	0	95649	2.18
14	Sardine (<i>Sardinella fimbriata</i>)	0	28256	28256	0.64
15	Bombay Duck (<i>Harpondon nehereus</i>)	0	68101	68101	1.55
16	Indian Salmon (<i>Polydactylus indicus</i>)	0	295	295	0.01
17	Pomfret (Rup/ Hail/ Foli Chanda)	0	11004	11004	0.25
18	Jew Fish (Poa, Lambu, Kaladatina etc.)	0	41600	41600	0.95
19	Sea Cat Fish (<i>Tachysurus spp.</i>)	0	11455	11455	0.26
20	Shark/ Skate / Ray	0	4274	4274	0.10
21	Other Marine Fish	0	161861	161861	3.69
	Total	3724310	659911	4384221	100.00
	%	84.95	15.05	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
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 2015-2016.

Table 3.3. Species-wise Annual Fish Production of Inland Waterbodies in 2018-19

[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	3121	0	13152	7	43874	250046	50967	1491	28482	1702	0	392843	10.55
2	Catla	1952	0	8464	18	18837	165244	22735	866	21254	1189	0	240558	6.46
3	Mrigal	1393	0	9212	5	23745	178391	24100	598	3694	1085	0	242223	6.50
4	Kalibaus	623	0	1772	16	2868	33176	389	41	0	135	0	39020	1.05
5	Bata	1620	0	1577	52	1183	39400	9852	232	2559	294	0	56769	1.52
6	Gonia	34	0	1055	0	1815	14668	2399	18	189	163	0	20341	0.55
7	Silver carp	0	0	4510	0	2514	193967	34974	1736	14305	927	0	252933	6.79
8	Grass carp	0	0	1985	4	6714	47699	11308	582	621	303	0	69217	1.86
9	Mirror/Common carp	0	0	2497	0	22248	75758	22223	450	585	267	0	124028	3.33
10	Other Exotic carp	0	0	797	0	0	29544	0	49	0	195	0	30585	0.82
11	Pangas	890	0	179	0	9866	447054	0	0	0	318	0	458307	12.31
12	Boal/Air	2886	0	4564	261	60832	786	116	144	0	47	0	69636	1.87
13	Shol/Gazar/Taki	809	0	3476	39	67680	2631	229	240	0	43	0	75147	2.02
14	Koi	103	0	2803	0	9167	49659	1343	12	0	16	0	63103	1.69
15	Shingi/Magur	97	0	1937	5	55790	31245	45	12	0	8	0	89139	2.39
16	Tilapia/ Nilotica	0	0	1489	23	0	320963	22086	398	38789	3009	3802	390559	10.49
17	Sarpunti/Thai punti	200	0	4179	0	19227	47041	8170	185	15318	1329	0	95649	2.57
18	Other Inland Fish	56530	17253	32074	9972	389877	40986	4649	2859	7133	1252	0	562585	15.11
19	Hilsa	241817	662	0	0	0	0	0	0	0	0	0	242479	6.51
20	Big Shrimp/ Prawn	3982	148	58	0	1874	2016	683	14	121571	0	0	130346	3.50
21	Small Shrimp/ Prawn	9421	219	4110	175	43370	4358	1072	416	3539	79	0	66759	1.79
22.	Crab	0	0	0	0	0	0	0	0	12084	0	0	12084	0.32
Total		325478	18282	99890	10578	781481	1974632	217340	10343	270123	12361	3802	3724310	100.00
%		8.74	0.49	2.68	0.28	20.98	53.02	5.84	0.28	7.25	0.33	0.10	100.00	

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 Waterbodies in 2018-19

(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	1156	0	804	0	5917	8046	3429	0	0	820	35	20207
Faridpur	2046	0	486	0	8967	18078	5849	722	9.5	1105	4	37266
Gazipur	502	0	1665	0	16099	26298	8588	0	0	905	0	54057
Gopalganj	605	0	660	0	7357	15713	941	676	5415.02	3595	30	34992
Kishoreganj	2403	0	6781	0	42094	22801	1366	0	0.26	945	20	76410
Madaripur	1396	0	242	0	7954	12153	123	1138	246.60	746	254	24253
Manikganj	2794	0	647	0	10464	10625	3701	0	8	814	0	29053
Munshiganj	3111	0	231	0	11432	10051	3940	0	8.59	167	63	29003
Narayanganj	1820	0	120	0	1441	10107	3034	0	0	1253	0	17775
Narsingdi	2578	0	1185	0	11629	22166	1558	0	1.65	120	361	39599
Rajbari	2894	0	267	0	6228	14552	2280	27	0	0	0	26248
Shariatpur	4616	0	43	0	5169	14351	977	0	50.55	37	8	25252
Tangail	1188	0	2303	0	10713	40581	1471	0	5.70	8	0	56270
Dhaka Division	27109	0	15434	0	145464	225522	37257	2563	5745.87	10515	775	470385
Jamalpur	2950		3190		9112	16415	2139		0.67	518	17	34342
Mymensingh	1268		6349		10227	370836	890	0	0.8	0	15	389586
Netrakona	1437		6634		42880	35364	2644	0	2.64	94	0	89056
Sherpur	959		2509		2314	26296	2135	0	0	0	0	34213
Mymensingh Division	6614	0	18682	0	64533	448911	7808	0	4.11	612	32	547197
Bagerhat	5260	17035.12	25		4946	13888	1711	9	66399.50	0	12	109286
Chuadanga	345		1077		1283	10907	1562	1600	0	0	8	16782
Jashore	963		1695		34357	123051	26325	3391	32315.91	59	11	222168
Jhenaidah	346		1035		5979	24220	3245	1758	13.75	0	0	36597
Khulna	3481	701.19	198		19741	15449	983	0	62337.4	8	0	102899
Kushtia	1750		442		3627	20739	4124	184	0.92	12	44	30923
Magura	1114		147		2543	10699	112	392	5.89	0	24	15037
Meherpur	283		383		846	6919	161	251	0	0	28	8871
Narail	953		543		3039	4399	576	0	4585.37	0	0	14095
Satkhira	1303	546.12	25		13849	34475	1662	195	71125.30	0	0	123180
Khulna Division	15798	18282.43	5570		90210	264746	40461	7780	236784.05	79	127	679838
Barguna	5845		0		2515	7505	1892		537.29	7	38	18339
Barishal	40503		24		8148	37538	8056		3462.882	4	70	97806
Bhola	86135		0		3682	38559	381		169.36	0	150	129076
Jhalokathi	1936		10		3799	4549	552		121	395	28	11390
Patuakhali	30175		0		10023	20626	180		3286	3	16	64309
Pirojpur	3487		10		3753	7397	2299		1740.07	0	24	18710
Barishal Division	168081		44		31920	116174	13360		9316.602	409	326	339630

(Unit: Metric Ton)

District	River	Sundarbans	Beel	Kaptai Lake	Flood Plain	Pond	Seasonal cultured water body	Baor	Shrimp/Prawn Farm	Pen Culture	Cage Culture	Total
Dinajpur	291		532		5895	43250	2662		20.4	0	13	52663
Gaibandha	2099		539		5631	26250	743		5.66	32	23	35323
Kurigram	3857		1561		11466	17304	4757		9.16	137	103	39194
Lalmonirhat	204		562		1604	11737	3757		3.41	11	0	17878
Nilphamari	199		496		3477	17551	688		1.89	32	8	22453
Panchagarh	122		57		2636	12455	371		0.71	5	9	15656
Rangpur	153		1763		8373	26550	3619		4.25	27	0	40489
Thakurgaon	114		205		3678	21929	332		1.48	0	12	26271
Rangpur Division	7039		5715		42760	177026	16929		46.96	244	168	249927
Bogura	840		2485		4485	72265	696		2.97	61	0	80835
Chapai Nawabganj	1928		3007		1439	10326	233		0	26	72	17031
Joypurhat	187		240		125.12	21678	588		19.215	3	0	22840
Naogaon	1284		5136		14786	55372	637		2.15	0	64	77281
Natore	835		951		24918	35540	417		3.32	0	32	62696
Pabna	4199		2453		10259	46195	2951		11.06	3	38	66109
Rajshahi	2458		4080		5969	59132	6249		9.07	0	11	77908
Sirajganj	4179		676		32117	20035	1112		3.68	0	561	58684
Rajshahi Division	15910		19028		94098	320543	12883		51.465	93	778	463384
Bandarban	146		0		157	1207	0		4.06	0	0	1514
Brahmanbaria	1985		479		19809	34447	2790		0	16	197	59723
Chandpur	35158		278		23074	37541	1806		144.27	90	984	99075
Chattogram	6957		49		676	63476	3666		1708.45	0	0	76532
Cumilla	963		277		70755	110209	74460		172.6	60	50	256947
Cox's Bazar	2326		0		1246	4764	156		15659.57	0	0	24152
Feni	1291		0		6594	22921	231		65.7	4	42	31149
Khagrachhari	212		52		256	2792	56		0	0	0	3368
Lakshmipur	22587		0		10046	29728	800		56.3	0	75	63292
Noakhali	9942		0		26617	46905	1153		345.2	0	0	84962
Rangamati	209		0	10578	0	827	0		0	210	105	11929
Chattogram Division	81776		1135	10578	159230	354817	85118		18156.15	380	1453	712643
Habiganj	987		2302		27651	16849	267		11.85	0	0	48068
Moulvi Bazar	474		2858		22101	21575	1067		1.92	0	35	48112
Sunamganj	846		23877		63715	10691	965		0.63	19	63	100177
Sylhet	844		5245		39799	17778	1225		3.46	10	45	64949
Sylhet Division	3151		34282		153266	66893	3524		17.86	29	143	261306
Total	325478	18282	99890	10578	781481	1974632	217340	10343	270123	12361	3802	3724310
%	8.74	0.49	2.68	0.28	20.98	53.02	5.84	0.28	7.25	0.33	0.10	100

Note: Shrimp Farm production included Crab production.

Table 3.5. District-wise Annual Fish Catch of All Rivers in 2018-19

[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	709	0	0	0	709	447	1156
Faridpur	0	0	1490	0	0	0	1490	556	2046
Gazipur	0	0	0	0	0	0	0	502	502
Gopalganj	0	0	0	0	0	0	0	605	605
Kishoreganj	0	1020	0	0	0	0	1020	1383	2403
Madaripur	0	0	1161	0	0	0	1161	235	1396
Manikganj	0	0	1685	0	758	0	2443	351	2794
Munshiganj	0	1383	1335	0	0	0	2718	393	3111
Narayanganj	0	1353	0	0	0	0	1353	467	1820
Narshingdi	0	2067	0	0	0	0	2067	511	2578
Rajbari	0	0	1053	1199	0	0	2252	642	2894
Shariatpur	1313	0	2919	0	0	0	4232	384	4616
Tangail	0	0	0	0	936	0	936	252	1188
Dhaka Division	1313	5823	10352	1199	1694	0	20381	6728	27109
Jalalpur	0	0	0	0	661	2085	2746	204	2950
Mymensingh	0	0	0	0	0	0	0	1268	1268
Netrakona	0	0	0	0	0	0	0	1437	1437
Sherpur	0	0	0	0	0	0	0	959	959
Mymensingh Division	0	0	0	0	661	2085	2746	3868	6614
Bagerhat	0	0	0	0	0	0	0	5260	5260
Chuadanga	0	0	0	0	0	0	0	345	345
Jashore	0	0	0	0	0	0	0	963	963
Jhenaidah	0	0	0	0	0	0	0	346	346
Khulna	0	0	0	0	0	0	0	3481	3481
Kushtia	0	0	0	720	0	0	720	1030	1750
Magura	0	0	0	0	0	0	0	1114	1114
Meherpur	0	0	0	0	0	0	0	283	283
Narail	0	0	0	0	0	0	0	953	953
Satkhira	0	0	0	0	0	0	0	1303	1303
Khulna Division	0	0	0	720	0	0	720	15078	15798
Barguna	0	0	0	0	0	0	0	5845	5845
Barishal	35945	0	0	0	0	0	35945	4558	40503
Bhola	82720	0	0	0	0	0	82720	3415	86135
Jhalokathi	0	0	0	0	0	0	0	1936	1936
Patuakhali	0	0	0	0	0	0	0	30175	30175
Pirojpur	0	0	0	0	0	0	0	3487	3487
Barishal Division	118665	0	0	0	0	0	118665	49416	168081

[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	291	291
Gaibandha	0	0	0	0	213	1377	1590	509	2099
Kurigram	0	0	0	0	0	3309	3309	548	3857
Lalmonirhat	0	0	0	0	0	0	0	204	204
Nilphamari	0	0	0	0	0	0	0	199	199
Panchagarh	0	0	0	0	0	0	0	122	122
Rangpur	0	0	0	0	0	0	0	153	153
Thakurgaon	0	0	0	0	0	0	0	114	114
Rangpur Division	0	0	0	0	213	4686	4899	2140	7039
Bogura	0	0	0	0	130	0	130	710	840
Chapai Nawabganj	0	0	0	1125	0	0	1125	803	1928
Joypurhat	0	0	0	0	0	0	0	187	187
Naogaon	0	0	0	0	0	0	0	1284	1284
Natore	0	0	0	498	0	0	498	337	835
Pabna	0	0	0	1852	1032	0	2884	1315	4199
Rajshahi	0	0	0	1531	0	0	1531	927	2458
Sirajganj	0	0	0	0	2301	0	2301	1878	4179
Rajshahi Division	0	0	0	5006	3463	0	8469	7441	15910
Bandarban	0	0	0	0	0	0	0	146	146
Brahmanbaria	0	1322	0	0	0	0	1322	663	1985
Chandpur	31683	0	0	0	0	0	31683	3475	35158
Chattogram	0	0	0	0	0	0	0	6957	6957
Cumilla	0	422	0	0	0	0	422	541	963
Cox's Bazar	0	0	0	0	0	0	0	2326	2326
Feni	0	0	0	0	0	0	0	1291	1291
Khagrachhari	0	0	0	0	0	0	0	212	212
Lakshmipur	22318	0	0	0	0	0	22318	269	22587
Noakhali	9831	0	0	0	0	0	9831	111	9942
Rangamati	0	0	0	0	0	0	0	209	209
Chattogram Division	63832	1744	0	0	0	0	65576	16200	81776
Habiganj	0	188	0	0	0	0	188	799	987
Moulvibazar	0	0	0	0	0	0	0	474	474
Sunamganj	0	0	0	0	0	0	0	846	846
Sylhet	0	0	0	0	0	0	0	844	844
Sylhet Division	0	188	0	0	0	0	188	2963	3151
Total	183810	7755	10352	6925	6031	6771	221644	103834	325478
%	56.14	2.38	3.18	2.13	1.85	2.08	68.10	31.90	100

Annual Growth rate :1.52%

Table 3.6. Species-wise Annual Fish Catch of All Rivers in 2018-19

[Unit : Metric Ton]

Sl. No.	Species	Lower Meghna	Upper Meghna	Lower Padma	Upper Padma	Jamuna	Brahma Putra	Other River	Total	%
1	Rui	168	263	246	217	188	197	1842	3121	0.96
2	Catla	119	142	159	147	124	156	1105	1952	0.60
3	Mrigal	90	123	135	63	107	141	734	1393	0.43
4	Kalibaus	0	32	60	42	35	89	365	623	0.19
5	Bata	1228	101	0	0	9	0	282	1620	0.50
6	Gonia	0	15	0	0	0	0	19	34	0.01
7	Pangas	372	61	72	189	0	0	196	890	0.27
8	Boal/Air	296	141	307	203	273	420	1246	2886	0.89
9	Shol/Gazar/Taki	0	0	0	0	0	0	809	809	0.25
10	Koi	0	0	0	0	0	0	103	103	0.03
11	Shingi/Magur	0	0	0	0	0	0	97	97	0.03
12	Sarpunti	0	0	180	0	0	0	20	200	0.06
13	Other Inland Fish	3453	5292	3636	4713	4527	4694	30215	56530	17.37
14	Hilsa/Ilish	177254	1088	5279	1132	340	206	56518	241817	74.30
15	Galda	325	137	66	21	17	71	271	908	0.28
16	Bagda	0	0	0	0	0	0	32	32	0.01
17	Harina	0	0	0	0	0	0	3025	3025	0.93
18	Chaka	0	0	0	0	0	0	17	17	0.01
19	Other small shrimp/prawn	505	360	212	198	411	797	6938	9421	2.89
Total		183810	7755	10352	6925	6031	6771	103834	325478	100.00

- Total Production (Principal River) = 221644 M. Ton. Hilsa Production (Principal River) = 185299 M. Ton.
- Total Production (Other River) = 103834 M.Ton. Hilsa Production (Other River) = 56518 M. Ton.
- Annual Growth rate: 1.52%. (Hilsa: 4.20%)

Table 3.7. Species-wise Annual Fish Catch of Principal River- Meghna in 2018-19

[Unit : Metric Ton]

Sl. No.	Species	Lower Meghna							Upper Meghna							Total	
		Noakhali	Bhola	Barishal	Lakshmipur	Sariatpur	Chandpur	Sub-Total	Munshiganj	Narayanganj	Cumilla	Narshingdi	Brahmanbaria	Kishoreganj	Habiganj		Sub-Total
1	Rui	15	42	44	16	21	30	168	20	0	35	14	87	107	0	263	431
2	Catla	14	20	31	13	19	22	119	15	0	17	9	56	45	0	142	261
3	Mrigal	8	20	16	20	5	21	90	9	0	16	2	41	55	0	123	213
4	Kalibaus	0	0	0	0	0	0	0	3	0	8	0	9	12	0	32	32
5	Bata	150	61	197	745	0	75	1228	17	0	12	0	26	46	0	101	1329
6	Gonia	0	0	0	0	0	0	0	0	0	3	0	12	0	0	15	15
7	Pangas	0	141	125	0	26	80	372	8	0	8	6	15	24	0	61	433
8	Boal/Air	0	140	55	0	19	82	296	10	0	35	7	64	25	0	141	437
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	Other Inland Fish	190	917	1076	591	39	640	3453	846	1231	169	1856	670	368	152	5292	8745
14	Hilsa/Ilish	9387	81162	34030	20825	1166	30684	177254	382	107	0	152	280	167	0	1088	178342
15	Galda	27	90	145	63	0	0	325	13	0	27	6	22	69	0	137	462
16	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other small shrimp/prawn	40	127	226	45	18	49	505	60	15	92	15	40	102	36	360	865
	Total	9831	82720	35945	22318	1313	31683	183810	1383	1353	422	2067	1322	1020	188	7755	191565

Table 3.8. Species-wise Annual Fish Catch of Principal River- Padma in 2018-19

[Unit : Metric Ton]

Sl. No.	Species	Lower Padma								Upper Padma						Total	
		Sariatpur	Madaripur	Munshiganj	Dhaka	Manikganj	Faridpur	Rajbari	Sub-Total	Rajbari	Kushtia	Pabna	Natore	Rajshahi	C. Nawabganj		Sub-Total
1	Rui	62	35	20	33	31	35	30	246	38	13	57	26	40	43	217	463
2	Catla	36	17	18	32	22	18	16	159	21	8	35	16	32	35	147	306
3	Mrigal	37	15	11	31	15	19	7	135	12	3	7	6	16	19	63	198
4	Kalibaus	15	10	8	10	7	7	3	60	7	2	15	5	7	6	42	102
5	Bata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Gonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pangas	17	11	9	12	9	8	6	72	0	6	35	31	74	43	189	261
8	Boal/Air	40	51	85	35	35	50	11	307	15	9	51	17	50	61	203	510
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	47	37	21	35	12	13	15	180	0	0	0	0	0	0	0	180
13	Other Inland Fish	255	785	560	315	374	942	405	3636	765	133	1517	372	1095	831	4713	8349
14	Hilsa/Ilish	2384	185	570	118	1140	357	525	5279	287	535	95	10	173	32	1132	6411
15	Galda	5	6	11	9	8	13	14	66	6	2	2	0	0	11	21	87
16	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Chaka	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
19	Other small shrimp/prawn	21	9	22	79	32	28	21	212	48	9	38	15	44	44	198	410
Total		2919	1161	1335	709	1685	1490	1053	10352	1199	720	1852	498	1531	1125	6925	17277

Table 3.9. Species-wise Annual Fish Catch of Principal River-Jamuna and Brahmaputra in 2018-19

[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	12	61	15	188	102	38	57	197	385	1279
2	Catla	8	9	22	40	5	35	5	124	75	37	44	156	280	847
3	Mrigal	7	6	25	39	4	21	5	107	74	30	37	141	248	659
4	Kalibaus	5	0	16	5	0	9	0	35	30	33	26	89	124	258
5	Bata	0	5	0	4	0	0	0	9	0	0	0	0	9	1338
6	Gonia	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	694
8	Boal/Air	62	49	80	6	13	42	21	273	150	150	120	420	693	1640
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	180
13	Other Inland Fish	574	834	630	1978	58	349	104	4527	1268	790	2636	4694	9221	26315
14	Hilsa/Ilish	0	50	37	146	1	101	5	340	8	8	190	206	546	185299
15	Galda	0	4	7	0	6	0	0	17	40	31	0	71	88	637
16	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other small shrimp/prawn	85	61	82	51	31	43	58	411	338	260	199	797	1208	2483
Total		758	1032	936	2301	130	661	213	6031	2085	1377	3309	6771	12802	221644

Table 3.10. Species-wise Annual Fish Catch of Other Rivers in 2018-19

[Unit : Metric Ton]

Sl. No.	Species	Dhaka	Faridpur	Gazipur	Gopalganj	Jamalpur	Kisorganj	Madaripur	Manikganj	Munshiganj	Mymensingh	Narayanganj	Narsingdi	Netrakona	Rajbari	Sariatpur	Sherpur	Tangail	Sub-total
1	Rui	43	22	14	44	19	58	10	15	11	35	0	11	30	25	18	81	10	446
2	Catla	37	15	15	22	10	25	5	11	5	15	0	6	10	9	13	78	7	283
3	Mrigal	20	10	10	25	10	12	0	6	4	10	0	4	11	5	9	47	5	188
4	Kalibaus	15	10	9	12	8	0	0	4	3	91	0	0	20	9	8	35	4	228
5	Bata	0	0	9	0	1	0	0	4	0	0	0	0	0	0	0	0	0	14
6	Gonia	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7	Pangas	0	6	0	6	3	0	0	0	22	0	0	0	0	11	0	0	4	52
8	Boal/Air	33	23	5	17	4	51	9	9	82	92	0	0	21	33	13	78	9	479
9	Shol/Gazar/Taki	28	0	10	40	5	9	0	5	0	11	0	0	9	5	6	60	0	188
10	Koi	5	0	0	22	4	0	0	4	0	0	0	0	0	0	0	17	0	52
11	Shingi/Magur	0	0	0	0	1	0	0	5	0	0	0	0	0	0	0	16	0	22
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Other Inland Fish	127	412	308	278	128	1225	183	250	221	970	444	416	1312	323	286	233	186	7302
14	Hilsa/Ilish	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
15	Galda	10	10	0	10	1	0	0	5	14	6	0	13	0	14	5	41	5	134
16	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other small shrimp/prawn	129	48	122	122	9	3	28	33	31	38	23	61	24	208	26	273	22	1200
Total		447	556	502	605	204	1383	235	351	393	1268	467	511	1437	642	384	959	252	10596

[Unit : Metric Ton]

Sl. No.	Species	Bagerhat	Chuadanga	Jashore	Jhenaidah	Khulna	Kushtia	Magura	Meherpur	Narail	Satkhira	Barguna	Barishal	Bhola	Jhalokathi	Patuakhali	Pirojpur	Sub-total
1	Rui	0	16	27	5	0	48	80	2	50	0	0	0	0	0	0	0	228
2	Catla	0	17	14	4	0	32	71	1	11	0	0	0	0	0	0	0	150
3	Mrigal	0	0	5	0	0	0	8	1	45	0	0	0	0	0	0	0	59
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	Gonia	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	3	0	0	22	0	10	11	9	0	0	0	0	0	0	55
9	Shol/Gazar/Taki	9	24	75	24	30	19	0	30	35	74	0	0	0	0	0	0	320
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	5	0	0	0	13	0	0	0	0	0	0	33
12	Sarpunti	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
13	Other Inland Fish	1574	155	647	149	1081	479	756	92	363	198	965	1954	382	736	523	2018	12072
14	Hilsa/Ilish	825	0	0	0	935	0	0	0	3	0	4850	2506	2997	1058	29641	1441	44256
15	Galda	0	0	0	0	19	5	0	0	0	0	0	14	5	15	0	0	58
16	Bagda	0	0	0	0	18	0	0	0	0	0	0	8	0	0	6	0	32
17	Harina	1817	0	0	0	612	0	0	0	0	521	0	21	12	39	0	3	3025
18	Chaka	7	0	0	0	5	0	0	0	0	5	0	0	0	0	0	0	17
19	Other small shrimp/prawn	1028	133	177	158	781	413	199	147	374	483	27	55	19	88	5	25	4112
Total		5260	345	963	346	3481	1030	1114	283	953	1303	5845	4558	3415	1936	30175	3487	64494

[Unit : Metric Ton]

Sl. No.	Species	Dinajpur	Gaibanda	Kurigram	Lalmonirhat	Nilphamari	Panchagar	Rangpur	Thakurgoan	Bogura	C Nawabganj	Joypurhat	Naogaon	Natore	Pabna	Rajshahi	Sirajganj	Sub-total
1	Rui	0	58	11	10	6	0	9	0	52	81	41	112	90	118	73	103	764
2	Catla	0	42	4	8	5	0	9	0	49	59	29	67	66	70	47	70	525
3	Mrigal	0	19	17	6	3	0	5	0	40	63	12	44	24	69	34	34	370
4	Kalibaus	0	20	0	3	0	0	7	0	0	0	0	3	12	8	0	8	61
5	Bata	0	13	0	3	0	0	0	0	0	0	0	3	8	0	0	5	32
6	Gonia	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	3	9
7	Pangas	0	23	0	0	0	0	0	0	2	15	0	5	5	10	23	24	107
8	Boal/Air/Guizza Air	0	53	50	30	0	0	7	0	8	22	9	5	6	37	30	15	272
9	Shol/Gazar/Taki	0	10	0	10	0	0	0	0	0	0	5	3	7	47	3	5	90
10	Koi	0	0	0	0	0	0	0	0	0	0	0	3	3	0	3	3	12
11	Shingi/Magur	0	0	0	0	0	0	0	0	0	0	0	3	2	0	3	1	9
12	Sarpunti	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	1	6
13	Other Inland Fish	283	230	443	98	122	104	99	96	540	546	64	973	58	885	644	1449	6634
14	Hilsa/Ilish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Galda	0	0	0	3	3	0	0	0	0	0	0	0	5	0	6	6	23
16	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other small shrimp/prawn	8	41	23	33	60	18	17	18	19	17	27	60	46	71	58	151	667
Total		291	509	548	204	199	122	153	114	710	803	187	1284	337	1315	927	1878	9581

[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	59	5	70	0	57	0	3	3	5	33	14	42	49	404	1842
2	Catla	5	27	7	2	15	0	53	0	1	1	4	11	8	13	0	147	1105
3	Mrigal	5	10	2	1	6	0	51	0	1	0	3	18	5	15	0	117	734
4	Kalibaus	0	4	5	1	5	0	0	0	0	0	2	0	0	0	59	76	365
5	Bata	0	3	0	0	0	0	80	0	8	3	3	0	21	61	0	179	282
6	Gonia	0	4	2	0	0	0	3	0	0	0	0	0	0	0	0	9	19
7	Pangas	0	10	0	0	0	0	0	0	1	1	0	0	7	9	9	37	196
8	Boal/Air/Guizza Air	0	105	46	0	61	0	85	0	4	3	13	0	8	56	59	440	1246
9	Shol/Gazar/Taki	0	13	49	0	17	0	72	0	3	1	11	0	6	21	18	211	809
10	Koi	0	3	0	0	4	0	0	0	3	1	0	0	5	4	3	23	103
11	Shingi/Magur	6	5	0	0	4	0	0	0	3	1	0	0	6	5	3	33	97
12	Sarpunti	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	10	20
13	Other Inland Fish	75	393	473	39	256	17	501	195	55	29	164	658	338	496	518	4207	30215
14	Hilsa/Ilish	0	0	2810	6883	0	2289	35	0	165	61	0	0	1	5	6	12255	56518
15	Galda	0	3	5	5	27	6	0	0	4	1	0	0	4	1	0	56	271
16	Bagda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
17	Harina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3025
18	Chaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
19	Other small shrimp/prawn	48	21	17	21	71	14	354	17	18	6	4	79	51	118	120	959	6938
Total		146	663	3475	6957	541	2326	1291	212	269	111	209	799	474	846	844	19163	103834

Table 3.11. Annual Fish Production of Sundarbans Fisheries in 2018-19

[Unit : Metric Ton]

Zone	District	Hilsa	Big Shrimp/ Prawn	Small Shrimp/ Prawn	Other Fish	Total
East Sundarbans	Bagerhat	144	47.23	193.38	16650.51	17035.12
West Sundarbans	Khulna	298	73.4	18.35	311.44	701.19
West Sundarbans	Satkhira	220	27.85	7.29	290.98	546.12
Total	-	662	148.48	219.02	17252.93	18282.43
%	-	3.62	0.81	1.20	94.37	100

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

Annual Growth Rate: 0.31 (Hilsa: 4.80%, Shrimp: 5.36% and other species: 0.05%)

Table 3.12. Annual Fish Production of Beels in 2018-19

Sl. No.	District	Natural Source		Beel Nursery Program		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	918	714	78	90	996	804
2	Faridpur	229	204	197	282	426	486
3	Gazipur	1550	1448	170	217	1720	1665
4	Gopalganj	659	425	242	235	901	660
5	Kishoreganj	5273	4798	1564	1983	6837	6781
6	Madaripur	112	88	151	154	263	242
7	Manikganj	513	329	259	318	772	647
8	Munshiganj	331	212	18	19	349	231
9	Narayanganj	203	110	13	10	216	120
10	Narsingdi	976	942	188	243	1164	1185
11	Rajbari	95	58	154	209	249	267
12	Shariatpur	72	40	4	3	76	43
13	Tangail	1965	1906	368	397	2333	2303
Dhaka Division		12896	11274	3406	4160	16302	15434
14	Jalalpur	2602	2148	758	1042	3360	3190
15	Mymensingh	6850	5894	496	455	7346	6349
16	Netrakona	8347	6620	8	14	8355	6634
17	Sherpur	3433	2405	75	104	3508	2509
Mymensingh Division		21232	17067	1337	1615	22569	18682
18	Bagerhat	39	19	9	6	48	25
19	Chuadanga	1146	1055	15	22	1161	1077
20	Jashore	2530	1430	180	265	2710	1695
21	Jhenaidah	944	843	187	192	1131	1035
22	Khulna	250	181	21	17	271	198
23	Kushtia	430	295	157	147	587	442
24	Magura	290	112	42	35	332	147
25	Meherpur	417	310	32	73	449	383
26	Narail	533	311	331	232	864	543
27	Satkhira	41	21	5	4	46	25
Khulna Division		6620	4577	979	993	7599	5570
28	Barguna	0	0	0	0	0	0
29	Barishal	41	24	0	0	41	24
30	Bhola	0	0	0	0	0	0
31	Jhalokathi	14	10	0	0	14	10
32	Patuakhali	0	0	0	0	0	0
33	Pirojpur	20	10	0	0	20	10
Barishal Division		75	44	0	0	75	44

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	519	5	13	782	532
35	Gaibandha	690	439	129	100	819	539
36	Kurigram	1013	990	338	571	1351	1561
37	Lalmonirhat	325	221	278	341	603	562
38	Nilphamari	576	287	232	209	808	496
39	Panchagarh	94	46	16	11	110	57
40	Rangpur	1789	1621	121	142	1910	1763
41	Thakurgaon	290	157	71	48	361	205
Rangpur Division		5554	4280	1190	1435	6744	5715
42	Bogura	3252	2177	265	308	3517	2485
43	Chapai Nawabganj	4589	2758	215	249	4804	3007
44	Joypurhat	244	185	40	55	284	240
45	Naogaon	5800	3469	1855	1667	7655	5136
46	Natore	1090	682	303	269	1393	951
47	Pabna	1209	1012	1144	1441	2353	2453
48	Rajshahi	4788	3232	1209	848	5997	4080
49	Sirajganj	629	406	273	270	902	676
Rajshahi Division		21601	13921	5304	5107	26905	19028
50	Bandarban	0	0	0	0	0	0
51	Brahmanbaria	338	309	130	170	468	479
52	Chandpur	141	75	220	203	361	278
53	Chattogram	83	45	6	4	89	49
54	Cumilla	188	179	86	98	274	277
55	Cox's Bazar	0	0	0	0	0	0
56	Feni	0	0	0	0	0	0
57	Khagrachhari	49	23	26	29	75	52
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		799	631	468	504	1267	1135
61	Habiganj	2550	1875	428	427	2978	2302
62	Moulvibazar	2524	1813	968	1045	3492	2858
63	Sunamganj	20928	23779	40	98	20968	23877
64	Sylhet	4612	4335	650	910	5262	5245
Sylhet Division		30614	31802	2086	2480	32700	34282
Total		99391	83596	14770	16294	114161	99890

Source	Area (Ha)	Production (MT)	%	MT/Ha	Growth Rate (%)
Natural Source	99391	83596	83.69	0.841	0.17
Beel Nursery Program	14770	16294	16.31	1.103	3.51
Total	114161	99890	100	0.875	0.70

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

Table3.13. Species Composition of Annual Fish Production of Beels in 2018-19

Sl. No.	Species	Total Catch	
		(Metric Ton)	%
1	Rui	13152	13.17
2	Catla	8464	8.47
3	Mrigal	9212	9.22
4	Kalibaus	1772	1.77
5	Bata	1577	1.58
6	Gonia	1055	1.06
7	Silver carp	4510	4.51
8	Grass carp	1985	1.99
9	Mirror/Common carp	2497	2.50
10	Other Exotic carp	797	0.80
11	Pangas	179	0.18
12	Boal/Air	4564	4.57
13	Shol/Gazar/Taki	3476	3.48
14	Koi	2803	2.81
15	Shingi/Magur	1937	1.94
16	Tilapia/ Nilotica	1489	1.49
17	Sarpunti/Thai punti	4179	4.18
18	Big Shrimp/ Prawn	58	0.06
19	Small Shrimp/ Prawn	4110	4.11
20	Other Inland Fish	32074	32.11
Total		99890	100.00

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

Table 3.14. Annual Fish Production of Kaptai Lake in 2018-19

Sl. No.	Species	Production (Metric Ton)	%
1	Rui (<i>Labeo rohita</i>)	7.50	0.07
2	Catla (<i>Catla catla</i>)	17.55	0.17
3	Mrigal (<i>Cirrhinus cirrhosus</i>)	5.11	0.05
4	Kalibaus (<i>Labeo calbasu</i>)	15.74	0.15
5	Bata (<i>Labeo Bata</i>)	51.92	0.49
6	Gonia (<i>Labeo gonius</i>)	0.00	0.00
7	Silver Carp (<i>Hypophthalmichthys molitrix</i>)	0.08	0.00
8	Grass Carp (<i>Ctenopharyngodon idella</i>)	4.36	0.04
9	Common Carp (<i>Cyprinus carpio</i>)	0.00	0.00
10	Other Exotic Carp	0.00	0.00
11	Pangas (<i>Pangasius pangasius</i>)	0.00	0.00
12	Boal/Air/Guizza Air (<i>Wallago attu/ Sperate aor / Sperate seenghala</i>)	261.20	2.47
13	Shol/Gazar/Taki (<i>Channa striatus/C. marulius/C. punctatus</i>)	39.26	0.37
14	Koi (<i>Anabas testudineus</i>)	0.02	0.00
15	Shingi/Magur (<i>Heteropneustes fossilis/Clarias batrachus</i>)	5.06	0.05
16	Big Prawn	0.00	0.00
17	Small Prawn	174.80	1.65
18	Tilapia/Nilotica (<i>Oreochromis mossambicus/ O. niloticus</i>)	22.74	0.21
19	Sarpunti (<i>Puntius sarana</i>)	0.00	0.00
20	Other Fish	9972.47	94.28
Total		10578	100.00

Source :

- Catch data of Kaptai Lake are supplied by Bangladesh Fisheries Development Corporation (BFDC). Other Inland Fish: Chapila, Tengra, Punt, Chital, Phali, Pabda, Bacha, Kazoli, Baim, Kakchki, Mola etc.
- Annual Growth Rate : 4.19%

Table 3.15. Annual Fish Catch of Floodplains in 2018-19

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)	
Dhaka	106	44.20	4685	4657	3.35	1232	0	0	5917
Faridpur	174	48.37	8416	1337	0.74	551	0	0	8967
Gazipur	273	57.89	15805	426	0.54	294	0	0	16099
Gopalganj	137	38.28	5245	7761	8.85	2112	0	0	7357
Kishoreganj	230	85.75	19722	3300	2.68	890	63956	21482	42094
Madaripur	136	56.80	7725	827	4.75	229	0	0	7954
Manikganj	211	47.95	10118	780	2.34	346	0	0	10464
Munshiganj	230	48.38	11127	1212	4.56	305	0	0	11432
Narayanganj	67	18.37	1231	447	0.55	210	0	0	1441
Narsingdi	212	52.92	11220	501	0.98	409	0	0	11629
Rajbari	159	36.97	5878	892	1.17	350	0	0	6228
Shariatpur	131	39.12	5125	248	1.41	44	0	0	5169
Tangail	240	38.81	9315	2147	4	1398	0	0	10713
Dhaka Division	2306	50.14	115612	24535	35.919	8370	63956	21482	145464
Jamalpur	205	44.45	9112	0	0	0	0	0	9112
Mymensingh	246	41.28	10156	249	0.39	71	0	0	10227
Netrakona	115	105.17	12095	23600	2.35	7915	40240	22870	42880
Sherpur	183	12.09	2212	291	1.54	102	0	0	2314
Mymensingh Division	749	44.83	33575	24140	4.28	8088	40239.5	22870	64533
Bagerhat	213	21.10	4494	1554	3.17	452	0	0	4946
Chuadanga	62	20.69	1283	0	0	0	0	0	1283
Jashore	265	128.97	34178	205	0.29	179	0	0	34357
Jhenaidah	192	29.68	5698	475	0.18	281	0	0	5979
Khulna	301	62.43	18792	2119	3.85	949	0	0	19741
Kushtia	182	17.65	3212	935	2.12	415	0	0	3627
Magura	98	15.15	1485	1852	2.2	1058	0	0	2543
Meherpur	67	10.12	678	320	0.35	168	0	0	846
Narail	35	75.03	2626	582	0.35	413	0	0	3039
Satkhira	120	113.93	13672	581	0.34	177	0	0	13849
Khulna Division	1535	56.10	86118	8623	12.85	4092	0	0	90210
Barguna	80	31.30	2504	5	0.14	11	0	0	2515
Barishal	216	37.09	8011	1120	2.61	137	0	0	8148
Bhola	160	23.01	3682	0	0	0	0	0	3682
Jhalokathi	122	28.53	3481	606	1.56	318	0	0	3799
Patuakhali	184	53.87	9912	243	1.25	111	0	0	10023
Pirojpur	111	32.42	3599	620	2	154	0	0	3753
Barishal Division	873	35.73	31189	2594	7.56	731	0	0	31920

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	14.00	5895	0	0	0	0	0	5895
Gaibandha	304	17.81	5413	547	34.49	218	0	0	5631
Kurigram	241	43.15	10398	823	5.2	1068	0	0	11466
Lalmonirhat	119	10.46	1245	322	1.19	359	0	0	1604
Nilphamari	121	25.77	3118	321	1	359	0	0	3477
Panchagarh	132	19.08	2519	223	0.8	117	0	0	2636
Rangpur	210	38.59	8103	294	4.79	270	0	0	8373
Thakurgaon	114	31.62	3605	214	4.42	73	0	0	3678
Rangpur Division	1662	24.25	40296	2744	51.89	2464	0	0	42760
Bogura	100	42.98	4298	223	9.46	187	0	0	4485
Chapai Nawabganj	47	30.17	1418	14	0.04	21	0	0	1439
Joypurhat	22	5.68	125	0.6	0.08	0.15	0	0	125
Naogaon	333	39.36	13108	3155	0.97	1678	0	0	14786
Natore	248	49.10	12176	20713	5.22	12742	0	0	24918
Pabna	243	34.61	8411	3668	6	1848	0	0	10259
Rajshahi	215	24.99	5373	956	3.48	596	0	0	5969
Sirajganj	427	73.48	31378	1543	3.97	739	0	0	32117
Rajshahi Division	1635	46.66	76287	30272.6	29.22	17811.2	0	0	94098
Bandarban	18	8.5	153	25	0.16	4	0	0	157
Brahmanbaria	273	56.01	15291	250	1.54	138	8050	4380	19809
Chandpur	351	65.16	22872	599	0.76	202	0	0	23074
Chattogram	52	13.00	676	0	0	0	0	0	676
Cumilla	621	112.67	69970	2984	13.02	785	0	0	70755
Cox's Bazar	91	11.59	1055	255	1.25	191	0	0	1246
Feni	253	25.74	6512	358	0.45	82	0	0	6594
Khagrachhari	0	0.00	0	268	0.94	256	0	0	256
Lakshmipur	146	67.80	9899	164	1.63	147	0	0	10046
Noakhali	352	75.01	26402	881	0.59	215	0	0	26617
Rangamati	0	0.00	0	0	0	0	0	0	0
Chattogram Division	2157	70.85	152830	5784	20.34	2020	8050	4380	159230
Habiganj	180	102.83	18510	792	1.08	449	25470	8692	27651
Moulvibazar	154	75.47	11622	256	0.5	208	26217	10271	22101
Sunamganj	242	130.02	31466	6123	3.68	4029	57673	28220	63715
Sylhet	168	155.37	26102	1483	1.33	732	29631	12965	39799
Sylhet Division	744	115.64	87700	8654	6.59	5418	138991	60148	153266
Total	11661	51.9	623607	107346	168.65	48994	251237	108880	781481

Source	Area (Ha)	Production (MT)	%	MT/Ha	Growth Rate (%)
Subsistence Fisheries	2317175	623607	79.80	0.269	0.16
Fry Released Program	107346	48994	6.27	0.456	0.67
Haor	251237	108880	13.93	0.433	12.11
Total	2675758	781481	100.00	0.292	1.71

Table 3.16. Species Composition of Annual Fish Catch of Floodplains in 2018-19

Sl. No.	Species	Production	
		(MT)	%
1	Rui	43874	5.61
2	Catla	18837	2.41
3	Mrigal	23745	3.04
4	Kalibaus	2868	0.37
5	Bata	1183	0.15
6	Gonia	1815	0.23
7	Silver carp	2514	0.32
8	Grass carp	6714	0.86
9	Mirror/Common carp	22248	2.85
10	Other Exotic carp	0	0.00
11	Pangas	9866	1.26
12	Boal/Air	60832	7.78
13	Shol/Gazar/Taki	67680	8.66
14	Koi	9167	1.17
15	Shingi/Magur	55790	7.14
16	Tilapia/ Nilotica	0	0.00
17	Sarpunti/Thai punti	19227	2.46
18	Big Shrimp/ Prawn	1874	0.24
19	Small Shrimp/ Prawn	43370	5.55
20	Other Inland Fish	389877	49.89
Total		781481	100.00

Table 3.17. Annual Fish Production of Ponds in 2018-19

Sl. No.	District	Area in Hectare								Production in Metric Ton		
		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	MT/Ha
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	MT/Ha
1	Dhaka	0	0	1627	6262	213	1727	5	57	1845	8046	4.36
2	Faridpur	89	135	1377	4805	2134	11501	122	1637	3722	18078	4.86
3	Gazipur	59	103	2344	9350	1334	12337	343	4508	4080	26298	6.45
4	Gopalganj	662	975	1449	5650	1429	8470	61	618	3601	15713	4.36
6	Kishoregonj	307	223	3039	11884	1474	10094	51	600	4871	22801	4.68
6	Madaripur	280	377	2155	8252	449	3524	0	0	2884	12153	4.21
7	Manikgonj	345	480	1528	5502	584	4643	0	0	2457	10625	4.32
8	Munshigonj	120	171	1505	5075	580	4805	0	0	2205	10051	4.56
9	Narayangonj	100	130	1269	4140	688	5837	0	0	2057	10107	4.91
10	Narsingdi	57	77	1206	4239	832	7731	582	10119	2677	22166	8.28
11	Rajbari	144	177	2654	8700	866	5675	0	0	3664	14552	3.97
12	Shariatpur	27	38	1776	7082	772	7231	0	0	2575	14351	5.57
13	Tangail	4	6	3036	9813	4290	28209	227	2553	7557	40581	5.37
	Dhaka Division	2193	2892	24965	90754	15645	111784	1391	20092	44195	225522	5.10
14	Jamalpur	0	0	1906	7213	1190	8167	87	1035	3183	16415	5.16
15	Mymensingh	602	821	7111	24886	11502	81769	9929	263360	29144	370836	12.72
16	Netrakona	490	674	5130	19009	2084	15197	6	484	7710	35364	4.59
17	Sherpur	86	115	2344	8643	1378	9218	604	8320	4412	26296	5.96
	Mymensingh Division	1178	1610	16491	59751	16154	114351	10626	273199	44449	448911	10.10
18	Bagerhat	2140	3105	2982	10783	0	0	0	0	5122	13888	2.71
19	Chuadanga	6	8	1034	3553	1147	7346	0	0	2187	10907	4.99
20	Jashore	77	111	8936	35375	5822	47898	2322	39667	17157	123051	7.17
21	Jhainadah	13	18	3174	12237	1790	11555	40	410	5017	24220	4.83
22	Khulna	772	1018	3450	10495	516	3936	0	0	4738	15449	3.26
23	Kushtia	0	0	2570	9579	1793	11160	0	0	4363	20739	4.75
24	Magura	35	51	1879	6599	398	4049	0	0	2312	10699	4.63
25	Meherpur	0	0	1315	5614	213	1305	0	0	1528	6919	4.53
26	Narail	68	90	645	2292	360	2017	0	0	1073	4399	4.10
27	Satkhira	7015	7266	5437	17125	518	3682	275	6402	13245	34475	2.60
	Khulna Division	10126	11667	31422	113652	12557	92948	2637	46479	56742	264746	4.67
28	Barguna	476	683	1914	6585	34	237	0	0	2424	7505	3.10
29	Barishal	0	0	9447.2	36799	130	739	0	0	9577	37538	3.92
30	Bhola	245	358	2001	6984	5461	30802	33	415	7740	38559	4.98
31	Jhalokathi	0	0	1090	4142	29	285	4	122	1123	4549	4.05
32	Patuakhali	1226	1635	6650	18020	173	971	0	0	8049	20626	2.56
33	Pirojpur	701	974	1815	4668	340	1755	0	0	2856	7397	2.59
	Barishal Division	2648	3650	22917	77198	6167	34789	37	537	31769	116174	3.66

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	MT/Ha
		Area	Production	Area	Production	Area	Production	Area	Production			
34	Dinajpur	118	154	6110	22578	2618	18934	85	1584	8931	43250	4.84
35	Gaibandha	0	0	5013	20033	508	4906	60	1311	5581	26250	4.70
36	Kurigram	331	488	3320	12757	566	3876	11	183	4228	17304	4.09
37	Lalmonirhat	0	0	2515	9353	264	2320	5	64	2784	11737	4.22
38	Nilphamari	0	0	3165	11816	866	5712	2	23	4033	17551	4.35
39	Panchagarh	0	0	2859	11026	179	1429	0	0	3038	12455	4.10
40	Rangpur	109	157	4136	15122	1285	11113	10	158	5540	26550	4.79
41	Thakurgaon	0	0	4664	16790	470	3292	143	1847	5277	21929	4.16
	Rangpur Division	558	799	31782	119475	6756	51582	316	5170	39412	177026	4.49
42	Bogura	516	606	9653	26863	3604	28055	728	16741	14501	72265	4.98
43	Chapai Nawabganj	14	18	1944	7785	459	2523	0	0	2417	10326	4.27
44	Joypurhat	31	46	2106	6149	2500	15483	0	0	4637	21678	4.68
45	Naogaon	0	0	9932	36968	2731	17086	117	1318	12780	55372	4.33
46	Natore	0	0	5372	20205	2440	13846	126	1489	7938	35540	4.48
47	Pabna	0	0	8727	34270	1798	11834	5	91	10530	46195	4.39
48	Rajshahi	0	0	5975	21235	6218	35316	233	2581	12426	59132	4.76
49	Sirajganj	78	90	3030	10191	1878	9754	0	0	4986	20035	4.02
	Rajshahi Division	639	760	46739	163666	21628	133897	1209	22220	70215	320543	4.57
50	Bandarban	201	279	236	668	51	260	0	0	488	1207	2.47
51	Brahmanbaria	139	207	4547	19820	2422	13340	57	1080	7165	34447	4.81
52	Chandpur	169	231	6372	22484	2872	14826	0	0	9413	37541	3.99
53	Chattogram	6477	9381	12941	41882	1718	12027	13	186	21149	63476	3.00
54	Cumilla	1447	2054	12485	44654	7480	51464	1052	12037	22464	110209	4.91
55	Cox's Bazar	785	864	1200	3900	0	0	0	0	1985	4764	2.40
56	Feni	335	447	4055	15730	935	6477	22	267	5347	22921	4.29
57	Khagrachhari	153	229	805	2055	92	508	0	0	1050	2792	2.66
58	Lakshmipur	238	312	6020	21946	1865	7470	0	0	8123	29728	3.66
59	Noakhali	1079	1486	11579	42391	407	3028	0	0	13065	46905	3.59
60	Rangamati	51	55	347	703	13	69	0	0	411	827	2.01
	Chattogram Division	11074	15545	60587	216233	17855	109469	1144	13570	90660	354817	3.91
61	Habiganj	1099	1410	2480	8621	1023	5371	116	1447	4718	16849	3.57
62	Moulvibazar	3345	4442	2596	9157	1149	7936	3	40	7093	21575	3.04
63	Sunamgonj	409	413	2437	8853	179	1355	4	70	3029	10691	3.53
64	Sylhet	856	1125	3070	9175	1552	7267	15	211	5493	17778	3.24
	Sylhet Division	5709	7390	10583	35806	3903	21929	138	1768	20333	66893	3.29
	Grand Total	34125	44313	245486	876535	100665	670749	17498	383035	397775	1974632	4.96

Culture Method	Production Range	Number of Pond	Area		Production		MT/Ha	Growth Rate(%)
			(Ha)	%	(MT)	%		
Extensive	<1.5MT/Ha	498063	34125	8.58	44313	2.24	1.299	-4.63
Semi-intensive	1.5-4 MT/Ha	1438145	245486	61.71	876535	44.39	3.571	4.07
Intensive	>4 - 10MT/Ha	469473	100665	25.31	670749	33.97	6.663	7.13
Highly Intensive	>10 MT/Ha	75202	17498	4.40	383035	19.40	21.890	-0.63
Total		2480883	397775	100.00	1974632	100	4.964	3.91

Note : Pond Area from SPARRSO (Space Research and remote Sensing Organization) Report, 1983 and updated on the basis of DFO (District Fisheries Office) Report 2018-19.

Table 3.18. Species Composition of Annual Fish Production of Ponds in 2018-19

Sl. No.	Species	Production (Metric Ton)	%
1	Rui (<i>Labeo rohita</i>)	250046	12.66
2	Catla (<i>Catla catla</i>)	165244	8.37
3	Mrigal (<i>Cirrhinus cirrhosus</i>)	178391	9.03
4	Kalibaus (<i>Labeo calbasu</i>)	33176	1.68
5	Bata (<i>Labeo Bata</i>)	39400	2.00
6	Gonia (<i>Labeo gonius</i>)	14668	0.74
7	Silver Carp (<i>Hypophthalmichthys molitrix</i>)	193967	9.82
8	Grass Carp (<i>Ctenopharyngodon idella</i>)	47699	2.42
9	Common Carp (<i>Cyprinus carpio</i>)	75758	3.84
10	Other Exotic Carp	29544	1.50
11	Pangas (<i>Pangasius pangasius</i>)	447054	22.64
12	Boal/Air (<i>Wallago attu/ Sperata aor / Sperata seenghala</i>)	786	0.04
13	Shol/Gazar/Taki (<i>Channa striatus/C. marulius/C. punctatus</i>)	2631	0.13
14	Koi (<i>Anabas testudineus</i>)	49659	2.51
15	Shingi/Magur (<i>Heteropneustes fossilis/Clarias batrachus</i>)	31245	1.58
16	Big Shrimp/Prawn	2016	0.10
17	Small Shrimp/ Prawn	4358	0.22
18	Tilapia/Nilotica (<i>Oreochromis mossambicus/ O. niloticus</i>)	320963	16.25
19	Sarpunti (<i>Puntius sarana</i>)	47041	2.38
20	Other Fish	40986	2.08
	Total	1974632	100.00

Table 3.19. District-wise Species Composition of Fish Production of Ponds in 2018-19

Sl. No.	Species	Dhaka		Faridpur		Gazipur		Gopalganj		Kishoreganj		Madaripur		Manikganj		Munshiganj		Narayanganj	
		MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%
1	Rui	1411	17.54	2781	15.38	2680	10.19	2858	18.19	3741	16.41	1685	13.86	1379	12.98	1919	19.09	1354	13.40
2	Catla	1258	15.64	2683	14.84	2045	7.78	1882	11.98	2298	10.08	1092	8.99	909	8.56	1380	13.73	1369	13.54
3	Mrigal	1124	13.97	2095	11.59	1496	5.69	1530	9.74	2655	11.64	1095	9.01	955	8.99	1036	10.31	1095	10.83
4	Kalibaus	368	4.57	266	1.47	228	0.87	490	3.12	848	3.72	43	0.35	106	1.00	343	3.41	669	6.62
5	Bata	449	5.58	928	5.13	221	0.84	580	3.69	415	1.82	240	1.97	212	2.00	313	3.11	472	4.67
6	Gonia	175	2.17	1	0.01	25	0.10	180	1.15	290	1.27		0.00	83	0.78	113	1.12	230	2.28
7	Silver carp	1124	13.97	2725	15.07	6128	23.30	1730	11.01	3227	14.15	1093	8.99	1062	10.00	406	4.04	1118	11.06
8	Grass carp	490	6.09	673	3.72	991	3.77	940	5.98	1029	4.51	242	1.99	180	1.69	104	1.03	422	4.18
9	Mirror/Common carp	362	4.50	1605	8.88	1218	4.63	1626	10.35	1458	6.39	487	4.01	531	5.00	190	1.89	425	4.20
10	Other Exotic carp	252	3.13	568	3.14	292	1.11	447	2.84	99	0.43	121	1.00	101	0.95	16	0.16	131	1.30
11	Pangas	119	1.48	935	5.17	1971	7.49	415	2.64	3390	14.87	2432	20.01	2212	20.82	1690	16.81	899	8.89
12	Boal/Air	0	0.00	1	0.01	0	0.00	52	0.33	0	0.00		0.00	0	0.00	0	0.00	28	0.28
13	Shol/Gazar/Taki	8	0.10	7	0.04	0	0.00	3	0.02	3	0.01		0.00	1	0.01	50	0.50	9	0.09
14	Koi	17	0.21	74	0.41	85	0.32	295	1.88	246	1.08	464	3.82	472	4.44	63	0.63	34	0.34
15	Shingi/Magur	29	0.36	40	0.22	211	0.80	130	0.83	300	1.32	123	1.01	85	0.80	59	0.59	54	0.53
16	Big Shrimp/Prawn	0	0.00	2	0.01	0	0.00	416	2.65	0	0.00	28	0.23	0	0.00	0	0.00	0	0.00
17	Small Shrimp/Prawn	7	0.09	3	0.02	0	0.00	100	0.64	0	0.00	59	0.49	26	0.24	0	0.00	3	0.03
18	Tilapia/ Nilotica	522	6.49	1421	7.86	7626	29.00	1244	7.92	1413	6.20	2185	17.98	2021	19.02	1112	11.06	1060	10.49
19	Sarpunti/Thai punti	236	2.93	322	1.78	1061	4.03	487	3.10	382	1.68	367	3.02	263	2.48	126	1.25	403	3.99
20	Other Inland Fish	95	1.18	948	5.24	20	0.08	308	1.96	1007	4.42	397	3.27	27	0.25	1131	11.25	332	3.28
	Total	8046	100	18078	100	26298	100	15713	100	22801	100	12153	100	10625	100	10051	100	10107	100

Sl. No.	Species	Narsingdi		Rajbari		Sariatpur		Tangail		Jamalpur		Mymensingh		Netrakona		Sherpur	
		MT	%	MT	%	MT	%	MT	%								
1	Rui	1234	5.57	2131	14.64	4010	27.94	7803	19.2	3466	21.11	11805	3.18	3621	10.24	2915	11.09
2	Catla	822	3.71	1513	10.40	2852	19.87	3633	8.95	1847	11.25	7950	2.14	2404	6.80	2285	8.69
3	Mrigal	1530	6.90	1720	11.82	2026	14.12	4002	9.86	2172	13.23	10914	2.94	2535	7.17	2929	11.14
4	Kalibaus	153	0.69	420	2.89	0	0.00	979	2.41	343	2.09	2648	0.71	1532	4.33	1384	5.26
5	Bata	104	0.47	920	6.32	121	0.84	1306	3.22	133	0.81	4626	1.25	438	1.24	1178	4.48
6	Gonia	51	0.23	19	0.13	0	0.00	181	0.45	174	1.06	3086	0.83	441	1.25	1237	4.70
7	Silver carp	616	2.78	1341	9.22	2452	17.09	7213	17.8	2355	14.35	10835	2.92	3106	8.78	3510	13.35
8	Grass carp	228	1.03	850	5.84	121	0.84	611	1.51	89	0.54	7026	1.89	1410	3.99	1756	6.68
9	Mirror/Common carp	254	1.15	836	5.74	654	4.56	2244	5.53	282	1.72	3974	1.07	2230	6.31	1751	6.66
10	Other Exotic carp	616	2.78	620	4.26	0	0.00	1503	3.7	53	0.32	9581	2.58	2444	6.91	551	2.10
11	Pangas	6643	29.97	1486	10.21	862	6.01	2916	7.19	3075	18.73	196279	52.93	5996	16.96	2667	10.14
12	Boal/Air	0	0		0.00	0	0	11	0.03		0	0	0	2	0.01	0	0
13	Shol/Gazar/Taki	0	0	10	0.07	0	0	32	0.08		0	0	0	216	0.61	0	0
14	Koi	3892	17.56	210	1.44	0	0	238	0.59	304	1.85	25748	6.94	1612	4.56	1567	5.96
15	Shingi/Magur	1332	6.01	250	1.72	0	0	452	1.11	0	0	16080	4.34	2503	7.08	214	0.81
16	Big Shrimp/ Prawn	0	0		0	0	0	2	0		0	0	0	1	0.00	0	0
17	Small Shrimp/ Prawn	25	0.11	10	0.07	0	0	0	0		0	0	0	53	0.15	30	0.11
18	Tilapia/ Nilotica	4303	19.41	930	6.39	584	4.07	5799	14.3	2107	12.84	30716	8.28	3157	8.93	1203	4.57
19	Sarpunti/Thai punti	73	0.33	518	3.56	659	4.59	851	2.1	5	0.03	4684	1.26	691	1.95	249	0.95
20	Other Inland Fish	290	1.31	768	5.28	10	0.07	805	1.98	10	0.06	24884	6.71	972	2.75	870	3.31
	Total	22166	100	14552	100	14351	100	40581	100	16415	100	370836	100	35364	100	26296	100.00

Sl. No.	Species	Bagerhat		Chuadanga		Jashore		Jhenaidah		Khulna		Kushtia		Magura		Meherpur	
		MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%
1	Rui	4000	28.80	1185	10.86	15674	12.74	4454	18.39	2835	18.35	2821	13.60	2158	20.17	697	10.07
2	Catla	1637	11.79	689	6.32	9555	7.77	2150	8.88	1375	8.90	1735	8.37	1744	16.30	390	5.64
3	Mrigal	1730	12.46	941	8.63	19013	15.45	2345	9.68	1483	9.60	2090	10.08	1823	17.04	468	6.76
4	Kalibaus	177	1.27	68	0.62	3035	2.47	6	0.02	3	0.02	482	2.32	8	0.07	7	0.10
5	Bata	30	0.22	537	4.92	3891	3.16	155	0.64	95	0.61	1167	5.63	165	1.54	4	0.06
6	Gonia	11	0.08	2	0.02	0	0.00	0	0.00	0	0.00	1	0.00	0	0.00		0.00
7	Silver carp	703	5.06	2193	20.11	15730	12.78	3976	16.42	2488	16.10	4043	19.49	1999	18.68	808	11.68
8	Grass carp	784	5.65	338	3.10	3146	2.56	1205	4.98	771	4.99	769	3.71	278	2.60	230	3.32
9	Mirror/Common carp	592	4.26	698	6.40	4725	3.84	1926	7.95	1224	7.92	1862	8.98	526	4.92	468	6.76
10	Other Exotic carp	120	0.86	185	1.70	0	0	0	0.00	0	0.00	480	2.31	406	3.79	254	3.67
11	Pangas	629	4.53	744	6.82	18410	14.96	948	3.91	601	3.89	2763	13.32	532	4.97	1154	16.68
12	Boal/Air	10	0.07	0	0.00	0	0	0	0.00	0	0.00	3	0.01	0	0.00	1	0.01
13	Shol/Gazar/Taki	204	1.47	0	0.00	17	0.01	0	0.00	0	0.00	2	0.01	0	0.00		0.00
14	Koi	55	0.40	50	0.46	0	0	0	0.00	0	0.00	27	0.13	15	0.14	5	0.07
15	Shingi/Magur	17	0.12	14	0.13	940	0.76	0	0.00	0	0.00	16	0.08	10	0.09	7	0.10
16	Big Shrimp/ Prawn	1216	8.76	0	0.00	0	0	0	0.00	0	0.00	0	0.00	0	0.00		0.00
17	Small Shrimp/ Prawn	159	1.14	0	0.00	0	0	0	0.00	0	0.00	44	0.21	0	0.00		0.00
18	Tilapia/ Nilotica	1216	8.76	2899	26.58	25770	20.94	6795	28.06	4414	28.57	2119	10.22	491	4.59	2245	32.45
19	Sarpunti/Thai punti	435	3.13	235	2.15	3145	2.56	215	0.89	125	0.81	293	1.41	196	1.83	32	0.46
20	Other Inland Fish	163	1.17	129	1.18	0	0.00	45	0.19	35	0.23	22	0.11	348	3.25	149	2.15
	Total	13888	100	10907	100	123051	100	24220	100	15449	100	20739	100	10699	100	6919	100.00

Sl. No.	Species	Narail		Satkhira		Barguna		Barishal		Bhola		Jhalokathi		Patuakhali		Pirojpur	
		MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%
1	Rui	1437	32.67	4452	12.91	425	5.66	2085	5.55	8082	20.96	569	12.51	3331	16.15	571	7.72
2	Catla	1402	31.87	3965	11.50	372	4.96	1819	4.85	6337	16.43	384	8.44	2551	12.37	487	6.58
3	Mrigal	501	11.39	4125	11.97	362	4.82	1787	4.76	2636	6.84	406	8.93	1722	8.35	415	5.61
4	Kalibaus	86	1.95	30	0.09	16	0.21	88	0.23	622	1.61	0	0.00	15	0.07	38	0.51
5	Bata	77	1.75	118	0.34	81	1.08	429	1.14	0	0.00	0	0.00	0	0.00	6	0.08
6	Gonia	0	0.00	0	0.00	0	0.00	0	0.00	289	0.75	0	0.00	0	0.00	3	0.04
7	Silver carp	342	7.77	1432	4.15	215	2.86	1012	2.70	3647	9.46	360	7.91	2142	10.38	311	4.20
8	Grass carp	52	1.18	160	0.46	41	0.55	183	0.49	750	1.95	72	1.58	252	1.22	184	2.49
9	Mirror/Common carp	121	2.75	136	0.39	125	1.67	612	1.63	382	0.99	170	3.74	187	0.91	141	1.91
10	Other Exotic carp	5	0.11	15	0.04	0	0.00	0	0.00	0	0.00	15	0.33	78	0.38	83	1.12
11	Pangas	91	2.07	9295	26.96	3522	46.93	17855	47.57	8716	22.60	1777	39.06	4415	21.41	2223	30.05
12	Boal/Air	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	19	0.09	3	0.04
13	Shol/Gazar/Taki	0	0.00	0	0.00	0	0.00	0	0.00	35	0.09	0	0.00	17	0.08	0	0.00
14	Koi	118	2.68	0	0.00	0	0.00	0	0.00	26	0.07	128	2.81	334	1.62	764	10.33
15	Shingi/Magur	61	1.39	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	79	0.38	0	0.00
16	Big Shrimp/ Prawn	26	0.59	19	0.06	0	0.00	0	0.00	0	0.00	0	0.00	183	0.89	2	0.03
17	Small Shrimp/ Prawn	0	0.00	27	0.08	0	0.00	0	0.00	1890	4.90	0	0.00	9	0.04	3	0.04
18	Tilapia/ Nilotica	44	1.00	10597	30.74	2148	28.62	10736	28.60	4444	11.53	658	14.46	4717	22.87	1988	26.88
19	Sarpunti/Thai punti	28	0.64	32	0.09	132	1.76	618	1.65	539	1.40	0	0.00	301	1.46	153	2.07
20	Other Inland Fish	8	0.18	72	0.21	66	0.88	314	0.84	164	0.43	10	0.22	274	1.33	22	0.30
	Total	4399	100	34475	100	7505	100	37538	100	38559	100	4549	100	20626	100	7397	100.00

Sl. No.	Species	Dinajpur		Gaibanda		Kurigram		Lalmonirhat		Nilphamari		Panchagar		Rangpur		Thakurgaon	
		MT	%														
1	Rui	5222	12.07	2311	8.80	1482	8.56	1517	12.92	2124	12.10	1981	15.91	2436	9.18	1470	6.70
2	Catla	3821	8.83	2737	10.43	1228	7.10	652	5.56	897	5.11	1687	13.54	2361	8.89	1427	6.51
3	Mrigal	3670	8.49	1426	5.43	1105	6.39	1235	10.52	1152	6.56	1714	13.76	2448	9.22	1377	6.28
4	Kalibaus	165	0.38	248	0.94	30	0.17	151	1.29	205	1.17	452	3.63	662	2.49	75	0.34
5	Bata	1085	2.51	358	1.36	567	3.28	835	7.11	281	1.60	566	4.54	1652	6.22	294	1.34
6	Gonia	14	0.03	48	0.18	0	0.00	485	4.13	302	1.72	0	0.00	79	0.30	210	0.96
7	Silver carp	4812	11.13	2116	8.06	2660	15.37	1876	15.98	1872	10.67	1389	11.15	5789	21.80	3789	17.28
8	Grass carp	492	1.14	1381	5.26	680	3.93	635	5.41	692	3.94	239	1.92	1044	3.93	153	0.70
9	Mirror/Common carp	3141	7.26	1483	5.65	1120	6.47	950	8.09	791	4.51	356	2.86	1962	7.39	1191	5.43
10	Other Exotic carp	48	0.11	0	0.00	655	3.79	791	6.74	58	0.33	157	1.26	315	1.19	540	2.46
11	Pangas	10495	24.27	4930	18.78	1170	6.76	225	1.92	296	1.69	251	2.02	187	0.70	147	0.67
12	Boal/Air	0	0.00	0	0.00	0	0.00	16	0.14	0	0.00	1	0.01	0	0.00	0	0.00
13	Shol/Gazar/Taki	0	0.00	1333	5.08	0	0.00	62	0.53	190	1.08	17	0.14	10	0.04	0	0.00
14	Koi	385	0.89	1195	4.55	1061	6.13	158	1.35	601	3.42	366	2.94	418	1.57	126	0.57
15	Shingi/Magur	0	0.00	1312	5.00	0	0.00	95	0.81	72	0.41	394	3.16	755	2.84	3	0.01
16	Big Shrimp/ Prawn	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	7	0.06	0	0.00	0	0.00
17	Small Shrimp/ Prawn	1625	3.76	0	0.00	0	0.00	16	0.14	0	0.00	14	0.11	3	0.01	0	0.00
18	Tilapia/ Nilotica	7238	16.74	5292	20.16	5266	30.43	929	7.92	5905	33.64	2249	18.06	3987	15.02	10272	46.84
19	Sarpunti/Thai punti	1015	2.35	65	0.25	268	1.55	564	4.81	1986	11.32	374	3.00	2198	8.28	822	3.75
20	Other Inland Fish	22	0.05	15	0.06	12	0.07	545	4.64	127	0.72	241	1.93	244	0.92	33	0.15
	Total	43250	100	26250	100	17304	100	11737	100	17551	100	12455	100	26550	100	21929	100.00

Sl. No.	Species	Bogura		Chapai Nawabganj		Joypurhat		Naogaon		Natore		Pabna		Rajshahi		Sirajganj	
		MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%
1	Rui	8051	11.14	1766	17.10	4160	19.19	9628	17.39	6826	19.21	6952	15.05	18059	30.54	2550	12.73
2	Catla	5301	7.34	1162	11.25	3168	14.61	5171	9.34	3536	9.95	3158	6.84	10245	17.33	1531	7.64
3	Mrigal	6850	9.48	1734	16.79	2110	9.73	8828	15.94	5566	15.66	4558	9.87	7910	13.38	1498	7.48
4	Kalibaus	1320	1.83	312	3.02	0	0.00	1143	2.06	225	0.63	624	1.35	2208	3.73	334	1.67
5	Bata	2842	3.93	869	8.42	247	1.14	1042	1.88	928	2.61	2625	5.68	721	1.22	421	2.10
6	Gonia	27	0.04	0	0.00	0	0.00	0	0.00	0	0.00	119	0.26	44	0.07	582	2.90
7	Silver carp	8921	12.34	1990	19.27	4151	19.15	7119	12.86	7130	20.06	7574	16.40	10169	17.20	1702	8.50
8	Grass carp	1290	1.79	303	2.93	1171	5.40	917	1.66	1328	3.74	650	1.41	817	1.38	532	2.66
9	Mirror/Common carp	2577	3.57	688	6.66	1051	4.85	2233	4.03	3320	9.34	2767	5.99	4647	7.86	984	4.91
10	Other Exotic carp	1235	1.71	798	7.73	174	0.80	1233	2.23	6	0.02	45	0.10	680	1.15	27	0.13
11	Pangas	23099	31.96	102	0.99	3047	14.06	12523	22.62	5037	14.17	10901	23.60	1005	1.70	948	4.73
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	224	0.31	8	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
14	Koi	1147	1.59	86	0.83	0	0.00	219	0.40	0	0.00	0	0.00	420	0.71	648	3.23
15	Shingi/Magur	1314	1.82	19	0.18	0	0.00	0	0.00	0	0.00	0	0.00	106	0.18	219	1.09
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	80	0.11	9	0.09	0	0.00	5	0.01	0	0.00	0	0.00	112	0.19	0	0.00
18	Tilapia/ Nilotica	5255	7.27	134	1.30	1971	9.09	5144	9.29	1553	4.37	525	1.14	1213	2.05	7353	36.70
19	Sarpunti/Thai punti	733	1.01	77	0.75	230	1.06	45	0.08	21	0.06	5694	12.33	384	0.65	706	3.52
20	Other Inland Fish	1954	2.70	267	2.59	198	0.91	122	0.22	64	0.18	3	0.01	392	0.66	0	0.00
	Total	72265	100	10326	100	21678	100	55372	100	35540	100	46195	100	59132	100	20035	100

Sl. No.	Species	Bandarban		Brahmanbaria		Chandpur		Chattogram		Cumilla		Cox's Bazar		Feni		Khagrachhari	
		MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%
1	Rui	273	22.62	6465	18.77	8448	22.50	10547	16.62	6449	5.85	628	13.18	3574	15.59	428	15.33
2	Catla	190	15.74	4047	11.75	6467	17.23	8465	13.34	2659	2.41	510	10.71	2374	10.36	324	11.60
3	Mrigal	176	14.58	3426	9.95	4717	12.56	8376	13.20	4593	4.17	380	7.98	2862	12.49	445	15.94
4	Kalibaus	7	0.58	568	1.65	789	2.10	949	1.50	484	0.44	169	3.55	450	1.96	123	4.41
5	Bata	1	0.08	816	2.37	439	1.17	10	0.02	2513	2.28	4	0.08	0	0.00	66	2.36
6	Gonia	14	1.16	646	1.88	0	0.00	22	0.03	2809	2.55	47	0.99	1085	4.73	19	0.68
7	Silver carp	179	14.83	3599	10.45	5066	13.49	3496	5.51	3393	3.08	322	6.76	2332	10.17	280	10.03
8	Grass carp	41	3.40	905	2.63	28	0.07	840	1.32	1178	1.07	157	3.30	275	1.20	34	1.22
9	Mirror/Common carp	98	8.12	1125	3.27	2282	6.08	1048	1.65	827	0.75	88	1.85	518	2.26	285	10.21
10	Other Exotic carp	0	0.00	275	0.80	393	1.05	169	0.27	0	0.00	41	0.86	91	0.40	110	3.94
11	Pangas	69	5.72	3372	9.79	0	0.00	5994	9.44	42335	38.41	669	14.04	550	2.40	263	9.42
12	Boal/Air	1	0.08	2	0.01	0	0.00	0	0.00	0	0.00	0	0.00	540	2.36	10	0.36
13	Shol/Gazar/Taki	1	0.08	6	0.02	0	0.00	0	0.00	0	0.00	13	0.27	0	0.00	11	0.39
14	Koi	2	0.17	406	1.18	96	0.26	106	0.17	3472	3.15	27	0.57	844	3.68	1	0.04
15	Shingi/Magur	7	0.58	283	0.82	58	0.15	66	0.10	2601	2.36	17	0.36	357	1.56	5	0.18
16	Big Shrimp/ Prawn	0	0.00	0	0.00	0	0.00	6	0.01	0	0.00	17	0.36	0	0.00	0	0.00
17	Small Shrimp/ Prawn	2	0.17	0	0.00	0	0.00	2	0.00	0	0.00	7	0.15	0	0.00	7	0.25
18	Tilapia/ Nilotica	93	7.71	2712	7.87	8409	22.40	22703	35.77	36710	33.31	1466	30.77	6830	29.80	209	7.49
19	Sarpunti/Thai punti	0	0.00	5335	15.49	302	0.80	273	0.43	44	0.04	9	0.19	213	0.93	87	3.12
20	Other Inland Fish	53	4.39	459	1.33	47	0.13	404	0.64	142	0.13	193	4.05	26	0.11	85	3.04
	Total	1207	100	34447	100	37541	100	63476	100	110209	100	4764.00	100	22921	100	2792	100

Sl. No.	Species	Lakshmipur		Noakhali		Rangamati		Habiganj		Moulvibazar		Sunamganj		Sylhet		Total	
		MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%	MT	%
1	Rui	4951	16.65	10913	23.27	134	16.20	1554	9.22	2091	9.69	2820	26.38	2667	15.00	250046	12.66
2	Catla	3649	12.27	7383	15.74	100	12.09	1177	6.99	1856	8.60	1369	12.81	1778	10.00	165244	8.37
3	Mrigal	3086	10.38	7734	16.49	78	9.43	1134	6.73	1190	5.52	2124	19.87	2133	12.00	178391	9.03
4	Kalibaus	1004	3.38	3311	7.06	63	7.62	152	0.90	903	4.19	16	0.15	533	3.00	33176	1.68
5	Bata	0	0.00	0	0.00	0	0.00	248	1.47	559	2.59	0	0.00	0	0.00	39400	2.00
6	Gonia	0	0.00	113	0.24	9	1.09	287	1.70	731	3.39	28	0.26	356	2.00	14668	0.74
7	Silver carp	1993	6.70	3634	7.75	74	8.95	2042	12.12	298	1.38	1336	12.50	1422	8.00	193967	9.82
8	Grass carp	527	1.77	1549	3.30	45	5.44	426	2.53	931	4.32	641	6.00	1421	7.99	47699	2.42
9	Mirror/Common carp	314	1.06	2050	4.37	35	4.23	1018	6.04	880	4.08	707	6.61	1200	6.75	75758	3.84
10	Other Exotic carp	425	1.43	1888	4.03	4	0.48	7	0.04	142	0.66	112	1.05	89	0.50	29544	1.50
11	Pangas	4584	15.42	4291	9.15	96	11.61	841	4.99	1237	5.73	328	3.07	400	2.25	447054	22.64
12	Boal/Air	0	0.00	41	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	786	0.04
13	Shol/Gazar/Taki	75	0.25	34	0.07	0	0.00	1	0.01	32	0.15	0	0.00	0	0.00	2631	0.13
14	Koi	94	0.32	115	0.25	0	0.00	4	0.02	455	2.11	186	1.74	178	1.00	49659	2.51
15	Shingi/Magur	0	0.00	22	0.05	4	0.48	5	0.03	409	1.90	27	0.25	89	0.50	31245	1.58
16	Big Shrimp/ Prawn	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	89	0.50	2016	0.10
17	Small Shrimp/ Prawn	8	0.03	15	0.03	0	0.00	5	0.03	0	0.00	0	0.00	0	0.00	4358	0.22
18	Tilapia/ Nilotica	8573	28.84	2987	6.37	125	15.11	5139	30.50	7726	35.81	755	7.06	3556	20.00	320963	16.25
19	Sarpunti/Thai punti	389	1.31	550	1.17	10	1.21	2794	16.58	1980	9.18	239	2.24	1778	10.00	47041	2.38
20	Other Inland Fish	56	0.19	275	0.59	50	6.05	15	0.09	155	0.72	3	0.03	89	0.50	40986	2.08
	Total	29728	100	46905	100	827.00	100	16849.00	100	21575	100	10691	100	17778	100	1974632	100

Table 3.20. Annual Fish Production of Seasonal Cultured Waterbodies in 2018-19

Sl. No.	District	Fish Culture in Floodplain & Paddy Field		Fish Culture in Boropit		Total	
		Area	Production	Area	Production	Area	Production
1	Dhaka	1760	3419	11	10	1771	3429
2	Faridpur	4445	4645	721	1204	5166	5849
3	Gazipur	3350	8582	2	6	3352	8588
4	Gopalganj	725	776	207	165	932	941
5	Kishorgonj	1045	1364	1	2	1046	1366
6	Madaripur	90	123	0	0	90	123
7	Manikgonj	3871	3701	0	0	3871	3701
8	Munsigonj	3560	3940	0	0	3560	3940
9	Narayangonj	3235	2593	188	441	3423	3034
10	Narsingdi	1440	1508	13	50	1453	1558
11	Rajbari	2000	1980	190	300	2190	2280
12	Shariatpur	1025	977	0	0	1025	977
13	Tangail	1768	1253	138	218	1906	1471
	Dhaka Division	28314	34861	1471	2396	29785	37257
14	Jamalpur	1318	2139	0	0	1318	2139
15	Mymensingh	1329	723	171	167	1500	890
16	Netrakona	3586	2609	17	35	3603	2644
17	Sherpur	1225	2130	6	5	1231	2135
	Mymensingh Division	7458	7601	194	207	7652	7808
18	Bagerhat	1651	1402	173	309	1824	1711
19	Chuadanga	821	1557	3	5	824	1562
20	Jashore	12125	26251	87	74	12212	26325
21	Jhenaidhah	1261	1350	1016	1895	2277	3245
22	Khulna	879	765	304	218	1183	983
23	Kushtia	833	718	1971	3406	2804	4124
24	Magura	104	104	4	8	108	112
25	Meherpur	115	160	1	1	116	161
26	Narail	0	0	345	576	345	576
27	Satkhira	4178	1530	258	132	4436	1662
	Khulna Division	21966.69	33836.91	4162	6624	26129	40461
28	Barguna	2052	1845	30	47	2082	1892
29	Barishal	12893	8056	0	0	12893	8056
30	Bhola	0	0	133	381	133	381
31	Jhalokathi	348	552	0	0	348	552
32	Patuakhali	60	58	94	122	154	180
33	Pirojpur	1552	1952	714	347	2266	2299
	Barishal Division	16905	12463	971	897	17876	13360

Sl. No.	District	Area in Hectare		Production in Metric Ton		Total	
		Fish Culture in Floodplain & Paddy Field		Fish Culture in Boropit			
		Area	Production	Area	Production	Area	Production
34	Dinajpur	3114	2086	383	576	3497	2662
35	Gaibandha	386	261	94	482	480	743
36	Kurigam	3225	3704	452	1053	3677	4757
37	Lalmonirhat	2082	3177	125	580	2208	3757
38	Nilphamari	665	640	71	48	736	688
39	Panchagarh	266	235	59	136	325	371
40	Rangpur	2468	3128	218	491	2686	3619
41	Thakurgaon	510	332	0	0	510	332
	Rangpur Division	12716	13563	1402	3366	14118	16929
42	Bogura	439	500	76	196	515	696
43	Chapai Nawabganj	78	139	58	94	136	233
44	Joypurhat	64	39	172	549	236	588
45	Naogaon	600	509	55	128	655	637
46	Natore	170	251	97	166	267	417
47	Pabna	696	734	1080	2217	1776	2951
48	Rajshahi	6187	5605	310	644	6497	6249
49	Sirajganj	473	392	335	720	808	1112
	Rajshahi Division	8707	8169	2183	4714	10890	12883
50	Bandarban	0	0	0	0	0	0
51	Brahmanbaria	2650	2730	29	60	2679	2790
52	Chandpur	706	883	362	923	1068	1806
53	Chattogram	699	825	1703	2841	2402	3666
54	Cumilla	26538	74460	0	0	26538	74460
55	Cox's Bazar	96	103	33	53	129	156
56	Feni	298	165	37	66	335	231
57	Khagrachhari	80	56	0	0	80	56
58	Lakshmipur	150	188	320	612	470	800
59	Noakhali	796	933	110	220	906	1153
60	Rangamati	0	0	0	0	0	0
	Chattogram Division	32013	80343	2594	4775	34607	85118
61	Habiganj	135	212	29	55	164	267
62	Moulvibazar	415	315	414	752	829	1067
63	Sunamganj	760	777	418	188	1178	965
64	Sylhet	589	652	400	573	989	1225
	Sylhet Division	1899	1956	1261	1568	3160	3524
	Total	129979	192793	14238	24547	144217	217340

Source	Area (Ha)	Production (MT)	MT/Ha	% of Prod.	Growth Rate (%)
Floodplain/Paddy field	129979	192793	1.48	88.71	(-)/4.43
Boropit	14238	24547	1.72	11.29	67.95
Total	144217	217340	1.51	100	0.83

Table 3.21. Species Composition of Fish Production of Seasonal Cultured Waterbodies in 2018-19

Sl. No.	Species	Total Catch (MT)	(%)
1	Rui (<i>Labeo rohita</i>)	50967	23.45
2	Catla (<i>Catla catla</i>)	22735	10.46
3	Mrigal (<i>Cirrhinus cirrhosus</i>)	24100	11.09
4	Kalibaus (<i>Labeo calbasu</i>)	389	0.18
5	Bata (<i>Labeo Bata</i>)	9852	4.53
6	Gonia (<i>Labeo gonius</i>)	2399	1.10
7	Silver Carp (<i>Hypophthalmichthys molitrix</i>)	34974	16.09
8	Grass Carp (<i>Ctenopharyngodon idella</i>)	11308	5.20
9	Common Carp (<i>Cyprinus carpio</i>)	22223	10.22
10	Other Exotic Carp	0	0.00
11	Pangas (<i>Pangasius pangasius</i>)	0	0.00
12	Boal/Air/Guizza Air (<i>Wallago attu/Sperata aor / Sperata seenghala</i>)	116	0.05
13	Shol/Gazar/Taki (<i>Channa striatus/C. marulius/C. punctatus</i>)	229	0.11
14	Koi (<i>Anabas testudineus</i>)	1343	0.62
15	Shingi/Magur (<i>Heteropneustes fossilis/Clarias batrachus</i>)	45	0.02
16	Tilapia/Nilotica (<i>Oreochromis mossambicus/O. niloticus</i>)	22086	10.16
17	Sarpunti (<i>Puntius sarana</i>)	8170	3.76
18	Other Inland Fish	4649	2.14
19	Big Prawn	683	0.31
20	Small Prawn	1072	0.49
	Total	217340	100

Table 3.22. Annual Fish Production of Baors in 2018-19

District	Area (Ha)	Production (MT)
Faridpur	437	722
Gopalganj	791	676
Madaripur	1119	1138
Rajbari	14	27
Dhaka Division	2361	2563
Bagherhat	90	9
Chuadanga	498	1600
Jessore	1474	3391
Jhenaidah	881	1758
Kushtia	87	184
Magura	118	392
Meherpur	81	251
Satkhira	81	195
Khulna Division	3310	7780
Total	5671	10343
	Unit Production (MT/Ha)	1.82

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

Table 3.23. Species Composition of Fish Production of Baors in 2018-19

SL. No.	Species	Total Production	
		Production (MT)	%
1	Rui	1491	14.42
2	Catla	866	8.37
3	Mrigal	598	5.78
4	Kalibaus	41	0.40
5	Bata	232	2.24
6	Gonia	18	0.17
7	Silver carp	1736	16.79
8	Grass carp	582	5.63
9	Mirror/Common carp	450	4.35
10	Other Exotic carp	49	0.47
11	Pangas	0	0.00
12	Boal/Air	144	1.39
13	Shol/Gazar/Taki	240	2.32
14	Koi	12	0.11
15	Shingi/Magur	12	0.11
16	Tilapia/Nilotica	398	3.85
17	Sarpunti/Thai punti	185	1.79
18	Other Inland Fish	2859	27.65
19	Big Shrimp/Prawn	14	0.14
20	Small Shrimp/Prawn	416	4.02
	Total	10343	100.00

Table 3.24. Annual Production of Shrimp/Prawn Farms in 2018-19

District	Area (Ha)				Shrimp/ Prawn Production (MT)				Crab Production (MT)	Fish Production (MT)	Total Production (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	3.2	0	3.20	0	2.3	0	2.3	0	7.2	9.5
Gazipur	0	0	0	0.00	0	0	0	0	0	0	0
Gopalganj	0	1262.93	0	1262.93	0	768.018	0	768.018	0	4647	5415.02
Kishoregonj	0	0.3	0	0.30	0	0.06	0	0.06	0	0.20	0.26
Madaripur	0	79.75	0	79.75	0	40.95	0	40.95	0	205.65	246.60
Manikgonj	0	3.5	0	3.50	0	2.5	1.40	3.9	0	4.1	8
Munsigonj	0	2.45	0	2.45	0	1.265	0	1.265	0	7.32	8.59
Narayangonj	0	0	0	0	0	0	0	0	0	0	0
Narsingdi	0	0.25	0	0.25	0	0.15	0	0.15	0	1.5	1.65
Rajbari	0	0	0	0	0	0.00	0	0	0	0	0
Shariatpur	0	22.55	0	22.55	0	5.85	0	5.85	0	44.7	50.55
Tangail	0	1.8	0	1.8	0	1.7	0	1.7	0	4	5.7
Dhaka Div.	0	1376.73	0	1376.73	0	822.79	1.40	824.193	0	4921.67	5745.87
Jalpaiguri	0	0.2	0	0.2	0	0.102	0	0.102	0	0.7	0.80
Mymensingh	0	0.17	0	0.17	0	0.04	0	0.04	0	0.63	0.67
Netrakona	0	0.32	0	0.32	0	0.14	0	0.14	0	2.5	2.64
Sherpur	0	0	0	0	0	0	0	0	0	0	0
Mymensingh Div.	0	0.69	0	0.69	0	0.282	0	0.282	0	3.83	4.11
Bagerhat	52550	19960	1719.0	74228.80	16575	15412.5	2051	34038.5	2629	29732	66399.5
Chuadanga	0	0		0	0	0	0	0	0	0	0
Jashore	2321	16405	50.0	18776.00	517	9214	331.00	10062	1.91	22252	32315.91
Jhenaidhah	0	3.5	0.0	3.50	0	1.75	0	1.75	0	12	13.75
Khulna	36159.9	19216.4	6925.0	62301.34	12590.6	14584.55	1403.00	28578.15	7112	26647.25	62337.47
Kushtia	0	0.4	0.0	0.40	0	0.07	0	0.07	0	0.85	0.92
Magura	0	23.36	0.0	23.36	0	5.89	0	5.89	0	0	5.89
Meherpur	0	0	0.0	0.00	0	0	0	0	0	0	0
Narail	0	2327	0.0	2327.00	0	2685.37	190	2875.37	0	1710	4585.37
Satkhira	49066	9415	310.9	58791.90	21232.4	6187.2	3115	30534.6	1290	39300.7	71125.3
Khulna Div.	140097	67350.7	9004.9	216452.30	50915	48091.33	7090	106096	11032.91	119654.80	236784.11
Barguna	306.7	138.2	11.15	456.05	109.1	75.72	53.95	238.77	25.2	273.32	537.29
Barishal	0	1751.43	0	1751.43	0	1212.88	0	1212.882	0	2250	3462.88
Bhola	22	23.71	22.55	68.26	8.8	9.92	2.21	20.93	60.41	88.02	169.36
Jhalokathi	0	46.86	0	46.86	0	18.00	0	18	0	103	121
Patuakhali	476	711	25.00	1212.00	460	323	281	1064	115	2107	3286
Pirojpur	45.3	1064.6	0.00	1109.90	20.39	930	73.68	1024.07	0	716	1740.07
Barishal Div.	850	3735.8	58.7	4644.50	598.29	2569.52	410.84	3578.65	200.61	5537.34	9316.602

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	16.17	0	16.17	0	3.40	0	3.4	0	17	20.40
Gaibandha	0	2.78	0	2.78	0	1.66	0	1.663	0	4	5.663
Kurigram	0	2.6	0	2.6	0	2.41	0	2.41	0	6.75	9.160
Lalmonirhat	0	0.9	0	0.9	0	0.78	0	0.78	0	2.63	3.410
Nilphamari	0	0.81	0	0.81	0	0.39	0	0.39	0	1.5	1.890
Panchagarh	0	0.27	0	0.27	0	0.14	0	0.14	0	0.57	0.710
Rangpur	0	1.07	0	1.07	0	0.19	0	0.19	0	4.06	4.250
Thakurgaon	0	0.36	0	0.36	0	0.18	0	0.18	0	1.3	1.480
Ranpur Div	0	24.96	0	24.96	0	9.15	0	9.153	0	37.81	46.96
Bogura	0	0.59	0	0.59	0	0.97	0	0.97	0	2	2.97
C.Nawabganj	0	0	0	0	0	0	0	0	0	0	0.00
Joypurhat	0	5.84	0	5.84	0	1.22	0	1.225	0	18	19.22
Naogaon	0	0.79	0	0.79	0	0.29	0	0.29	0	1.86	2.15
Natore	0	0.57	0	0.57	0	0.32	0	0.32	0	3	3.32
Pabna	0	3.32	0	3.32	0	1.06	0	1.06	0	10	11.06
Rajshahi	0	2.39	0	2.39	0	1.07	0	1.07	0	8.00	9.07
Sirajganj	0	0.86	0	0.86	0	0.68	0	0.68	0	3	3.68
Rajshahi Div	0	14.36	0	14.362	0	5.61	0	5.61	0	45.86	51.47
Bandarban	0	2.42	0	2.42	0	1.56	0	1.56	0	2.5	4.06
Brahmanbaria	0	0	0	0	0	0	0	0	0	0	0
Chandpur	0	47.3	0	47.3	0	19.87	0	19.87	0	124.4	144.27
Chattogram	2924	304	139	3367	732	167.2	232.5	1131.7	201	375.75	1708.45
Cumilla	0	35.56	0	35.56	0	29.4	14.75	44.15	0	128.45	172.6
Cox's Bazar	41437	94.32	156.85	41688.17	10925.6	380.5	1992.75	13298.85	632.97	1727.75	15659.57
Feni	0	35.4	0	35.4	0	10.7	0.20	10.9	0	54.8	65.7
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	0	72	0	72	0	32	0	32	0	24.30	56.30
Noakhali	0	144.34	17.1	161.44	0	54.2	0	54.2	17	274.00	345.2
Rangamati	0	0	0	0	0	0	0	0	0	0	0
Chattogram Div	44361	735.34	312.95	45409.29	11657.6	695.43	2240.2	14593.23	850.97	2711.95	18156.15
Habiganj	0	3.79	0	3.79	0	1.46	0	1.46	0	10.39	11.85
Moulvibazar	0	1.5	0	1.5	0	0.67	0	0.67	0	1.25	1.92
Sunamgonj	0	0.13	0	0.13	0	0.08	0	0.08	0	0.55	0.63
Sylhet	0	0.83	0	0.83	0	0.37	0	0.37	0	3.09	3.46
Sylhet Div	0	6.25	0	6.25	0	2.58	0	2.58	0	15.28	17.86
Total	185308	73245	9377	267929	63171	52197	9742	125110	12084	132929	270123
%	69.16	27.34	3.50	100.00	23.39	19.32	3.61	46.32	4.37	49.21	100.00

Species	Area (Ha)			Production (MT)			Kg/Ha		Growth Rate (%)	
	2018-19	2017-18	Difference	2018-19	2017-18	Difference	2018-19	2017-18	2018-19	2017-18
Bagda	185308	184821	487	63171	61709	1462	341	334	2.37	(-9.61)
Galda	73245	73860	(-)615	52197	51571	626	713	698	1.21	6.17
Other Shrimp/Prawn	-	-	-	9742	9270	472	38	36	5.09	(-)31.08
Shrimp/Prawn Total	258553	258681	(-)128	125110	122550	2560	484	474	2.09	(-)5.94
Fish	-	-	-	132929	131817	1111	514	510	0.84	13.53
Total	258553	258681	(-)128	258039	254367	3671	998	983	1.44	3.23
Crab	9377	9854	(-)477	12084	11787	297	1289	1196	2.52	(-)18.27

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

Table 3.25. Species-wise Production of Shrimp/Prawn Farms in 2018-19

Sl. No.	Species	Total Production (MT)	%
1	Bagda (<i>Penaeus monodon</i>)	63171	23.39
2	Galda (<i>Macrobrachium rosenbergii</i>)	52197	19.32
3	Harina (<i>Metapenaeus monoceros</i>)	4105	1.52
4	Chaka (<i>Fenneropenaeus indicus</i>)	2098	0.78
5	Other Shrimp/Prawn	3539	1.31
	Shrimp/Prawn Total	125110	46.32
6	Rui	28482	10.54
7	Catla	21254	7.87
8	Mrigal	3694	1.37
9	Kalibaus	0	0.00
10	Bata	2559	0.95
11	Gonia	189	0.07
12	Silver Carp	14305	5.30
13	Grass Carp	621	0.23
14	Mirror/Common Carp	585	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	38789	14.36
22	Thai Sharpunti	15318	5.67
23	Other Fish	7133	2.64
	Fish Total	132929	49.21
24	Crab	12084	4.47
	Grand Total	270123	100.00

Table 3.26. Sector-wise Annual Shrimp/Prawn Production in 2018-19

Sl. No.	Sector of Fisheries	Galda	Bagda	Harina	Chaka	Other Shrimp/ Prawn	Total
1	River	908	32	3025	17	9421	13403
2	Sundarbans	73	76	0	0	219	368
3	Beel	58	0	0	0	4110	4168
4	Kaptai Lake		0	0	0	175	175
5	Floodplain	1874	0	0	0	43370	45244
6	Pond	2016	0	0	0	4358	6374
7	Seasonal cultured water body	683	0	0	0	1072	1755
8	Baor	14	0	0	0	416	430
9	Shrimp/Prawn Farm	52197	63171	4105	2098	3539	125110
10	Pen Culture	0	0	0	0	79	79
11	Cage Culture	0	0	0	0	0	0
	Inland Total	57823	63279	7130	2115	66759	197106
12	Marine Industrial	0	206	1170	28	1329	2733
13	Marine Artisanal	0	2000	3395	4075	30546	40016
	Marine Total	0	2206	4565	4103	31875	42749
	Country Total	57823	65485	11695	6218	98634	239855
	Annual Growth Rate (%)	(-)5.85	1.77	(-)1.57	(-)6.34	(-)4.18	(-)2.98

Table 3.27. Annual Fish Production of Pen Culture in 2018-19

District	Area (Ha)	Production (MT)	MT/Ha	District	Area (Ha)	Production (MT)	MT/Ha
Dhaka	533	820	1.54	Dinajpur	0	0	0
Faridpur	586	1104.64	1.89	Gaibandha	19	32	1.68
Gazipur	392	905	2.31	Kurigram	90	137.02	1.53
Gopalganj	2094	3595.49	1.72	Lalmonirhat	8	11	1.38
Kishorgonj	392	945.26	2.41	Nilphamari	17	32	1.88
Madaripur	504	745.5	1.48	Panchagarh	3	4.5	1.50
Manikgonj	384	814	2.12	Rangpur	18	27	1.47
Munsigonj	66	166.93	2.53	Thakurgaon	0	0	0
Narayangonj	459	1253	2.73	Rangpur Division	155	243.52	1.57
Narsingdi	33	119.68	3.63	Bogura	20	60.6	3.00
Rajbari	0	0	0	Chapai Nawabganj	25	26	1.04
Shariatpur	32	37.3	1.17	Joypurhat	2	3	1.58
Tangail	1.62	8.35	5.15	Naogaon	0	0	0
Dhaka Division	5477	10515.15	1.92	Natore	0	0	0
Jamalpur	201	518.1	2.58	Pabna	3	3.45	1.38
Mymensingh	0	0	0	Rajshahi	0	0	0
Netrakona	45	93.93	2.09	Sirajganj	0	0	0
Sherpur	0	0	0	Rajshahi Division	50	93.05	1.88
Mymensingh Division	246	612.03	2.49	Bandarban	0	0	0
Bagerhat	0	0	0	Brahmanbaria	15	16	1.07
Chuadanga	0	0	0	Chandpur	60	90	1.50
Jashore	43	59	1.37	Chattogram	0	0	0
Jhenaidhah	0	0	0	Cumilla	56	59.7	1.07
Khulna	4	8	2.00	Cox's Bazar	0	0	0
Kushtia	5	12	2.40	Feni	2	4	1.65
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	132	210	1.59
Khulna Division	52	79	1.52	Chattogram Division	265	379.7	1.43
Barguna	4	7.4	1.85	Habiganj	0	0	0
Barishal	3	4	1.38	Moulvibazar	0	0	0
Bhola	0	0	0	Sunamgonj	16	19.05	1.19
Jhalokathi	55	395	7.18	Sylhet	5	10	1.85
Patuakhali	2	3	1.50	Sylhet Division	21.4	29.05	1.36
Pirojpur	0	0	0	Total	6330	12361	1.95
Barishal Division	64	409.4	6.41				

Table 3.28. Annual Fish Production of Cage Culture in 2018-19

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	35	Dinajpur	35	18.58	650	13
Faridpur	10	18.58	186	4	Gaibandha	60	18.58	1115	23
Gazipur	0	0	0	0	Kurigram	250	18.58	4645	103
Gopalganj	64	18.58	1189	30	Lalmonirhat	0	0	0	0
Kishorgonj	50	18.58	929	20	Nilphamari	20	18.58	372	8
Madaripur	604	18.58	11222	254	Panchagarh	20	18.58	372	9
Manikgonj	0	0	0	0	Rangpur	0	0	0	0
Munsigonj	154	18.58	2861	63	Thakurgaon	40	18.58	743	12
Narayangonj	0	0	0	0	Rangpur Division	425	18.58	7897	168
Narsingdi	881	18.58	16369	361	Bogura	0	0	0	0
Rajbari		0	0		C.Nawabganj	174	18.58	3233	72
Shariatpur	20	18.58	372	8	Joypurhat	0	0	0	0
Tangail	0		0	0	Naogaon	165	18.58	3066	64
Dhaka Division	1909	18.58	35469	775	Natore	80	18.58	1486	32
Jamalpur	40	18.58	743	17	Pabna	90	18.58	1672	38
Mymensingh	40	18.58	743	15	Rajshahi	30	18.58	557	11
Netrakona	0	0	0	0	Sirajganj	1385	18.58	25733	561
Sherpur	0	0	0	0	Rajshahi Division	1924	18.58	35747	778
Mymensingh Division	80	18.58	1486	32	Bandarban	0	0	0	0
Bagerhat	30	18.58	557	12	Brahmanbaria	470	18.58	8733	197.4
Chuadanga	20	18.58	372	8	Chandpur	2400	18.58	44592	984
Jashore	30	18.58	557	11.4	Chattogram	0	0	0	0
Jhenaidhah	0	0	0	0	Cumilla	120	18.58	2230	50
Khulna	0	0	0	0	Cox's Bazar	0	0	0	0
Kushtia	110	18.58	2044	44	Feni	100	18.58	1858	42
Magura	70	18.58	1301	24	Khagrachhari	0	0	0	0
Meherpur	70	18.58	1301	28	Lakshmipur	240	18.58	4459	75
Narail	0	0	0	0	Noakhali	0	0	0	0
Satkhira	0	0	0	0	Rangamati	300	18.58	5574	105
Khulna Division	330	18.58	6132	127	Chattogram Division	3630	18.58	67445	1453
Barguna	130	18.58	2415	38	Habiganj			0	
Barishal	248	18.58	4608	70	Moulvibazar	78	18.58	1449	35
Bhola	270	18.58	5017	150	Sunamgonj	185	18.58	3437	63
Jhalokathi	70	18.58	1301	28	Sylhet	105	18.58	1951	45
Patuakhali	40	18.58	743	16	Sylhet Division	368	18.58	6837	143
Pirojpur	60	18.58	1115	24	Total	9484	18.58	176213	3802
Barishal Division	818	18.58	15199	326					

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 2018-19

SL. No.	Species	Cage Culture		Pen Culture	
		Production (MT)	%	Production (MT)	%
1	Rui	0	0.00	1702	13.77
2	Catla	0	0.00	1189	9.62
3	Mrigal	0	0.00	1085	8.78
4	Kalibaus	0	0.00	135	1.09
5	Bata	0	0.00	294	2.38
6	Gonia	0	0.00	163	1.32
7	Silver carp	0	0.00	927	7.50
8	Grass carp	0	0.00	303	2.45
9	Mirror/Common carp	0	0.00	267	2.16
10	Other Exotic carp	0	0.00	195	1.58
11	Pangas	0	0.00	318	2.58
12	Boal/Air	0	0.00	47	0.38
13	Shol/Gazar/Taki	0	0.00	43	0.35
14	Koi	0	0.00	16	0.13
15	Shingi/Magur	0	0.00	8	0.07
16	Big Shrimp/Prawn	0	0.00	0	0.00
17	Small Shrimp/Prawn	0	0.00	79	0.64
18	Tilapia/Nilotica	3802	100	3009	24.35
19	Sarpunti/Thai punti	0	0.00	1329	10.75
20	Other Inland Fish	0	0.00	1252	10.12
	Total	3802	100	12361	100.00

Table 3.30. Annual Catch of Hilsa in Inland and Marine Fisheries in 2018-19

[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					
Dhaka	0	0	118	0	0	0	0	0	118	0	118
Faridpur	0	0	357	0	0	0	0	0	357	0	357
Gazipur	0	0	0	0	0	0	0	0	0	0	0
Gopalganj	0	0	0	0	0	0	7		7	0	7
Kishoreganj	0	167	0	0	0	0	0	0	167	0	167
Madaripur	0	0	185	0	0	0	0	0	185	0	185
Manikganj	0	0	1140	0	0	0	0	0	1140	0	1140
Munshiganj	0	382	570	0	0	0	0	0	952	0	952
Narayanganj	0	107	0	0	0	0	0	0	107	0	107
Narsingdi	0	152	0	0	0	0	0	0	152	0	152
Rajbari	0	0	525	287	0	0	0	0	812	0	812
Sariatpur	1166	0	2384	0	0	0	0	0	3550	0	3550
Tangail	0	0	0	0	37	0	0	0	37	0	37
Dhaka Division	1166	808	5279	287	37	0	7	0	7584	0	7584
Jamalpur	0	0	0	0	101	8	0	0	109	0	109
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	101	8	0	0	109	0	109
Bagerhat	0	0	0	0	0	0	825	144	969	917	1886
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	935	298	1233	735	1968
Kushtia	0	0	0	535		0	0	0	535	0	535
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	220	220	0	220
Khulna Division	0	0	0	535	0	0	1763	662	2960	1652	4612
Barguna	0	0	0	0	0	0	4850	0	4850	67033	71883
Barishal	34030	0	0	0	0	0	2506	0	36536	1270	37806
Bhola	81162	0	0	0	0	0	2997	0	84159	81563	165722
Jhalokathi	0	0	0	0	0	0	1058	0	1058		1058
Patuakhali	0	0	0	0	0	0	29641	0	29641	34365	64006
Pirojpur	0	0	0	0	0	0	1441	0	1441	1580	3021
Barishal Division	115192	0	0	0	0	0	42493	0	157685	185811	343496

Cont'd....

[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	5	8	0	0	13	0	13
Kurigram	0	0	0	0	0	190	0	0	190	0	190
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	5	198	0	0	203	0	203
Bogura	0	0	0	0	1	0	0	0	1	0	1
Chapainawabganj	0	0	0	32	0	0	0	0	32	0	32
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	10	0	0	0	0	10	0	10
Pabna	0	0	0	95	50	0	0	0	145	0	145
Rajshahi	0	0	0	173	0	0	0	0	173	0	173
Sirajganj	0	0	0	0	146	0	0	0	146	0	146
Rajshahi Division	0	0	0	310	197	0	0	0	507	0	507
Bandarban	0	0	0	0	0	0	0	0	0	0	0
Brahmanbaria	0	280	0	0	0	0	0	0	280	0	280
Chandpur	30684	0	0	0	0	0	2810	0	33494	0	33494
Chattogram	0	0	0	0	0	0	6883	0	6883	51295	58178
Cumilla	0	0	0	0	0	0	0	0	0	0	0
Cox's Bazar	0	0	0	0	0	0	2289	0	2289	36797	39086
Feni	0	0	0	0	0	0	35	0	35	10	45
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	20825	0	0	0	0	0	165	0	20990	3364	24354
Noakhali	9387	0	0	0	0	0	61	0	9448	11387	20835
Rangamati	0	0	0	0	0	0	0	0	0	0	0
Chattogram Division	60896	280	0	0	0	0	12243	0	73419	102853	176272
Habiganj	0	0	0	0	0	0	0	0	0	0	0
Moulvi Bazar	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	177254	1088	5279	1132	340	206	56518	662	242479	290316	532795
%	33.27	0.20	0.99	0.21	0.06	0.04	10.61	0.12	45.51	54.49	100

[Unit : Metric Ton]

Sector	2018-19			2017-18	
	Production	Production Increase	Growth Rate (%)	Production	Growth Rate (%)
River	241817	9751	4.20	232066	6.80
Sundarbans	662	30	4.75	632	4.75
Marine Industrial	12300	1240	11.21	11060	59.18
Marine Artisanal	278016	4576	1.67	273440	0.53
Total	532795	15597	3.02	517198	4.19

Table 3.31. Annual Catch of Marine Fisheries in 2018-19

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	37	87	1758	0	2378	4136
b) Fish Trawler	218	564	975	12300	89825	103100
TOTAL INDUSTRIAL (A)	255	651	2733	12300	92203	107236
B. Artisanal						
1. Gill Net Fishing						
a) Mechanized	20359	77768	0	254140	68545	322685
b) Non-mechanized	16831	40585	0	23876	21485	45361
SUB-TOTAL	37190	118353	0	278016	90030	368046
2. Set Bag Net Fishing						
a) Seasonal (MB)	10000	22404	30100	0	118970	149070
b) Seasonal (NMB)	5200	10000	7046	0	1335	8381
c) All Seasonal (NMB)	5550	10025	855	0	445	1300
SUB-TOTAL	20750	42429	38001	0	120750	158751
3. Long Line Fishing						
a) Jew Fish Long Line						
i. Mechanized	2500	10191	0	0	17498	17498
ii. Non-mechanized	400	900	0	0	450	450
b) Other Long Line (NMB)	325	772	0	0	155	155
SUB-TOTAL	3225	11863	0	0	18103	18103
4. Trammel Net Fishing (NMB)	131	422	1015	0	3230	4245
5. Other Gears Fishing (NMB)	6373	15640	1000	0	2530	3530
TOTAL ARTISANAL (B)	67669	188707	40016	278016	234643	552675
GRAND TOTAL (A+B)	67924	189358	42749	290316	326846	659911

- Annual **Growth Rate: 0.80%**, (Hilsa : 2.04%; Shrimp : (-) 12.48% and other species : 1.71%)
- Annual **Growth Rate (Industrial) : -10.70%**; **Growth Rate (Artisanal) : 3.38%**

Trawler		Boat		Gear	
Type	No.	Type	No.	Type	No.
Shrimp Trawler	37	MB (Mechanized Boat)	32859	Gill Net	118353
Fish Trawler	218	NMB (Non-Mechanized Boat)	34810	Set Bag Net	42429
				Long Line	11863
				Trammel Net	422
				Other Gear	15640
Total	255		67669		188707

Table 3.32. Species-wise Catch of Marine Fisheries in 2018-19

[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	2733	12300	27421	2656	0	849	5020	3010	724	52523	92203	107236
B. Artisanal												
1. Gill Net Fishing												
a) Mechanized	0	254140	790	5085	245	2550	25550	2160	1930	30235	68545	322685
b) Non- mechanized	0	23876	0	55	0	145	1850	100	30	19305	21485	45361
SUB-TOTAL	0	278016	790	5140	245	2695	27400	2260	1960	49540	90030	368046
2. Set Bag Net Fishing												
a) Seasonal	37146	0	25	59945	0	7400	2925	40	110	49860	120305	157451
b) All Seasonal	855	0	0	180	0	60	0	20	20	165	445	1300
SUB-TOTAL	38001	0	25	60125	0	7460	2925	60	130	50025	120750	158751
3. Long Line Fishing												
a) Jew Fish Long Line												
i. Mechanized	0	0	0	0	40	0	3750	5450	1405	6853	17498	17498
ii. Non-mechanized	0	0	0	0	10	0	145	110	35	150	450	450
b) Other LongLine	0	0	0	0	0	0	60	40	20	35	155	155
SUB-TOTAL	0	0	0	0	50	0	3955	5600	1460	7038	18103	18103
4. Trammel Net Fishing	1015	0	0	30	0	0	1295	420	0	1485	3230	4245
5. Other Gears' Fishing	1000	0	20	150	0	0	1005	105	0	1250	2530	3530
TOTAL ARTISANAL	40016	278016	835	65445	295	10155	36580	8445	3550	109338	234643	552675
GRAND TOTAL (Industrial+ Artisanal)	42749	290316	28256	68101	295	11004	41600	11455	4274	161861	326846	659911
%	6.48	43.99	4.28	10.32	0.04	1.67	6.30	1.74	0.65	24.53	49.53	100.00

Species-wise Annual Shrimp Catch in Marine Fisheries

Sector	Bagda (Tiger)	Harina (Brown)	Chaka (White)	Others	Total	Growth Rate (%)
Trawl Fishing	206	1170	28	1329	2733	(-)25.77
Artisanal Fishing	2000	3395	4075	30546	40016	(-)11.40
Total	2206	4565	4103	31875	42749	(-)12.48

Table 3.33. Annual Carp Hatchling Production in 2019

Source of Production	No. of Hatchery	Hatchling Production (Kg)	%
1) Natural			
Jamuna River	-	952	-
Padma River	-	970	-
Arialkha River	-	175	-
Brahmaputra River	-	50	-
Garai/Madhupati River	-	158	-
Surma	-	0	-
Halda River	-	191	-
Natural Total		2496	0.37
2) Artificial			
Govt. Hatchery	103	13485	2.03
Private Hatchery	935	650535	97.60
Artificial Total	1038	664020	99.63
COUNTRY TOTAL	1038	666516	100

Note: Hatchling of 4-5 days old. Growth rate of Natural Hatchling is (-) 73.09 and Artificial is (-) 3.31%

Table 3.34. Annual PL (Post Larve) Production in 2019

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	0.4
Private Hatchery	8	1.18	42	979.37	50	980.55
Total	35	1.58	42	979.37	77	980.95

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

Table 3.35. Hatchling Production of Govt. Hatchery in 2019

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-wise Fish Seed Multiplication Farm											
1. Dhaka	13	795	241	0	79	120	0	0	0	1235	0.00
2. Mymensingh	9	1276	282	5	166	56	0	0	0	1785	0.00
3. Khulna	14	1369	949	0	23	42	0	0	0	2383	14.10
4. Barishal	10	559	40	20	10	0	0	0	0	629	1.21
5. Rangpur	15	833	552	0	66	137	0	0	0	1588	0.50
6. Rajshahi	17	1283	799	8	84	295	0	0	165	2634	0.00
7. Chattogram	18	1463	259	4	39	53	0	0	102	1920	0.00
8. Sylhet	6	666	74	0	166	11	0	0	26	943	0.00
Total	102	8244	3196	37	633	714	0	0	293	13117	15.81
BFRI, Mymensingh	1	248	35	6	76	0	2	0	0	368	0
Country Total	103	8492	3231	43	709	714	2	0	293	13485	15.81

Table 3.36. Hatchling Production of Private Hatchery in 2019

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	45	13353	5658	2	1501	3021	276	721	334	24866	518
2. Mymensingh	310	54382	57403	7645	14063	3226	4846	27034	24096	192695	6595
3. Khulna	91	42525.7	32413	2760	1880	2728	1480	488.67	2362.93	86638	3366
4. Barishal	37	14654.84	7054	1165	2208	178	50	200	600	26110	1041
5. Rangpur	95	21627	23285	0	3092	8164	290	943	2049	59450	393
6. Rajshahi	177	60903	70330	14538	5029	15101	2775	9520	8722	186918	2073
7. Chattogram	154	43570	12823	6519	1494	682	242	118	120	65568	7353
8. Sylhet	26	4280	2770	28	660.42	275	30	162	85	8290	1485
Total	935	255295	211736	32657	29928	33375	9989	39187	38369	650535	22824

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

(2) Other Species: *Gonia*, *Chitol*, *Gulsa*, *Pabda* etc.

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

Table 3.37. District-wise Annual Production of Hatchlings of Private Hatchery in 2019

District	No. of Hatchery	Hatchling Production in Kg									Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Puntl	Bata	Koi	Shingi/Magur	Other	Total	
Dhaka	5	2545	1120	0	350	685	5	0	65	4770	10.82
Faridpur	2	495	295	0	120	350	0	0	0	1260	0
Gazipur	3	297	320	0	60	40	0	0	0	717	199.02
Gopalganj	1	1520	410	0	60		0	0	0	1990	0
Kishoreganj	10	3182	2008	0	280	50	0	0	0	5520	10.79
Madaripur	1	280	130	0	40	50	0	0	0	500	0
Manikganj	2	938	459	0	132	546	0	0	0	2075	0
Munshiganj	2	1060		0	70	460	0	0	0	1590	0
Narayanganj	1	0	0	0	0	0	0	0	0	0	0
Narsingdi	8	835	0	0	20	0	271	534	259	1919	215.8
Rajbari	3	665	340	0	0	45	0	0	0	1050	0
Shariatpur	1	115	0	0	0	0	0	0	0	115	0
Tangail	6	1421	576	2	369	795	0	187	10	3360	147.47
Dhaka Division	45	13352.7	5658	2	1501	3021	276	721	334	24866	583.9
Jalalpur	14	1488	640	0	150	471	20	70	50	2889	330
Mymensingh	273	51658	56192	7645	13685	2695	4706	25072	12999	174652	5332.54
Netrakona	12	196	181	0	73	0	120	1862	1922	4354	0
Sherpur	11	1040	390	0	155	60	0	30	9125	10800	932
Mymensingh Division	310	54382	57403	7645	14063	3226	4846	27034	24096	192695	6594.54
Bagerhat	1	112	300	0	0	0	0	0	0	412	35
Chuadanga	1	0	0	0	0	0	0	0	0	0	135
Jessore	41	30738.2	29337	2740	1050	822	1480	408.67	1655	68230.8	1190
Jhenaidah	0	0	0	0	0	0	0	0	0	0	0
Khulna	4	5870	0	0	420	520	0	0	310	7120	195
Kushtia	13	3500	1660	0	255	1110	0	80	300	6905	25
Magura	2	20.5	29	0	0	0	0	0	3	52.5	101
Meherpur	2	433	295	0	45	155	0	0	0	928	0
Narail	2	600	210	0	40	50	0	0	0	900	0
Satkhira	25	1252	582	20	70	71	0	0	95	2090	1686
Khulna Division	91	42525.7	32413	2760	1880	2728	1480	488.67	2363	86638.3	3366
Barguna	4	0	0	0	0	0	0	0	0	0	125
Barishal	14	6907.1	3510	550	1138	178		200	110	12593.1	249
Bhola	10	5122	2210	185	423		50		490	8480	590
Jhalokhati	1	450	100	0	0	0	0	0	0	550	0
Patuakhali	8	2175.74	1234	430	647	0	0	0	0	4486.74	77
Pirozpur	0	0	0	0	0	0	0	0	0	0	0
Barishal Division	37	14654.8	7054	1165	2208	178	50	200	600	26109.8	1041

Cont....

District	No. of Hatchery	Hatchling Production (Kg)									Tilapia Juvenile (Lakh)
		Major Carp	Exotic Carp	Pangas	Thai Puntl	Bata	Koi	Shingi/Magur	Other	Total	
Dinajpur	11	2090	2475	0	270	245	10	38	72	5200	20.1
Gaibandha	17	2057	2193	0	403	1745	135	420	1757	8710	304
Kurigram	13	3875	4060	0	610	1375	10	0	0	9930	37
Lalmonirhat	14	3306	3376	0	902	1552	0	45	60	9241	10
Nilphamari	11	4672	6408	0	670	467	0	20		12237	0
Panchagar	2	480	550	0	100	290	0	0	0	1420	0
Rangpur	21	2057	2193	0	17	1640	135	420	160	6622	22
Thakurgaon	6	3090	2030	0	120	850	0	0	0	6090	0
Rangpur Division	95	21627	23285	0	3092	8164	290	943	2049	59450	393
Bogura	105	36320	48728	11263	3212	9365	2665	8220	8247	128020	1223.15
Chapai Nababganj	3	545	500	0	40	35	0	0	0	1120	0
Joypurhat	9	5110	4105	915	515	1245		1080	180	13150	0
Naogaon	25	2898	4306	2360	105	1203	110	180	155	11317	0
Natore	9	1350	1160	0	40	240	0	0	0	2790	70
Pabna	7	5420	3375	0	395	975	0	0	0	10165	780
Rajshahi	12	3611	4223	0	259	717	0	40		8850	0
Sirajganj	7	5649	3933	0	463	1321	0	0	140	11506	0
Rajshahi Division	177	60903	70330	14538	5029	15101	2775	9520	8722	186918	2073.15
Bandarban	1	0	0	0	0	0	0	0	0	0	90
Brahmanbaria	18	5165	1085	960	435	110	0	40	30	7825	22.15
Chandpur	12	2101	481	0	262	2	10	15	5	2876	96.96
Chattogram	11	0	0	0	0	0	0	0	0	0	237
Cumilla	63	28569	10578	5399	529	570	232	63	25	45965	259.425
Coxes Bazar	10	105	0	0	0	0	0	0	0	105	982
Feni	15	5374	470	0	180	0	0	0	50	6074	3437
Khagrachhari	0	0	0	0	0	0	0	0	0	0	0
Lakshmipur	9	648	149	0	0	0	0	0	10	807	200
Noakhali	15	1608	60	160	88	0	0	0	0	1916	2030
Rangamati		0	0	0	0	0	0	0	0	0	0
Chattogram Division	154	43570	12823	6519	1494	682	242	118	120	65568	7353
Habiganj	7	603	507	0	145	25	30	12	85	1407	115
Maulavi Bazar	9	2418	1856	0	350	250	0	0	0	4874	815
Sunamganj	5	835	355	28	148.42	0	0	0	0	1366.42	495
Sylhet	5	424	52	0	17	0	0	150	0	643	60
Sylhet Division	26	4280	2770	28	660.42	275	30	162	85	8290.42	1485
Total	935	255295	211736	32657	29928	33375	9989	39187	38369	650535	22824
%	-	39.24	32.55	5.02	4.60	5.13	1.54	6.02	5.90	100.0	-

➤ Annual Growth Rate of Hatchlings:(-) 3.58%; Growth rate of Tilapia Juvenile :(-)15.31%

Table 3.38. Annual Carp Spawn/Fertilized Eggs Collected from Natural Sources in 2019

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 Tk/kg
1	2	3	4	5	6	7	8	9	10	11	12
Sirajganj	Sirajganj sadar	Vatpiary, Panchasona, Hatboyra, Shimla, Soyasekha	Jamuna	48	42	145	6	June to July	2	162	2500
Sirajganj	Shahjadpur	Sonatali, Belotia, Tarotia.	Jamuna	12	23	35	13	June to July	3	35	4000
Sirajganj	Chauhali	Khashkaolia, Basotia, Gorjan, Omarpur	Jamuna	5	10	15	5	June to July	2	300	1800
Sirajganj	Belkuchi	Khiramatia, Delua, Thakurpara, Jangalia	Jamuna	22	105	22	22	June to July	3	150	4333
Sirajganj	Kazirpur	Magai, Khudbandi, Shingrabari, Shuvagacha	Jamuna	8	16	160	8	May to June	3	174	2500
Pabna	Bera	Raksha, Nagarbari	Jamuna	5	19	31	5	May to June	2	131	2000
Jamuna Total				100	215	408	59		-	952	
Natore	Lalpur	Lakshmipur, Beelmatia	Padma	12	48	12	12	Aug to Sept	2	125	4000
Pabna	Ishardi	Kamarpur, Sharagat, dadapur	Padma	8	21	12	6	June to July	2	120	1200
Rajshahi	Ghudaghari	Alipur, Chakpara, Kharijagati	Padma	7	60	35	7	June to Aug	2	135	4000
Rajshahi	Paba	Berpara, Shyampur, Char Khidirpur, Talaimari	Padma	16	32	140	10	July to Aug	2	53	3500
Rajshahi	Chargat	Tangon Shapur, Yousofpur, Raotha, Chargatbridge, Mongli	Padma, Baral	40	70	30	30	June to Sept	2	250	3000
Rajshahi	Bagha	Sharerhat, Alaipur, Morshidpur, Mirgonj	Padma	10	85	50	10	Aug to Sept	2	190	3500
Faridpur	Faridpur sadar	North channel, Decree char, C&B ghat	Padma	4	13	50	8	June to July	2	97	1670
Padma Total				97	329	329	83		-	970	
Faridpur	Sadarpur	Karalcandi, Char Valashia, Chandrapara, Chudhurihat	Arial Kha	4	15	49	6	June to July	2	175	1671
Arialkha Total				4	15	49	6		-	175	
Faridpur	Modhukhali	Gharai Nodi	Gharai/Modhumati	7	21	82	8	June to Aug	2	72	1500
Magura	Sreepur	Modhumati	Gharai Nodi	8	30	48	16	July to Aug	1	24	3000
Magura	Mohammadpur	Naderchad ghat, Kumarpur, Alanbari, Babukhali	Modhumati	5	5	50	1	July to Aug	1	50	3000
Magura	Magura sadar	Kalinagar ghat, Ghayshpur ghat	Modhumati	3	15	24	6	July to Aug	1	12	3000
Gharai, Modhumati Total				23	71	204	31		-	158	
Sylhet	Golapgonj	Hajipur	Surma	0	0	0	0	-	-	0	0
Surma Total				0	0	0	0		-	0	
Gaibandha	Shagatta	Munshir hat	Brahmaputra	4	20	12	2	June to July	1	30	1200
Gaibandha	Fulshari	3 rd Ghat, Rasulpur	Brahmaputra	2	10	10	2	June to July	1	20	1200
Brahmaputra Total				6	30	22	4			50	
Chattogram	Hathazari	Katakhalighona, Mardarsha, Masuagona,	Halda	117	285	135	135	Apr to June	1	104	4300
Chattogram	Rawzan	Khalifarghona, Ramdashat, Keraltalir Bak	Halda	50	195	95	95	Apr to June	1	87	4300
Halda Total				167	480	230	230	Apr to June		191	---
Country Total				397	1140	1242	413			2496	

Table 3.39. Year-wise Annual Export of Fish and Fish Product (2002-03 to 2018-19)

Quantity in Metric Ton

Value in Crore Taka

1 US Dollar = 80.59Taka

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

Source: EPB (Export Promotion Bureau) and FIQC (Fish Inspection and Quality Control), Department of Fisheries. Note: Chilled fish was included in the column of frozen fish before the year 2010-11; Crab: 470.23 MT & Value: 44.88 crore taka and Kuchia: 14592.29 MT & Value: 293.69 crore taka; *4250.31 crore taka (as per EPB data).

Exported Frozen Shrimp/ Prawn in 2018-19

	Export Amount (MT)	Export Value (Crore Taka)
Galda	5146.78	647.73
Bagda	24396.49	2204.68
Others	3819.25	236.44
Total	33362.52	3088.85

Table 3.40. Sector-wise Annual Fish Production (2006-07 to 2018-19)

[Unit : Metric Ton]

Year	Capture					Culture							Marine		Total	Growth Rate (%)
	River	Sundarbans	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

Note : From 2013-14 a part of Floodplain area is splitted into Pen Culture as one of the new aqua-culture system.

Table 3.41. Species-wise Annual Fish Production (2006-07 to 2018-19)

[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
1	Major Carp	535492	547652	617761	692597	753572	777005	731662	728695	755074	750880	811588	846397	875624
2	Other Carp	9821	9339	11155	64359	55021	60356	54130	80138	80997	80647	100730	111373	116130
3	Exotic Carp	292961	333452	305938	376006	265375	299494	402490	389642	363737	357933	409801	454078	476762
4	Pangas (Cat Fish)	-	-	-	-	-	-	-	371068	406818	504674	510097	453383	458307
5	Other Cat Fish	58588	85869	117856	208972	221965	288887	360722	81536	64537	65130	66646	68850	69636
6	Snake Head	102686	110460	122093	113989	117577	89351	53305	60282	69305	70106	72991	73358	75147
7	Live Fish	58158	75286	77113	101368	94000	95063	102651	115185	133512	136113	127120	144007	152242
8	Tilapia	-	-	-	-	-	-	-	298062	347801	377346	370017	381215	390559
9	Other Inland fish	643160	643876	646085	575620	710853	763668	835457	524488	542711	568446	598923	554558	562585
10	Hilsa	279189	290000	298921	313753	339845	346512	351223	385140	387211	394951	496417	517198	532795
11	Shrimp/Prawn	221131	223095	244972	186418	239460	252523	228769	223788	230244	234188	246774	247304	239855
12	Crab	-	-	-	-	-	-	-	-	-	13160	14421	11787	12084
13	Sarpunti												91792	95649
14	Sardine	-	-	-	-	-	20187	29636	27590	32835	44386	48704	41486	28256
15	Bombay Duck	36009	36980	58263	58464	60750	62817	71745	51673	53950	58545	69230	75085	68101
16	Indian Salmon	969	1040	7733	7733	4521	3030	2445	1960	1020	895	775	487	295
17	Pomfret	13061	16728	46643	50245	40478	39537	29693	23355	11437	10593	10686	11899	11004
18	Jew Fish	35214	33803	38414	35514	36639	37929	30600	36170	31826	31894	33768	35427	41600
19	Sea Cat Fish	18131	20534	16515	16722	17193	19700	8594	9719	9476	8695	8424	9455	11455
20	Shark/ Skate / Ray	4790	4767	3933	4794	4205	3865	5017	5648	5093	4622	4495	3974	4274
21	Other Marine Fish	130651	130415	87975	92644	100233	101858	112115	133976	156661	165120	132827	143527	161861
	Total	2440011	2563296	2701370	2899198	3061687	3261782	3410254	3548115	3684245	3878324	4134434	4276640	4384221

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 3.42. Fish Production Trend (1983-84 to 2018-19)

Sector of Fisheries	Production (MT)								Growth Rate % (2018-19)
	1983-84	1993-94	2003-04	2013-14	2015-16	2016-17	2017-18	2018-19	
A. Inland Fisheries									
1. River and Estuary	207766	143425	137337	167373	178458	271639	320598	325478	1.52
2. Sundarbans	7783	7127	15242	18366	16870	18086	18225	18282	0.31
3. Beel	51373	55592	74328	88911	95453	98117	99197	99890	0.70
4. Kaptai Lake	4057	6635	7238	8179	9589	9982	10152	10578	4.19
5. Floodplain	200616	360597	497922	712976	747872	765782	768367	781481	1.71
Capture Total	471595	573376	732067	995805	1048242	1163606	1216539	1235709	1.58
6. Pond	107944	222542	795810	1526160	1719783	1833118	1900298	1974632	3.91
7. Seasonal cultured waterbody	0	0	0	193303	207658	215547	216353	217340	0.46
8. Baor	862	2201	4282	6514	7729	8002	8072	10343	28.13
9. Shrimp/Prawn Farm	8219	39447	114660	216447	239798	246406	254367	258039	1.44
10. Crab	0	0	0	0	13160	14421	11787	12084	2.52
11. Pen Culture	0	0	0	13054	13364	13368	11015	12361	12.22
12. Cage Culture	0	0	0	1447	2062	2490	3523	3802	7.92
Culture Total	117025	264190	914752	1956925	2203554	2333352	2405415	2488601	3.46
Inland Fisheries Total (A)	588620	837566	1646819	2952730	3251796	3496958	3621954	3724310	2.83
B. Marine Fisheries									
13. Industrial (Trawler Fishing)	14500	12454	32606	76885	105348	108479	120087	107236	(-)10.70
14. Artisanal	150382	240590	422601	518500	521180	528997	534600	552675	3.38
Marine Fisheries Total (B)	164882	253044	455207	595385	626528	637476	654687	659911	0.80
Total Fish Production (A+B)	753502	1090610	2102026	3548115	3878324	4134434	4276641	4384221	2.52

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

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	Gonia								
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.

Signature and Seal

Government of the People's Republic of Bangladesh
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	Gonia				
7	Pangas				
8	Boal/Air				
9	Shol/Gazar/Taki				
10	Koi				
11	Shingi/Magur				
12	Sarpunti				
13	Other Inland Fish				
14	Hilsa/Ilish				
15	Galda				
16	Bagda				
17	Harina				
18	Chaka				
19	Other small shrimp/prawn				
	Total				

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

Signature and Seal

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	Gonia													
07	Pangas													
08	Boal/Air													
09	Shol/Gazar/Taki													
10	Koi													
11	Shingi/Magur													
12	Sarpunti													
13	Other Inland Fish													
14	Hilsa/Ilish													
15	Galda													
16	Bagda													
17	Harina													
18	Chaka													
19	Other small shrimp/prawn													
	Total													

98

Signature and Seal

Pond Fisheries



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

Signature and Seal

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 : -----

4. 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 : < 1.5MT/Ha
 Intensive : > 4-10MT/Ha

Semi-intensive: 1.5-4 MT/Ha
 Highly-intensive: >10 MT/Ha

Signature and Seal

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

Pond - 3

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
Intensive : > 4 – 10MT/Ha

Semi-intensive: 1.5-4 MT/Ha
Highly-intensive:>10 MT/Ha

Signature and Seal

MONTHLY CATCH ASSESSMENT SURVEY OF POND

06

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	Gonia															
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

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

Pond - 4

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) Gonia					
(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					

Signature and Seal

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 Others
 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						
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Gonia								
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 of Officer -----

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							
01	Rui									
02	Catla									
03	Mrigal									
04	Kalibaus									
05	Bata									
06	Gonia									
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 Punt									
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

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

Beel- 4

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)
		1 st day	2 nd day	3 rd day	4 th day	5 th day	6 th day		
01	Rui								
02	Catla								
03	Mrigal								
04	Kalibaus								
05	Bata								
06	Gonia								
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

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

Beel- 5

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 katta for whole season----- (N)
8. Number of sample katta observed ----- (n)
9. Raising Factor = $N/n =$ -----

Species Code	Species	Catch of Sample Katta 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	Gonia								
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

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	Gonia			
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)
10. Type of Culture (1) Exclusively shrimp/prawn (2) Mixed

11. 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) Gonia					
	(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
		Golda Farm				Bagda Farm					Total		Area	Production	
		Area	Production			Area	Production				Area	Production			
			Golda	Other Shrimp	Fish		Bagda	Golda	Other Shrimp	Fish					
14	15														
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

100

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	Gonia														
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

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

Form-S2/F2

CATCH ASSESSMENT SURVEY OF SUBSISTENCE FISHING

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

10. 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	Gonia							
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

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 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	Gonia														
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														

104

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 WATER BODY

1. District----- Code 2. Upazila-----
 3. Name of Waterbody----- Name of Officer -----
 4. Village-----5. Type of water body: (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	Gonia														
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														

106

Production per Ha-----Kg/Ha

Signature and Seal

Pen and Cage Culture

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 Seal

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	Gonia														
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)

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 license: 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 LongitudeE
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
Pomfret	
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:

	Locall	Foreign
Officer
Crew
Total

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

14. Remarks:

Name and signature of inspecting officer:

Date:

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

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

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

SAMPLE CATCH RECORD MARINE ARTISANAL FISHERIES

District: Date:

Upazila: Name of Officer.....

Landing Center or Fishing Village.....

Type of gear used	<input type="text"/>	No. of all landings	<input type="text"/>	No. of Sample landings	<input type="text"/>
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

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

Form : MA -3

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												

115

Signature and 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								Total Prod (5+8)
		River				Other Water Bodies				
		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

Chart - 1

Compilation_Data

**FRSS Chart-1
Sector-wise Annual Fish Production in Open Water for ----- (year)**

Name of District:
Ton

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	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																	

117

Signature and Seal

Chart - 2

Compilation_Data

**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												Total			
		*Culture Method															
		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



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				Prod.	No	Av. area/ Cage (Sq. meter)	Prod..	Area	Prod.			
		Area	Production			Area	Production			Area	Prod.													
			Galda	Other Shrimp	Fish		Bagda	Golda	Other Shrimp			Fish												
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																							

119

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
Kazi Mofizul Hoque	Statistical Officer Department of Fisheries
Quazi Sania Afreen	Research Officer Department of Fisheries
Begum Razia Sultana	Research Officer Department of Fisheries
Halima Akhter	Cartographer 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

No Objection Letter

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
বাংলাদেশ পরিসংখ্যান বুরো
সেকশাস উইং
পরিসংখ্যান ভবন, ই-২৭/এ আদারগাঁও, ঢাকা-১২০৭
www.bbs.gov.bd

নং: ৫২.০২.০০০০.৪০৩.১৬.০৩৬.১৬(অংশ-২).০৪৪ তারিখ: ০৯ জ্যৈষ্ঠ, ১৪২৬
২৩ মে, ২০১৯

বিষয়: মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত 'Yearbook of Fisheries Statistics of Bangladesh, 2018-19' শীর্ষক পুস্তিকা প্রকাশে শর্তসাপেক্ষে অনাপত্তি প্রদান।

সূত্র: মৎস্য অধিদপ্তরের-এর পর নং- ৩৩.০২.০০০০.১২৫.৬২ ০০২ ১৩.১২১ তারিখ: ০৪/০৪/২০১৯ খ্রি।

উপর্যুক্ত বিষয় ও সূত্র পত্রের পরিপ্রেক্ষিতে মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক পুস্তিকা প্রকাশে এতৎসঙ্গে সংযুক্ত ফরম-২ অনুযায়ী শর্তসাপেক্ষে অনাপত্তি প্রদান করা হলো।

সংযুক্তি: ফরম-২।

মহাপরিচালক
মৎস্য অধিদপ্তর
রমনা, ঢাকা।

(মো. জাহিদুল হক সরদার)
পরিচালক
ফোন: ০২-৫৫০০৭০৫৪
ইমেইল: hoquesardarbbs@gmail.com

অনুলিপি (সময় জ্ঞাতার্থে):
০১। সচিবের একান্ত সচিব, পরিসংখ্যান ও তথ্য ব্যবস্থাপনা বিভাগ, পরিসংখ্যান ভবন, ঢাকা।
০২। অফিস কপি।

ফরম-২

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিকল্পনা মন্ত্রণালয়
পরিসংখ্যান ও তথ্য ব্যবস্থাপনা বিভাগ
বাংলাদেশ পরিসংখ্যান ব্যুরো

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 এতদসংক্রান্ত বিধি ও নীতিমালা অনুযায়ী নিম্নবর্ণিত শর্তসাপেক্ষে মংস্য অধিদপ্তর কে "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক পুস্তিকা প্রকাশে অনাপত্তি প্রদান করা হইল।

শর্তসমূহ:

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

(খ) জরিপ হইলে

(অ) নমুনায়ন ক্রেম: লিস্টিং ক্রেম।

(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, সাবসিস্টেন্স ৬৪০, মৌসুমী জলাশয়-৬৪, বাওড়- সকল বাওড়, চিংড়ি- সকল চিংড়ি খামার (কৌকড়াসহ), পেন/কেইজ কালচার- সকল, মেরিন-৯২২৫।

(উ) তথ্য সংগ্রহের সময়কাল: জুলাই ২০১৮ হতে জুন ২০১৯।

(ঊ) ফলাফল প্রকাশের সময়কাল: সেপ্টেম্বর, ২০১৯।

(ঋ) প্রকাশনা/প্রতিবেদনে Reliability of Estimates সংযোজন করিতে হইবে।

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

(ঘ) পরবর্তীতে জরিপের পূর্বে Sampling Frame ও Methodology Update করিতে হইবে;

(ঙ) তথ্য সংগ্রহের পূর্বে প্রতিবছর তথ্য সংগ্রহকারীদের যথাযথ প্রশিক্ষণ প্রদান নিশ্চিত করিতে হইবে;

(চ) 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 করিতে হইবে;

(ছ) জরিপের প্রতিবেদন প্রকাশের পূর্বে প্রস্তুতকৃত মসডা প্রতিবেদন এ কমিটির সভায় উপস্থাপন করিতে হইবে;

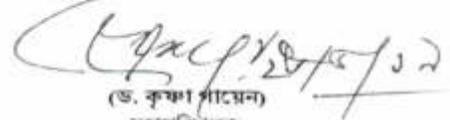
(জ) প্রকাশিত জরিপ প্রতিবেদনের সাথে বিবিএস-এর অনাপত্তিপত্র সংযুক্ত করতে হবে এবং বিবিএসকে প্রকাশনার ১০ (দশ) টি কপি সরবরাহ করিতে হইবে;

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

২। মংস্য অধিদপ্তর 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ নীতিমালা, ২০১৬' অনুসরণ এবং ব্যুরো কর্তৃক প্রদত্ত শর্তাবলী পূরণ ও মান বজায় রাখিবার বিষয়টি নিশ্চিত করিবে।

৩। নির্ধারিত সময়সীমার মধ্যে পরিসংখ্যান প্রস্তুত ও প্রকাশের কার্যক্রম সম্পন্ন করিতে না পারিলে সংস্থা এই বিধিমালায় অধীন বাংলাদেশ পরিসংখ্যান ব্যুরোর নিকট সময় বৃদ্ধির জন্য আবেদন করিতে পারিবে।

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



(ড. কুফা সায়েন)

মহাপরিচালক

(অতিরিক্ত সচিব)

ফোন: ০২-৫৫০০৭০৫৬

ইমেইল: dg@bbs.gov.bd



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

নং: ৫২.০১.০০০০.৪০৩.১৬.০৩৬.১৬(অংশ-২).

তারিখ: জ্যৈষ্ঠ, ১৪২৬
মে, ২০১৯

বিষয়: মৎস্য অধিদপ্তর কর্তৃক "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক পুস্তিকা প্রকাশে অনাপত্তি প্রদান বিষয়ে জরিপ/শুমারি প্রস্তাব পরীক্ষা, অনুমোদন ও পরিবীক্ষণ কমিটির সভার কার্যবিবরণী।

- ১.১ সভার তারিখ ও সময় : ০৫ মে, ২০১৯ সময়: সকাল ১০:৩০ টা।
১.২ সভার স্থান : মহাপরিচালক মহোদয়ের সভাকক্ষ, পরিসংখ্যান ভবন।
১.৩ সভাপতি : ড. কৃষ্ণা গায়েন, মহাপরিচালক, বাংলাদেশ পরিসংখ্যান ব্যুরো।
১.৪ সভায় উপস্থিত সদস্যগণের তালিকা পরিশিষ্ট - 'ক'-তে সংযুক্ত করা হলো।

২.০১ সভার শুরুতে সভাপতি উপস্থিত সকল সদস্যকে ধাগত জানিয়ে সভার কার্যক্রম শুরু করেন। তিনি সভার কার্যসূচি উপস্থাপন ও সে অনুযায়ী সভা পরিচালনার জন্য জরিপ/শুমারি প্রস্তাব পরীক্ষা, অনুমোদন ও পরিবীক্ষণ কমিটির সদস্য-সচিব কে অনুরোধ জানান। সদস্য-সচিব ও পরিচালক, সেপাস উইং সকলকে অবগত করেন যে, মৎস্য ও প্রণিসম্পদ মন্ত্রণালয়ের আওতাধীন মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক প্রতিবেদনটি প্রকাশের নিমিত্ত অনাপত্তি প্রদানের অনুরোধ করে নির্ধারিত ফরম-১ এর মাধ্যমে আবেদন জানানো হয়েছে। পরিসংখ্যান আইন, ২০১৩ এর ধারা ১১-এ বর্ণিত রয়েছে যে, 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-এর সভা আহ্বান করার নির্দেশনা রয়েছে। বর্ণিতাবস্থায়, মৎস্য অধিদপ্তর কর্তৃক প্রস্তুতকৃত "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক প্রতিবেদনটি প্রকাশে অনাপত্তি প্রদান বিষয়ে বিস্তারিত আলোচনাপূর্বক সিদ্ধান্ত গ্রহণ করা প্রয়োজন। তিনি এ পর্যায়ে সভাপতির অনুমতিক্রমে সভায় উপস্থিত মৎস্য অধিদপ্তরের প্রতিনিধি কে আলোচ্য প্রতিবেদনের উপর বিস্তারিত উপস্থাপনা প্রদানের অনুরোধ জানান। অতঃপর সভায় মৎস্য অধিদপ্তরের প্রতিনিধি "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক প্রতিবেদন-এর 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।

৩.০১ আলোচনা:

৩.১ সভায় "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" শীর্ষক প্রতিবেদন-এর Methodology, Objective, Questionnaire, Data collection, Analysis প্রক্রিয়া ও রিপোর্ট প্রণয়ন পদ্ধতি সম্পর্কে বিস্তারিত আলোচনা হয়। আলোচনার শুরুতেই সভাপতি মহোদয় মৎস্য অধিদপ্তর কর্তৃক ২০১৭ সালে প্রকাশিত "Yearbook of Fisheries Statistics of Bangladesh, 2016-17" 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, জরিপটিতে এখনও ১৯৮৩ সালে প্রণীত Frame ব্যবহার করা হচ্ছে, বর্তমানে অবশ্যই নতুন Frame প্রয়োজন। সেক্ষেত্রে বিবিএস-এর কৃষি শুমারি ২০১৯ সম্পন্ন হলে জরিপের Sampling Frame Update করা সহায়ক হবে।

৩.২ সভার এ পর্যায়ে উপমহাপরিচালক, বিবিএস বলেন, "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" 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-র পাশাপাশি Survey data থাকে এবং উক্ত Survey-তে নমুনায়নের মাধ্যমে সমগ্র দেশের মৎস্য সেট্টরের সকল খাঙের তথ্য সংগ্রহ করা হয়।

৩.৫। আলোচনায় অংশ নিয়ে পরিচালক, কম্পিউটার উইং বলেন, 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ মীতিমালা, ২০১৬' অনুযায়ী বিবিএস ব্যতীত অন্য কোন সংস্থা কর্তৃক জরিপ পরিচালনার ফোরে এই কমিটি উক্ত জরিপের প্রথম, নমুনা পদ্ধতি ও অন্যান্য প্রাসঙ্গিক বিষয় পরীক্ষামূলক মতামত প্রদান করেছে। সেফোরে এই কমিটি জরিপের Methodology পর্যালোচনা করে অনুমোদন করতে পারে, পুরো প্রতিবেদন অনুমোদনের প্রয়োজন নেই। এতে সত্যার সদস্যগণ একমত পোষণ করেন। উপপরিচালক, সেকেন্স উইং বিবিএস বলেন, ভবিষ্যতে প্রতিবেদন প্রকাশে অস্বাভাবিক আবেদন না করে সংশ্লিষ্ট জরিপ পরিচালনার পূর্বে আবেদন করা উচিত হবে। তবে মৎস্য অধিদপ্তরের লক্ষ হতে জরিপে অস্বাভাবিক প্রদানের পাশাপাশি পূর্ণাঙ্গ খসড়া প্রতিবেদনের উপর বিবিএস কর্তৃক মতামত প্রদানের জন্য অনুরোধ করা হয়। এ বিষয়ে, উপসচিব, পরিসংখ্যান ও তথ্য ব্যবস্থাপনা বিভাগ বলেন, প্রতিবেদনের উপর মতামতের জন্য মৎস্য অধিদপ্তর বিবিএস-কে পৃথক পর প্রেরণ করতে পারে। তবে, সেটি আইনের বাধ্যবাধকতা নয়। এ কমিটির মূল দায়িত্ব জরিপ পদ্ধতি বিস্তারিত পর্যালোচনা করা।

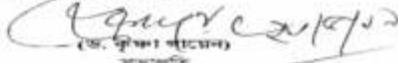
৩.৬। এ শর্যাে "Yearbook of Fisheries Statistics of Bangladesh, 2017-18" নিয়ে আলোচনা হয়। প্রতিবেদনটি বর্তমানে বিজি প্রেস-এ মুদ্রণাধীন রয়েছে বলে মৎস্য অধিদপ্তর কর্তৃক সত্কে অবগত করা হয়। বিজি প্রেসের প্রতিনিধি আলোচ্য প্রতিবেদনে যেদিন সেট্টরের আখ্যান আরও উন্নত সহকারে উপস্থাপনের বিষয়ে মত ব্যক্ত করেন। এ বিষয়ে মৎস্য অধিদপ্তরের প্রতিনিধি সত্কে জানান যে, সাময়িক মৎস্য আহরণ বিষয়ে জরিপ পরিচালনার জন্য মৎস্য অধিদপ্তরের সক্ষমতা বৃদ্ধির উদ্যোগ গ্রহণ করা হয়েছে।

৪.০১ সিদ্ধান্তসমূহ:

সত্কার সদস্যগণের আলোচনা হতে প্রাপ্ত মতামত ও সুপারিশসমূহ পর্যালোচনামূলক মৎস্য অধিদপ্তর-কে সত্কার নিম্নলিখিত সিদ্ধান্তসমূহ বাস্তবায়ন সাপেক্ষে প্রস্তাবিত "Yearbook of Fisheries Statistics of Bangladesh, 2018-19" প্রকাশে অস্বাভাবিক প্রদানে সর্বসম্মতিক্রমে সুপারিশ করা হয়:

- (১) ভবিষ্যতে প্রতিবেদন প্রকাশের পরিবর্তে প্রতিবেদনের তথ্য সংগ্রহের জন্য পরিচালিত জরিপ (Catch Assessment Survey) কার্যক্রম সত্কার পূর্বে অস্বাভাবিক আবেদন করতে হবে;
- (২) পরবর্তীতে জরিপের Sampling Frame ও Methodology Update করতে হবে;
- (৩) তথ্য সংগ্রহের পূর্বে প্রতিবেদন তথ্য সংগ্রহকারীদের মধ্যায় প্রশিক্ষণ প্রদান নিশ্চিত করতে হবে;
- (৪) তথ্য সংগ্রহ ও রিপোর্ট প্রণয়নের সাথে জড়িত কর্মকর্তা/কর্মচারীদের প্রশিক্ষণ এবং মত পর্যাে তথ্য সংগ্রহের কাজ পরিষীকণে জাতীয় পরিসংখ্যান সংস্থা হিসেবে বিবিএস-কে সম্পৃক্ত করতে হবে;
- (৫) জরিপের প্রতিবেদন প্রকাশের পূর্বে প্রস্তুতকৃত খসড়া প্রতিবেদন এ কমিটির সত্কার উপস্থাপন করতে হবে;
- (৬) প্রকাশিত জরিপ প্রতিবেদনের সাথে বিবিএস-এর অস্বাভাবিক প্রদানের সংখ্যক করতে হবে এবং বিবিএসকে প্রকাশনার ১০ (দশ) টি কপি সরবরাহ করতে হবে;
- (৭) 'সংস্থা কর্তৃক পরিসংখ্যান প্রস্তুত ও প্রকাশ মীতিমালা, ২০১৬'-এর অনুচ্ছেদ-৪, ৫ ও ৭-এর নির্দেশনাসমূহ মধ্যায়সত্বে প্রতিপালন করতে হবে।

৩.০। সত্কার আর কোন আবেদ্য বিষয় না থাকায় সত্কার সত্কার সকল সদস্যকে ধন্যবাদ জানিয়ে সত্কার সমাপ্তি ঘোষণা করেন।


(ড. ফারুক হোসেন)
সত্কার

মহাপরিচালক, বিবিএস
ফোন: ৫২০০৭০৪৬
ইমেইল: dg@bbs.gov.bd

বিতরণ (সেআকতার কমান্ডারের মধ্য):

০১. সদস্য, সাধারণ অর্থনীতি বিভাগ, পরিকল্পনা কমিশন, শেরে বাংলা দ্বার, ঢাকা।
০২. সচিব, মৎস্য ও প্রাণিসম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
০৩. মহাপরিচালক, বাংলাদেশ উন্নয়ন গবেষণা প্রতিষ্ঠান, আগারগাঁও, ঢাকা।
০৪. মহাপরিচালক, মৎস্য অধিদপ্তর, ময়না, ঢাকা।
০৫. উপমহাপরিচালক, বিবিএস, আগারগাঁও, ঢাকা।
০৬. ড. সৈয়দ মোহাম্মদ হোসেন, প্রফেসর, আইএসআরই, ঢাকা বিশ্ববিদ্যালয়।
০৭. পরিচালক, আইএসআরই, ঢাকা বিশ্ববিদ্যালয়।
০৮. পরিচালক, এগ্রিকালচার উইং, বিবিএস, আগারগাঁও, ঢাকা।
০৯. পরিচালক, ম্যানেজাল অ্যাকাউন্টিং উইং, বিবিএস, আগারগাঁও, ঢাকা।
১০. পরিচালক, সেকেন্স উইং, বিবিএস, আগারগাঁও, ঢাকা।
১১. ড. ফিলকের রায়, প্রকল্প পরিচালক, HED প্রকল্প (সেআক), বিবিএস, আগারগাঁও, ঢাকা।
১২. পরিচালক, কম্পিউটার উইং, বিবিএস, আগারগাঁও, ঢাকা।
১৩. উপসচিব, প্রশাসনিক শাখা, পরিসংখ্যান ও তথ্য ব্যবস্থাপনা বিভাগ, আগারগাঁও, ঢাকা।
১৪. জগদীশ চন্দ্র, অস্বাভাবিক প্রদানের উপপরিচালক ও মৎস্য সচিব, এলাজিবি বিষয়ক টেকনিক্যাল ওয়ার্কিং কমিটি, বিবিএস, ঢাকা।
১৫. জগদীশ চন্দ্র, প্রোগ্রামার, প্রোগ্রামার, কম্পিউটার উইং, বিবিএস (বিবিএস ও তথ্যমাষ্ট্রেট অ্যাপলোডের অনুমোদনসত্বে)।

অস্বাভাবিক প্রদান করণ করণসমূহ:

০১. সচিবের একান্ত সচিব, পরিসংখ্যান ও তথ্য ব্যবস্থাপনা বিভাগ, আগারগাঁও, ঢাকা।
০২. সত্কার অফিসার, মহাপরিচালকের সত্কার, বিবিএস, আগারগাঁও, ঢাকা।
০৩. অফিস কনি:

