# Human Resources and Organisational Management

13.01 This chapter endeavors to reveal the initiatives taken to improve governance structure and manage the human resources of Bangladesh Bank (BB). It also provides functions of different committee of the board along with BB's governance structure. Information technology and communication (ICT) related activities and upgraded ICT strategies undertaken in FY21 are also highlighted in this chapter.

## **Governance Structure**

# **Board of Directors**

13.02 Under section 9(3) of Bangladesh Bank Order, 1972 (President's Order No. 127 of 1972) later amended as Bangladesh Bank (Amendment) Act, 2020, the Board of Directors is the apex body in governance structure of BB. The Board comprises the Governor, one Deputy Governor, four Directors who are not Government officials and three Government officials. All the Directors of the Board are nominated by the Government. The Board of Directors of BB for FY21 has partly been reconstituted. Mr. Fazle Kabir. Governor of BB. is the Chairman of the Board of Directors. Mr. Ahmed Jamal, Deputy Governor, was appointed as Director of the Board in place of Mr. S. M. Moniruzzaman with effect from 17 January 2021 while, Mr. S. M. Moniruzzaman, Deputy Governor has served as Director of the Board up to 31 December 2020. Mr. Md. Masud Biswas, Executive Director, was made as the Secretary to the Board in place of Mr. Mohd. Humayun Kabir with effect from 08 December 2020 while Mr. Mohd. Humayun Kabir has looked after the duties of the Secretary of the Board from 23 November 2020 to 07 December 2020. Mr. Kazi Sayedur Rahman has served as Secretary of the Board up to 21 November 2020. There were 08 members in the Board of Directors as on 30 June 2021 while waited for one more member from non government officials for appointing in the Board. During FY21, 10 (Ten) meetings of the Board of Directors were held.

## **Executive Committee**

13.03 Under section 12(1) of Bangladesh Bank Order, 1972 (President's Order No. 127 of 1972) later amended as Bangladesh Bank (Amendment) Act, 2020, the Executive Committee (EC) constituted with the following officials as on 30 June 2021.

Mr. Fazle Kabir	Chairman
Mr. Md. Ashadul Islam	Member
Mr. Mahbub Ahmed	Member
Mr. Ahmed Jamal	Member
Mr. Md. Masud Biswas	Secretary

Mr. Ahmed Jamal, Deputy Governor, was appointed as Member of the Executive Committee in place of Mr. S. M. Moniruzzaman with effect from 17 January 2021 while, Mr. S. M. Moniruzzaman, served as Member of the Executive Committee up to 31 December 2020. Mr. Md. Masud Biswas, Executive Director, took the responsibility of the Secretary of the Executive Committee in place of Mr. Mohd. Humayun Kabir with effect from 08 December 2020 while Mr. Mohd. Humayun Kabir looked after the duties of the Secretary of the Executive Committee from 23 November 2020 to 07 December 2020. Mr. Kazi Sayedur Rahman served as Secretary of the Executive Committee up to 21 November 2020. During

FY21, 06 (Six) meetings of the Executive Committee were held.

# Audit Committee of the Board

13.04 In line with the international best practices for strengthening good governance, an Audit Committee was formed by the Board of Directors on 12 August 2002 comprising four non-executive directors to assist the Board in discharging its oversight responsibilities on financial reporting, internal control and compliance and auditing process. The composition of the Audit Committee was as follows:

Mr. Md. Ashadul Islam	Convener
Mr. Mahbub Ahmed	Member
Mr. A. K. M Aftab ul Islam, FCA	Member
Mr. Md. Nazrul Huda	Member

During FY21, 08 (eight) meetings of the Audit Committee were held.

13.05 According to the internal audit department charter approved by the Audit Committee of the Board of Directors of BB, Internal Audit Department (IAD) identified 58 (fifty-eight) auditable units (departments/ offices/units/ cells) in FY21 and prepared the audit plan accordingly. The audit was conducted two/four times for 23 auditable units identified as high risk and once in a year for the rest 35 auditable units identified as medium/low risk. Due to the COVID-19 pandemic, around 63 percent of the planned audit programme was implemented.

13.06 The implementation status of Annual Audit Plan was placed before the Audit Committee of the Board. The audit reports were placed before the Governor and the Audit Committee of the Board. Eight meetings of Audit Committee were held during FY21.The

guidance/ directives/ recommendations received from the Governor and the Audit Committee were conveyed to the relevant auditable units for improving the internal control system. Progress reports on implementation of the guidance/ directives/ recommendations were discussed in the meeting of Audit Committee.

## **Executive Management Team (EMT)**

13.07 The executive management team (EMT) consists of Governor, 4 Deputy Governors and all Executive Directors. This team reviews the implementation status of overall activities of BB. During FY21, no meeting of the EMT was held due mainly to adverse situation of COVID-19.

# Initiatives for Human Resources Management

# **New Appointment in Different Posts**

13.08 A total of 353 officials/ staffs have been appointed in different posts during FY21. New appointments during FY21 are as follows:

Assistant Programmer	25
Assistant Maintenance Engineer	21
Assistant Director (Research)	27
Assistant Director (Statistics)	51
Assistant Director (Engineering-Electrical)	07
Assistant Director (Ex Cadre-Library)	06
Medical Officer	11
Officer	189
Officer (Ex Cadre-Publications)	04
Pharmacist	12
Total	353

# **Creation/ Abolition of Posts**

13.09 In FY21, 203 new posts of officials and 01 post of staffs were created. Considering the importance of job, 132 posts of officials and 87 posts of staffs were upgraded. The posts from which these were upgraded, were abolished in this process. At the end of FY21, the total number of sanctioned post stood at 9,686 which was 9,473 in FY20.

# Sanctioned and Working Strength of Officials and Staff

13.10 The sanctioned and working strength of BB as on 30 June 2021 were as follows:

746	206	540		
ry 1,514	1,117	397		
1,388	887	501		
Officer and				
6,038	4,197	1,841		
Assistant Director				
Sanctioned	Strength	vacant		
	6,038 1,388 y 1,514	Strength         Strength           or         6,038         4,197           1,388         887           ry         1,514         1,117		

During FY21, working strength of officials (officer and above) increased by 1.46 percent to 5,084 from 5,011 and that of staffs (B, C and D Category) decreased by 4.13 percent to 1,323 from 1,380. At the end of the period, the ratio of officials to staff remains nearly 3.8:1. About 33.85 percent of the sanctioned posts remained vacant on 30 June 2021.

## **Promotion**

13.11 During FY21, 680 officials and 100 staffs were promoted to their next higher grades. In FY21, 13.42 percent of the officials and 7.56 percent of the staffs working in the bank were awarded promotion.

# Number of Officials on Deputation/ Lien

13.12 At the end of FY21, 95 officials of BB were working on deputation at different institutions within the country and in abroad. As on 30 June 2021, 8 officials were on lien among

which 4 were working within the country and 4 in abroad.

# Reorganisation/ Newly Established Unit/ Division

13.13 During FY21, a unit named "Regulatory Fintech Facilitation Office" has been established under the Payment Systems Department. A unit named "Islamic Securities Section" has been established under the Debt Management Department (DMD). A "Legal Affairs Cell" has been constituted under the Department of Financial Institutions and Markets (DFIM).

# Award and Recognition

13.14 In FY21, awards were handed over to the winners of "Bangladesh Bank Employees' Recognition Award 2018" through a formal award giving ceremony in presence of high officials of BB. A total of 10 officials were selected for the "Bangladesh Bank Employees' Recognition Award 2018" for their outstanding performances. Among them, 2 officials were awarded individually with commemorative gold coins issued on the occasion of 'Birth Centenary' of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman, while 8 other officials (2 officials individually and 6 officials from 3 different teams) were awarded with commemorative silver coins issued on the said occasion.

13.15 Besides, a total of 10 officials received "Integrity Award 2018-19". Among them, 7 officials from 7 different offices of the Bank were awarded in the category of Executive Director to Officer, while 3 other employees from 3 different offices of the Bank were awarded from B, C and D category staff. Similarly, a total of 11 officials received "Integrity Award 2019-20". Among them, 6 officials from 6 different offices of the Bank were awarded in the category of Executive Director to Officer, while 5 other employees from 5 different offices of the Bank were awarded from B, C and D category staff.

# Retirement, Voluntary Retirement, Resignation, Death, Compulsory Retirement, Removal, Suspension and Dismissal

13.16 The number of officials/ staffs of the Bank retired/ resigned/ died/ compulsorily retired/ removed/ suspended or dismissed during FY21 were as follows:

Retirement	175
Voluntary Retirement	01
Resignation	54
Death	18
Compulsory Retirement	00
Removal	01
Suspension	05
Dismissal from Service	05
Total	259

# Welfare Activities and Approval of Scholarship

13.17 During FY21, an amount of BDT 2.84 million has been provided to the children of the officials and staffs as scholarship and BDT 0.02 million has been given as medical assistance from the Karmachary/Karmakarta Kallan Tahbil, established under the auspicious of the Governor. Beside these, during FY21, an amount of BDT 115.34 million has been alloted to BB schools, mosques, clubs, day care and freedom fighters welfare to carry out their recreation and welfare activities.

# **Foreign Training and Study**

13.18 During FY21, no official of the Bank physically participated in foreign training courses/ seminars/ workshops. However, a number of officials virtually participated in foreign trainings/seminars/workshops. A total of 22 officials were allowed deputation/ leave for higher study in abroad.

# **Domestic Training and Study**

13.19 During FY21, a total of 304 officials of the Bank participated in different local training courses/ seminars/ workshops organised by different institutions (other than BBTA) within the country. Moreover, 02 officials were allowed to participate in higher study within the country.

# Training Courses, Workshops and Seminars Conducted by Bangladesh Bank Training Academy (BBTA) during FY21

13.20 Bangladesh Bank Training Academy (BBTA) conducts a wide range of activities to attain objectives of transforming itself a world-class center of excellence for imparting quality training to the officials of BB and for the officials of commercial banks, financial institutions, Government and non-government organisations. To add values to knowledge management process, apart from training; different types of seminars, workshops are also arranged by BBTA. In view of enhancing the capacity of the faculty members and updating them with the changing knowledge frontiers in various fields relating to Economics, Finance and Banking; BBTA also arranges various programmes for the trainers with the help of trained personnel of advanced and specialised institutions at home and abroad. Keeping these in mind, BBTA conducted a total of 73 training courses, workshops and seminars in FY21 of which 38 were held at the BBTA premises and 35 were held at other offices of BB. Due to worsening of COVID-19 pandemic situation, total numbers of training courses were declined to 73 in FY21 from 90 in FY20. A total of 1,955 participants took part in the above mentioned courses. The courses conducted by the BBTA during FY21 are shown in the following table 13.01.

# Table13.01DifferentTrainingCourses,WorkshopsandSeminarsOrganised by BangladeshBankTraining Academy during FY21

SI. r		Number of	Number of
		courses	participants
1	2	3	4
Α.	Foundation Courses	4	192
1)	Foundation Training Course (AD) –39th Batch	1	65
2)	Foundation Training Course (AD) –40 $^{\mbox{th}}$ Batch	1	42
3)	Foundation Training Course (AD-Specialized) $5^{\mbox{\tiny th}}$ Batch	1	40
4)	1st Foundation Training Course (Cash Officer)	) 1	45
в.	Other Training Courses	65	1786
i)	For the Officials of Bangladesh Bank	28	543
1)	Basic Financial Management	1	17
2)	Core Risk Management	2	29
3)	Digital Financial Services (DFS)	2	40
4)	English Language Proficiency Course	2	33
5)	Etiquette and Personal Grooming	1	26
6)	Financial Inclusion and Sustainable Finance	1	15
7)	Financing in Agricultural and Rural Developme	ent 1	20
8)	ISO 27001	1	25
9)	Innovation in Public Services	1	20
10)	International Trade Financing	1	22
11)	Monetary Policy Formulation Process in Bangladesh Bank	1	24
12)	Network and Hardware Security Awareness	1	19
13)	Payment and Settlement System in Banglades	sh 1	25
14)	Procurement Management	1	21
15)	Public Debt management and Government Securities Market in Bangladesh	1	21
16)	Safety, Security and Disaster Management	1	22
17)	Strategic Planning, Management and Leadership Development Course	1	27
18)	SME Financing: Policies and Strategies and Women Entrepreneurship Development	1	17
19)	Techniques of Inspection of Banks and Report writing	1	17
20)	Understanding and Analysis of Financial Statement of Bank	2	40
21)	Work in Progress in ERP-MM Module	4	63

ii)	For the Officials of Commercial Banks	35	1044
1)	Capital Adequacy for Banks under BASEL III	1	20
2)	CIB Business Rules and Collateral Database	6	173
3)	Credit Risk Management	2	58
4)	Detection, Disposal of Forged and Mutilated Notes	2	112
5)	Foreign Direct Investment (FDI) and External Debt Reporting	3	83
6)	Foreign Exchange Transaction Reporting	2	60
7)	Foreign Investment and Financing	6	177
8)	Guidelines on ICT Security for Banks and NBFIs	1	25
9)	International Trade Finance	4	112
10)	Money and Banking Data Reporting	4	123
11)	Procurement Management	1	26
12)	Trade Based Money Laundering	1	27
13)	Training Programme on SDGs	1	23
14)	ToT on CIB Business Rules and Collateral Management	1	25
C.	Workshops/Seminars/Lecture Sessions	2	199
1)	Government Savings Instrument Management System (GSIMS)	5	155
2)	Syndicate Financing, Group Lending and Bridge Financing 1		21
Gra	Grand Total (A+B+C) 73 1955		
Source: Bangladesh Bank Training Academy			

#### Financial Sector Support Project (FSSP)

13.21 The financial sector support project (FSSP) is being implemented with the assistance of International Development Association (IDA) to improve financial market infrastructure, regulatory and oversight capacity of BB and access to long term financing for manufacturing sector in Bangladesh for ensuring stability and greater resilience of the financial sector. The project commenced on 01 July 2015 and ended on 31 March 2021. The total approved project cost was USD 350.00 million of which IDA provided USD 300.00 million and BB provided USD 50.00 million. Total amount of fund received from IDA was USD 275.81 million, out of which USD 262.17 million has been disbursed up to June 2021. On the other hand, USD 41.93

million has been disbursed from BB end upto June 2021.

13.22 The project was implemented through three major components over the project term. The components were (a) Developing key financial market infrastructure through benchmarking with international best practices, (b) Strengthening the capacity of the regulator to comply with international standards and accords on banking sector supervision and regulation and (c) Serving as a catalyst for developing a financial market in long-term finance market segment. Specific objectives of these components are as follows:

### **Strengthening Financial Market Infrastructure**

13.23 This component aims to improve financial information technology (IT)infrastructure of the country further, specially focusing on: (a) development of payment and settlement system to ensure a large scale shift to electronic payments in Bangladesh, specially of the government payments, (b) expanding and modernising Credit Information Bureau (CIB) by including credit information of the microfinance sector and increasing reliability of credit reporting system, and (c) strengthening the IT governance and IT management of BB to lay a robust and secured financial platform for advanced financial market. Necessary capacity building and knowledge transfer initiatives has also been taken to make the officials of the central bank and its associated organisations to embrace the new technologies and align their regular functions with the technology based new processes. Three consultants have been recruited and nine IT packages have been procured under this component. Already one data center and one near data center have been established and made operative at present. Construction of one disaster recovery

center (DRS) is completed at BB Rajshahi Office and will be operative soon. A specialist on IT governance and risk management was hired under FSSP and the specialist put recommendation on IT governance of BB. A credit information monitoring specialist was hired under FSSP for the development of CIB at Microcredit Regulatory Authority (MRA). The specialist reviewed the micro finance sector's ability to participate in a credit information sharing scheme and designed the requirements of the microfinance institute (MFI) sector for a CIB. Finally, the specialist prepared and submitted an action plan for establishing credit information database for MRA. MRA-CIB is now at piloting stage. BB hired an international consultant firm for preparing information system strategy paper (ISSP) for the state owned commercial banks (SOCBs), state owned insurance companies (SOICs), development financial institutions (DFIs), Insurance Development Regulatory Authority (IDRA) and Bangladesh Insurance Academy (BIA). Accordingly, the consultant firm submitted ISSP and recommendation on business process re-engineering for NCBs, specialised banks, Shadharan Bima Corporation (SBC), Jibon Bima Corporation (JBC), Insurance Development and Regulatory Authority (IDRA), and Bangladesh Insurance Academy (BIA). Financial Institutions Division of MoF is now implementing insurance related project based report.

# Strengthening Regulatory and Supervisory Capacity

13.24 The project has provided technical assistance towards the development and adoption of the comprehensive risk-based integrated approach to banking regulation and supervision, which included related documentation and training. Currently, rules

based approach is in place to regulate and supervise the banking system. However, the risk based approach evolves the supervisory process toward one that is more anticipatory. This component will help BB to migrate to a risk-based approach to supervision to discharge its responsibilities to ensure a safe and sound banking system. A Bank Supervision Specialist firm was appointed in June 2019 to help BB in pursuing and achieving financial sector stability and ensuring a safe and sound banking system. The firm has completed its tenure on December 2020 and has given several recommendations to introduce an effective risk-based supervision (RBS) in line with BASEL committee on banking supervision (BCBS) recommendations. With these recommendations, BB can conduct a thorough review of supervisory effectiveness based on micro and macro financial risks faced by banks. BB is now prepared to comply with 11 (eleven) BASEL core principles (BCP). Once the recommendations of the study have been complied, the regulatory and supervisory capacity of BB will ascend to advanced level housing effective governance in risk management and control processes and strengthen the transparency and disclosure. Meantime, the firm has conducted several workshops/trainings on risk-based supervision (RBS) to train the BB officials.

# **Supporting Long Term Finance**

13.25 "Long Term Financing Facility (LTFF)" for the manufacturing sector has been opened under the third component of the project in order to address the inadequacy of long term foreign currency denominated fund in the country. Under the arrangement, BB provides long term financing facility in foreign currency mainly for small and medium scale

manufacturing enterprises in the country. The aim of the long term financing facility (LTFF) is to reduce the gap and mismatch between short term deposit and long term financing which is acutely prevalent in the banking sector of Bangladesh. With this end in view, FSSP is working to provide long term financing facility in foreign currency for a window of three (3) to ten (10) years. The financing facility helped exporters, new entrepreneurs, small and medium scale enterprises and other private sector firms (expected to be mainly manufacturing units) in the country. This contributed to firms' enhanced competitiveness flourished and emerging business opportunities. These enterprises also played a crucial role in job creation and economic growth. In addition, the facility and related safeguards requirements contributed towards the improvement in compliance with health and safety standards in Bangladesh. A total of USD 275.26 million has been disbursed to 56 firms till June 2021. Besides, an environmental regulations compliance specialist (national) and an advisor for long term project financing have completed their tenure.

# **Capacity Building**

13.26 One of the objectives of the FSSP was to train up the officials of BB for embracing new technologies and align their regular functions with the technology-based processes. With this end in view, FSSP included a 'Knowledge Development Fund' under which 5,469 BB officials were trained both in home and abroad on different topics and areas. A total of 521 BB officials were trained on risk-based supervision (RBS) by the Center for Banking Studies (Sri Lanka), the Toronto Centre (Canada), Bangladesh Institute of Bank Management (BIBM), the AFC Germany, etc. Some other mentionable programmes were - Professional Masters in Banking and Finance (PMBF) in Asian Institute of Technology (AIT), Thailand; Master of Economics in the University of Dhaka; Master of Development Studies (MDS) in the University of Dhaka; foreign exposure training under foundation training programme at National Institute of Bank Management (NIBM), India; training on SAP modules in India; project management and procurement management in ITC-ILO, Italy; Project Management from the Bangladesh Academy for Rural Development (BARD), Bangladesh, etc. It is mentionable that, FSSP trained up 3,519 BB officials on 'IT Security and Awareness' which was, by far, the single-largest training programme under the FSSP.

13.27 The FSSP envisioned improving financial market infrastructure, regulatory and oversight capacity of BB and access to long term financing for firms in Bangladesh with a view to ensuring stability and greater resilience of the financial sector.

13.28 FSSP concluded on 31 March 2021. Innovation and modernization is a never-ending process. But, BB, through FSSP, has laid an even stronger foundation for a strong financial market infrastructure, robust regulatory regime, proficient human capital, priority areas for financial sector development.

# **Strategic Planning**

13.29 Bangladesh Bank formulated the very first 'Strategic Plan 2010-2014' in 2010 to ensure more effective function of central bank reinforcing a dynamic, resilient and digital financial system based on the vision , mission statement and core values of central banking. The concept of formulating five-year plan for

BB was first introduced in 'Strategic Planning and Management Strengthening Workshop' held on 13-14 November 2009. Transforming BB into a modern, dynamic and efficient central bank by achieving the ability and skill to adapt with the changing international environment was the prime objective of formulating strategic plan. To act as the 'Process Owner' for implementing strategic plan and coordinating between departments/offices, а strategic planning unit was decided to be formed in Governor-in-Council meeting held on 05 October 2010. Accordingly, the Strategic Planning Unit was established on 10 October 2010 in BB which later on transformed into Financial Sector Support and Strategic Planning Department (FSSSPD).

13.30 After the successful implementation of the 1st Strategic Plan, the '2nd Strategic Plan 2015-2019' was inaugurated on 19 September 2015 with the title 'Heading towards New Horizon'. Updates of the implementation of this plan had been presented in the strategic planning workshops annually arranged by the FSSSPD.

13.31 The third Strategic Plan 2020-2024' was formally announced on 06-08 February 2020 in the 12th Strategic Planning Workshop with the title 'Fostering Stable Financial System'. To formulate this Strategic Plan, the strategies and outcomes of the last 02 (two) plans of 10 years were re-visited, refined and assessed. This strategic plan has been developed through the active participation from different departments of BB. Strategic plan 2020-2024 consists of 11 strategic goals which are designed to be reached through a total of 59 objectives that would essentially be attained systematically by implementation of 204 action plans. Implementation of these action plans will

be assessed by 253 numbers of key performance indicators as per the specific timeline through the 46 departments and all the offices of BB. A strategic communication team, led by an official of Deputy General Manager rank, has been formed in all the related departments and offices to ensure successful and timely implementation of this strategic plan. These teams work as per the terms of reference (ToR) prepared for them. Progress reports are collected on guarterly basis from all the related departments and offices to foster and monitor the implementation of the strategic plan. For the effective monitoring, a strategic follow-up meeting is also arranged in each quarter which is presided over by Executive Director in-charge of the FSSSPD.

13.32 During FY21, the Information Systems Development and Support Department (ISDSD) performed its regular software development and data processing activities through existing application software as well as performed various IT systems procurement and implementation activities. The following information systems and its related tasks were completed during this period:

13.33 In FY21, the ISDSD implemented several ICT strategies as per the defined ICT strategy of 2017-2021 for BB.

# **IT Security and Awareness Building**

13.34 To build a secured ICT infrastructure as a part of remediation plan, several security devices and technologies have been deployed in BB in the IT system. Besides, training on IT security awareness continued in association with other departments to enhance IT security awareness among the BB officials.

# **Information Systems Development**

13.35 Various information systems

development and related tasks completed during FY21 are shown in the following table 13.02.

#### Table 13.02 Statement on Information Systems and Related Tasks during FY21

SI no.	Name of the software/ information systems		Brief description (Function)	
1	2			3
	oftware	Α.	Vulnerability	Assessment

Quality Checklist: A draft on Assurance Vulnerability Assessment Checklist has been prepared which is now under process of finalisation.

- B. Procedure for SQAT: A draft on Software Quality Assurance and Testing Procedure has been prepared which is under process of finalisation.
- 2. Enterprise Development of ESF system has Support Fund been completed based on (ESF) business requirements which is under process of implementation.
- 3. Enterprise Data Warehouse (EDW)
  New data components have been added as per new requirements of different departments and accordingly some new mappings, reports and dashboards have been designed. Data collection from Offshore Banking Unit (OBU) and Other Financial Corporations (OFCs) is a big challenge on which the ISDSD is now working.

Integrated Supervision System (ISS) coverage has been expanded as per requirement of ISMD. Now it covers banks and financial institutions.

- 4. BB Medical System
- Recently an online system has been developed for applying to

enjoy the beyond ceiling medicine facilities in BB's Medical Centre. At the same time, a web-based centralised medical system for BB is under process to develop.

- 5. BB Certifying Bangladesh Bank is implementing certifying authority Authority(CA) (CA) to introduce digital signature in all financial systems including commercial banks. System implementation is already completed and is now waiting for go-LIVE operation.
- 6. Electronic Platform of Sanchaybond and Electronic Dealing System

A. Electronic Platform for Sanchaybond: Online purchasing and encashment of Sanchaybond from own desk for Non Resident Bangladeshis (NRB) has been introduced through this system. Banks and NBFI are using this system.

- B. Electronic Dealing System: Call money market for banks has been made online through this system. Banks and NBFI are using this system.
- 7. CBS Portal A. Online Sanchaypatra Tax Certificate System: Using this software tax certificates of Sanchaypatra are being sent the customer's email to automatically from BB since FY20. It may be mentioned here that, this automatic tax certificates generation are being done for the Sanchaypatra those were sold by BB on or before 13 March 2019.
  - B. Internet Banking System: Using this system schedule banks can verify/check their current account balance maintained in BB on regular

basis. Through this system schedule banks can request/ instruct real time gross settlement (RTGS) system balance transfer to the system.

8. Treasury This system has been developed Management to automate and operation System (TMS) treasury management which is now ready for implementation.

 9. Development of Core
 Banking
 Solution (CBS)
 There are 12 modules and 35 sub-modules in this system. Among them 19 sub-modules have already been developed and ready for testing/piloting. The rest other are under the process of development.

Source: Information Systems Development and Support Department, Bangladesh Bank.