

Report On  
**“Green Banking Activities of Listed Private  
Commercial Bank in Bangladesh”**

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## **LETTER OF ACKNOWLEDGEMENT**

First of all, I would like to thank my Almighty Allah who really help me in every problem during the report. I would like to express my sincere and humble gratitude to Almighty who's Blessings, help and guidance has been a real source of all my achievements in my life.

I would also want to express my gratitude from the core of my heart to my Mentor Mohammad Tariq Hasan, Assistant Professor School of Business & Economics of United International University, who helped me in organizing my complete project. My honorable Mentor helped me from time to time on different issues regarding the Project.

I'm also grateful all the people who helped me regarding the collection of statistical information.

Finally I want to pay my gratitude to my Mentor again for giving me the greatest opportunity to work on such a project that will be very helpful in the future.

## LETTER OF TRANSMITTAL

Date

Mohammad Tariq Hasan

Assistant Professor,

School of Business & Economics,

United International University (UIU)

Subject: Submission of Project Report on “**Green Banking Activities of Listed Private Commercial Bank in Bangladesh**”.

Dear Sir,

It is my great pleasure to submit the Internship Report titled “Green Baking Activities of Listed Private Commercial Bank in Bangladesh” which has been prepared as an integrated part of my course requirement in BBA program. I have covered all the necessary elements that should be included in this report. I have collected information on the basis of secondary source of 29 listed private commercial banks.

I sincerely hope that you will enjoy this report as I enjoyed while writing. If you need any further clarification or information in interpreting this analysis, I will be glad to answer your questions.

Sincerely Yours

---

Farhad Hossain

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## ABSTRACT

Change is the want of hour for survival in all spheres. Climate is a standout amongst the most muddled issue at this moment the world is confronting. The world has seen much spotlight on financial advance, the reactions of this, has brought about environmental change, ecological harm. The banks can play a vital function between economic increment and environmental safety. The banking of this kind is termed as “green Banking”. It implies joining innovation and changing customer propensities in saving banking business. Green banking practice session may be useful not simplest for the environment but additionally, lead to cost reductions in banking natural process. To diminish the outer carbon emissions, bank should fund green innovation and contamination lessening ventures. Green banking is a function of green activity taken by stakeholder to save environment. For this, green banking activities are initiated by banks. They are financing environment friendly projects and promoting green banking services to their customers. To attain sustainable green economy, they are helping Bangladesh. The main purpose this study is to find out to what extent people are knowledgeable about green banking and how Private Commercial Banks operates their green banking activities. Also, this study will find out the most beneficial products of green banking. From the secondary data analysis, it is found that people showed positive attitude towards green banking although they do not have a clear view of green banking. It is also found that, ATM booths, Renewable Energy Plant and ETP Project are the most beneficial product of green banking services and green financing accordingly. It can be concluded that in Bangladesh banks should conduct green banking activities more. This will create sustainable growth for them in the long run. This will result in sustainable green economy in our country. If all parties of the world including banks act responsibly, we can make this world a better place to live for our next generation. In the present paper green banking and sustainability has been discussed in detail. The paper also highlights on the stages, initiatives, benefits and future of green banking in Bangladeshi context. The paper also discusses about the various organizations and laws and guidelines for environmental conservation and sustainability and Green Banking.

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## List of Abbreviations

Brief Form	Extent Form
BB	Bangladesh Bank
GB	Green Banking
CSR	Corporate Social Responsibility
TEP	Typical End Use Product
UNEP	United Nations Environment Programme
ETP	Effluent Treatment Plant
HHK	Hybrid Hoffman Kiln
CEO	Chief executive officer
CRM	Climate Change Risk
ERM	Environmental Risk Management
EDD	Environmental Due Diligence
GHG	Green House Gas
GRI	Global Reporting Initiatives
CIB	Credit Information Bureau
SME	Small and Medium Enterprise
BACH	Bangladesh Automated Clearing House
ERP	Enterprise Resources Planning
EDW	Enterprise Data Warehouse
BDBL	Bangladesh Development Bank Limited
NPSB	National Payment Switch Bangladesh
BACPS	Bangladesh Automated Cheque Processing System
LAN	Local Area Network
WAN	Wide Area Network
BEFTN	Bangladesh Electronic Fund Transfer Network
NPS	National Payment Switch
BPRD	Banking Regulation & Policy Department
GBC	Green Banking Committee
GBU	Green Banking Unit
EnvRR	Environmental Risk Rating
ATM	Automated teller machine
UNFCCC	United Nations Framework Convention on Climate Change
USCBC	United States Green Building Council
IBBL	Islami Bank Bangladesh Limited
TBL	Trust Bank Limited
SJILBL	Shahjalal Islami Bank Limited
IFIC	The International Finance Investment and Commerce Bank Limited
EXIM Bank	Export Import Bank of Bangladesh
UCB	United Commercial Bank
SIBL	Social Islami Bank Limited
MTB	Mutual Trust Bank
AB Bank	Arab Bangladesh Bank
EBL	Eastern Bank Limited
NCC	National Credit and Commerce
LEED	Leadership in Energy and Environmental Design

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# CHAPTER ONE: INTRODUCTION

## 1.1 Introductory part of the Report:

The banking region is the fundamental financial agent which impacts the monetary boom and development in terms of each first-class and quantity, there via converting the nature of financial growth. Banking area is one of the major sources of financing investment for commercial initiatives which is one of the maximum essential monetary activities for the economic expansion. Thusly, banking area can assume a pivotal part in selling environmentally sustainable and socially responsible funding. Banking region is commonly taken into consideration as environmentally friendly in phrases of emissions and pollutions. Inner environmental effect of the banking area which includes the use of energy, paper, and water is pretty low and clean. Environmental impact of banks isn't always physically associated with their banking activities but with the client's activities. Consequently, environmental effect of the banks outside activity is big though tough to appraise. Furthermore, environmental control in the banking business is like risk control. It will increase the corporation price and lowers loss ratio as higher advance portfolio leads to higher income. Therefore, encouraging environmentally responsible investments and prudent lending must be one of the obligations of the banking area. Those ventures which have just turned out to be green and those, which are making genuine endeavors to develop green, ought to be agreed need to loaning by the banks. This technique of finance may be known as "Green Banking", an attempt by way of the banks to make the ventures develop green and inside the manner restore the natural environment. This idea of "Green Banking" will be together useful to the banks, industries and the financial system. Not solely "green Banking" will make certain the greening of the industries but it will also facilitate in enhancing the asset excellent of the banks in future. Banking and different monetary institutions are more powerful in the direction of attaining this intention for the sort of intermediary position they play in any financial system and for his or her capability attain to the number of traders. The environment is not the different concern of the authorities and the direct polluters, but additionally the alternative companions and stakeholders within the business. It'd definitely provide a lot of required impetus for the banking system to expand the utilization of environmental data in their credit extension and investment choices. On this background, the paper aims to speak about the problems of sustainability in banking and how private commercial banks can play a function for sustainable increase and development, specifically inside the Bangladesh context.

## 1.2 Origin of the Report:

As a requirement of the completion of the Bachelor of Business Administration degree Major in Accounting under the Faculty of Business School at United International University, I was assigned to do my project on the topic "Green Baking Activities of Listed Private Commercial Bank in Bangladesh". The objective of my project was to understand the different aspects of Green Banking activities of private commercial banks in Bangladesh and what prospects can be implemented to make next level banking in Bangladesh. This record is a proper documentation of this internship program.

### **1.3 Background of the Study:**

Banking system makes an important part for a nation's economy. It is unavoidable in the modern world. It plays a crucial part in the financial growth of any country and it creates the formation of the main part of the money market in a developed country. Due to deregulation, technological innovation, globalization and environment in recent days the banking sector all over the world is facing a lot of changes. Bangladesh banking area is falling a long ways behind in embracing these progressions. However, they are attempting to modify their exercises with the required require and embracing themselves as world class bank.

Recently a new challenge for the banks is arising to finance for the environment friendly industry and reducing waste and do something for the society. But this task is not easy. Because banks have to make profit. So they need to make profit so that the priority of society is given importance. And GREEN BANKING is the solution.

In the world many developed countries are triggering their effort on green banking. And in order to cope with the developed world Bangladesh has recently started to encourage the green banking system in the country. At the initial level of starting of this banking system in Bangladesh, I have got an opportunity to prepare my project paper regarding this subject. The subject is - Green Banking Activities of Listed Private Commercial Bank in Bangladesh.

### **1.4 Rationale of the Study:**

To enforce green banking in Bangladesh, scheduled banks need to observe the coverage guiding principle issued by the Bangladesh Bank. Particular due date to be taken after specified in the approach rules for viable usage of green banking. Green banking considers all of the social and environmental elements in conjunction with economic priorities with an intention to shield the surroundings, in addition, to foster the economic development in a greater environment-friendly way. It's for an opportunity to make a positive contribution to environmental and social issues by way of growing regulations designed so that the business operations do not degrade the environment or isn't dangerous to society. It covers a large number of areas from a bank being ecologically agreeable to how their cash is contributed. Bangladesh is at an inclined level in terms of weather change. In accordance with worldwide advancement and reaction to the natural debasement, the monetary sector in Bangladesh should play an essential role as one of the key stakeholders. The banking zone in Bangladesh took steps in this regard mainly inside the discipline of green financing but the activities gained new momentum after the issuance of coverage pointers for green banking. As a result, the study investigates the existing fame of green banking activities of listed private commercial banks in Bangladesh.

## **CHAPTER TWO: OBJECTIVE OF THE STUDY**

### **2.1 Broad Objective:**

The core objective of this study is to determine the practice of green banking in Bangladesh by the private commercial banks. The aim of this study is to evaluate the green banking tasks by private commercial banks and their practice in the banking industry, whole over the world in order to illustrate the lessons for the banking sector of Bangladesh. That is why, the core objective will be the evaluation of the opportunity, performance, and exercise and after all the implementation of that betterment of the society.

### **2.2 Precise Objectives:**

The precise objective of this research are as follows:

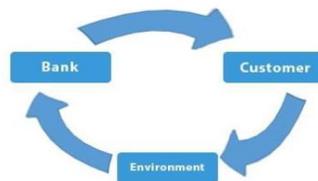
- To evaluate the endeavors to start green banking in Bangladesh by different relevant parties.
- To find out current prospective of private commercial banking sector to initiate new system of banking.
- Environmental pollution, carbon Emission, and the responsibilities of Bangladesh banking sector.
- The Enforcement of applicable regulations and policies for green banking sector in this country.
- Keep the world livable for a long period of time.
- To minimize paper work as much as possible inside and outside of the banks.

## CHAPTER THREE: LITERATURE REVIEW

Now a days, green banking is a common term all over the world. It is reducing the environmental hazard and making our planet suitable for living. Global temperature is increasing day by day. And that is why global warming is happening. And this global warming is mainly responsible for climate change of this planet. This rapid change of climate is making some problems. Such as ecological imbalance. It has also impact on forestry, biodiversity, dry land, agriculture, human fitness and water environment. All things considered, issue of an unnatural weather change requires a worldwide reaction. Because of unusual climate sample, rising greenhouse fuel, declining air pleasant and many others. As a result the society wants that commercial enterprise also should take efficient responsibility for protecting this planet.

In 2011, Thombre quoted that ecological effect of the bank's outer movement is colossal however hard to evaluate. Consequently, promising ecologically mindful speculations and watchful loaning ought to be one of the duties of banking areas. The bank ought to make strides toward environmental friendliness and assume a star dynamic part to take natural and biological perspectives as a major aspect of their loaning guideline, which would compel ventures to go for ordered speculation for ecological administration, utilization of suitable advances and administration frameworks (Haider 2012). In 2012 Mr. Verma contended that the Indian banking system should not only focus on making profit. Moreover they should focus on making profit after ensuring the wellbeing of the human and the environment. Green Banking includes seeking of money related and business strategies that are not unsafe to the atmosphere and facilitate to guard environment. The motivations behind Green Banking are to utilize assets with obligation maintaining a strategic distance from waste and offers need to make the society and the surrounding livable.

The governor of Bangladesh bank contended that all is needed to change the attitude for ecological matters in regarding improvement of future by making monetary transactions green (Star 2010). To spare our earth it is an ideal opportunity to step up with regards to green banking. The banks should give needs in giving credit to the areas that energize ecological practices (Rashid 2010). Green Banking isn't restricted inside branches green exercises, however, reaches out to encouraging green speculation/financing with the goal that a gigantic commitment to asset productive and low carbon ventures, i.e. green industry and green economy, all in all, can be made. For quick change among buyers and organizations, an aggregate undertaking of government, media, NGOs are going to be needed. The subsequent green banking wheel suggests how the entire banking framework works as a series.



**Figure 3. 1**

***Green Banking Wheel***

# OVERVIEW OF GREEN BANKING

## 3.1 Definition of Green Banking (GB)

We can define green bank as a monetary administration to help the exercises that are not injurious to surroundings and that can help make the environment green. That will also support the environment by reducing toxic gases and the overall wastage of the environment. It also helps bank to carrying out eco sustainability to their administration. A green bank is such a bank that works for the betterment of the society by practicing ethical issues. That is why it is also called an ethical bank. It also performs their responsibility to the society and in this sense it is called a socially responsible bank. For making the future good, these banks works differently and engage themselves in various socially helpful activities. So we can say that the main objective of this banking system are to utilize its assets with obligation maintain a strategic distance from waste and offers need to surrounding and society.

Many of us confuse the difference between the term of CSR and the GB. There is a subtle distinction between these two. In case of the term CSR bank do not expect unequivocally from the client. On the other hand in terms of GB, Banks are straightforwardly forced their profit.

## 3.2 Evolution of Green Banking

Banking development in spite of the fact that the underlying foundations of the ecological development can be followed as far back as 1975, quite a bit of present-day history did not mirror a scrupulous worry for our natural assets and feasible administration of such till past due. Simply think how our advance has prompted the death of our environment. The industrial revolutions, pollutants, automobiles, smog, are pesticides the listing should go on and on. In the twentieth century, ecological concern developed into ubiquity and acknowledgment, and all through the 1970s. The 80s, 90s, and past, public recognition and the encouragement to “go green” has encountered exponential development in banking advancement.

As more individuals and organizations are perceiving the significance of saving our condition and embracing green practices in saving money development, it is protected to state the development isn't a prevailing fashion, however, has flourished and is digging in for the long haul. As late as 20 to 25 years prior, settling on naturally cordial decisions was to a greater degree a decision ascribed to the "tree hugger" types instead of a vital and a mean to "save the planet" by "going green" in banking advancement we should consider the effect we have made prompting its obliteration. Not just the people venturing up to the plate to roll out improvements, so are organizations over the worldwide Banks.

In the closing decade, people throughout the globe have reduced down on waste and promoted earth-friendly services and products. Within the money sector, one rising trend may be a move to push green banking practices. As per banking advancement overview from methodology and research, **“If every household went paperless, it could reduce solid waste in landfills by**

**more than 8,00,000 tons a year, help curb the release of greenhouse gases by 2.1 million tons a year and save an estimated 18.5 million trees each year.”** In 50 years, one tree reuses more than Tk.2, 37, 000 worth of water, gives Tk.2, 57,000 worth of Oxygen. An investigation demonstrates that one family yearly paper explanations from the banks strip square feet of timberland every year to think about the cost.

### **3.3 Green Banking Financial Services/Products Presented By Banks**

The products of green banking are designed in the way such that a selected group can be targeted. It is also designed exclusively and rival in nature. This kind of products are generally commercial. This commercial products have features of personal goods. This product do not have any negative impact on the environment. The green product that plays role in making suitable impact on the surroundings have positive outcomes. Emission of carbon gases, using renewable energy like solar energy and saving powers, Bricks investment etc. are using new technology.

For the most part, an area of the general public straightforwardly and all in all the whole society in a roundabout way is the recipient of the outer advantages that are provided by financial institutes. For this reason, bank charges extra fees in their products.

### **3.4 Mission of Green Banking**

Mission is to do the right thing for:

- The Environment
- Our People
- Our Shareholders
- Our Community

### **3.5 Potential & Limits of Green Banking For Global Green**

➤ Capacity Transformation

- a) Increase number of banks that joint with international best practices (UNEP, UNFCCC)
- b) Integration environmental aspect in bank's risk management
- c) Support from government and international

➤ Limitation

- a) Maximum of the green sectors are toddler industries
- b) Liquidity issue (short term funds versus long term investment)
- c) Regulation (cross border)
- d) Limited information & Understanding

**3.6 The difference between Conventional banking and green banking:**



Figure 3. 2

*Difference between Conventional banking and green banking*

# **GREEN BANKING INITIATIVES & POLICY GUIDELINES BY BANGLADESH BANK**

## **3.7 Bangladesh Bank's Earlier Initiatives**

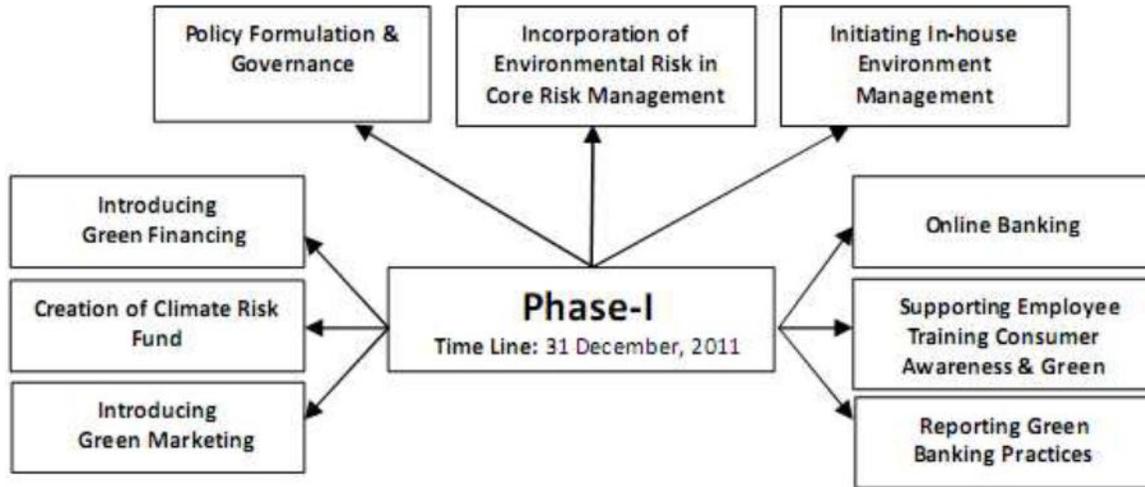
Bangladesh bank is concerned about the environmental degradation of the country and has already provided directions about the betterment of the environment to the scheduled banks. Commercial banks are now compelled to protect the environment and therefore they are offering new financial projects or providing working capitals that will not harm the environment. These banks are given direction to facilitate their customers with optimum care while opening L/C for the establishment of affluent treatment plant in the productive units of industry. These banks are also given direction to finance in renewable energy such as solar energy, wind energy, Bio-gas, Hybrid Hoffman kiln and ETP in the brick making fields beneath renegotiating policy of Bangladesh bank. A complete guideline is also given to the banks to perform the corporate social responsibility where banks are told to give concentration on CSR. Banks are advised to perform e-commerce, online banking, covering money transfer, utility bill etc. so that papers consumption can be reduced. BB also advised the banks to provide loans for the farmers on the coastal area to cultivate crops that are salinity resistant. Drought, flood prone and salty areas are not suitable for all kind of crops. So Bangladesh bank has given direction to the banks to provide loan to the farmers so that they can cultivate suitable crops in those particular areas.

## **3.8 Green Banking Policy adoption:**

It is the appropriate time for adopting a complete green banking policy in line with global structure as to provide protection to the surroundings and to ensure permanent banking practices. With a view to creating green banking practices in the nation, a demonstrative Green Banking Policy and Strategy system have been produced for the banks in an accompanying way:

Green Banking Policy must be coated through time-frame work which can be quarantined into three phases.

### 3.9 PHASE-I



**Figure 3. 3**

#### *First Phase of green banking implementation*

Banks are to expand GB guidelines and display standard commitment on environment via in-house excellence. The time frame for this movements to be taken on phase-I should no longer exceed 31/12/2011.

#### 3.9.1 Policy Formulation and Governance

Bank might define and embrace expensive natural or Green Banking Arrangement and system affirmed by their Board of Directors. Banking system, arrangements and programs should be operated by regional chief of global office, CEO of foreign bank and an executive member from the powerful committee.

Banks are needed to open a separate department or cell that is monitor the overall green banking process. A senior officer is needed to be appointed by the bank who will answer the higher authorities from time to time.

#### 3.9.2 Incorporation of Environment Risk in CRM

Bank should keep in their mind about the environmental risk while providing guideline on environmental risk management. It's a vital part of green banking policy. Bank should also initiate climate change risk and environmental risk as a part of their credit risk and the regarding methodology. All of these will help fight against cyclone, drought, avian influenza sediment and hazardous events.

### **3.9.3 Initiating In-house Environment Management**

Utilization of paper, water, power and so on should be set up by the banks to initiate In-House Environment Management. Green office guide should be provided with general instruction to the workers so that they can be productive in utilization of water, power etc. Bank should apply ecofriendly text instead of general printed text. Energy saving bulbs and solar panel should be installed in every branch.

### **3.9.4 Introducing Green Finance**

Bank should prefer the industries which are ecofriendly in terms of providing finance. Environmental infrastructure which include bio gas, bio fuel, and fresh water supply should be endorsed and given finance through the bank. Client's evaluation should be done by the preference of the environmental activity.

### **3.9.5 Creation of Climate Risk Fund**

Bank should not apply additional charge of the interest. They should provide financial assistance to the flood or drought affected areas at a normal rate of interest. Banks should check their environmental risks for financing the areas in one-of-a-kind regions for creating a climate alternate risk fund. This will be used in case of emergency. The bank could make sure ordinary financing flows in those vulnerable regions and sectors. The fund could be created as part of banks' CSR costs.

### **3.9.6 Introducing Green Marketing**

The term Green marketing is termed as the advertising and marketing of merchandise which might be presumed to be environmentally secure. Green advertising carries a large variety of activities, which include product change, modifications to the production process, packaging adjustments, as well as modifying advertising. It refers to the manner of selling products and/or services primarily based on their environmental advantages. Products or services should be environmentally pleasant or produced / packaged in an eco-friendly way.

Environmental causes should be introduced by the bank when they perform advertisement of their service to the customer. Green marketing is related to raising awareness or consciousness among general public in the society.

### 3.9.7 Online Banking

Online banking is performing the general banking via computer and the internet. A wide network is created among the all computers of the organization so that data can be updated instantly in the full system.

Online banking can help the bank to reduce paper wastage, decrease printing fees, can reduce ink consumption, save fuel and energy and finally decreasing postal costs.

### 3.9.8 Supporting Employee Training, Consumer Awareness and Green Event

Employees should be trained enough so that they can perform the green banking activities perfectly. They should make awareness among their employees, consumers or customers through their social event.

### 3.9.9 Disclosure and Reporting of Green Banking Activities

Banks shall document on the projects/practices to BB and reveal of their respective web sites.

### 3.10 PHASE-II

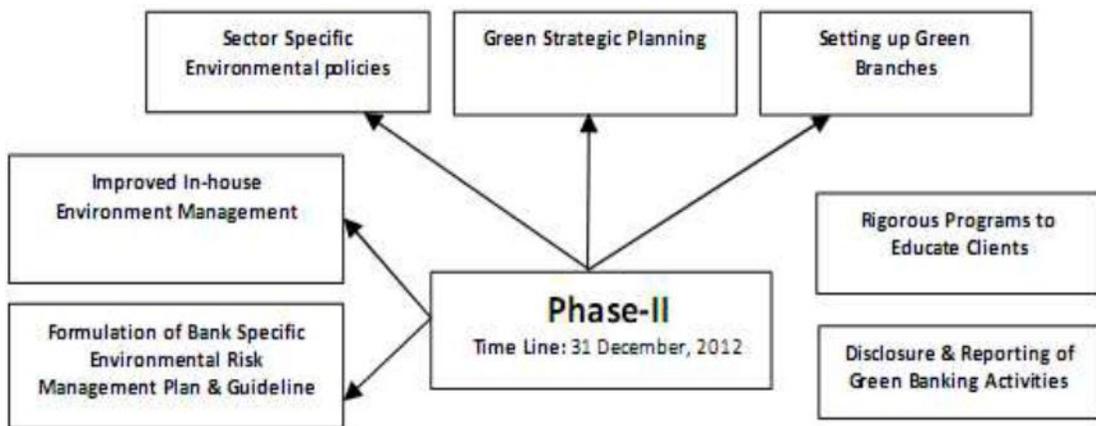


Figure 3. 4

*Second Phase of green banking implementation.*

The main time framing for the overall actions to be taken under the Phase-II oughtn't to exceed 31 December, 2012.

### **3.10.1 Green Strategic Planning**

A bank must decide green goals to be attained thru strategic making plans. Banks must determine an arrangement of manageable goals and systems, and screen those of their every year results of report and websites for green loans. For in-house environment administration, the objective territories must cover reaching power effectiveness because the utilization of sustainable power source, lessening of energy, gasoline, and oil utilization, the lower of greenhouse gas outflows, issuance of e-proclamations, electronic invoice pay, sparing papers, surroundings cordial workplace systems and so forth. For green Financing, the goal territories should cover lessening advances for sure ecologically unfavorable physical activities, achieving a selected degree of natural credits as a level of the combination, imparting eco-accommodating economic objects and so on.

### **3.10.2 Sector Specific Environment Policies**

Environmental sensitive sectors such as plastic industry, brick manufacturing, renewable energy, housing and construction etc. should give emphasis while making special policies.

### **3.10.3 Green Branches Setup**

A green branch setup includes usage of renewable energy, using natural lights, using power saving bulbs and other equipment which will decrease water and power usage. Such branches should be financed and monitored by green department. A green bank branch will have a special logo which will distinguish it from other branches.

### **3.10.4 Improved In-house Environment management**

Approach of reuse, recycling of materials and equipment's and source reduction and waste minimization method should be a part of in-house environmental management in Segment –II. Banks need to increasingly depend on virtual assembly thru using video conferencing in lieu of physical journey which could assist saving price and energy.

### **3.10.5 Formulation of Bank Specific Environment Risk management plan and Guideline**

A financial institution have to increase and comply with an environmental risk management guide or suggestions of their assessment and tracking of task and working capital loans. Further to the compliance of country wide regulation the bank may additionally set the world over prevalent higher environmental standards. On this connection, green initiatives with the aid of a collection of banks will now not best be effective but will even provide aggressive gain. Financial institution alliances may additionally put together well known and suggestions for themselves for enhancing green Banking practices.

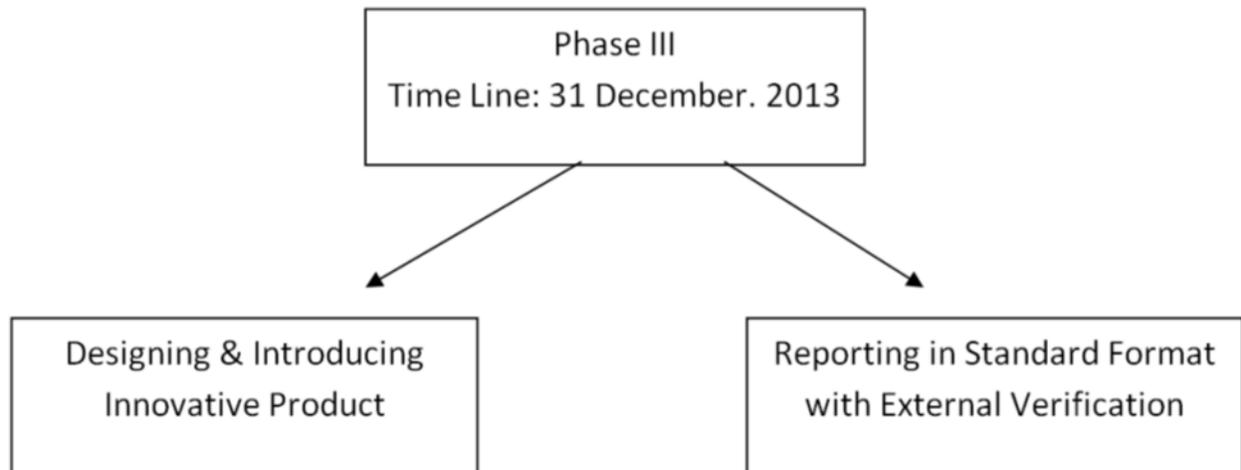
### **3.10.6 Rigorous programs to educate clients**

Bank should arrange special programs for the clients to educate them about green policies and green activities. These programs can make the customers conscious about the green policies too.

### **3.10.7 Disclosure and Reporting of Green Banking Activities**

Banks should begin publishing unbiased green Banking and Sustainability reports showing past performances, modern-day activities, and destiny projects. Up to date and specific records about banks environmental activities and performances of most important customers should be disclosed.

### 3.11 PHASE-III



**Figure 3. 5**

#### *Third Phase of green banking implementation.*

Environmental Management arrangement need to be set up in a bank after commence of the practice of Phase Three. Banks are anticipated to deal with the complete eco-framework via surroundings-pleasant tasks and presenting creative items. Standard ecological detailing with outer check ought to be a piece of the stage.

The time framing for the moves to be made under Phase-III ought not to surpass 31 December, 2013.

#### **3.11.1 Designing and Introducing Innovative Products**

Alongside heading off negative influences on the environment thru banking activities, banks are anticipated to introduce environment-pleasant progressive green merchandise to cope with the center environmental demanding situations of the nation.

#### **3.11.2 Reporting in Standard Format with External verification**

Banks should provide green annual report that will follow global reporting initiative which give information to its partner.

### **3.11.3 Reporting Green Banking Practice on Quarterly Basis**

Bank must report their practice under the program to the Bangladesh bank off site departmental supervisor. And their report should be submitted quarterly an account of 30 June 2011 premise inside 15 July 2011.

Banks might keep their yearly report and sites refreshed with the divulgements on green saving money activities/exercises. The consistent banks honing Green Banking will have the accompanying particular remedies:

- a) Bangladesh Bank will grant focuses on banks on Management segment while processing CAMELS rating where there will eventually be a positive effect on the general rating of a bank.
- b) Bangladesh Bank will announce the names of the Top Ten Banks for their general execution in green banking exercises in the BB sites.
- c) Bangladesh Bank will effectively consider green banking exercises/practices of a bank while concurring authorization for opening new bank office.

### **3.11.4 Being Ethical and Environment Friendly**

Ethical Banks: A green bank must be a morally ethical bank. It should be persuaded as a reasonable and social bank that is concerned about the betterment of the society. Moral bank works for the bigger development of the society. They work as a whole national development bank rather than individual betterment.

Green bank submit their commitment as the following ways:

- The expansive target of green managing an account is to utilize assets with duty and offering need to condition and society. It isn't simply one more corporate social responsibility (CSR) movement fairly hard and fast push to keep this world reasonable absent much harm.
- To cultivate green keeping money rehearses in the nation, BB defined the 'Green Banking Policy and Strategy system' and 'Ecological Risk Management Guidelines' in a consultative way. Numerous banks are currently financing ecological amicable ventures.
- Bangladesh Bank has presented a renegotiate plot worth BDT two billion (USD 25 million) to renegotiate credits to effluent treatment plants (ETPs), sun-powered boards, biogas plants and HHK innovation in block making industry at a 5% loan cost given by banks and Non-Bank Financial Institutions.

- Up until now, BB renegotiated for BDT 132.4 million (USD 1.7 million) in Biogas, BDT 60 million (USD 0.75 million) in Solar Home System and BDT 18.8 million (USD 0.24 million) in sun oriented driven water system pump, BDT 248.8 million (USD 3.11 million) in Solar PV module collecting Plant an aggregate of BDT 506.9 million (USD 6.34 million).
- Bangladesh Bank has hooked up a 20-kilowatt sun panel at the rooftop of its very own constructing.
- Bangladesh Bank has begun Automated Clearing House, Online CIB, e-Banking, internet business, Mobile Banking, e-Tendering, e-Recruitment, e-Noting and so forth with a specific end goal to diminish pointless wastage of papers.
- Special treatments for naturally consistent banks have been pulled over. BB will grant focuses to banks on the criteria of 'administration' while processing CAMELS rating where there will, at last, be a positive effect on the general rating of a bank.
- BB will effectively consider green managing an account exercises/practices of a bank while concurring consent for opening new bank offices. SME/Agriculture bank offices to be set up/opened after 20 June 2011 will be required to be eco-accommodating guaranteeing that a sun-oriented board is introduced at the branch.
- Bangladesh Bank will proclaim the names of the main ten banks for their general execution in green banking exercises on the BB site.

Renegotiate Scheme: BB is giving to the loaning banks renegotiate at five percent premium for each annum, from taka two billion renegotiate window open against financing for rotating eco-accommodating or green activities like establishment of biogas-based, sun-powered and other sustainable power source age units, effluent treatment plants, reception of new vitality productive yield procedures et cetera.

### **3.11.5 In-House activities by Bangladesh Bank**

Bangladesh Bank is focusing on its in-house green exercises through the best use of assets (energy, fuel, water, paper and so forth.).

- With a flow closer to empowering green keeping money in Bangladesh, Bangladesh Bank introduced 8-kilowatt sun based influence framework on its housetop in March 2010. This is presently being stretched out to 20 kilowatts to cover more territories.
- LED bulbs are being set up to carry extensive power performance.
- National Payment is in live task since 2012. Southeast, Pubali, and BDBL are presently associated with NPSB and doing the live exchange.
- The general keeping money elements of Bangladesh Bank (counting all divisions and branch workplaces identifying with saving money capacities) have been brought under mechanization by executing the Banking Application Package that incorporates Center Banking Module, Treasury control Module, and marketplace Infrastructure module.

- Every one of the bureaus of Bangladesh Bank Head Office and its nine branch workplaces has just been brought under a PC arrange (LAN/WAN), interfacing in excess of 3,800 desktops.
- Earth destructive cremation of non-re-issuable harmed banknotes is being eliminated, turning rather to destroying.
- Online compensation and other essential exhortation, individual document refreshed data, office orders, notice online adjust articulations for all representatives of BB, electronic goes for guests are immediately accessible.
- An ongoing activity has been taken to change over the 30- storied building of Bangladesh financial institution into a green constructing with the modern-day centers of rainwater harvesting, wastewater recycling and movement sensor electricity efficient bulbs supported by window based sun panels.

## **GREEN BANKING PRACTICES IN BANGLADESH**

### **3.12 Green Banking Practices in Bangladesh Bank**

Considering the unfavorable effects of environmental change and dynamic activity round the world, Bangladesh financial institution, the national bank of Bangladesh, has validated a profound responsibility closer to the vision of the green world via green activities. In this way, Bangladesh Bank itself gives off an impression of being a case for the budgetary segment by playing out some green banking exercises for its head office and branch office administration. These exercises surely pass on a solid message to the money related organizations about the reality of Bangladesh Bank in its green development.

Bangladesh Bank's green exercises are amassed in term of in-house and other than in-house exercises. The word 'in-house action' alludes to local or exercises constrained to the workplace building identified with arranging extension, office mechanization and every day green activity and so forth. Under the systems administration program, every one of the divisions of Bangladesh Bank head office and its nine branch workplaces has just been brought under a PC organize (LAN/WAN), associating very nearly 3,100 PCs as of March 31, 2012. Banks have been brought under the domain of E-Commerce with a view to giving the clients web-based managing account offices covering installments of service charges, cash exchange, and exchanges in local money through the web.

Furthermore, Bangladesh Bank has led the pack position in empowering and actualizing IT based advancements in the general banking area. The execution of the Bangladesh Automated Check Processing System (BACPS), Bangladesh Electronic Fund Transfer Network (BEFTN), Enterprise Resources Planning (ERP), Credit Information Bureau online offices, and Mobile Banking Service merit saying. Foundation of a National Payment Switch (NPS) is likewise a noteworthy main impetus for the entire installment framework. Likewise, Bangladesh Bank with its system bundle is presently actuated on an online e-tendering framework, which covers declaration of delicate, dispersion of schedules, offering and so forth, to guarantee effortlessness and straightforwardness of the tendering procedure. Online pay and other fundamental counsel, staff document refreshed data, office orders, warning about online adjust proclamations for all individuals or workers of Bangladesh Bank, and an electronic go for guests and numerous all the more such comforts are in an immediately accessible.

### **3.13 Green banking Practices in AB bank:**

On policy guidelines for green banking AB has taken complete GB policy lining with BPRD circular No 02.

Accordingly,

- Function of Green Banking Committee is visible.
- Green Banking Unit (GBU) having the responsibility of evaluating, designing and administering related Green Banking issues of the bank.

### **3.14 Green banking Practices in Al-Arafah Islami Bank:**

Environmental sustainability is a key part of our social obligation efforts, bank has mounted environmental guidelines, goals and practices that assist to manage their activities inside and out. Environmentally-oriented working is incorporated into a range of financial institution operations, lending, services and products and in-house activities. Al-Arafah Islami bank Ltd. being a moral bank and in compliance to Bangladesh bank hints has shaped green Banking department. Some of our activities are shown below:

1. Fund amounting to Tk.6010.00 million has been allocated for Green Finance, Green Marketing, Training, Capacity Building and Climate Risk Fund. A total amount of Tk. 16,190.40 million has been utilized up to December 2014.
2. In 2014, 14 workshops were conducted on Green Banking & Environmental Risk Management. Total 670 Executives and Officers of our Bank participated in the workshop at AIBL Training Institute.
3. Bank has already financed 28 ETP projects amounting Tk.15, 211.50 million as of 31.12.2014.
4. Bank also financed 64 Brick fields using HHK/Zigzag technology amounting Tk. 947.10 million as of 31.12.2014.
5. Bank has already financed 1298 solar panel amounting Tk. 31.80 million as of 31.12.2014.
6. Environmental Risk Rating (EnvRR) is done on the relevant proposal following Environment risk Management Guideline. As on December-2014, 964 projects were rated (Environmental Risk Rating) and total amount of Tk. 56,057.90 million has been disbursed there against.

### **In-house Activities**

Both the edges of papers are getting used, electricity savings bulbs and different electrical gadgets are getting used. So far solar energy machine installed at 25 branches with overall twenty five thousand watt ability.

### **Online Banking**

Online banking centers which includes Debit cards have already been extended to the customers. Credit cards might be released very quickly. We're amassing application payments thru cell phone by way of m-pay system. Environment risk management (ERM) Environmental hazard rating is accomplished on the relevant notion underneath environment risk control principle.

### **3.15 Green banking Practices in Bank Asia:**

Bank Asia firmly promotes green banking to attain its long time strategic goal to be a green, triple backside line bank in which each selection might be excited about both monetary and environmental concerns in mind. The financial institution's green banking tasks consists of on-line & paperless banking, reduction of greenhouse gasoline emission, mapping financial institution's carbon foot print, green electricity use, surroundings pleasant initiatives, plant nursery and horticulture initiatives and so on.

Bangladesh Bank has recognized Bank Asia as one of the top ten private commercial Banks for their contribution to Green Banking activities across the country.

### **3.16 Green banking Practices in Brac Bank:**

BRAC bank limited has released its energy performance loan Product, "Planet solutions". Bangladesh's First power efficiency financing loan will help readymade clothes and textile industries to spend money on strength performance generation. BRAC financial institution confined donated bicycles to 10 college going students in Nilphamari. The surroundings-pleasant mode of delivery may be useful to nature because it does no longer create any pollutants.

They are also promoting activities like:

- Advertising of environmental pleasant tasks
- Adoption of power efficient, carbon footprint reducing inner tactics and practices in personal workplaces and institutions
- Delivering sapling to students as a part of environment consciousness campaign

- Introduction of green climate threat Fund

### 3.17 Green banking Practices in City Bank

City Bank have financed around USD 13 for the low carbon projects. And only last year, 13 projects have given USD 10 million – all focused on energy efficiency, renewable energy, biological ETP and worker’s safety. The Mantra for them is to help create a greener planet for everyone – for now and distant future.

### 3.18 Green banking Practices in Islami Bank Bangladesh Limited

IBBL has taken an action to move IBBL in consistency with undeniable Green banking task. To accomplish the turning point of green keeping money, they have begun the re-building procedure of their framework and method of activity.

#### Areas of Green Banking

**1. General banking:** The Bank utilizes the cutting edge innovation to give different managing an account benefits on the E-trade stage. These items resemble I-Banking, Phone keeping money, Visa Debit Card, Khidma Credit Card, mCash, Call fixate et cetera.

**2. Green investment:** Green Investment suggests venture that recoups the natural corruptions, counteract crumbling of the earth and are not destructive to the earth. Green Investment incorporates both Direct and Indirect Green Investment.

- a) Direct green investment: Direct Green Investment implies speculation to the organizations to obtain/buy/set up Green Products, set up Green Industry and change existing customary ones to condition cordial ones.
- b) Indirect green investment: Indirect Green Investment implies working capital venture to condition inviting plants/industry/items to complete their organizations. The aggregate payment in green interest in 2016 and 2015 was individually Tk. 91,957.77 million and Tk. 78,000.09 million, i.e. 17.89% development in 2016. The accompanying outline shows a short dispensing situation of green ventures of the Bank for the year 2015 and 2016.



**Figure 3. 6**

***Green investment of Islami Bank***

**3. Environmental risk management (ERM):** The Bank in its business choice considers Environmental Risk Management nearby the Investment Risk Management framework and conveys Environmental Risk Rating (EnvRR) of the speculation recommendations inside the accompanying relevant venture limits/edges:

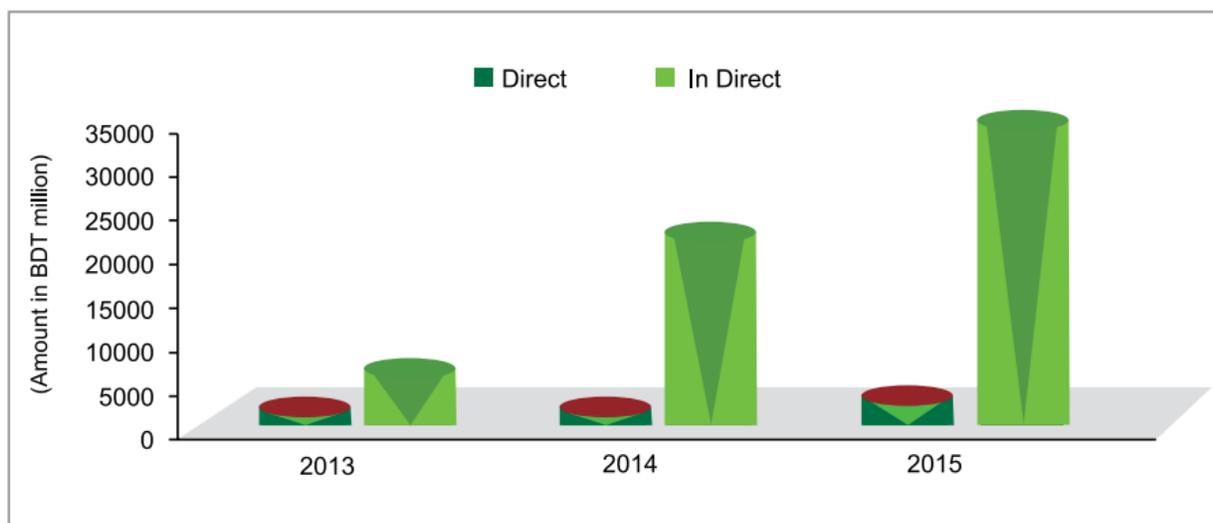
- For Small and Medium Enterprises (SMEs), financing > BDT2. 5million
- BDT 10 million for corporate financing.
- BDT 10 million for real estate financing.

In 2016, 2142 number of speculation ventures were evaluated out of 2624 appropriate speculations

**3.19 Green banking Practices in Trust Bank:**

In cling to Bangladesh bank strategy rules, Trust Bank Has defined Green Banking Policy in the year 2011 with a view to practicing a mindful saving money while taking loaning choices. Trust bank trusts that green development can't be accomplished without green speculation. Moving the venture from petroleum product to environmentally friendly power vitality is the main route for changing financial development ways.

## TBL's Green Finance growth



**Figure 3. 7**

### *Green Finance growth of Trust Bank*

Trust Bank Limited (TBL) has created two imaginative green back items named 'Trust Shufola' and 'Trust Prantik' which straightforwardly or by implication add to the lessening of carbon discharges and furthermore increment monetary incorporation. TBL's real green fund incorporate ETP, Hybrid Hoffman Kiln, Zigzag or equal technology in Brick Field, Renewable energy like as Bio-gas Plant, Solar Home System, Solar Irrigation Pump, Green Industries, Safety and Securities Factories and so forth. They have likewise a portion of the spending plan for "Green Finance" and "Atmosphere Risk Fund" each year.

### **3.20 Green banking Practices in Shahjalal Islami Bank Ltd.**

Shahjalal Islami bank limited commitment towards green banking could be based totally on the subsequent broad regulations:

- Deliver a safe healthful workplace and ensure that personnel are properly trained and have appropriate safety and emergency equipment.

- Participate in efforts to improve environmental protection and understanding and share appropriate pollution prevention technology, knowledge and method.
- Use and engage to use methods that do not adversely affect the environment, including developing and improving products, operations and technologies to minimize waste, prevent air, Water, and other pollution, minimize health and safety risks, and dispose of waste safely and responsibly.
- Ensure that SJIBL make responsible use of energy including conserving energy, improving energy efficiency, and giving preference to renewable over non-renewable energy SJIBL when feasible.

The followings are a few instance of green products: Finance for farmers named as Krishan, Shobujayon, finance for handicraft and jute products named as Kutir, finance for re-cycle industry named as Rupantor, finance for solar-panel named as Shobuj-shokti,finance for industries named as Shobujshilpo, finance for ETP plants named as Shobujporibesh etc.

### **3.21 Green banking Practices in National Bank LTD.**

Green Banking arrangement empowers an earth capable bank to add to the financial framework comprising of creation, dispersion business by cognizant ecologically responsive back, process, limit working to advance contamination-free condition and expectations for everyday comforts. National Bank Limited perceives the significance and propelling diverse activities toward this path through key arranging, tasks, and hazard administration. This Green Banking Policy sets out the central segments of its move over. Green Banking requires a paradigmatic change in contemplating financial matters, business, and back. Its prosperity would be more noteworthy if the world governors began to change their financial standards from being "fiscal financial matters" to "Biological financial aspects" and start to change their bookkeeping standards from absolutely being monetary into natural/operational vitality bookkeeping designs. Future green managing an account may change this path.

GREEN BANKING PRODUCTS - That are supportive by National Bank Limited are: Bio Gas project, ETP financing, Solar panel, Mobile Banking and Mobile payments, online banking etc.

### 3.22 Green banking Practices in IFIC Bank:

IFIC Bank is committed to promote sustainable growth in the economy. We provide several financial supports under Product Program Guideline named “IFIC Green – Earth”.

An amount of BDT 68.00 million was disbursed in 2016 under “IFIC Green – Earth”. IFIC Bank also provides financial support for setting Green Industry according to U.S. Green Building Council (USGBC)/LEED as guided by Bangladesh Bank. In 2016, we have disbursed BDT 710.00 million in this sector.

IFIC Bank is continuously engaged to create awareness among young generation on green issues. On October 19, 2016 we have organized an awareness program named “Green Earth for Next Generation” in Notre Dame College-Dhaka.

### 3.23 Top ten Green banks in Bangladesh:

The following banks have been recognized as the top 10 green banks in terms of their activities:

**Table 3. 1**

***Top Ten Banks in the Year, 2012***

AB Bank Limited	IFIC Bank Limited
Bank Asia Limited	Islami Bank Bangladesh Limited
Brac Bank Limited	Rupali Bank Limited
Eastern Bank Limited	Social Islami Bank Limited
EXIM Bank Limited	Standard Chartered Bank Limited

By evaluating the overall activities of the above mentioned banks Bangladesh bank has declared them as green banks in consideration with the rules provided by the BB. From the mentioned banks Standard Chartered Bank is a foreign commercial bank, Rupali bank is a state-owned commercial bank, and the rest banks are domestic commercial bank owned by private sector. These private owned commercial bank included two Islamic Shariah bank named as SIBL and IBBL.

### 3.24 Banks Green Banking Slogans

- ✓ Save trees, save paper.
- ✓ Conserve energy, conserve natural resources.
- ✓ Pay your bills Online.
- ✓ Use Car pools to go work
- ✓ Turn off the tap when not needed.
- ✓ Always use a cloth bag.
- ✓ Digitize yourself.
- ✓ Think before you press the button.
- ✓ Everything has two sides.
- ✓ Reduce, reuse and recycle.
- ✓ Unplug electronic devices while not in use.
- ✓ Be Paperless- Kick the habit.
- ✓ Act Green, to remain in Green.

## **CHAPTER FOUR: METHODOLOGY OF THE STUDY**

### **4.1 Source of Data Collection**

Information used in this report has been collected from secondary sources mainly. Majority of the information were collected from the secondary sources, which includes: Books, Articles, Reading materials, Publications, Various circulars, and Annual Reports published by Banks.

### **4.2 Data Analysis:**

This is a descriptive report mainly aiming to depict the Green Banking Practices and monitoring techniques of Private commercial banks in Bangladesh. The data gathered from secondary sources were arranged orderly to get a clear picture of the Private Commercial Banks Green Banking practices. The study is qualitative analysis of Green Banking practices of Private Commercial Banks and monitoring tools. The collected data are analyzed in the perspective of progress and adequacy of green banking activities of listed private commercial banks in Bangladesh compared to the global endeavors. Microsoft office package especially MS-Word have been used mostly for summarizing and illustrating the collected data systematically.

### 4.3 Disclosure of green banking activities:

**Table 4. 1**

*Disclosure in green banking activities*

SL NO	Name of The Banks	Theoretical Disclosure	Preparation of Independent GB & sustainability report	Reporting Year
1	AB Bank		✓	2016
2	Al-Arafah Islami Bank	✓		2016
3	Bank Asia		✓	2016
4	Brac Bank		✓	2016
5	CITY Bank		✓	2016
6	Dhaka Bank		✓	2016
7	Dutch Bangla Bank		✓	2016
8	EBL	✓		2016
9	EXIM Bank	✓		2016
10	First Security Bank	✓		2016
11	ICB Islami Bank	✓		2016
12	IFIC Bank		✓	2016
13	Islami Bank		✓	2016
14	Jamuna Bank	✓		2016
15	Mercantile Bank Ltd.	✓		2016
16	MTB		✓	2016
17	National Bank			
18	NCC		✓	2016
19	One Bank			
20	Premier Bank	✓		2016
21	Prime Bank		✓	2016
22	Pubali Bank	✓		2016
23	Shahjalal Islami Bank	✓		2016
24	SIBL		✓	2016
25	Southeast Bank		✓	2016
26	Standard Bank		✓	2016
27	Trust Bank	✓		2016
28	UCB		✓	2016
29	Uttara Bank		✓	2016

## CHAPTER FIVE: FINDINGS AND ANALYSIS OF THE STUDY

Green banking is increasing popularity. Most of the samples show a positive attitude towards it. For the sustainable development green banking is essential, ATM booths and cards are the most beneficial products of green banking services. Renewable Energy Plant is the most beneficial product of green financing.

- ✓ Implementations of various present tips of green Banking by way of banks are nonetheless in large part voluntary in nature. In the nature of bank management practices in Bangladesh GB practices get less priority as they are not considered as mandatory.
- ✓ A large portion of the banks have propelled their own ecological dangers evaluation structure and no reasonable bearing is given with respect to measurement and expansion of natural risk in CRM.
- ✓ Green Banking propels the managing an account that diminishes utilization of paper which makes brand picture. It additionally makes mindfulness among the shareholders about the earth and in addition condition agreeable business hones. However, not very many of our banks have possessed the capacity to fabricate such green banking picture.

This study is qualitative in nature and do no longer use any quantitative device to investigate the statistics. It is carried out on the premise of the previous literatures and secondary records. There are numerous research papers, articles, operating paper and unique books were used for this observe. In addition to the above, the data has been collected through study several relevant standards, articles, national and international study materials and other printed materials.

## CHAPTER SIX: RECOMMENDATIONS AND CONCLUSION

### 6.1 Recommendations

- ✓ Banks ought to guarantee fund in ventures those are surroundings pleasant or moral in nature. Funding must be extended for tasks putting in solar electricity plant, bio-fuel, bio-fertilizer plants, Effluent Treatment Plant (ETP), Hybrid Hoffman Kiln projects.
- ✓ Banks ought to put resources into an undertaking subsequent to evaluating its ecological or climate hazard. Investment ought to handiest take delivery of after being assessed the environmental dangers of particular challenge. Banks ought to introduce new environment pleasant merchandise which include green home loan, green car loan and others on this regard.
- ✓ Deposits of customers are the primary resources of capital for the banks. To gather cash from the customers, banks give diverse store administrations. The greater part of the deposit product ought to be made environment amicable and ought to be brought under on-line administration.
- ✓ Uses of papers support straightening of plants and lead the earth to pulverization. Thinking about the ecological hazard, banks ought to limit the utilization of papers generally presents the utilization of eco-accommodating papers. They should stop pointless printing and utilize both sides of papers and eco-fonts while printing.
- ✓ Banks should begin E-enlistment framework and give pay and reward the representative through the online framework. Additionally, banks ought to train their workers as atmosphere specialists and social worker in conjunction with creating them, expert bankers.
- ✓ Banks can assume immediate or aberrant parts in battling catastrophic events. After such different circumstance banks can give money related backings, helps and premium free credits and so on to help the sufferers to make to continue to exist in the more modern environment.
- ✓ Banks ought to mastermind a few workshop and symposiums to make their customers cognizant viewing Green Banking and in addition to present their Green Products and administrations in that. This can, in the end, make the customers adjusted to the Green Banking exercises.

## 6.2 Conclusion

Bangladesh is one of the maximum climate change susceptible nations in the world. As banks not directly make contributions to environmental pollutants via making an investment in one-of-a-kind pollutant industries, we need to step towards all the wrongdoing. Bangladesh Bank which has the lawful power to shape the conduct of the banks, it should drive every one of the banks to execute green saving money arrangement to check its own particular ecological contamination, offering advances to earth well-disposed ventures and decreasing interest in naturally unsafe activities. The government needs to additionally inspire the overall humans about the green banking practices. The central bank have to moreover screen commercial banks whether or not they are working towards green banking or now not. Accordingly, green banking can play an enormous function in enforcing the wider concept of sustainable economic development.

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