

Annual Report-2022



North-West Power Generation Company Ltd.

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified

(An Enterprise of Bangladesh Power Development Board)

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CHAIRMAN'S MESSAGE



At the outset of my speech, I would like to pay my humble tributes to the Father of Nation, Bangabandhu Sheikh Mujibur Rahman and all heroic freedom fighters of our independence. It gives me immense pleasure in welcoming all of our valued shareholders, suppliers, financiers and other stakeholders to the 15th Annual General Meeting of North-West Power Generation Company Limited (NWPGL). It is also an honour for me to share the performance highlights and achievements of the company during the financial year 2021-22 and its future outlook. The Annual Report for the year ended 30th June, 2022 along with the Directors' Report and the Audited Financial Statements of the Company have already been disseminated.

Since the Hon'ble Prime Minister Her Excellency Sheikh Hasina took the office about 14 years ago, the nation has made remarkable progress in power sector. The Government has taken short-term, mid-term and long-term plans for improving the power system. As a

result, power generation, transmission and distribution have obtained momentum and achieved unprecedented success. According to the Power System Master Plan (PSMP)-2016, we have to generate 40,000 MW by 2030 and 60,000 MW by 2041. Through this journey we need diversification of fuel sources – especially coal, renewable energy, LNG, nuclear etc. In this context, the consultant has been appointed for the preparation of integrated Power and Energy Master Plan. Under this plan, the existing PSMP-16 is going to be thoroughly reviewed and safe, highly efficient, sophisticated and clean technologies will be given the top priority for inception of any power project in order to meet the acute challenges for fulfilling the future national demand of electricity.

Global economy has entered a new terrain of uncertainty because of conflict between Russia and Ukraine. The crisis has happened at a time when the world had just started to recover from the dismal state caused by more than two years of the Covid-19 pandemic. But the recovery is facing inflationary pressure due to supply shortages of raw materials in the face of higher demands, as the country like Bangladesh begin to expand economic activities. The ongoing unfavourable situation has created a new shock for the world. Supply disruptions and financial sanctions pose serious economic challenges. With no signs of reconciliation between Russia and Ukraine, the local and global economic implications will be much more severe in the coming days. In this perspective, Bangladesh's power sector has increasingly relied on imports of fossil fuels, including Liquefied Natural Gas (LNG) which is a very volatile commodity that has become expensive for our country. To curb this kind of interim predicament situation, recently, the government has launched austerity measures including scheduled load-shedding, controls on air-conditioning use and reduced working hours to ease pressure on fuel imports.

Currently, North-West Power Generation Company Limited and its three Joint Venture Companies have 09 (nine) power plants generate 3063 MW in total with an ambitious target of 9500 MW by 2030. The on-going projects are advancing to fulfil the goal of the Government as a whole and the activities of the power plants are in operation effectively reflecting the efficiency, dedication and professionalism of the employees of the company.

I express my gratefulness and thanks to all the contributors including the Directors of the Board of the Company for their precious contributions in successful functioning of the Company. I am confident that the Board has the right mix of diverse skills, experience, and backgrounds to serve as a strategic asset for our company, and is well-positioned to continue to guide us in the years to come. I also firmly believed that the driving forces behind the long-term success for our company are the fundamental values of integrity, transparency and accountability.

Before I conclude, on behalf of the Board of Directors I wish to convey my sincere regards and deep gratitude to the valued stakeholders for continued support and trust. I wish every success for the 15th AGM of NWPGCL.

Md. Habibur Rahman
Chairman, Board of Directors, NWPGCL
&
Secretary, Power Division, MoPEMR

FROM THE DESK OF CHIEF EXECUTIVE OFFICER



It is a pleasure for me that North-West Power Generation Company Ltd (NWPGL) is going to celebrate its 15th Annual General Meeting in the FY 2021-22 and publish the Annual Report as well. It is being accomplished in such a time when the whole world is faced with an economic crisis mainly due to the scarcity of fuel. Just when the world was recovering from the scars of the global pandemic the Russia-Ukraine war broke out culminating into a world-wide fuel crisis. Bangladesh is also affected by this global predicament. The Power Sector of Bangladesh has been one of the several booming sectors of the country for the past decade, but a shortfall of power generation was imminent due to this unforeseeable cataclysm in fuel supply. The situation exacerbated when Bangladeshi currency devalued resulting from a record high trade deficit. Faced with so many complexities, the Power Sector is trying heart and soul to provide our people with continuous power supply at an affordable rate. Hopefully, this crisis will be overcome soon and we will be able to ensure uninterrupted power supply throughout the country.

It is evident from our past record that NWPGL has established a benchmark of excellence and success in the Power Sector of Bangladesh. Starting from the scratch, NWPGL has installed 9 (nine) power plants through its own and joint venture endeavours. The combined power generation capacity of the Company is now 3063 MW. Covering a diverse energy source, NWPGL now owns gas, oil and coal fired as well solar PV power plants. I am delighted to remind you that the country's first Ultra Super Critical Coal-fired Power Plant

namely, Payra 1320 MW Thermal Power Plant (Phase I), implemented under the joint venture of NWPGL and CMC, China, has been inaugurated by Hon'ble Prime Minister on 21st March 2022. By taking a number of new power generation projects, NWPGL now envisions to add more power to the national grid for meeting up the increasing demand of electricity. To ensure a sustainable future, NWPGL is focussing on clean energy sources such as LNG, Variable Renewable Energy such as, solar, wind, etc. We are also exploring unique, unorthodox and modern power generation technologies, such as, Hydrogen co-firing, small modular reactor, floating solar, offshore wind, etc. Not only in adopting future projects, NWPGL is diligent to ensure sustainability in power generation by implementing energy conservation measures in its operating power plants as well. In line with target of the Government of Bangladesh to reduce primary energy consumption per GDP by 20% within 2030, NWPGL is implementing Energy Efficiency & Conservation activities. In FY 2021-22, NWPGL has initiated conducting energy audit of its power plants for ensuring efficient performance of power plant equipment on annual basis. Consequently, this is expected to reduce auxiliary consumption adding more power export to the national grid. If other power plants as well as industries attempt to attenuate their energy consumption likewise, this will ease the ongoing ailing condition resulting from the international primary energy crisis.

In accordance with Bangabandhu Sheikh Mujibur Rahman's vision on ensuring energy security and the United Nation's Sustainable Development Goal-7 for ensuring access to affordable, reliable, sustainable and modern energy for all, the Government has adopted several policies promoting cleaner energy. The Hon'ble Prime Minister Sheikh Hasina expressed her desire at the COP-26 Leaders Summit that 40 percent of Bangladesh's energy will come from clean energy sources by 2041. We strongly believe that NWPGL will play a leading role in realizing this commitment of the Hon'ble Prime Minister. We have formed a joint venture with CMC, China solely for the purpose of executing renewable energy-based power plants with a target of installing 500 MW. In the outgoing financial year, we have signed the EPC contracts of 2 (two) solar power plants at Sirajganj and Pabna and few more renewable projects are under different stages of development.

The formation of joint venture companies has also gone a long way in ensuring a multi-dimensional funding portfolio for the Company. With a vision to be a fast-growing, sustainable, and creative enterprise with strong brand image, North-West Power Generation Company Ltd (NWPGL) has uplifted the standard of corporate success as a power generation company in Bangladesh.

The success of NWPGL can be attributed to its talented and hard-working group of officers and employees, whose hard work and sincerity uplifted the fame and name of this Company. Such a workforce is an asset not only to the Company but to the Country as well.

I would like to express my intense, heartfelt and unique appreciation to the Hon'ble Prime Minister, Sheikh Hasina for her spontaneous role in shaping the power sector. I also want to express my gratitude to the Hon'ble Advisor to the Prime Minister for Power, Energy & Mineral Resources, Dr. Tawfiq-e-Elahi Chowdhury, BB; Hon'ble State Minister for Power, Energy & Mineral Resources, Mr. Nasrul Hamid, MP; Principal Secretary to the Hon'ble Prime Minister, Dr. Ahmad Kaikus and Secretary of the Power Division, Ministry of Power, Energy & Mineral Resources, Mr. Md. Habibur Rahman, for their continuous close supervision, support, and guidance. I also want to express my profound and genuine appreciation to the Chairman, Bangladesh Power Development Board, to the Directors of NWPGL Board, to my colleagues and to all levels of employees for their unwavering support, co-operation, dedication and commitment to make the Company technically and financially sustainable.

I am confident that NWPGL will stand upright with efficiency, integrity and dignity. Finally, I wish you all everything of the best.

Engr. A. M. Khurshedul Alam
Chief Executive Officer, NWPGL

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CORPORATE ETHOS

Corporate Vision

- Becoming an emerging power generation utility with a strong brand and reliability.

Corporate Mission

- To be an innovative and technology-driven organization.
- To become an attractive employer where employees can excel in their job.
- To be a company that creates value for its stakeholders.
- To be a company that achieves excellence in service, quality, reliability, safety and customer care.
- To become the recognized leader in innovative and sustainable as well as engineered and customer-focused solutions in power generation.
- To be a “We Company”, not a “Me Company”.

Corporate Ethics

- Our motto is **integrity**.
- Our strength is **transparency**.
- Our style is **accountability**.
- Our goal is **excellence with good governance**.

Strategic Goals

- To set-up new power plants by use of solid, liquid and gaseous fuels;
- To undertake and implement any new power plant project as per national development planning;
- To develop alternative / renewable energy sources (wind, solar, etc.);
- To have base-loaded new power generation on a least cost expansion plan;
- To assist the power sector to make it economically and financially viable and self-reliant to facilitate the total growth of the country;
- To increase the sector's efficiency and make the sector commercially viable;
- To harness public-private partnership to mobilize finance;
- To develop database on the existing system;
- To build long-term human capital and mutual trust;
- To develop new mindset for all of employees congruent with the corporate culture and
- To set-up a new benchmark in standards of corporate culture and good governance through the pursuit of operational and financial excellence denoting responsible citizenship and establishing profitable growth.

Core Objectives

- Business portfolio growth
- Customer focus
- Performance leadership
- Human resource development
- Financial soundness
- Sustainable power development
- Research and development

COMPANY OVERVIEW

With a view to mitigating the growing demand and low-voltage problem of electricity of the North-West region of the country, North-West Power Generation Company Limited was formed and incorporated on 28 August, 2007 under the framework of the Government Power Sector Reforms Policy as well as the provision of the Companies Act 1994. The Company primarily started its functioning with Sirajganj 150 MW Peaking Power Plant Project and Khulna 150 MW Peaking Power Plant Project and then Bheramara 360 MW Combined Cycle Power Plant Development Project.

Within the shortest period after incorporation, North-West Power Generation Company Limited has become one of the leading power generating utility in the country. At present, the Company is generating **3063 MW** power from **09 (Nine)** Power Plants, which are as follows:

- ❖ Sirajganj 225 MW Combined Cycle Power Plant (Unit-1)
- ❖ Sirajganj 225 MW Combined Cycle Power Plant (Unit-2)
- ❖ Sirajganj 225 MW Combined Cycle Power Plant (Unit-3)
- ❖ Sirajganj 414 MW Combined Cycle Power Plant (Unit-4) (Under JVC)
- ❖ Sirajganj 7.6 MWp Grid Connected Solar Photovoltaic Power Plant
- ❖ Khulna 225 MW Combined Cycle Power Plant
- ❖ Bheramara 410 MW Combined Cycle Power Plant
- ❖ Madhumati 100 MW Power Plant
- ❖ Payra 1320 MW Thermal Power Plant (1st Phase) (Under JVC)

For achieving technical and financial synergies including quick project financing and securing foreign direct investment in the country, NWPGCL has taken initiatives to form Joint Venture Company which are as follows:

- Bangladesh-China Power Company (Pvt) Limited (BCPCL) (A Joint Venture of NWPGCL & CMC, China)
- Sembcorp North-West Power Company Limited (SNWPCL) (A Joint Venture of NWPGCL, M/s Sembcorp Utilities Pte Ltd, Singapore & Sembcorp Bangladesh Holding Pte Ltd)
- Bangladesh-China Renewable Energy Company (Pvt.) Limited (BCRECL) (A Joint Venture of NWPGCL & CMC, China)

North-West Power Generation Company Limited has already become competent and capable enough to incept cost-effective power generation projects of any capacity and any type of primary fuel. It has a schematic plan for installing coal-fired power plants, LNG-based power plants, solar and wind based power plants and so on. The Company hopes to generate over 9,500 MW electricity within 2030.

COMPANY PROFILE

Name of the Company	: North-West Power Generation Company Limited ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified (An Enterprise of Bangladesh Power Development Board)
Date of Incorporation and Commencement of Business	: 28 August, 2007
Registered & Corporate Office	: UTC Building (Level-4) 8 Panthapath, Kawran Bazar, Dhaka-1215
Status of the Company	: Public Limited Company
Business Line	: Generation of Electricity
Present Generation Capacity	: 3063 MW
On-going Projects	: 3582 MW
Future Projects	: 2855 MW
Chairman	: Mr. Md. Habibur Rahman Secretary, Power Division, MoPEMR
Chief Executive Officer	: Engr. A. M. Khurshedul Alam
Company Secretary	: Bimal Chandra Roy FCS
Legal Retainer	: M/s. Sheikh & Chowdhury (Barristers & Advocates), Banglar Bani Bhaban (2nd Floor) 81 Motijheel C/A, Dhaka-1000
Auditors	: ACNABIN (Chartered Accountants) BDBL Bhaban (Level-13),12 Kawran Bazar Commercial Area, Dhaka-1215, Bangladesh.
Bankers	: Janata Bank Ltd Rupali Bank Ltd Sonali Bank Ltd Agrani Bank Ltd AB Bank Ltd Standard Chartered Bank Ltd City Bank Ltd Basic Bank Ltd Brac Bank Ltd
E-mail Address	: info@nwpgcl.gov.bd ceo@nwpgcl.gov.bd cs@nwpgcl.gov.bd
Website	: www.nwpgcl.gov.bd

GOVERNANCE

Bangladesh Power Development Board (BPDB) has the 100% shareholding of the Company. Currently the Authorized Share Capital of the Company is Taka 5000,00,00,000.00 (Tk. Five Thousand Crore) divided into 100,00,00,000 (One Hundred Crore) Ordinary Shares of Tk. 10.00 (Taka Ten) each amounting to Tk. 1000,00,00,000.00 (Taka One Thousand Crore) and 400,00,00,000 (Four Hundred Crore) Preference Shares of Tk. 10.00 (Taka Ten) each amounting to Tk. 4000,00,00,000.00 (Taka Four Thousand Crore). The shareholding position in the Company as follows:

Ordinary Shares						
S/L	Shareholders	Folio No.	Number of Shares		Share Capital (BDT)	
			30 June 2021	30 June 2020	30 June 2021	30 June 2020
01	Chairman, Bangladesh Power Development Board (BPDB)	01	45,6216,123	256,216,143	4,562,161,230	2562,161,430
02	Member (Finance), (BPDB)	09	10	10	100	100
03	Member (Generation), (BPDB)	10	10	10	100	100
04	Member (P & D), (BPDB)	11	10	10	100	100
05	Member (Admin), (BPDB)	12	10	10	100	100
06	Member (Company Affairs), (BPDB)	13	10	10	100	100
07	Member (Distribution), (BPDB)	14	10	10	100	100
08	General Manager (Commercial Operation) (BPDB)	15	05	--	50	--
09	Controller (Accounts and Finance), BPDB	16	05	--	50	--
10	Secretary (Board), (BPDB)	17	05	--	50	--
11	Director (Finance), (BPDB)	18	05	--	50	--
			456,216,203	25,6216,203	4,562,162,030	2,562,162,030

Preference Shares						
S/L	Shareholders	Folio No.	Number of Shares		Share Capital (BDT)	
			30 June 2021	30 June 2020	30 June 2021	30 June 2020
01	Secretary, Power Division, Ministry of Power, Energy and Minerals	01	243,32,63,055	--	2433,26,30,550	--

BOARD OF DIRECTORS

The Board of Directors is the highest level of authority in the organization structure of NWPGL. In accordance with the Articles of Association of the Company [Article-78(B)(i)], the strength of the Board shall not be less than 9 (nine) Directors or more than 12 (twelve) Directors. At present the 12 (twelve) members of the Board of Directors are overall responsible for the direction, strategic planning and policy guidelines of the Company. The Board meets periodically to transact matters placed before it that require Board's approval and direction for execution.

Chairman

Mr. Md. Habibur Rahman
Secretary, Power Division, MoPEMR

Directors

Engr. Md. Mahbubur Rahman
Chairman, BPDB

Mr. Md. Mohsin Chowdhury
Director General (Secretary) of Bangladesh Karmachari Kallyan Board (BKKB),
Ministry of Public Administration

Dr. Maglub Al Nur
Professor, BUET

Mr. SK Aktar Hossain
Member (Finance), BPDB

Engr. Md. Abdul Mottalib
Managing Director, CPGCBL

Mr. Md. Osman Gony
PS to Principal Secretary to HPM, Prime Minister's Office

Engr. Ali Mohd. Al-Mamun
Former Director (Operation & Mines), Petrobangla
(February 2021 to September 2022)

Engr. Md. Kamruzzaman Khan
Director (Operation & Mines), Petrobangla
(September 2022 to Present)

Dr. Syed Abdulla Al Mamun
CEO, BDRAL, Dhaka

Mr. Md. Sadrul Islam
Director, RCCI, Rajshahi

Mr. Md. Abu Naser
Director, FBCCI, Dhaka

Engr. A. M. Khurshedul Alam
Chief Executive Officer, NWPGL

DIRECTORS' PROFILE



**Mr. Md. Habibur
Rahman**
Chairman, NWPGCL
&
Secretary
Power Division
MoPEMR, Dhaka.

Mr. Md. Habibur Rahman, Secretary, Power Division, joined as the Chairman of North-West Power Generation Company Ltd. on 18th May 2021. He is the Convener of the Administrative Affairs Committee of the Company. He joined the post of Secretary, Power Division, Ministry of Power, Energy and Mineral Resources on 12 November 2020. Prior to joining this post, he served as Additional Secretary (Budget-1) in the Finance Division of the Ministry of Finance.

Md. Habibur Rahman joined Bangladesh Civil Service (Administration cadre) in 1991. He is a 10th batch officer. He started his bright career by joining the Office of Commissioner, Rajshahi Division as Assistant Commissioner. He was later posted to the Deputy Commissioner's Office in Natore and served as Assistant Commissioner till February 1993. He served in the Office of the Commissioner for Refugees, Relief and Repatriation, Cox's Bazar from March 1993 to February 1994. He was posted at the Deputy Commissioner's Office, Habiganj and served as Assistant Commissioner. He served as Assistant Commissioner (Land), Habiganj Sadar from April 1994 to September 1996. He served as Assistant Director of the Anti-Corruption Bureau from October 1996 to November 1996. He then served as an Assignment Officer in the Prime Minister's Office until September 2001. As Senior Assistant Secretary, he served in the Finance Department from January 2003 to September 2005 and in the Ministry of Education from February 2007 to May 2008.

More than 15 years of working experience in the Finance Division is the most significant chapter of his career. He is one of the foremost executives who has played a pioneering role in transforming the budget formulation from the conventional method to the Medium-Term Budget Framework (MTBF). Prior to his promotion to Additional Secretary (Budget-1), he served as Joint Secretary (Budget-1) and Deputy Secretary (Budget-1) and played a central role in the formulation of the national budget for more than a decade. He has been a Budget Specialist in the Financial Management Reform Program and Deepening DMTBF and Strengthening

Financial Accountability Project of the Finance Division.

He has been imparting training in Public Financial Management related subjects at the Institute of Public Finance and many other training institutes and has played a significant role in forming a Critical Mass of government officials interested in Public Finance. Md. Habibur Rahman holds a Bachelor's and Master's degree in Applied Physics and Electronics from the University of Dhaka. He later earned an M.Sc in Economic Development Research and Policy from the University of Birmingham in the UK. He has also received training in Government Budget Management, Public Financial Management, Professional Development and Performance Management in India, Singapore, UK, USA and New Zealand.

He has participated in many seminars, workshops, educational tours and government trips at home and abroad. In 2016, he was awarded the prestigious Public Administration Medal for his significant contribution to public service. Md. Habibur Rahman's village home is in Bangakhangram of Laxmipur Sadar upazila of Laxmipur district.

In private life, he is married and a proud father of three daughters.



**Engr. Md. Mahbubur
Rahman**

Director, NWPGCL

&

Chairman, BPDB

Engineer Md. Mahbubur Rahman joined NWPGCL as a Director on 1st February 2022. He is the Convener of the Technical and Engineering Committee. He is also a Member of Administrative Affairs Committee and Project Steering Committee of NWPGCL.

Engr. Md. Mahbubur Rahman was born on September 1, 1963 in Shariatpur district. He obtained B.Sc Engineering (Civil) degree from Bangladesh University of Engineering (BUET) in 1986. He received his MSc Engineering (Hydro-Power) degree from the Norwegian University of Engineering and Technology in 1995 on a Norwegian Government scholarship. Later he obtained MBA degree from Bangladesh. Besides, he completed various professional courses from Oxford University in UK, Kochi University in Japan and Melbourne Institute of Technology in Australia.

Mr. Md. Mahbubur Rahman joined the Power Development Board as Assistant Engineer at Siddhirganj Power Station on September 1, 1986. Later he served as Sub-Divisional Engineer and Executive Engineer of 210 Mew Siddhirganj Thermal Power Plant Construction Project, Director of IPP Cell-1 and IPP Cell-3 and Chief Engineer, Private Generation. Later he also served as Member, Distribution.

Mr. Md. Mahbubur Rahman travelled to various countries including America, Russia, Japan, United Kingdom, Australia, Germany and Switzerland for training and professional work.

He is married in personal life and father of two children.



Md. Mohsin Chowdhury

Director, NWPGL

&

Director General (Secretary)

Bangladesh Karmachari Kallyan Board
(BKKB)

Md Mohsin Chowdhury, Director General (Secretary) of Bangladesh Karmachari Kallyan Board (BKKB), Ministry of Public Administration and born on 6 July 1964 in the Kadalpur Village of Rauzan Upazila of Chattogram District. He completed his B.Com (Hons) and M.Com in Accounting from the University of Chittagong. He completed the Post Graduate Degree in Government Studies. He also Completed Banking Diploma. He joined in BCS Administration Cadre, Batch 11 in the year of 1993. At the inception of his radiant career, he was posted as Assistant Commissioner in Pabna District. Besides working as 1st Class Magistrate and Speedy Trial Magistrate, he served in almost all positions of the field administration. During working in the field administration, he experienced people's expectations, achievements and unlimited cooperation which he preserved as unmatched values. Now he is working as Director General (Secretary) of Bangladesh Karmachari Kallyan Board (BKKB), Ministry of Public Administration. Fateh Ali Chowdhury is the ancestor of Md Mohsin Chowdhury. His father is Late Nurul Alom Chowdhury and mother is Late Khaleda Begam. Among three brothers and two sisters, he is the fourth. His wife, Begam Qamrunnesa, is a housewife. He is the proud father of two sons. He visited many countries during executing his responsibilities. Team work on the basis of good governance, honesty, skill and effectiveness is the dictum he follows in his working arena. He gives the highest emphasis on people centric development activities. Parallel to his busy working spectrum he involved himself in many social works and organisations.

He is a Member of the Board of Directors of North-West Power Generation Company Limited (NWPGL). He is the Convener of the Legal Affairs Committee and he is a Member of the Administrative Affairs Committee and Project Steering Committee of the Company. He is also the present Chairman of Northern Electricity Supply Company Limited (NESCO). He is committed to ensure uninterrupted quality power supply to the consumers of NESCO.



Dr. Maglub Al Nur

Director, NWPGL

&

Professor, BUET

Dr. Maglub Al Nur, Professor, Department of Mechanical Engineering, BUET joined NWPGL as a Director on 03 March 2010. He is a Member of the Technical & Engineering Committee and Audit & Finance Committee of the Company. He completed his B.Sc. in Mechanical Engineering from BUET in 1980 and Master of Engineering (Industrial Engineering and Management) from AIT, Bangkok in 1982. He joined as a Lecturer in the Department of Mechanical Engineering, BUET in 1983. He completed his Ph.D. from the University of Cambridge, UK under Cambridge Commonwealth Trust Scholarship in 1991. He became Professor in 1998. He was the Director,

Advisory Extension and Research Services (DAERS), BUET from 1999 to 2000. In 2000 he went to University of Cambridge as a post-doctoral research fellow under the Commonwealth Research Fellowship Programme. Simultaneously, he was a Visiting Fellow at Clare Hall College, University of Cambridge, UK. He became the Head of the Department of Mechanical Engineering, BUET during 2002-2004. He served as Assistant Provost of Suhrawardy Hall and Ahsanullah Hall, BUET. He was the Director of Student's Welfare, BUET. He is currently a Member, Academic Council of BUET. He was an Ex-Dean of the Faculty of Mechanical Engineering of BUET. He published significant number of academic publications in well reputed national and international journals. He is a Life Fellow of Clare Hall College, Cambridge, UK. His field of specialization is energy systems modelling, energy & environment and automobile engineering.



SK Aktar Hossain

Director, NWPGL

&

Member (Finance),
Bangladesh Power
Development Board

SK Aktar Hossain is currently the Member (Finance) of Bangladesh Power Development Board (BPDB). He, as Member (Finance) of BPDB, holds the position of Director, NWPGL. He is also a Member of the Legal Affairs Committee and Audit & Finance Committee of the Company. Mr. Hossain is a Joint Secretary to the Government of the People's Republic of Bangladesh. Prior to his present assignment, he was Joint Secretary of the Energy and Mineral Resources Division, Dhaka.

He has over 23 years long experience in managing public affairs. He has participated in a good number of local and foreign training programs. His official assignments took him to many countries across the globe.



**Engr. Md. Abdul
Mottalib**

Director, NWPGL

&

Managing Director,
CPGCBL

Engr. Md. Abdul Mottalib is the Managing Director of Coal Power Generation Company Bangladesh Limited (CPGCBL). He joined NWPGL as a Director on 21 January, 2020. He is a Member of Technical and Engineering Committee, Audit & Finance Committee and Project Steering Committee of NWPGL. Mr. Mottalib was born in Faridpur. He completed his graduation in Electrical and Electronic Engineering (EEE) in 1982 from Bangladesh University of Engineering and Technology (BUET). Then he started his career as an Assistant Engineer of Bangladesh Power Development Board (BPDB) in 1984. He holds more than 38 (thirty-eight) years of diverse experience in the power sector in his credit. In his long career, he has worked in planning & designing of distribution lines & transformers; construction, operation and maintenance of substations, and many other engineering fields. In his service life, he also contributed in reducing system loss and increasing revenue collection. He supervised and implemented various projects of BPDB of which the installation of world standard submarine cable for the first time in Bangladesh to connect Sandwip Island with the national grid via Sitakunda is worth mentioning. He served in various engineering posts before joining as the Member (Distribution) of BPDB. He took part in many trainings and workshops at home and abroad and visited many countries as an official delegate. In his personal life, Mr. Mottalib is married and blessed with two sons.



Md. Osman Gony

Director,
NWPGCL

&

PS to Principal
Secretary to HPM,
Prime Minister's
Office, Dhaka

Mr. Md. Osman Gony is a Deputy Secretary of the Government of the People's Republic of Bangladesh. At present he is working as PS to Principal Secretary to HPM of Prime Minister's Office. He joined NWPGCL as a Director in September, 2019. He is a Member of the Administrative Affairs Committee, Audit & Finance Committee, Legal Affairs Committee and Project Steering Committee of the Company. Mr. Osman obtained Bachelor of Commerce degree and Master of Commerce degree in Accounting from the University of Dhaka. He pursued Masters of Public Policy (MPP) degree from KDI School of Public Policy and Management, Seoul, Korea having concentration in trade and industrial policy.

He joined the Administration Cadre of Bangladesh Civil Service on 31 May 2003. He also served field administration, Cabinet Division and Power Division in different capacities. Before starting career in civil service, he served the Bangladesh Bank.



Engr. Ali Mohd. Al-Mamun
Director, NWPGL
&
Director (Operation & Mines)
Petrobangla
(February 2021 to September
2022)

Engr. Ali Mohd. Al-Mamun, Director (Operations & Mines), Petrobangla joined NWPGL as a Director on 03 February, 2021. He is a Member of Technical and Engineering Committee of North-West Power Generation Company Limited

He was born on 15th July, 1963 in Kazipur upazila of Sirajganj district. He completed his Secondary School Certificate and Higher Secondary Certificate Examination from Motijheel Ideal School, Dhaka and Notre Dame College, Dhaka respectively. He obtained B. Sc. in Civil Engineering from Bangladesh University of Engineering and Technology (BUET) in 1986.

Mr. Ali Mohd. Al-Mamun has completed various short courses in home and abroad during his long service period. He started his career as an Assistant Engineer (Civil) in International Technical Consulting Engineers (INTECH) in 1986. Later he joined Bakhraabad Gas Systems Limited (BGSL), a company of Petrobangla as Engineer (Sales) on 31st August, 1987. During his nine-year period in BGSL, he was engaged in gas pipeline construction works, approving process to gas sales line, riser construction, commissioning, planning & designing of gas pipelines, maintenance work of gas pipe line & associated facilities etc.

On 19th October, 1996, he joined Gas Transmission Company Limited (GTCL) as Deputy Manager. During his 21 years period of stay in GTCL, he worked in GTCL Twinning Project, R-A Project, monitoring of gas supply, dispatching, scheduling & nomination, maintenance of gas pipe lines & associated facilities, procurement of foreign & local materials, appointment of carrying contractor, C&F agent & PSI agent, civil construction etc. Besides these, he worked as member and member secretary of different committee of the Company. At the time, he was deployed as Project Director of GTCL Head Office Building Construction Project and he has successfully completed 13-storied (With 2 basements) Head Office Building with all modern facilities.

Then, he was appointed as Managing Director of Karnaphuli Gas Distribution Company Limited (KGDCL) on 13th December, 2017. On 24th April, 2018 he joined Gas Transmission Company

Limited (GTCL) as Managing Director. He became Managing Director of Titas Gas Transmission & Distribution Company Limited (TGTDCCL) on 4th December, 2019. On 30th November, 2020, Mr. Ali Mohd. Al-Mamun has been appointed as Director (Operation & Mines) of Bangladesh Oil, Gas and Mineral Corporation (Petrobangla).

Throughout his long journey in energy sector, Mr. Ali Mohd. Al-Mamun has obtained vast experience in system planning, designing, project management, construction of gas transmission pipelines & associated facilities, public procurement & preparation of tender documents, international codes, standards & specification on design and construction, construction of multi-storied building, government policies relation to design and development, human resource management, establishing testing laboratory, LNG supply, SCADA, ERP/EAM, system operation, lead management, maintenance, tender evaluation, contract management, testing & commissioning, on stream pigging activities, HDD river crossing etc.

He attended numerous conferences, seminars, workshops and training programs in home and abroad. He is married and blessed with one son and one daughter.



Engr. Md. Kamruzzaman Khan

Director, NWPGCL
&
Director (Operation & Mines),
Petrobangla
(September 2022 to Present)

Engr. Md. Kamruzzaman Khan, Director (Operations & Mines), Petrobangla joined North-West Power Generation Company Limited as a Director on 9 September 2022. He is a Member of Technical and Engineering Committee of NWPGCL.

Mr. Kamruzzaman Khan was born on 1st December, 1964 in shanki Bhanga village of Trishal Upazila under Mymensingh District. He completed his SSC from Assim High School, Fulbaria, Mymensingh and HSC from Ananda Mohan Govt. College, Mymensingh. He obtained B.Sc in Mechanical Engineering from BUET in 1988.

He started his carrier as an Assistant Engineer (ME) in Jalalabad Gas Transmission & Distribution Company System Ltd (JGTDSL) on 06/03/1990. He worked at JGTDSL upto 2010 and during this tenure he was engaged in the capacities as an Assistant Engineer, Deputy Manager, Manager and Deputy General Manager. He was engaged in several regional sales office, planning and designing of pipeline construction operation, marketing activities, materials procurement and committee member of different activities. He worked as a project Manager for construction of Gas pipeline/RMS for gas supply to Lafarge Surma Cement Factory.

He acted as vice president of Jalalabad Gas Sports and Cultural Affairs Committee and President of Jalalabad Gas officer's Welfare Association, President of Jalalabad Gas Employees Co-operative Society. He joined Pashchimanchal Gas Company Ltd. (PGCL) in 2010 and engaged as DGM/GM of Planning and Marketing activities. He worked as Project Co-Ordinator for construction of Gas Pipeline and Gas Station (RMS) for gas supplying to NWPGCL. He joined Titas Gas Transmission and Distribution Company Ltd. as Director Operation on 30/05/2018. He worked as committee convener of Meter Installation in GTCL & Distribution Companies Offtake/intake Point. He worked as member-secretary for Gas pipeline Bidimala Draft.

He has been appointed as Managing Director of Barapukuria

Coal Mining Company Ltd. (BCMCL) on 19/9/2019 and continued up to 21/7/2022 During the discharge of his duties, he worked with foreign contractor XMC-CMC consortium for coal production and facing different challenges, making the labours ensured continuous coal production during covid-19 situation.

On 21 July, 2022 Engr. Md. Kamruzzaman Khan joined as Director (Operation & Mines) of Bangladesh Oil, Gas & Mineral Corporation (Petrobangla).

Through his long Journey in energy Sector, Engr. Md. Kamruzzaman Khan has obtained vast Experience in – Planning, designing, management of Gas distribution, marketing, Revenue collection, Public procurement, Preparation of Tender Documents. Government policies and other associated works. He is also experienced in organizational activities. He travelled several countries for training/ visit at Canada. Thailand, Malaysia and also participated in Local training and workshops. He is married and blessed with two sons only.



**Dr. Syed Abdulla Al
Mamun, FCMA,
CSRS**

Director, NWPGL

&

Chief Executive Officer, The
Bangladesh Rating Agency
Limited (BDRAL)

Dr. Syed Abdulla Al Mamun FCMA CSRS, Chief Executive Officer (CEO) of The Bangladesh Rating Agency Limited (a subsidiary of Dun & Bradstreet SAME), joined NWPGL as a Director on 21 January 2020. He is the Convenor of the Audit & Finance Committee of the Company.

Dr. Mamun earned his PhD in Finance from School of Management, Asian Institute of Technology (AIT), Thailand. He completed BBA (Accounting) and MBA (Strategic Management Accounting) from Department of Accounting and Information Systems, University of Dhaka. Dr. Mamun is a certified professional Cost & Management Accountant (CMA) and Fellow member (FCMA) of Institute of Cost & Management Accountants of Bangladesh (ICMAB), a statutory professional accounting body in Bangladesh, and also a Certified Sustainable Reporting Specialist (CSRS), Institute of Certified Sustainability Practitioners (ICSP), Indonesia.

As an inquisitive finance professional, he has more than 15 years of professional experience in Business Strategy, Financial Analysis, Industry Analysis and Business Research Areas. Earlier, he worked in Credit Rating information and Services Limited (CRISL) more than a decade with multiple roles including Deputy CEO, industry analyst, member of rating committee and Director of CRISL School of Finance. In addition, he worked as consultant of different projects including International Financial Corporation (IFC), World Bank, Japan International Cooperation Agency (JICA), SNV Netherland, UNCDF. Dr. Mamun also teaches Finance & Accounting Courses in different reputed local and international institutions including Asian Institute of Technology (AIT), Thailand; Indian Institute of Management (IIM) Amritsar as Visiting Professor; University of Utara Malaysia (UUM), Malaysia; Institute of Business Administration (IBA), University of Dhaka; North South University (NSU); Brac Business School and Islami Bank Training & Research Academy of Islami Bank Bangladesh Limited (IBBL).

His research-interest focuses on Corporate Governance, Strategic Finance, Fintech, Intellectual Capital, Family Business, Business Strategy, Special Economic Zone and Sustainability. He has more than 35 research articles published in peer reviewed national and international journals. His book titled "Internal Corporate Governance in an Emerging Economy: Impact on the Performance of Financial Institutions in Bangladesh" published from Germany. Dr. Mamun is also engaged in professional community leadership and currently the Councillor and Vice Chairman of Dhaka Branch Council (DBC) of ICMAB, a statutory professional accounting institution in Bangladesh under Ministry of Commerce. He is also a Life Member Alumni of Dhaka University Accounting Alumni and Bangladesh Accounting Association (BAA).



Md. Sadrul Islam

Director, NWPGCL

&

Director, RCCI.

Mr. Md. Sadrul Islam joined NWPGCL as a Director on 25 August, 2010. He is a Member of the Audit and Finance Committee of the Company. He is a Director of Rajshahi Chamber of Commerce & Industry, Rajshahi. He is a Member of the Federation of Bangladesh Chambers of Commerce and Industry (FBCCI), Dhaka; Regional Transport Committee (RTC), Rajshahi and Metro Transport Committee (MTC), Rajshahi. He is a Vice-President of Bangladesh Bricks Manufacturer Owners Association, Dhaka. He was an Ex-Director of BRTC. He has visited many countries for personal and business purposes. He is associated with many social organizations and performs social welfare activities. He is a man of pleasing personality.



Md. Abu Naser
Director, NWPGL
&
Director, FBCCI

Mr. Abu Naser is the Managing Director of “Kachina Agro Complex Ltd (Poultry, Fisheries & Dairy Farm) and Finix Trading (Pvt) Ltd”. He is also a Director of Federation of Bangladesh Chambers of Commerce & Industries (FBCCI). He joined North-West Power Generation Company as a Director on 22 October, 2020. He is a Member of the Legal Affairs Committee of the Company. Moreover, he is the President of Outsourcing & Logistic Service Provider Association of Bangladesh and Member of SAARC Chamber of Commerce & Industries.

Mr. Abu Naser hails from Tangail. He is a post graduate in International Relations from the University of Dhaka. He also completed his second Masters in Mass Communication from the University of Liberal Arts Bangladesh (ULAB). Mr Abu Naser is a seasoned business man, political and social activist.

He was a former Director, Janata Bank Limited. Currently, he is the

Director of Future Infrastructure Development Ltd. He runs a top class logistic company named “Fame & Faith (Outsourcing & Logistic Service Company)”. He is the Proprietor & CEO of the company. His entrepreneurial engagement spreads over real estate, readymade garments, RMG buying house, trading and many more. He is a reputed and well-known entrepreneur in the business community. His Social and Professional Credentials are as follows:

Chairman, Kalihati Foundation President, Haji Shamsher Ali Vocational School & College, Kalihati, Tangail. President, Mogra Vocational Dakhil Madrasha, Kalihati, Tangail. Lifetime Donor, Salla Co-operative High School, Kalihati, Tangail. Lifetime Donor, Elanga High School, Kalihati, Tangail. Vice-President, Abahoni Supporters Unit, Central Assembly. Chief Adviser, Natto Proyash, Dhaka. Lifetime Donor, Tangail District Society, Dhaka. In addition, he benevolently carries out his social responsibilities to develop the Educational Sector of Bangladesh by donating computers to all the secondary and higher secondary schools in Kalihati Upazila; building schools with own finance in different remote areas of Kalihati Upazila; helping poor students for their excellence.



**Engr. A.M.
Khurshedul Alam**

Director, NWPGL

&

Chief Executive
Officer, NWPGL

Engr. A.M. Khurshedul Alam, Chief Executive Officer, NWPGL is the Ex-officio Director of the NWPGL Board. He is also the Managing Director of Bangladesh-China Power Company (Pvt.) Limited and Bangladesh-China Renewable Energy Company (Pvt.) Limited. He is a member of the Administrative Affairs Committee, Legal Affairs Committee, Technical and Engineering Committee and Project Steering Committee of the Company. He is also a Director of the Board of Coal Power Generation Company Bangladesh Limited (CPGCBL) and a Member of the Technical & Engineering Committee of CPGCBL.

He came of a respectable Muslim family from Jamalpur district. He did his B.Sc. in Mechanical Engineering from BUET in 1976. He has a rich and varied experience of about 46 years in engineering management. He caught the helm of North-West Power Generation Company Limited on 24 November 2008; Bangladesh-China Power Company (Pvt.) Limited on 01 October 2014 and Bangladesh-China Renewable Energy Company (Pvt.) Limited on 9 September 2020 in addition. He is responsible for overall administration, finance, corporate planning, business development and co-ordination of the Company. He is also responsible for development of rules, regulations, systems and legal functions and negotiations with commercial sources of credit for future expansion of the Company. He is the key architect to build and expand the brightest corporate image of the Company. Prior to his current assignment of Chief Executive Officer, he was an Additional Chief Engineer of Bangladesh Power Development Board and had held various posts in multifarious project works of BPDB.

Engr. A.M. Khurshedul Alam has received much prestigious recognition at home and abroad for his outstanding performance in power plant project management. For his transparent and innovative role in project implementation, he has been awarded the Integrity Award for the FY 2018-19 by the Government of the People's Republic of Bangladesh.

Moreover, under his dynamic leadership and close monitoring of the project activities, North-West Power Generation Company Limited (NWPGL) has been awarded as the Fastest Growing Power Generation Organization of Bangladesh and Hon'ble

Prime Minister Her Excellency Sheikh Hasina handed over a trophy to him at the inauguration of the National Power & Energy Week, 2018.

He is privileged to take part in many high profile training courses, seminars, symposiums, workshops, meetings, inspections, factory tests at home and abroad. He is married and blessed with a daughter and a son.

BOARD COMMITTEES

To ensure the efficiency of the Company's works, the Board has a total of 4 (four) standing committees, which prepare the proposals and issues to be dealt with at the Board's plenary meetings. The Conveners of the Board Committees report to the Board on the committee's work at the subsequent Board meetings. The Board has established the following committees:

Administrative Affairs Committee

Mr. Md. Habibur Rahman, Chairman, NWPGL Board	Convener
Engr. Md Mahbubur Rahman, Director, NWPGL Board	Member
Mr. Md. Mohsin Chowdhury, Director, NWPGL Board	Member
Mr. Md. Osman Gony, Director, NWPGL Board	Member
Chief Executive Officer, NWPGL	Member
Company Secretary, NWPGL	Member-Secretary

Legal Affairs Committee

Mr. Md. Mohsin Chowdhury, Director, NWPGL Board	Convener
Mr. SK Aktar Hossain, NWPGL Board	Member
Mr. Md. Osman Gony, Director, NWPGL Board	Member
Mr. Md. Abu Naser, Director, NWPGL Board	Member
Chief Executive Officer, NWPGL	Member
Company Secretary, NWPGL	Member-Secretary

Technical and Engineering Committee

Engr. Md Belayet Hossain, Director, NWPGL Board	Convener
Dr. Maglub Al Nur, Director, NWPGL Board	Member
Engr. Md. Abdul Mottalib, Director, NWPGL Board	Member
Engr. Md. Kamruzzaman Khan, Director, NWPGL Board	Member
Chief Executive Officer, NWPGL	Member
Executive Director (P&D/Engg.), NWPGL (as applicable)	Member-Secretary

Audit and Finance Committee

Dr. Syed Abdulla Al Mamun, FCMA, CSRS, Director, NWPGL Board	Convener
Dr. Maglub Al Nur, Director, NWPGL Board	Member
Mr. SK Aktar Hossain, NWPGL Board	Member
Engr. Md. Abdul Mottalib, Director, NWPGL Board	Member
Mr. Md. Osman Gony, Director, NWPGL Board	Member
Mr. Md. Sadrul Islam, Director, NWPGL Board	Member
Executive Director (Finance), NWPGL	Member-Secretary

KEY OFFICERS

Chief Executive Officer



Engr. A.M. Khushedul Alam
Chief Executive Officer

The Chief Executive Officer is the responsible Officer of the Company reporting to the Board of Directors. He is the leader of the Management Team of the Company, responsible for overall management of administration, finance, corporate planning, business development and ensuring the compliances of laws, rules and regulations, good governance, corporate culture, including development of set-up, rules, regulations, systems and legal functions of the organization. He is also responsible for supervision of all technical, financial and welfare aspects, negotiation for project financing issues with development partners and listing the Company in the stock exchange(s) etc.

Executive Director (Finance)



Md. Masudul Islam
Executive Director (Finance)

Mr. Md. Masudul Islam FCMA, joined NWPGL in April 2009 and currently holds the position of Executive Director (Finance). He oversees NWPGL's finance, accounting, strategy, portfolio, risk management and commercial functions. He also holds the position of Chief Financial Officer (CFO) in Bangladesh-China Power Company (Pvt.) Ltd (BCPCL).

Mr. Md. Masudul Islam FCMA, has over 28 years of experience in almost every aspects of Finance and Accounts. He has an extensive experience of working in Power Sector specifically in the financial management of Power Generation. In his career, he has successfully completed financing of multiple power projects from various sources Md. Masudul Islam of finance including donor agencies, ECAs, Project Financing etc. His experience spans over areas in International Finance, Planning & Budgeting, ECA Financing, Project Financing, Bonds, Joint Venture Projects, Public Procurement, Treasury and Superannuation Trusts.

He is also responsible for implementation of Power Sector ERP across the company. He reports through the Chief Executive Officer to the Board of Directors. He ensures compliances of laws, rules and regulations for good governance and corporate culture. During his rich career, he has attended various training programs & seminars at home & abroad. He visited many countries including India, China, Indonesia, Malaysia, Singapore, Japan, Germany and England.

Executive Director (Engineering)



Md. Abdus Samad
Executive Director
(Engineering)

The Executive Director (Engineering) acts as a member of the Management Team of the Company to assist the Chief Executive Officer for overall co-ordination of Company's management and engineering for the electricity generation system, ensuring the compliances of laws, rules and regulations for good governance and corporate culture. He reports through the Chief Executive Officer to the Board of Directors. He is responsible for the engineering and operation & maintenance of the plant facilities of the Company and assists the Chief Executive Officer for negotiating the LTSA issues with the development partners.

Executive Director (P&D)



Md. Harunar Rashid
Executive Director (P&D)

The Executive Director (P&D) is one of the two Chief Technical Officers of the Company reporting through the Chief Executive Officer to the Board of Directors. He acts as a member of the Management Team of the Company to assist the Chief Executive Officer for overall co-ordination of Company's planning, development and preparation of the project profiles for the electricity generation system, ensuring the compliances of laws, rules and regulations for good governance and corporate culture. He is also responsible for the technical studies, especially construction and supervision of the development facilities of the Company and assists the Chief Executive Officer for negotiating project financing issues with development partners.

Company Secretary



Bimal Chandra Roy
Company Secretary

The Company Secretary is the compliance officer to the Board. He is the spokesperson of the Company. He reports through the Chief Executive Officer to the Board of Directors. He is responsible for providing support services to the Board of Directors of the Company for ensuring compliances of laws, rules and regulations for good governance and corporate culture of the organization. He keeps proper records of the Board meetings and assists the Chief Executive Officer in monitoring the implementation of the decisions of the Board of Directors, and is responsible for convening meetings of the Board of Directors as advised with recording minutes of meetings. He has contribution to discussions and reminds the Directors about the legal, governance and other implications of the policies proposed in the meeting; monitor changes in relevant regulatory environment and takes appropriate action liaising with Auditors, Advisors and Solicitors. He is engaged in arranging statutory requirements and filing returns and statements with the concerned authorities.

TOP MANAGEMENT TEAM



Md. Mamunur Rahman Mondal
General Manager (HR & Admin)
Corporate Office



Hasibul Hasan
Plant Manager (Chief Engineer)
Khulna 225 MW Combined Cycle
Power Plant



Mohammad Mosharraf Hossain
Plant Manager (Chief Engineer)
Bheramara 410 MW Combined Cycle
Power Plant



Md. Mashiur Rahman
Project Director (Chief Engineer)
Rupsha 800 MW Combined Cycle
Power Plant Project



S.M. Habibur Rahman Siddique
General Manager (Fin & Accts)
Corporate Office



Engr. Shafiqul Islam
Chief Engineer
Sirajganj Power Station



Engr. Md. Saiful Islam
Chief Engineer (P&D)
Corporate Office



Hasina Rahman
Deputy General Manager (Audit)
Corporate Office



Md. Motiul Islam
Superintending Engineer (Procurement)
Corporate Office

Memo No. 27.28.0000.101.06.008.19.

Date: December, 2022

Demo Notice of the 15th Annual General Meeting

The notice is hereby given that the **15th Annual General Meeting** of the Hon'ble Shareholders of North-West Power Generation Company Ltd will be held by **December 2022 at a convenient time** to transact the following businesses:

Agenda

1. To receive, consider and adopt the Directors' Report, Audited Accounts of the Company for the year ended June 30, 2022 together with the Auditors' Report and the Annual Report of the Board of Directors thereon.
2. To declare dividend for the year ended June 30, 2022 as recommended by the Board of Directors.
3. To appoint Auditors for FY 2022-2023 and fix their remuneration.
4. To elect Directors of the Company.
5. To transact any other business of the Company with the permission of the chair.

All Hon'ble Shareholders and Directors of the Board of the Company are requested to attend the meeting.

By order of the Board,

(Bimal Chandra Roy)

Company Secretary

North-West Power Generation Co. Ltd, Dhaka.

Copy for kind distribution to:

1. Mr. Md. Habibur Rahman, Chairman, NWPGL and Secretary, Power Division, Ministry of Power, Energy & Mineral Resources, Bangladesh Secretariat, Dhaka.
2. Engr. Md. Belayet Hossain, Director, NWPGL and Chairman, BPDB, Dhaka.
3. Mr. Md. Mohsin Chowdhury, Director, NWPGL and Additional Secretary (Admin) , Power Division, MoPEMR, Dhaka.
4. Mr. SK Aktar Hossain, Director, NWPGL and Member (Finance), BPDB, Dhaka.
5. Member (Admin/Generation/P&D/Company Affairs/Distribution), BPDB, Dhaka.Dr.
6. Maglub Al Nur, Director, NWPGL and Professor, Department of Mechanical Engineering, BUET, Dhaka.
7. Engr. Md. Abdul Mottalib, Director, NWPGL and Managing Director, CPGCBL, Dhaka.
8. Mr. Md. Osman Gony, Director, NWPGL and Director (Admin), Prime Minister's Office, Dhaka.
9. Engr. Md Kamruzzaman Khan, Director, NWPGL and Director (Operation & Mines) Petrobangla, Dhaka.
10. Dr. Syed Abdulla Al Mamun, FCMA, CSRS, Director, NWPGL and CEO, BDRAL, Dhaka.
11. Mr. Md. Sadrul Islam, Director, NWPGL and Director, RCCI, Rajshahi.
12. Mr. Md. Abu Naser, Director, NWPGL and Director FBCCI, Dhaka.
13. Engr. A.M. Khurshedul Alam, Director, NWPGL and Chief Executive Officer, NWPGL, Dhaka.
14. General Manager, Commercial Operation, BPDB, Dhaka.
15. Controller (Accounts & Finance), BPDB, Dhaka.
16. Secretary, BPDB, Dhaka.
17. Director (Finance), BPDB, Dhaka.

Copy for kind information to:

1. Secretary, Power Division, MoPEMR, Bangladesh Secretariat, Dhaka.
2. Chairman, Bangladesh Power Development Board, Dhaka.
3. Chairman, Bangladesh Securities and Exchange Commission, Dhaka.
4. Registrar of Joint Stock Companies and Firms, Bangladesh.
5. Member (Admin/Finance/Generation/P&D/Company Affairs/Distribution), BPDB, Dhaka.
6. Chief Executive Officer, North-West Power Generation Company Ltd, Dhaka.
7. Executive Director (P&D/Engineering/ Finance), NWPGL, Dhaka.
8. All CEs/GMs/Plant Managers, NWPGL, Dhaka.
9. All DGMs/SEs, NWPGL, Dhaka.
10. All Project Directors, NWPGL, Dhaka.
11. M/s. Sheikh & Chowdhury (Barristers & Advocates), Legal Retainer, Banglar Bani Bhaban (2nd Floor), 81 Motijheel C/A, Dhaka-1000.
12. M/s. ACNABIN (Chartered Accountants), BDBL Bhaban (Level-3), 12 Kawran Bazar C/A, Dhaka.
13. Office Copy.

Company Secretary
North-West Power Generation Co. Ltd, Dhaka.

DIRECTORS' REPORT

Hon'ble Shareholders,

I am proud to announce that in spite of financial crisis around the world due to the European war and conflict, the Financial Year 2021-2022 was an eventful and successful year for North-West Power Generation Company Limited (NWPGL). Our operating performance was stronger than the past and achievements were satisfactory during the period. The Company established its efficiency as a reliable force to the Government as well as to the customer, shareholders, business partners and employees. If we assess the whole journey of NWPGL, we will find that, we work to build an environment of business to pursue our goal by maximizing the potential values of our assets and by minimizing risk, protecting our shareholders interest and maintaining a strong economic position to ensure our winning future. Representing the Board of Directors and Management, I greet you all to the 15th Annual General Meeting (AGM) of North-West Power Generation Company Ltd. We are happy to place the Annual Report 2022 containing Directors' Report for your kind consideration.

The Environment we operate in

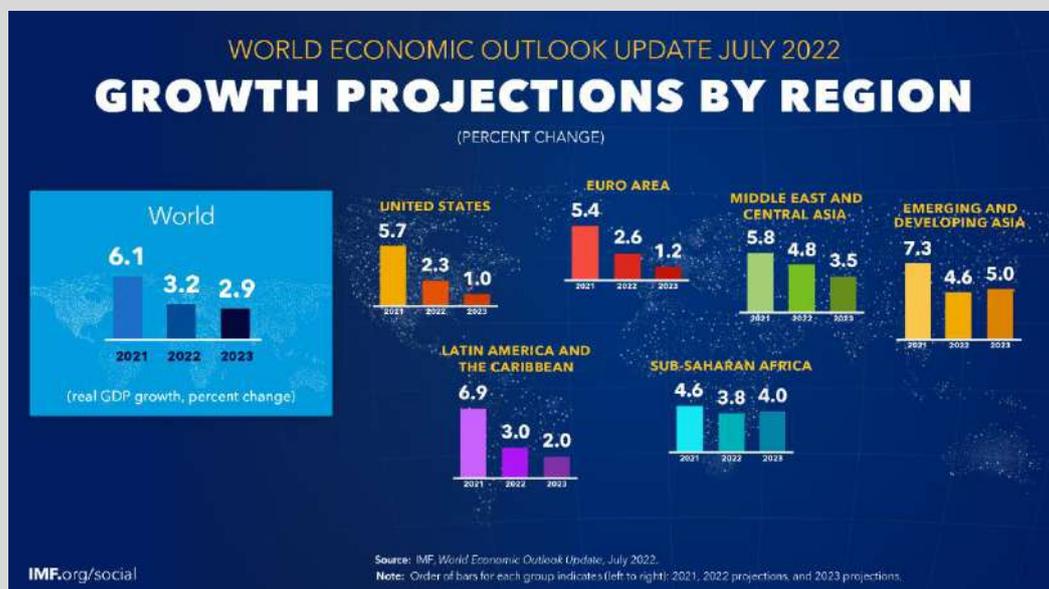
World Economy

World Economic Outlook forecast that the baseline of world economy is for growth to slow from 6.1 percent last year to 3.2 percent in 2022, 0.4 percentage point lower than in the April 2022. The Lower growth earlier this year, reduced household purchasing power, and tighter monetary policy drove a downward revision of 1.4 percentage points in the United States. In China, further lockdowns and the deepening real estate crisis have led growth to be revised down by 1.1 percentage points, with major global spill overs. And in Europe, significant downgrades reflect spill overs from the war in Ukraine and tighter monetary policy. Global inflation has been revised up due to food and energy prices as well as lingering supply-demand imbalances and is anticipated to reach 6.6 percent in advanced economies and 9.5 percent in emerging market and developing economies this year—upward revisions of 0.9 and 0.8 percentage point, respectively. In 2023, disinflationary monetary policy is expected to bite, with global output growing by just 2.9 percent.

The risks to the outlook are overwhelmingly tilted to the downside. The war in Ukraine could lead to a sudden stop of European gas imports from Russia; inflation could be harder to bring down than anticipated either if labour markets are tighter than expected or inflation expectations unanchor; tighter global financial conditions could induce debt distress in emerging market and developing economies; renewed COVID-19 outbreaks and lockdowns as well as a further escalation of the property sector crisis might further suppress Chinese growth; and geopolitical fragmentation could impede global trade and cooperation. A plausible alternative scenario in which risks materialize, inflation rises further, and global growth declines to about 2.6 percent and 2.0 percent in 2022 and 2023, respectively, would put growth in the bottom 10 percent of outcomes since 1970.

With increasing prices continuing to squeeze living standards worldwide, taming inflation should be the first priority for policymakers. Tighter monetary policy will inevitably have real economic costs, but delay will only exacerbate them. Targeted fiscal support can help cushion the impact on the most vulnerable, but with government budgets stretched by the

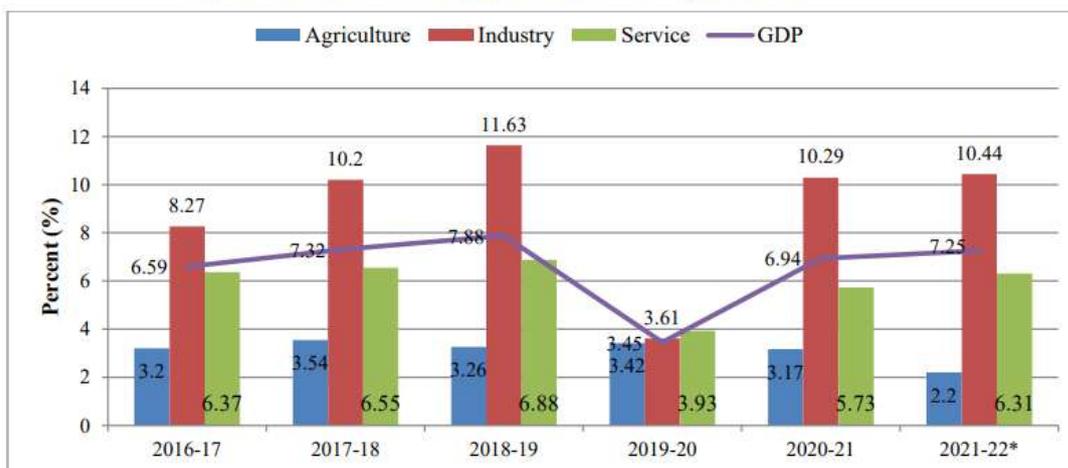
pandemic and the need for a disinflationary overall macroeconomic policy stance, such policies will need to be offset by increased taxes or lower government spending. Tighter monetary conditions will also affect financial stability, requiring judicious use of macroprudential tools and making reforms to debt resolution frameworks all the more necessary. Policies to address specific impacts on energy and food prices should focus on those most affected without distorting prices. And as the pandemic continues, vaccination rates must rise to guard against future variants. Finally, mitigating climate change continues to require urgent multilateral action to limit emissions and raise investments to hasten the green transition.



Macroeconomic Situation in Bangladesh

Bangladesh economy was growing consistently high over a decade crossing 7.0 percent milestone in FY 2015-16 and 8.0 percent milestone in FY 2018-19, however, the COVID-19 pandemic reduced the growth rate to 3.45 percent in FY 2019-20. Under the prudent leadership of the Honorable Prime Minister Sheikh Hasina Bangladesh successfully managed COVID-19 pandemic and returned to high growth trajectory. The economy grew by 6.94 percent in FY 2020-21. According to the provisional estimates of BBS, the GDP growth stood 7.25 percent in FY 2021-22, 0.05 percent higher than the target rate and 0.31 percent higher than the previous fiscal year. Medium-term forecasts for GDP growth rates are 7.5 percent in FY 2022-23, 7.8 percent in FY 2023-24 and 8.0 percent in FY 2024-25.

Figure 2.1: Broad Sectoral GDP Growth at Constant Prices



Source: Bangladesh Economic Review, Ministry of Finance

The role of power sector in socio-economic development, industrialisation and poverty alleviation of the country is immense. During FY 2021-22 (up to January 2022), total installed electricity generation capacity stood at 22,066 MW which was 25,284 MW including captive and renewable energy. Till now the maximum electricity generation was 13,792 MW (27 April 2021). Total net electricity production was 80,423 million kilowatt-hours in FY 2020-21 and in the first six months of FY 2021-22 (up to December 2021) total net electricity production stood at 42,395 million kilowatt-hours. Out of total net generation, 40.02 percent power was generated by public sector, 47.39 percent power from private sector, 4.10 percent from joint venture and 8.50 percent from power import. In addition, total system loss of transmission and distribution of electricity substantially declined to 9.54 percent in FY 2021-22 (up to January 2022) from 14.73 percent in FY 2010-11. At present, the total distribution line is 6.19 lakh kilometer and total consumer is 4.19 crore. Government has brought all the citizens under 100 percent electricity facility in 2021. According to Power System Master Plan (PSMP) 2016, the government has set a target to increase installed electricity generation capacity to 40,000 MW by 2030 and 60,000 MW by 2041. On the other hand, natural gas met almost 62 percent of the country's total commercial use of energy. A total of 28 gas fields have been discovered from which about 19.11 trillion cubic feet gas has been produced cumulatively (up to December 2021) leaving 9.30 trillion cubic feet recoverable. Besides, the country has about 13.60 lakh metric tons reserve fuel oil. Considering the country's energy security and fuel diversification plan, government is generating power from coal, LNG, dual-fuel, nuclear and renewable energy alongside establishing gas and liquid fuel-based power plants. Furthermore, electricity is being imported through regional and sub-regional cooperation.

Government has prioritised the power sector right from the beginning and undertaken immediate, short, medium and long-term plans to meet the increasing demand of electricity. At present, the installed generation capacity of the country has been increased to 25,284 MW including captive and renewable energy. Per capita power generation has increased to 560 kWh. The power distribution line has increased to 6.19 lakh km and the number of consumers has increased to 4.19 crore. The system loss has come down to 9.54 percent till December of FY 2021-22 which was 14.73 percent in FY 2010-11. Extensive development in the power sector is due to timely and realistic planning and implementation through intensive supervision, provision of incentives and incentives to attract domestic and foreign investment in the private sector and measures for import of power on the basis of regional cooperation. At present government has brought all its citizen under 100 percent electricity facility. As per vision 2041, government is working towards to implement power generation capacity of 40,000 MW by 2030 and 60,000 MW by 2041 as per Power System Master Plan (PSMP).

In the microeconomic situation stated above, the role of Power Sector in socio-economic development, industrialisation and poverty alleviation of the country is huge. At present total installed electricity generation capacity is more than 25,000 MW. Considering the country's energy security and fuel diversification plan, government is generating power from coal, LNG, dual-fuel, nuclear and renewable energy alongside establishing gas and liquid fuel-based power plants. Furthermore, electricity is being imported through regional and sub- regional cooperation. By using each and every possible way, Bangladesh government is working to ensure uninterrupted power supply to the industries and to the people.

The Sector we operate in

Global Energy Scenario

The global energy system faces deep uncertainty in the near, medium, and long terms. Amidst war in Europe, the urgent need to reduce greenhouse gas emissions, and many other factors, long-term energy outlooks offer one lens through which to assess the wide range of potential futures for global energy, emissions, and even geopolitics.

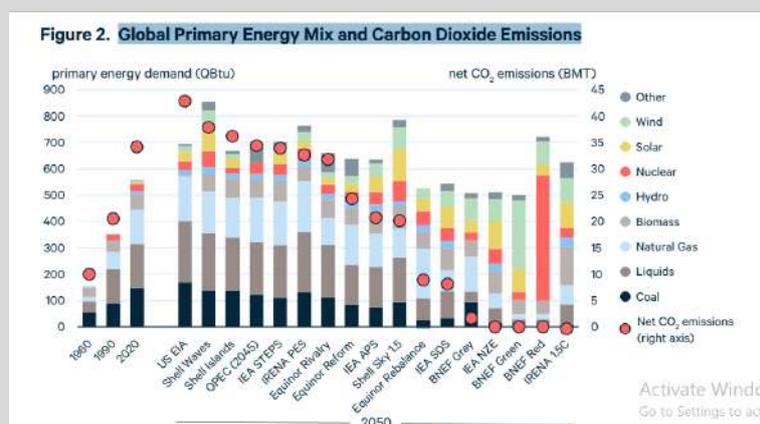
Global energy markets are under stress. Even before Russia's invasion of Ukraine, Brent crude spot prices rose from an average of \$42/bbl in 2020 to \$71/bbl in 2021. By early March 2022, as Russian tanks rolled across the border, Brent prices spiked to more than \$120/bbl. Energy outlooks released in 2021 could not have anticipated these events, and only one scenario (the US EIA's High Oil Price) assumed oil prices reaching today's levels at any point before 2050.

These price increases burden energy consumers around the world. In the near term, options for easing high prices are limited, but in the medium to longer terms, energy security can be enhanced through reducing oil and natural gas consumption and further diversification of suppliers. Many options to enhance energy security also align with long-term climate goals. For example, energy efficiency and accelerating the electrification of transportation, heating, and other uses can reduce exposure to volatile hydrocarbon prices. Still, clean energy technologies such as electric vehicles, wind turbines, and solar modules also rely on global supply chains which in some cases are geographically concentrated and inelastic, indicating that geopolitics will continue to play a role in energy markets for the foreseeable future.

Under all Reference and Evolving Policies scenarios, global primary energy consumption grows considerably over the next three decades, but CO₂ emissions rise under only half of these scenarios, implying a less carbon-intensive energy mix. Under most Ambitious Climate scenarios, dramatic improvements in energy efficiency lead aggregate primary energy consumption to decline as emissions plummet due to a much cleaner fuel mix.

In 2020, coal, oil, and natural gas provided 446 QBTu, or 80 percent, of the world's primary energy supply. By 2050, the share of fossil fuels in the primary energy mix declines under all scenarios other than the EIA's Reference Case, but their aggregate level increases under most Reference and Evolving Policies scenarios. Under these scenarios, the world would continue its long history of "energy additions," where new energy sources build atop, rather than replace, older sources, making it impossible to achieve international climate targets, such as 1.5°C or 2°C.

Global Primary Energy Mix and Carbon Dioxide Emissions



Source: Global Energy Outlook 2022, Resources for the Future (Nonprofit research institution in America)

Global oil markets have ridden a roller coaster over the last two years. In the first four months of 2020, as the COVID-19 pandemic crushed the demand for transportation fuels, spot prices for Brent crude, a standard international benchmark, fell from \$70 per barrel (bbl) to less than \$10/bbl. In the United States, benchmark West Texas Intermediate crude briefly traded at negative prices. Over the following 18 months, however, Brent prices marched haltingly upward, passing \$80/bbl by October 2021, and leading to higher fuel prices

for consumers. In response to these higher prices, the United States and several other nations released inventories from their strategic petroleum reserves (SPR).

It is impossible to know how the current crisis will evolve and affect energy markets in the months, years, and decades ahead. But some early developments may offer insight. International oil companies, such as BP, Shell, and ExxonMobil, have announced that they are withdrawing from multibillion-dollar investments in Russian oil and natural gas projects. Major oilfield service providers such as Baker Hughes, Halliburton, and Schlumberger also announced pauses in their operations. This will likely make it more difficult for Russia to develop its hydrocarbon resources, potentially reducing global supplies, which would tend to increase prices.

Global Oil Prices, COVID-19, and Russia's Invasion of Ukraine



Source: Global Energy Outlook 2022, Resources for the Future (Nonprofit research institution in America)

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Source: Global Energy Outlook 2022, Resources for the Future (Nonprofit research institution in America)

Bangladesh Power Sector

The power sector of Bangladesh has been experiencing worth-mentionable and very significant progress since 2009. The power generation capacity has been enhanced more than five times within this short period. At present, total installed electricity generation capacity stood at 25,730 MW (including captive and renewable energy sources). The highest generation was recorded as 14,782 MW on 16 April 2022. 100 percent people of Bangladesh have access to electricity. Fuel-wise installed capacity of the sector is given in the below table:

Fuel Type	Capacity (MW)	Percentage share (%)
Coal	1768.00 MW	7.85 %
Gas	11476.00 MW	50.98 %
HFO	6329.00 MW	27.92 %
HSD	1290.00 MW	5.73 %
Hydro	230.00 MW	1.02 %
Imported	1160.00 MW	5.15 %
Solar	259.00 MW	1.15 %
Total	22512 MW	100 %
Captive	2,800	
Off-grid Renewable	418	
Grand Total	25,730	

Table: Installed Capacity of Power Sector [as on Sept 2022] (Source: BPDB)

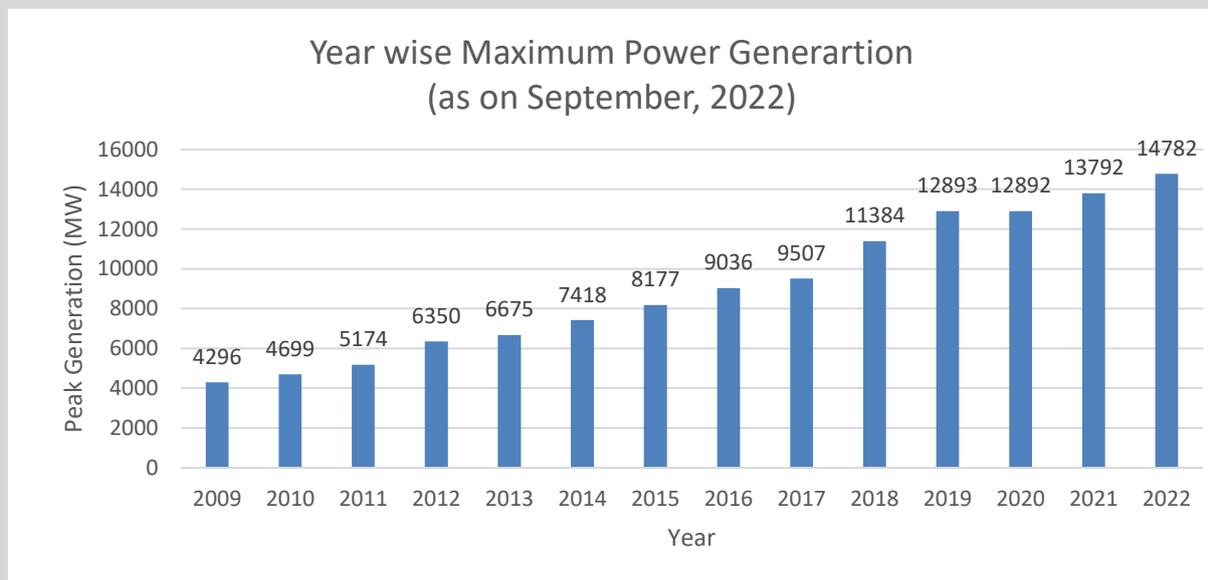
According to the Power System Master Plan (PSMP) 2016, the government has set a target to increase installed electricity generation capacity to 24,000 MW by 2021, 40,000 MW by 2030 and 60,000 MW by 2041. In order to meet the growing demand of natural gas and fuel oil and to secure energy supply of the country in long term, the highest emphasis is given on the diversification of energy sources, particularly on the efficient and best use of energy. Some key statistics of the power sector are presented below:

Bangladesh Power Sector at a Glance

Generation Capacity (MW) (including captive and RE)	25,730 MW
Highest Generation (MW)	14,782 (16/04/2022)
Total Consumers	43.60 Million
Transmission Line	13,889 Ckt.km
Distribution Line	6,29,000 km
Total System Loss	7.74 %
Per Capita Generation	608.76 (kWh) per year
Access to Electricity	100 %

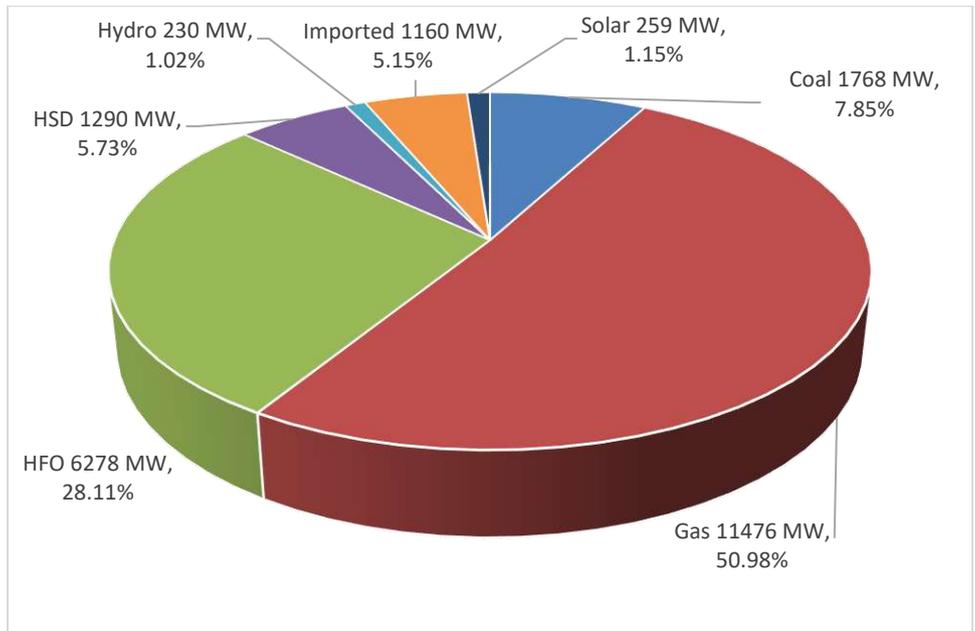
Source: BPDB (As of September 2022)

Year wise Maximum Power Generation (MW) in Bangladesh



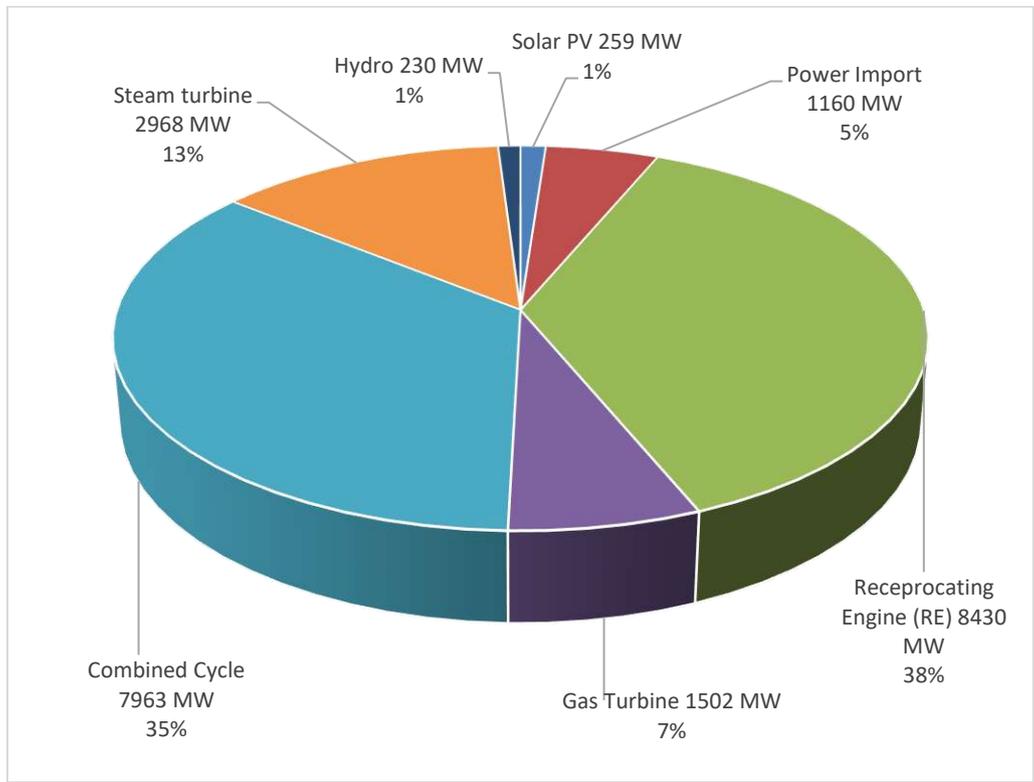
Source: BPDB & Power Cell, Power Division

Fuel Mix Scenario for power generation of the country:



Source: BPDB (as on August, 2022)

Power Generation Technology currently used in Bangladesh:



Source: BPDB (as on August, 2022)

Operational Information

Power Plant Operational Data of NWPGCL

NWPGCL began its journey in 2007. With efficient management and technical excellence, the Company is currently operating 09 (nine) Power Plants having a total capacity of 3063 MW including the plants under Joint Ventures. The Company is expected to increase its capacity to about 10,000 MW by 2030. The list of existing power plants and projects are furnished below:

Power Plants under NWPGCL & its JVC

SL. No.	Name of the Power Plant	Type of Fuel/Energy Source	Generation Capacity (MW)	COD
1.	Sirajganj 225 MW Combined Cycle Power Plant (Unit-1)	Natural Gas / HSD	214	Simple Cycle: 22/11/2012 Combined Cycle: 14/07/2014
2.	Khulna 225 MW Combined Cycle Power Plant	Natural Gas / HSD	230	Simple Cycle: 23/09/2013 Combined Cycle: 25/06/2016
3.	Bheramara 410 MW Combined Cycle Power Plant	Natural Gas / HSD	410	Simple Cycle: 09/05/2017 Combined Cycle: 14/12/2017
4.	Sirajganj 225 MW Combined Cycle Power Plant (Unit-2)	Natural Gas / HSD	220	05/02/2018
5.	Sirajganj 225 MW Combined Cycle Power Plant (Unit-3)	Natural Gas / HSD	220	Simple Cycle: 09/08/2018 Combined Cycle: 20/01/2019
6.	Madhumati 100 MW HFO Based Power Plant	HFO	105	17/04/2019
7.	Sirajganj 6.55 MW (AC) Grid Connected Photovoltaic (PV) Power Plant	Solar	6.13	29/03/2021
Under Joint Venture:				
8.	Sirajganj 414 MW Combined Cycle Power Plant (Unit-4)	Natural Gas / HSD	414	Simple Cycle: 10 Oct 2018 Combined Cycle: 8 Apr 2019
9.	Payra 1320 MW Thermal Power Plant (Phase I)	Imported Coal	1244	15 May 2020 (1 st Unit) 08 Dec 2020 (2 nd Unit)
Total Generation Capacity			3063.13	

The annual Plant Factor and Availability Factor achieved by NWPGCL in FY 2021-22 are illustrated in the following charts:

Plant Factor (%) FY 2021-22



Availability Factor (%) FY 2021-22





Sirajganj Power Station



Khulna 225 MW Combined Cycle Power Plant



Bheramara 410 MW Combined Cycle Power Plant



Madhumati 100 MW Power Plant



Sirajganj 7.6 MWp Grid Connected Photovoltaic Solar Power Plant



Payra 1320 MW Thermal Power Plant (1st Phase) (Under JVC)

Current Development Activities

SN	Name of the Project	Fuel / Energy Source	Generation Capacity (MW)	Expected COD
1.	Payra 1320 MW Thermal Power Plant Project (Phase II) (Under JVC)	Imported Coal	1320	1st Unit: Oct 2025 2nd Unit: Apr 2026
2.	Rupsha 800 MW Combined Cycle Power Plant Project	Natural Gas/ HSD	880	1st Unit: Oct 2023 2nd Unit: Apr 2024
3.	Sirajganj 68 MW Solar Park Project (Under JVC)	Solar	68	Dec 2023
4.	Pabna 60 MW Solar Park Project (Under JVC)	Solar	64	Dec 2023
5.	Payra 50 MW Wind Power Plant Project (Under JVC)	Wind	50	Dec 2024
6.	Payra LNG-to-Power Project – 1 st Phase	LNG	1200	Jun 2026
Total Capacity			3582	

Rupsha 800 MW Combined Cycle Power Plant Project Photo



3D View of Rupsha 800 MW Combined Cycle Power Plant



HRSG-1 & Stack-1



Sub-Station Area

Future Development Plan

SN	Name of the Project	Fuel	Generation Capacity (MW)	Expected COD
1.	Payra LNG-to-Power Project – 2 nd Phase	LNG	1200	Dec 2028
2.	Payra LNG-to-Power Project–3 rd Phase	LNG	1200	Dec 2030
3.	Future Renewable Energy Based Power Plant Projects at different locations (NWPGL & JVC)	Solar/Wind	455	under planning
Total Capacity			2855	

Joint Venture

NWPGCL has formed several joint venture companies to achieve technological and financial synergies, including quick project financing and securing foreign direct investment in the country. The Joint Venture Companies (JVC) were basically formed as strategic platforms to secure foreign investments for development projects.

NWPGCL signed the Joint Venture Agreement (JVA) with CMC, China on 09 June 2014 in Beijing, China in presence of the hon'ble Prime Minister of the government of Bangladesh and her counterpart the hon'ble Prime Minister of the People's Republic of China in order to implement Payra 1320 MW Thermal Power Plant Project by using Ultra Supercritical Technology (UST) and by establishing a JVC. Then, Bangladesh-China Power Company (Pvt.) Limited (BCPCL) was constituted and registered with the Registrar of Joint Stock Companies and Firms, Bangladesh on 01 October 2014 as a Joint Venture Company under the banner of NWPGCL and CMC to implement the said project. BCPCL is a particular type of JVC in which the participants intend to follow some business objectives for the execution of coal-fired mega projects. BCPCL has already implemented Payra 1320 MW Thermal Power Plant (Phase I) and the implementation of Payra 1320 MW Thermal Power Plant Project (Phase II) is in progress. For evacuating the power generated at Payra Power generation hub, a double-circuit overhead 400 kV Transmission Line project is being implemented by BCPCL from Payra to Aminbazar (Dhaka) via Gopalganj.

NWPGCL has also developed strategic alliance with M/s Sembcorp Utilities Pte Ltd, Singapore and formed another Joint Venture Company, namely Sembcorp North-West Power Company Limited (SNWPCL), which was registered with the Registrar of Joint Stock Companies and Firms, Bangladesh on 07.01.2016. This Company has already

established Sirajganj 414 MW Combined Cycle Power Plant (Unit-4) at the Sirajganj Power Generation Hub.

To increase the footprint for renewable energy as per the policy of GoB, the Company has signed MoU with CMC on 27 August 2019 in order to establish a JVC to implement 500 MW renewable energy-based power plants across the Country. The Joint Venture Agreement (JVA) between the NWPGL and CMC was signed on 14 July 2020 and subsequently a Joint Venture Company named Bangladesh-China Renewable Energy Company (Pvt.) Ltd. (BCRECL) was formed. Presently, development activities of Pabna 60 MW Solar Park Project, Payra 50 MW Wind Project and Sirajganj 68 MW Solar Park Project are being carried out under the jurisdiction of the newly formed company.

Table: JV Companies of NWPGL

Name of Company	Consortium Partners	Share of NWPGL	Implemented Projects	On-going Projects
Bangladesh-China Power Company (Pvt.) Ltd. (BCPCL)	1. North-West Power Generation Co. Ltd. (NWPGL), Bangladesh 2. China National Machinery Import and Export Corporation (CMC), China	50%	Payra 1320 MW Thermal Power Plant (Phase I)	Payra 1320 MW Thermal Power Plant (Phase II)
Sembcorp North-West Power Company Limited (SNWPCL)	1. North-West Power Generation Co. Ltd. (NWPGL), Bangladesh 2. Sembcorp Utilities Pte Ltd, Singapore 3. Sembcorp Bangladesh Holding Pte Ltd	29%	Sirajganj 414 MW CCPP	-
Bangladesh-China Renewable Energy Company (Pvt.) Ltd. (BCRECL)	1. North-West Power Generation Co. Ltd. (NWPGL), Bangladesh 2. China National Machinery Import and Export Corporation (CMC), China	50%	-	1. Pabna 60 MW Solar Park 2. Sirajganj 68 MW Solar Park 3. Payra 50 MW Wind Power Plant

Special Event

Inauguration of Payra 1320 MW Thermal Power Plant & Announcement of 100% Electrification

Payra 1320 MW thermal power plant is currently the largest power plant in Bangladesh to meet the country's electricity demand and is supplying electricity to the national grid. In December 2020, the Payra 1320 MW thermal power plant (Phase I) came into production. Its total production capacity is 1320 MW. The power plant is a joint venture between North-West Power Generation Company Ltd. and China National Machinery Import and Export Corporation.

Hon'ble Prime Minister Sheikh Hasina visited the plant on 21st March 2022 and announced its auspicious inauguration. With the inauguration of Payra 1320 MW thermal power plant, built on the first ultra-supercritical technology of Bangladesh, a new chapter has started in the power sector of the country. Besides, at the inauguration ceremony of Payra Power Plant, the Hon'ble Prime Minister announced to achieve the milestone of 100% electrification by providing electricity to every household.



Hon'ble Prime Minister Sheikh Hasina inaugurating Payra 1320 MW Thermal Power Plant



Hon'ble Prime Minister is Praying after the inauguration Ceremony



Hon'ble Prime Minister was welcomed by 200 boats hoisting flags and singing National Anthem after reaching Payra Power Plant



Hon'ble Prime Minister observing Payra Power Plant



CEO, NWPGCL briefing Hon'ble Prime Minister about Payra 1320 MW Power Plant

Appreciation Letters to CEO of NWPGCL regarding the Inauguration Program of Payra 1320 MW Thermal Power Plant



Dr. Ahmad Kaikaus
Principal Secretary to the Prime Minister
Prime Minister's Office
Govt. of the People's Republic of Bangladesh

D.O.No. 03.061.00.00.005.2022-26

Date: 17 May 2022

Dear Colleague,

It is my immense pleasure and honor to congratulate you all on behalf of the Hon'ble Prime Minister, Government of the People's Republic of Bangladesh for successful inauguration of Payra 1320 MW Thermal Power Plant at Kalapara, Patuakhali held on 21 March 2022. Amidst the twin celebrations of the Birth Centenary of our Father of the Nation Bangabandhu Sheikh Mujibur Rahman and the Golden Jubilee of our Independence glorified further by graduation to developing country from the status of LDC, inauguration of this mega project has unfolded another success of our booming economic performance over last decade under the spirited leadership of Hon'ble Prime Minister Sheikh Hasina. The historical moment of unveiling plaque of the power plant is a leading light in our power sector as it is the first mega project implemented in comparatively short span of time. The gracious presence and forward-looking speech by Hon'ble Prime Minister Sheikh Hasina have enlightened the program.

The Payra Power Plant also became a part of history by being the proud venue of declaration of 100 percent electrification of Bangladesh, a pledge fulfilled by the current government to bring all households under electricity coverage by "Mujib Borsho". Above all, the show in the Rabnabad Marine Channel and the cultural display staged after the opening program were remarkable indeed. All the members of Bangladesh-China Power Company Ltd and its parent companies North-West Power Generation Company Ltd and China National Machinery Import and Export Corporation, members of Board of Directors of respective company and officials of Power Division deserve special applause for the excellent efforts they exerted and the Prime Minister's Office is thankful to you all for every hardship you have endured to make everything happened in a befitting manner. Please accept our unfeigned appreciation.

(Dr. Ahmad Kaikaus)

Managing Director
Bangladesh-China Power Company Ltd.

Prime Minister's Office, Tejgaon, Dhaka-1215, Phone: 880-2-9118910 (Office), Fax: 880-2-58153020, Email: psecy@pmo.gov.bd

On behalf of the Hon'ble Prime Minister of the Government of the People's Republic of Bangladesh, the Principal Secretary of the Prime Minister handed over a letter of thanks to the Chief Executive Officer of NWPGCL



Nasrul Hamid MP
State Minister
Ministry of Power, Energy & Mineral Resources
Government of the People's Republic of Bangladesh

25 April 2022

Dear Managing Director, BCPCL,

With great delight, I am extending my sincere thanks to you and everyone working at Bangladesh China Power Company (Pvt.) Limited (BCPCL) and North-West Power Generation Company Limited (NWPGL) for the completion of the Payra 1320 MW Power Plant on time. The ultra-supercritical power plant, the first of its kind in Bangladesh and thus Bangladesh has entered as the 13th country in using *Ultra Supercritical Technology* for clean coal technology-driven power production. In this connection, I acknowledge the cooperation received from Bangladesh-China Power Company (Pvt.) Limited. The timely completion of this 2.45 Billion USD project and that too with a saving of 157 million USD is a milestone in the history of Bangladesh. The Hon'ble Prime Minister of People's Republic of Bangladesh inaugurated this power plant on 21 March 2022 being highly satisfied by the success of the company in all respects. I firmly believe that such success was possible because of your dynamic leadership and cautious due diligence in every phase of the company.

I strongly believe your contribution to this project and to the power sector is exemplary and others will follow suit.

With best wishes,



Nasrul Hamid, MP

Engr. A.M. Khurshedul Alam
Managing Director (In-Charge), BCPCL
&
Chief Executive Officer, NWPGL

Phone: +88-02223354491, Fax: +88-02-9545464, Web: www.mpemr.gov.bd, Email: sm@mpemr.gov.bd

Hon'ble State Minister for Power, Energy and Mineral Resources Nasrul Hamid, MP, handed over a letter of thanks to the Chief Executive Officer of NWPGL for successfully organizing the inauguration program of Payra 1320 MW Thermal Power Plant (A JVC of NWPGL & CMC)

NWPGCL'S ACTIVITIES AND PERFORMANCE

The Board Activities

The Board of Directors, collectively, is the supreme authority in the Company's affairs between Members' meetings. They owe a duty to the shareholders and exercise care, skill and diligence in discharging their responsibilities and in exercising the powers vested in them. The key purpose of the Board of Directors of North-West Power Generation Company Ltd. is to ensure the company's robust growth by collectively directing the company's affairs, whilst meeting the appropriate interests of its shareholders and other stakeholders. In addition to business and financial issues, the Board deals with challenges and issues relating to corporate governance, corporate social responsibility and corporate ethics and ensures that its organization and operation are, at all times, in correct and appropriate order. The Board is, among other things, responsible for setting business objectives, strategies and business plans, formulating risk policies, confirming key aspects of the Company's internal organization and making decisions on the establishment of different projects throughout the country. All these responsibilities and duties are done through fruitful Board Meetings.

Board meeting is a meeting of the Company's Board of Directors, held usually at certain times of the year to discuss Company-wide policies or issues. The Board of Directors determines the overall business strategy of the Company. During the financial year 2021-22, there were 12 (Twelve) meetings of the Board. The attendance by each director at the Board Meeting is being maintained by the Company Secretariat accordingly. The progress and growth of the Company is highly dependent on decisions that are taken in Board Meetings.



Board Meeting



**Hon'ble Chairman of the Board receives new Board Director
Engr. Kamruzzaman Khan, Director (Operations and Mines), Petrobangla**

Management Activities

The Managing Director, as directed by the Board of Directors, is the Chief Executive Officer (CEO) of the Company. In terms of the financial, business and administrative authorities vested upon him by the Board, the Managing Director discharges his own responsibilities. He remains accountable for achievement of financial and other business targets by means of business plan, efficient implementation thereof and prudent administrative and financial management. He also ensures that Company's accounts and finances conform to applicable laws and accepted standards. Therefore, being empowered by the Board, the Managing Director leads the Management consisting of the executives of the Company. Management enjoys absolute power in running the organization in respect of running power plants, completing projects, financial implications, recruitment, posting and promotion of manpower in accordance with company bylaws & regulatory guidelines. The Management also arranges Co-ordination Meeting monthly, where the authority reviews, verifies progress and daily works to ensure the achievements against set targets.



Monthly Co-ordination Meeting

Hon'ble Power Secretary pays floral tributes at Father of the Nation's grave and visits Madhumati Power Plant



Secretary, Power Division Placing wreaths at the grave of the Father of the Nation on way to Modhumati Power Plant



Honorable Secretary, Power Division is being greeted by NWPGCL Official at Madhumati 100 MW power plant



Honorable Secretary, Power Division at Madhumati 100 MW power plant

**Hon'ble Board Director and CEO's visit to
Rupsha 800 MW CCPP Project**



Hon'ble CEO's visit to Rupsha 800 MW CCPP Project



Hon'ble CEO's visit to Khulna 225 MW CCPP



15th Anniversary of NWPGCL



Doa Mahfil on the occasion of 15 years anniversary of NWPGCL

Innovation Competition Prize Distribution Program

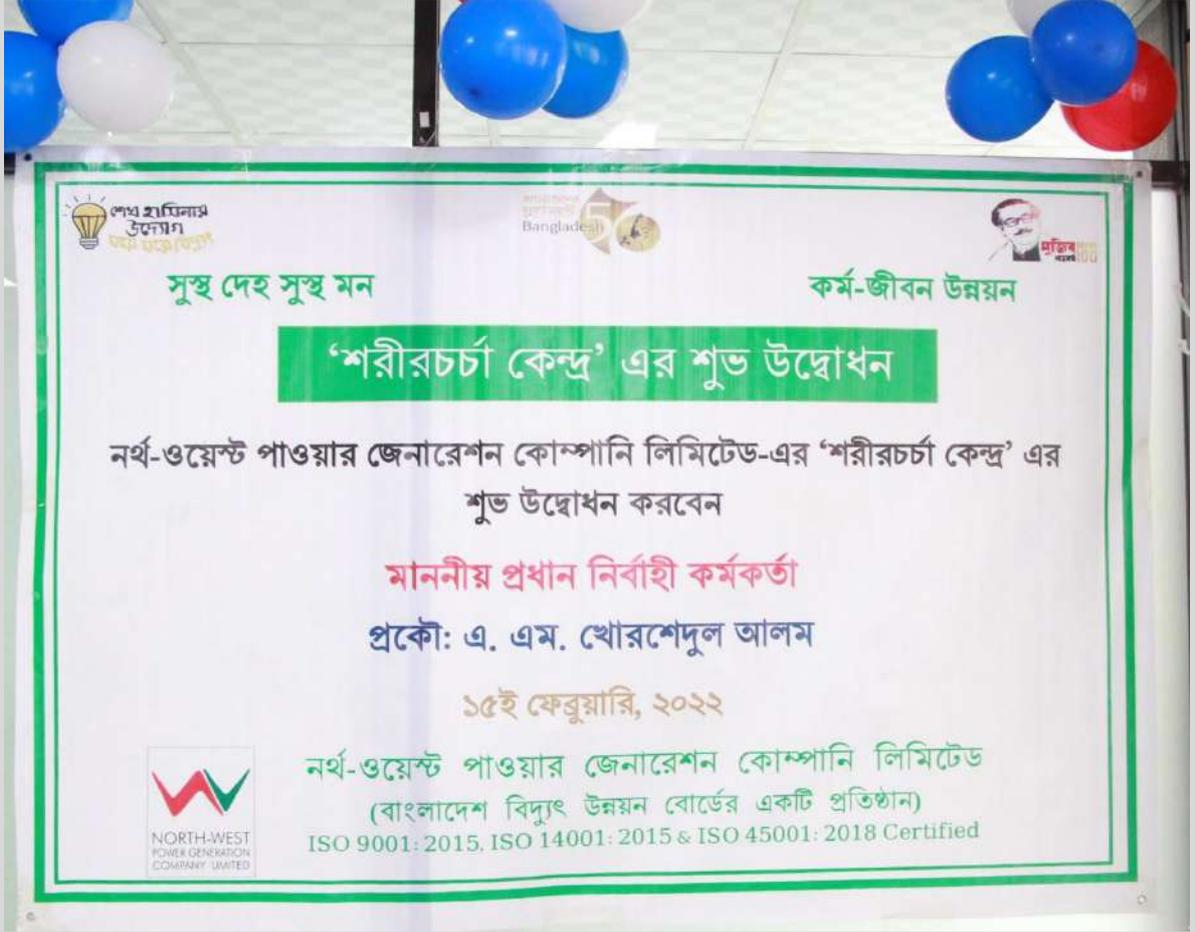
Chief Executive Officer of North-West Power Generation Company Ltd. Engr. A.M. Khurshedul Alam distributed prizes for the Innovation Competition organized on the birth centenary of Father of the Nation Bangabandhu Sheikh Mujibur Rahman on March 10, 2022 in the Board Room of the Company, Corporate Office, Dhaka.

1st Prize



Company's Chief Executive Officer Engr. A.M. Khurshedul Alam is handing over 1st Prize for innovation competition to Team Leader Engr. Muhammad Saifuddin Ahsan

Gymnasium Inauguration



NWPGCL inaugurated Gymnasium at Corporate Office for the good health of employees

National Environment Award-2022



Plant Manager, Madhumati 100 MW of Power Plant
receives National Environment Award-2022

Fire drill

Photos of the fire drill held at the corporate office



Photos of fire-fighting drills held at Sirajganj Power Plant



Photos of the fire-Drill held at the Khulna 225 CCPP Power Plant



Photos of the fire drill held at the Bheramara 410 MW CCPP power plant

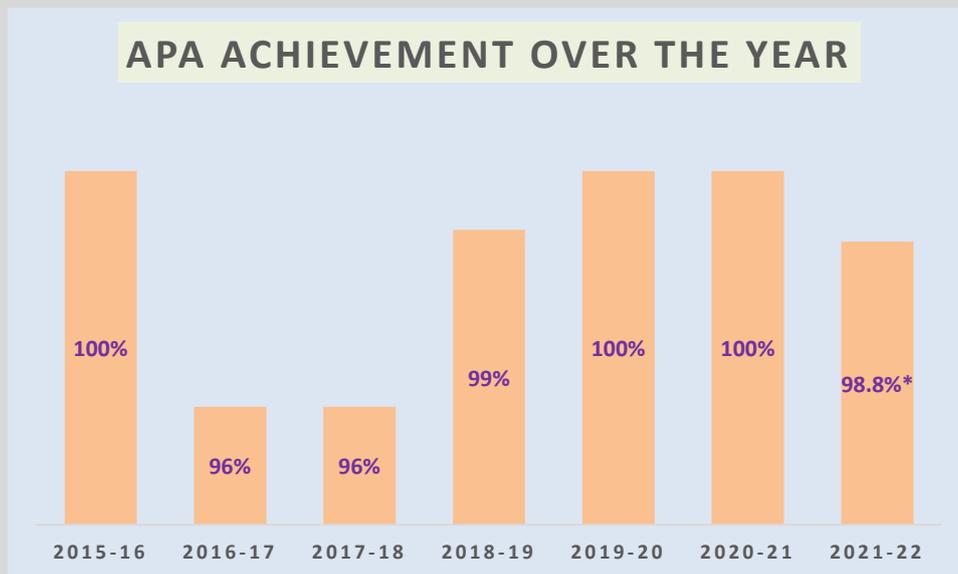


Photos of the fire drill held at the Madhumati 100 MW power plant



Annual Performance Agreement (APA)

The government (Power Division) has set performance targets as an effective measurement tool for monitoring and regulating business practices, technical standards, cost control, optimum plant availability to ensure reliable supply by power of the Company. The APA achievement of NWPGL for strategic objectives over the recent years is given below:



*Self-assessment

**Human Resource
Management
(HRM) &
Administration**

Human Resource Management (HRM) is a part of management process which develops and manages the human element of the enterprise considering their resourcefulness in terms of knowledge, skills, abilities, talents, aptitudes and potentialities for effectively contributing to the achievement of organizational objectives. It is the strategic and coherent approach to the management of an organization’s most valued assets – “THE PEOPLE”. This is a process by which an organization ensures that it has the right number and kinds of people at the right place at the right time to do the job effectively and efficiently. The Human Resource & Administration Division of this organization is responsible for managing, assisting and dealing with all employee related matters including functions such as recruitment process, new employee orientation, training and development, policy administration, employee benefits, motivation, work life balance, employee relations and labor laws, conflict management, personnel records retention and employee support programs. The Human Resource & Administration Division works closely with other departments to cooperate and respond to their needs. The diagram is drawn below are the functions performed by the Human Resource and Administration Division of North-West Power Generation Company Limited as per the approved rules, regulations, policies under the supervision of the top management:



HR Vision

To promote excellence among employees by delivering innovative HR programs and strategies to accomplish the company's goals.

HR Objectives

- Recruit and retain talented people.
- Offer industry wise competitive compensation package to attract and retain employees.
- Enrich talent with professional expertise and career development opportunities through training and development programs.
- Encourage innovation, creativity and flexibility necessary to enhance employee competitiveness.
- Performance based Management.
- Manage and utilize people effectively and efficiently.
- Develop competencies to enhance individual and company's performance.

The Company takes pride in its highly motivated and competent human resources who contribute their best to bring the Company to its present heights. It has a well-diversified pool of human resources, which is composed of personnel with high academic background. It intends to re-shape and upgrade its Human Resources so that they become more effective and efficient. Moreover, positive demographic characteristics are also prevailed as Most employees are comparatively young in age, but matured in experience. The overall employee relations are peaceful and harmonious.

Manpower Statistics as on 30th June 2022

Revenue Set-Up of the Corporate Office & Power Plants

SL NO	DESIGNATION	SET-UP	WORKING	VACANT
Officers				
1	Chief Executive Officer	1	1	0
2	Executive Director (Engineering)	1	1	0
3	Executive Director (P&D)	1	0	1
4	Executive Director (Fin)	1	1	0
5	Chief Engineer	4	4	0
6	General Manager (HR & Admin)	1	1	0

7	General Manager (Acc. & Fin.)	1	1	0
8	Company Secretary	1	1	0
9	Superintending Engineer	10	10	0
10	Deputy General Manager (HR)	1	1	0
11	Deputy General Manager (Acc./Fin/Aud.)	3	2	1
12	Deputy General Manager (ICT/MIS)	1	0	1
13	Executive Engineer	37	37	0
14	Manager (HR/Admin/Training)	6	4	2
15	Manager (Acc./Fin/Aud.)	7	6	0
16	Manager (Board)	1	0	1
17	Manager (ICT/MIS)	2	1	1
18	Manager (EH&S)	1	1	0
19	Manager (Chemical)	4	1	3
20	Manager (Security)	1	0	1
21	Senior Medical Officer	1	0	1
22	Sub-Divisional Engineer	58	58	0
23	Deputy Manager (HR & Admin)	9	9	0
24	Deputy Manager (Acc./Fin/Aud.)	9	9	0
25	Deputy Manager (ICT/MIS)	3	3	0
26	Deputy Manager (EH&S)	2	2	0
27	Deputy Manager (Chemical)	3	3	0
28	Deputy Manager (Legal)	1	1	0
29	Senior Security Officer	1	1	0
30	Assistant Engineer	79	76	3
31	Assistant Manager (HR & Admin)	10	7	3
32	Assistant Manager (Acc./Fin/Aud.)	14	10	4
33	Assistant Manager (ICT/MIS)	4	4	0
34	Assistant Manager (EH&S)	4	1	3
35	Assistant Manager (Chemical)	2	1	1

36	Medical Officer	2	2	0
37	Security Officer	2	2	0
38	Assistant Architect	1	0	1
39	Assistant Manager (PRO)	1	1	0
40	Sub-Assistant Engineer	104	100	4
41	Junior Assistant Manager (HR/Ad.)	10	6	3
42	Junior Assistant Manager (Acc./Fin/Aud.)	9	7	3
43	Junior Assistant Manager (ICT/MIS)	5	3	2
44	Junior Assistant Manager (EH&S)	2	2	0
45	Junior Assistant Manager (Chemical)	17	17	0
46	Assistant Security Officer	4	3	1
47	PS to CEO	1	1	0
Total Officer		443	402	41
Staffs				
SL NO	DESIGNATION	SET-UP	WORKING	VACANT
48	Foreman	21	15	6
49	Medical Assistant	5	3	2
50	Crane Operator	4	3	1
51	Security Supervisor	13	13	0
52	Office Assistant	56	47	9
53	Account Assistant	12	8	4
54	Technician (Chemical)	24	24	0
55	Welder	8	6	2
56	Technician (Electrical)	13	12	1
57	Technician (Mechanical)	23	20	3
58	Technician (I&C)	10	10	0
59	Driver	77	78	-1
60	caretaker	3	2	1
61	Cook	4	3	1

62	Work Assistant	137	46	91
63	Plumber	2	2	0
64	Power House Cleaner	13	3	10
65	Helper	12	33	-21
66	Cook Helper	4	3	1
67	Office Support Staff	89	52	37
68	Security Guard	82	64	18
69	Bearer	2	1	1
70	Gardener	7	5	2
67	Office Support Staff	89	52	37
Total Staff		634	456	178
Grand Total		1077	858	219

Manpower Summary

SL No	Employee Type	Numbers
01	Officers	402
02	Staffs	456
Total		858

Recruitment

Human Resource Division plays the main role in case of recruitment. The objectives of recruitment of NWPGL are to provide the company with quality and necessary human resources to ensure health, survival, growth and effective operation of the company through a transparent recruitment system.

Recruitment is carried out most efficiently and effectively in this organization. Emphasis is given to the development of team work. Therefore, special care is being taken to recruit an employee having appropriate qualities and aptitude. No discrimination is made in respect of sex, caste, creed, locality etc. while recruiting in the company.

NWPGL maintains strict screening process to identify the most suitable candidate for the company. This screening processes are carried out through the following stages for all categories of employees of the company. These are (i) Screening of eligible applications (ii) Screening through written test (iii) Screening through viva voce and interview and (iv) Medical check-up.

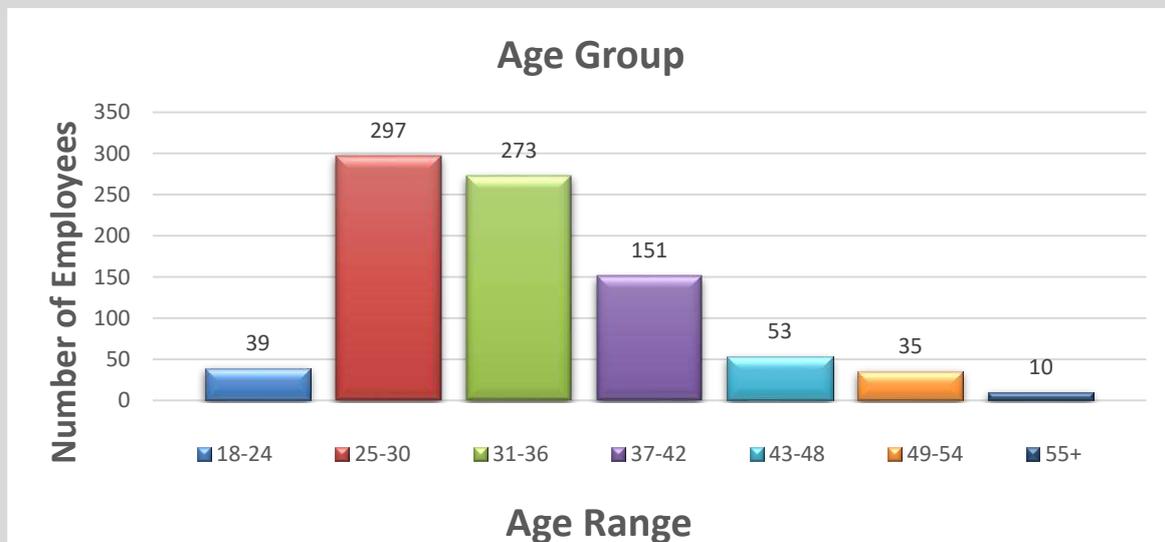
In 2021-2022, NWPGL recruited employees mostly for the entry level posts against vacancy. Total 42 (Forty Two) employees (42 Officers and 12 Staffs) were recruited during this period.

Promotion Policy

North-West Power Generation Company Limited Follows Promotion Schedule which is the part of its service rules. The main objective of promotion policy of the company is to ensure competent personnel and to create an internal environment for high morale and good performance of employees that ensure a sense of belongingness among the employees. Promotion is made keeping the long-term organizational and individual goal in view. Promotion is administered against vacancy with due consideration to the terms and conditions envisaged in the service rules. The company develops the employees with talent and high potentials for the higher and leading posts through success planning process. Therefore, promotion to the higher posts in the Company is given on the basis of merit and performance instead of seniority. In this case merit shall be determined through exam /interview or both. Promotion of all employees is subject to the fulfilment of required period of service as stipulated in the schedule of Recruitment and Promotion and the rating of performance appraisal.

Demographic Statistics of Employees

Demographic diversification of employees in NWPGL is illustrated as follows:



Employee Relations

NWPGCL maintains strong employee relations regarding company's efforts to manage relationships between employers and employees. The company with a good employee relations program provides fair and consistent treatment to all employees, so that they will be committed to their jobs and loyal to the company. It describes the company's philosophy, rules, and procedures for addressing employee-related matters and resolving problems in the workplace. As a commitment towards the Company's core values, employees' participation in management is effective based on mutual respect, trust and a feeling of being a progressive partner in growth and success. Both employees and management complement each other's efforts in furthering the interest of the Company as well as its stakeholders, signifying and highlighting overall harmony and cordial employee relations prevailing in the Company.

Training and Development

Training is a hallmark of good management. There is no better way to improve employee performance and increase productivity than through training. To maximize the competencies and effectiveness of an employee, training is an indispensable way to keep an organization's development. North-West Power Generation Company Ltd. (NWPGCL) always considers training as a dominant factor to enrich the skills, knowledge, efficiencies of the employees. NWPGCL is committed to fact that that all employees have access to learning, development and training opportunities which enable them to be suitably knowledgeable and skilled to carry out their role efficiently. NWPGCL helps employees develop their talents in ways that fit with the Company's development to meet its strategic objectives. Employees are trained based on their requirements through training needs analysis. Therefore, investments in employee training and development will always be a priority keeping in mind the necessity of the business as well as the employees' individual needs. This organization always recognizes the contributions of all employees towards achieving its goals. NWPGCL aims to ensure that- Each employee understands what his or her work role involves. Each employee is developed as appropriate, to enable them to achieve their work objectives. Employees are prepared and equipped to deal with changes & challenges of the Company.

Keeping this view in mind, and recognizing the significance and importance of training for professional excellence, the company has introduced on-the-job training and off-the-job training methods, and has poured its all possible efforts to extract the best services from its people. In line with its objective of being a learning organization, the company has continuously promoted training and development of its own employees. Though the company does not have its own training center, it has a well-equipped training room for organizing in-house training courses. Internal training courses are conducted as per yearly training schedule. Besides it imparts training through Bangladesh Power Management Institute (BPMI), NAPD, BIAM foundation, BIM, IEB and so on. Moreover, overseas training is also arranged for the technical employees for proper operation and maintenance of the power plants and for other employees for development of the management skills. During 2021-2022, the Company organized in-house training programs in power and

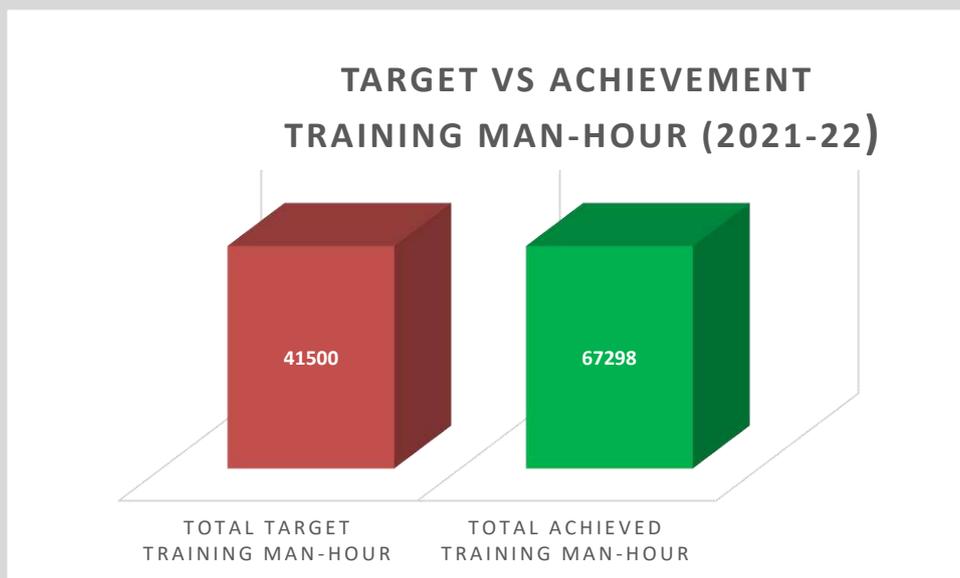
energy related areas and successfully achieved the target of giving 50 man-hour training of its employee in the FY 2021-22.

The COVID-19 pandemic and global lockdown represent an unprecedented challenge for skills development program throughout the country. It has been a crisis of a completely different magnitude. Albeit COVID-19 pandemic, NWPGL achieved its mandatory training target by arranging numerous skill development programs on digital platform. Most of the training programs had been shifted to virtual sessions during last FY. These Online Training Programs was organized to meet up the skill gap and fulfilling the targeted hours of training of employees. NWPGL training department has already planned training calendar for the FY 2022-23 emphasizing both on online and offline training programs for giving 60 man-hours training to each of its employee.

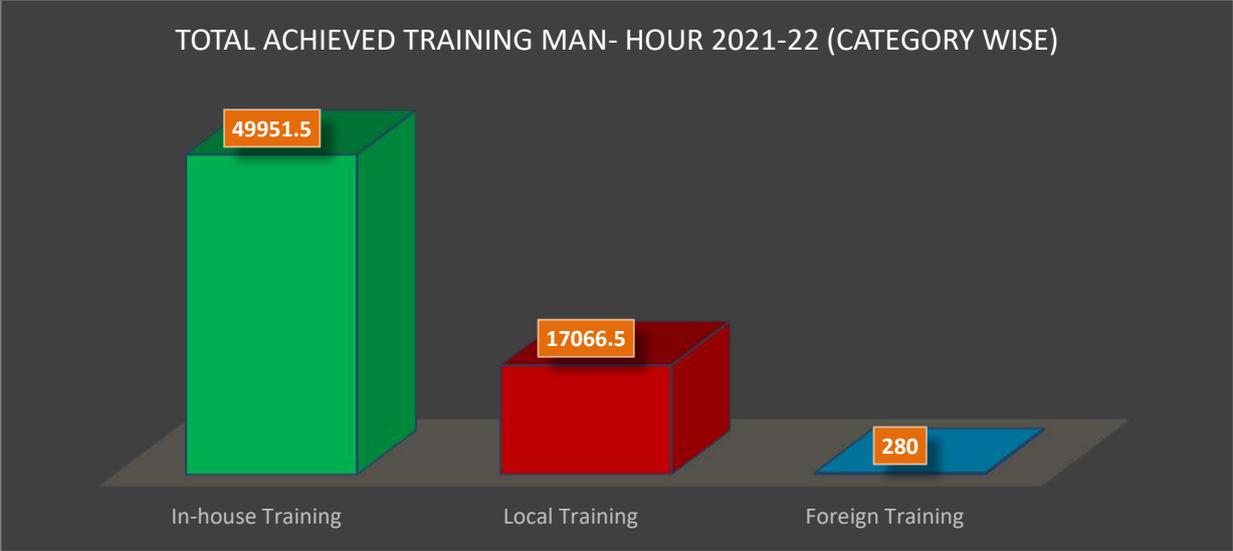
In the FY 2021-2022, the target and achievement in training of the Company was as below:

SL No.	Particulars	Target	Achievement	Achievement in %
01	Per employee Training Target	50 Man-hour	81 Man-hour	162%

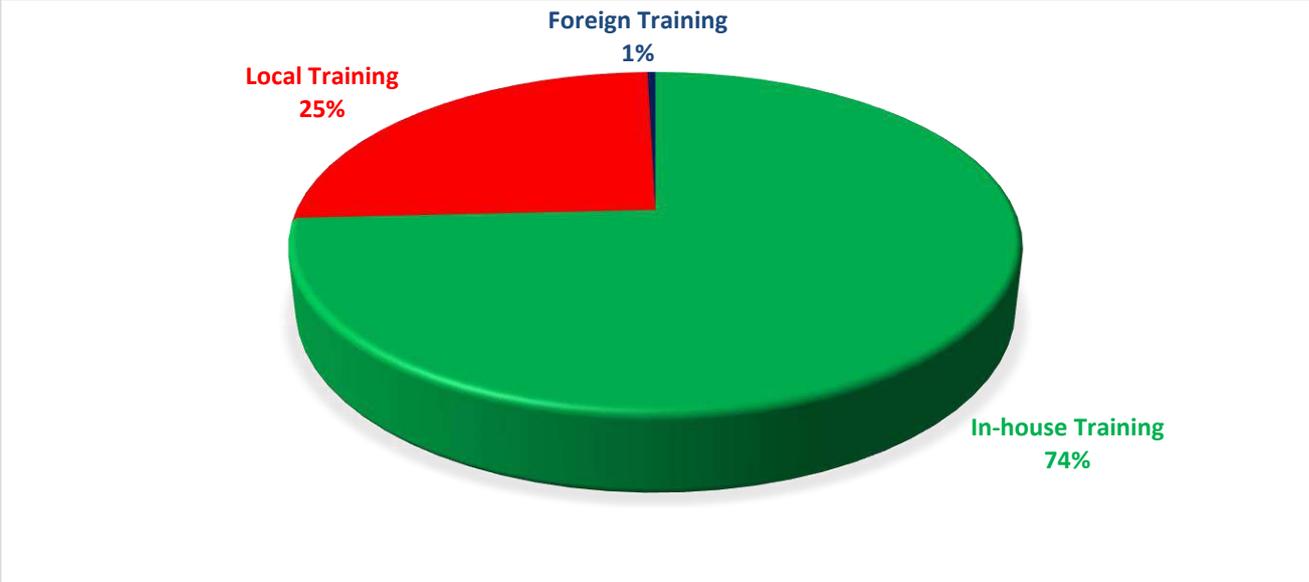
Graphical Representation of Fiscal Year 2021-22 Training Status



Graph-1: Target & Achievement of Training Man-Hour of Fiscal Year 2021-22

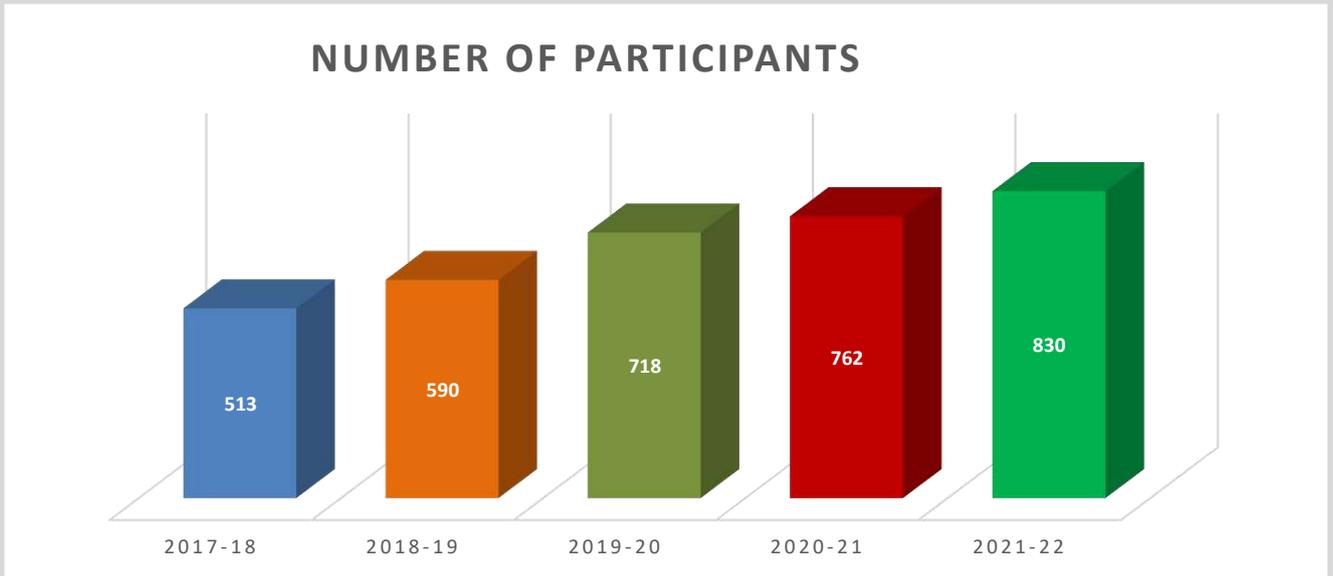


Graph-2: Training Summary 2021-22

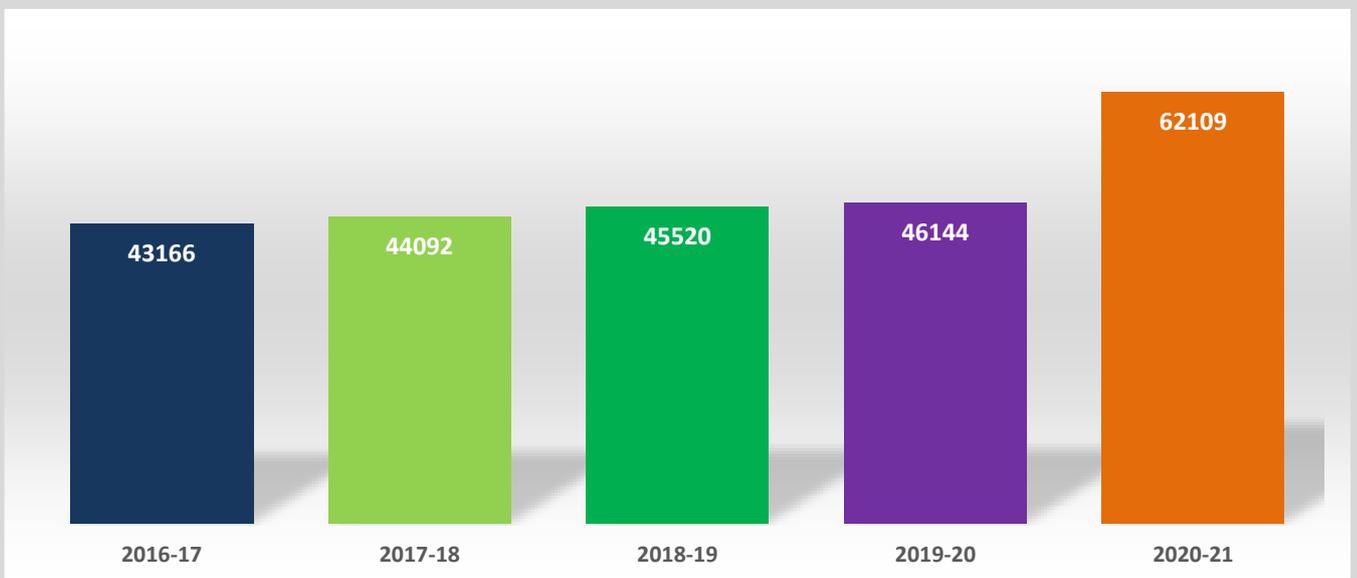


Graph-3: Category wise Training Summary 2021-22 (in percentage)

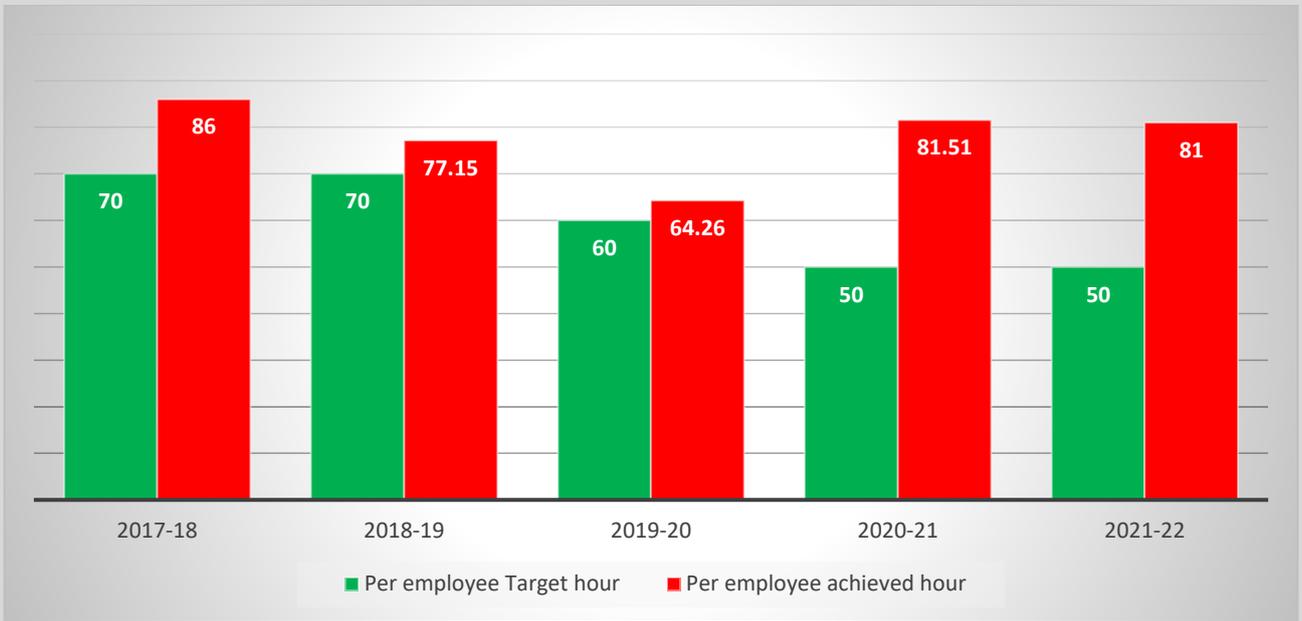
Graphical Representation of Last 05 Fiscal Year Training Status of NWPGL:



Graph-4: Number of Training Participants for the last 05 (Five) Years



Graph-5: Achievement of Training Man-Hour for last 05 (Five) Years



Graph-6: Target & Achievement of per employee training hour for last 05 (five) Fiscal Years



Public Procurement Management Training Certificate Distribution Program



Gender Awareness Training



Training on 4th IR

Right to Information

Under the 'Right to Information Act, 2009' and the 'Right to Information Rules 2010', the Company has given responsibility to several designated officers for giving information sought by people. But none or no organization has sought any information from the Company during the FY 2021-2022. In addition, based on Information Act, 2009 the Company prepared 'Self Motivated Information Guide and Catalogue 2021-22' and uploaded the guide to Company website.

Company Secretariat is responsible for delivering information to common people as well as to Government offices. Besides, Company Secretariat arranged 3 (three) workshops in th FY 2021-2022 under the guidance of Company Secretary to make people aware about the Right to Information Act, 2009 and its implications. The workshops were praised by all. Many stakeholders commented that now they know about their information rights. Company Secretariat is constantly working to make sure that everyone is getting proper and authentic information from the Company.



Online Workshop on creating awareness about the Right to Information Act, 2009

Key Point Installation (KPI) of NWPGCL

Any concentrated sites or installations (Determined by the Ministry of Home Affairs) those are vital in terms of war capacity or economic strength of a country and the destruction or capture of which would seriously affect the war effort or the economy is called Key Point Installation (KPI). North-West Power Generation Company Limited has the following types of KPI:

Name of KPI	Sirajganj Cycle Power Plant (Unit-1,2,3)	Combined Plant	Bheramara 410 MW Combined Cycle Power Plan	Khulna 225 MW Combined Cycle Power Plant	Madhumati 100 MW HFO Based Power Plant
Category of KPI	1 (Ka)		1 (Ka)	1(Kha)	1(Kha)

Welfare activities

The company recognizes the importance of welfare activities for employees from welfare fund. For the welfare of employees, a trustee board has been formed for taking necessary actions. The board is responsible for the decision considering the incidents. Employees are compensated for serious diseases (Cancer, Paralysis etc.) & for operations. This fund has been incorporated for the financial support in case of employees' long-term sufferings of the above said diseases.

Insurance coverage

North-West Power Generation Company Ltd has introduced Group Term Life Insurance as Fringe benefits for the employees. In order to introduce the facilities a contract was signed between NWPGCL and Delta Life Insurance Company Ltd. for covering Group Term Life Insurance. In this coverage an employee will be compensated by 50 (fifty) times of his/her basic salary (but not exceeding BDT 50 Lac) in case of death & in case of accidental deaths he/she has been given hundred (100) basic equal to his/her salary. Along with it also covers Permanent and Total Disability (PTD) & Permanent and Partial Disability (PPD) which is added in the contract so that the wide range of employees can get benefits from the coverage for their disabilities. This insurance policy can be beneficial for the victims' family.

Corporate Social Responsibilities

NWPGCL is committed to CSR principles by implementing the activities related to SDG & by maintaining superior alignment to environment and its stakeholders.

Our initiative to continual improvement of the country by complementing the Bangladesh government's efforts is to achieve the national goals in support of the United Nations' Sustainable Development Goals (SDGs). Our CSR Activities impact 10 of the 17 SDGs, as illustrated below:

Contributing in Poverty Alleviation and Zero Hunger

Present pandemic out-break of COVID-19, NWPGCL has played a crucial role by standing beside the government to fight against COVID-19. As well as company supports the poor and jobless people for surviving in COVID-19 Situation. NWPGCL has contributed 2,00,00,000 tk BDT to the "Honorable Prime Minister's Relief and Welfare Fund" for preventing Corona Virus (COVID-19).

At the time of general vacation (Lockdown) for preventing COVID-19, NWPGCL stands besides the poor and jobless people. NWPGCL has distributed humanitarian relief assistance to the total numbers of 5550 poor and jobless families for surviving COVID-19 Situation.

Good Health and Well-being

NWPGCL is always concerned to public health. The company is providing continuous medical support for the adjacent inhabitants of Sirajganj Power Station. The Company donated to build medical centre for the students of khulna B. L. College. The birth centenary of Bangabandhu Sheikh Mujibur Rahman, NWPGCL has give fund for medicines in special medical camp for ensuring better fitness in Sirajganj Power plant's workers.

In this pandemic of COVID-19, NWPGCL has donated Testing Kits and High-Flow Nasal Cannula to the Government for the treatment of corona affected people of Bangladesh. Creating more awareness and ensuring safety from Corona Virus, masks are distributed to local habitant on the occasion of Victory Day-2021. Moreover, NWPGCL helps the ailing, helpless employees of Power Division, BPDB and other organization time to time. NWPGCL has also contribute to install machineries in Badhon Transfusion Centre which is an initiative of Badhon Foundation.

Quality Education & Skill Development

To ensure inclusive and equitable quality education and promote lifelong learning opportunities for all the Company organized First Batch and Second Batch ‘Regular Electrician Course’ at the Power Plants (Sirajganj, Bheramara and Khulna) under the program for Developing Skilled Manpower in the field of electrical work profession.

Beside this, in the occasion of Dhaka University centennial celebration, glorious 50 years of Accounting Department of Chittagong University and 124th years of Pigna High School, NWPGL also take part in ravishing event by providing funds. For participating University Rover Challenge (URC) 2022 in USA “Team Interplanetar” of BUET has been provided remarkable support by NWPGL. Also contributed to Rajshahi University and Bangladesh University of Engineering and Technology (BUET) for arranging conference on “Data Science and SDGs: Challenges, Opportunities and Realities” and 13th “International Conference on Mechanical Engineering (ICME, 2019) and Exhibition”

Gender Equality & Women Empowerment

To achieve gender equality and empower all women and girls NWPGL focuses operational women working force. And for that the company provide Sewing Machine to the poor and jobless women inhabitants of closest area of our power plants. Computer and technological proficiency are most vital factor for women empowerment, become up to date in recent time. For increasing computer proficiency, sufficient amount of Computers and furniture setup for computer lab in Lutfor Rahman Motin Mohila degree College.

Clean Water and Sanitation

NWPGL donated to build women washroom at Soydabad High School closest to Sirajganj Power Station.

Affordable and Clean Energy

NWPGL's mission is to become the recognized leader in innovative and sustainable as well as engineered and customer-focused solutions in power generation. And for that to ensure access to affordable, reliable, sustainable and modern energy for all the company focusing on increasing substantially the share of renewable energy. To promote investment in energy infrastructure and clean energy technology NWPGL is going to establish solar power plant at sirajganj and Pabna. In order to encroachment the acquisitioned land for Pabna 60 MW Solar Power Plant, Company compensated the landless people for land acquisition to from its CSR fund.

Sustainable Cities and Communities

To ensure access for all to adequate, safe and affordable housing and basic services NWPGL allotted house to the affected person for land acquisition under Payra Thermal Power Plant Resettlement Program.

Contribution to Environmental & Socio-Economic Development

To strengthen resilience and adaptive capacity to climate-related hazards and natural disasters NWPGL focuses on the socio-economic and environmental sustainability of agriculture and also other environmental issues. Every year NWPGL spends a notable amount from the CSR funds for tree plantation. Also NWPGL distributes relief to the flood affected people to adapt with the disasters.

Besides these above mentioned CSR activities NWPGL spends its CSR funds to various Socio-Economic Development activities (such as to arrange Ethnic Public Festival like Saraswati Puja and fair at Mymensingh; Annual meeting-2022 of Bangladesh Administrative service Association, provide blanket to cold helpless people arranged by BUET Alumni, National Rabindra Sangeet Conference Council at Sirajganj; ``Annual Sports Day-2020" at Khulna Newsprint Mills Secondary School; and various development activities for the people and society) and Scouting Activities (to implement 'National CAB Campury' and National Scout Jambury).

CSR Activities during Covid-19

Present pandemic out-break of COVID-19, NWPGL shows a crucial role by standing beside the government to fight against COVID-19. As well as company supports the poor and jobless people for surviving in COVID-19 Situation. NWPGL has contributed 02 (two) crores BDT to the "Honorable Prime Minister's Relief and Welfare Fund" for preventing Corona Virus (COVID-19). The Company also donated COVID-19 testing kits to IEDCR, a good numbers of High Flow Nasal Cannula to the Govt. Hospitals, masks to the local habitant, creating awareness from its CSR fund. At the time of general vacation (Lockdown) for preventing COVID-19, NWPGL stands besides the poor and jobless people.

**Some auspicious
moments of CSR
activities of
NWPGCL**

Relief distribution on the Occasion of 15 August National Mourning Day

Relief distribution from Khulna 225 MW Combined Cycle Power
Plant on the Occasion of 15 August National Mourning Day



Relief distribution from Bheramara 410 MW Combined Cycle Power Plant on the Occasion of 15 August National Mourning Day



Relief Distribution by Modhumati 100 MW Power Plant on the Occasion of 15 August National Mourning Day





Mr. Abu Naser, Honorable Director, NWPGL distributes relief among poor and helpless people of Kalihati, Tangail on behalf of the Company



Relief distribution at Kalihati, Tangail

Other CSR Activities of NWPGCL



NWPGCL arranged Computers and furniture setup for computer lab in Lutfor Rahman Motin Mohila degree College. Md. Abu Naser Hon'ble Director, NWPGCL inaugurated the Lab on 24th March 2022



Handover of cheque from Sirajganj Power Station under CSR activities of the company for renovation of mosque washroom and ablution room on 9th March 2022

Information System and Technology

The Company uses the latest Information Systems and Technology to enhance its business performance and improve the operational excellence. The Company has in place state-of-the-art IT infrastructure and implements effective IT policies, supported by tools. It has been continuously improving to meet even growing business needs. To enhance the employees' efficiency and business productivity, collaborative solutions have been implemented. The Company successfully implemented unified ERP system under power division for four modules namely Finance, HR, Fixed Asset, Procurement, which improves performance of the business through information sharing and integration. In addition, power plant management module, inventory module, training management module will be implemented soon.

New technological advances and new market forces are creating a new economy. The new economy is based on the Fourth Industrial Revolution and the management of information. The world is becoming a digital planet. Bangladesh cannot remain out of it. We must build a Digital Bangladesh and establish a knowledge-based society. We must work for this achievement. Bangladesh Government envisages that Bangladesh will attain a trajectory of high performing growth supported by advanced and innovative technology. ICT (Information and Communication Technology) will, by that time, lead us to new paths of excellence giving the country a new identity to be branded as Digital Bangladesh.

In consonance with **ICT Policy 2018** and advancing technologies Fourth Industrial Revolution, the Company intends to introduce and re-shape its on-going and up-coming activities. In the mean-time, the Company resumes ICT in its multifarious activities in the light of Government development philosophy and socio-economic goals. They are as follows:

S/L No	Name of the Program	Implementation Period
1.	Electronic Attendance System	2012
2.	Video Conference System	2012
3.	Store Management Software for Sirajganj 225 MW Power Plant/Khulna 225 MW Power Plant	2013-2014
4.	IP Surveillance System for Sirajganj/khulna 225 MW Power Plant/Bheramara 410 MW CCPP	2014
5.	Implementation of E-tendering	2015
6.	Implementation of Online Recruitment System	2016
7.	e-filing	2017
8.	Remote Monitoring and Performance Analyzer of Power Plants	2019
9.	Grievance Redress System	2019
10.	Enterprise Resource Planning (ERP)- Microsoft Dynamics Nav	2019
11.	Inclusion in National portal	2019
12.	Stationery Requisition System	2019
13.	Contributory Provident Fund Management Software	2021
14.	Task Management Software for Procurement	2021
15.	Gratuity Fund Management Software	On going
16.	Paperless Office	On going

ADDITIONAL CORPORATE INFORMATION

Technology

The Company is using wide range of technologies such as combined cycle power plants, coal-fired ultra-super critical power plant, reciprocating engine-based and solar PV plants, etc. State-of the art technologies have been used in all power plants. Six combined cycle power plants owned by NWPGCL are designed on dual fuel; natural gas as primary fuel and liquid fuel as secondary/back-up fuel; to increase reliability of the plants through flexible fuel operation.

Ultra-supercritical boilers are also a focus area for the Company, with the objective of increasing the steam parameters and ultimately improving efficiency. By using ultra-supercritical boilers, NWPGCL is generating 1244 MW electricity at Payra 1320 MW TPP (Phase-1) and the construction of Payra 1320 MW TPP (Phase-2) is going on. These power plants are equipped with modern environment friendly technology such as Flue Gas Desulfurizer (FGD), Low NOx burner, Electrostatic Precipitator (ESP), etc. for reducing emissions like SOx, NOx, Particulate Matter, etc.

With Renewable Energy gaining more and more importance in modern times all over the world, NWPGCL aims at exploring the potential of this sector for power generation purposes. The Company has already built a Solar Photovoltaic Grid Connected Power Plant and a number of similar projects have also been undertaken. Potential of Wind Energy for power generation purposes is also being explored. Besides, other non-conventional sources of energy with potential of power generation are being explored.

Research and Development

One of the missions of NWPGCL is to be an innovative and technology-driven organization. Therefore, any innovative thinking is always welcome in the working culture of this Company. The employees of the Company are free to share their insights about the use of new technologies and methods or to modify existing systems in order to increase the efficiency and reliability of electricity production. The Research & Development under the Planning & Design Division is primarily focused on the following activities:

A. Innovation Activities

- Under the guidance of the Power Division, NWPGCL and its field offices are continuously engaged in different innovation activities in order to ensure continuous improvement of operational performance. A central database has been formed enlisting all the innovation activities under the banner of NWPGCL (<http://nwpzgl.portal.gov.bd/site/page/e33895f5-4a55-4ad4-9638-0ecc9528b867>)

B. Research Related

- The R&D team of the Planning and Design Division of NWPGL are engaged in different research activities on equipment and machinery related to power generation, in collaborating with various reputed universities and research organizations.

C. Climate Change Adaptation and Mitigation Related

- Another focus area of R&D is to conduct different studies and research on incorporating various environment friendly technologies to the existing and future power plants based on fossil fuels such as, carbon capture and storage (CCS), ensuring zero emission, zero liquid discharge, Selective Catalytic Reduction (SCR), etc. NWPGL is also actively investigating the feasibility of replacing fossil fuel with Hydrogen for power generation. In order to reduce GHG emissions and achieve Nationally Determined Contributions, the government of Bangladesh is planning to implement Hydrogen co-firing in gas based and ammonia co-firing in coal based power generation facilities. NWPGL is also carrying on research activities and cost-benefit analysis to implement the same.

D. Renewable Energy Related

- Wide range of renewable applications is one of the main objectives of research & development of NWPGL which is managed by conducting study on the applicability and feasibility of non-conventional sources of energy such as, geothermal, offshore wind, floating solar, ocean tide, biomass, etc.

E. Energy Efficiency and Conservation Related

- Conducting study on the various procedures for enhancing energy efficiency & conservation such as, optimization of fuel system, turbine blade upgrade, reduction of auxiliary consumption, reducing plant start-up time, decreasing energy losses in various auxiliary systems, etc.
- NWPGL has recently introduced energy auditing at its power plants in order to assess the overall pattern of energy consumption, energy inputs and production output, identifying potential areas of thermal and electrical energy economy, etc. NWPGL conducted energy audit in 4 (four) of its existing power plants in operation in the FY 2021-22. The Key Performance Indicators of the major energy consuming equipment of the power plants were measured and compared with baseline values to assess the present performance. Various no cost and low cost measures were also identified and implemented subsequently. NWPGL has

recently carried out unprecedented activities in this sector by formulating the Energy Audit Policy and Energy Audit Manual for the Company. A Central Energy Audit Committee comprising of Engineers from P&D and power plants was formed to carry on energy audit activities. The Company presently is equipped with 2 (two) SREDA Certified Energy Auditors who are contributing in energy audit activities of the Company. From FY 2022-23 onwards, the Company aims to conduct energy audit in all of its power plants with the objective of promoting energy efficiency and conservation in line with the government's target of achieving 20% reduction in primary energy consumption per GDP by 2030. The company is eying to ISO 50001 certification in near future.

F. Digitalization of process

- Under the research and development, NWPGCL is acquiring various application softwares and simulators for power plant design, operation, and maintenance.

G. Arranging Technical Training

- Under R&D, some specialized technical training on O&M of power plant, project management, 4th Industrial Revolution and their challenges, etc. are being arranged.

H. Process Standardization/Digitalization Related

- A power generating utility like NWPGCL has to prepare various documents during project formulation such as, Bidding Document, Request for Proposal, etc. In addition, various procedures are to be followed during O&M stage. Preparing standard format for such documents is also taken as a research and development related activity. In order to keep a track of on-going procurement activities, a software namely 'Task Management' has been implemented jointly by the Procurement Division and ICT (taskmapp.nwpgcl.gov.bd). It is presently being maintained to keep track of all procurement related activities conducted from the Corporate Office of NWPGCL. It has contributed a lot in ensuring digitization of procurement activities of the Company.

I. New Project Related

- There are a number of procedures that are to be followed during formulation of a new project such as, approval of line ministry, approval of other ministries, approval from ECNEC, etc. In addition, there are other requirements of license/approval/clearance from various other organizations such as, DoE, DoEXP, clearance from local government authority, etc. Preparing and maintaining/updating

a standard flow chart for these procedures is also a function of research and development wing.

J. Factory Acceptance/Equipment Testing Related:

- As a contractual requirement, before shipping of any major plant equipment, Engineers visit the factory of the manufacturer of the equipment to witness the testing procedures. Hence, preparing, maintaining and updating a standard testing procedure will ensure proper testing of the equipment and gradually decrease dependence on third party consultants. This is one of the major focus areas for R&D as well.

K. O&M Related

During O&M of a power plant, there are a number of issues which need continuous monitoring and evaluation for the proper functioning of the power plant. Some of the prime issues are:

- Understand and adhere to all Local, Corporate Safety and Environmental Policies;
- Plan, develop and implement test procedures to monitor GT, ST and all plant systems for their condition and performance;
- Ensure best use of the Plant performance software package. Generate report using performance software package on regular basis and analysis of generated data to guide operation team for better performance of plants;
- Analysis of generation report/MOD;
- Documentation of all generated report in both soft and hard copy on regular basis in a systematic method;
- Provide and maintain a technical and maintenance library which shall include maintenance and test procedures, instruction books, technical manuals and drawings for all plant equipment and systems;
- Periodic monitoring and analysis of all critical operating materials and fluids going in and out of plant;
- Study the requirement of any modification required for the better performance of the power plant;
- Carryout technical study and provide engineering decision for any proposed change of operation or maintenance procedure/ System;
- Establish and maintain complete equipment and systems maintenance and test history records;

Performing the above-stated activities and collaborating with other functional departments in carrying out those activities successfully is also a major R&D activity.

Recent Innovation Activities

The government of the Peoples' Republic of Bangladesh is committed to build innovation culture in public sector. With a view to achieving this goal, Innovation Committee in Corporate Office of North-West Power Generation Company Limited was formed in 2015-2016 according to the decision of cabinet division. According to the directives of power division innovation sub committees were formed in all power plants under NWPGL.

The committee is playing a vital role in developing innovation culture in NWPGL. Officials from the power plants and corporate office present their innovative idea in innovation committee meetings. The innovation committee reviews proposals for feedback, enhancements or modifications to those ideas.

NWPGL has been taking part in innovation showcasing arranged by Power Division every year. In 2018-2019, NWPGL took part in innovation showcasing with a concept named "Remote Monitoring and Power Plant Performance Analyzer" which was primarily a software tool developed to monitor and analyze different performance parameters of power plants under NWPGL. The idea has been selected for scale up and replication. Presently, NWPGL is working to develop a common interface for acquiring live data and different performance parameters from existing power plants of the Company.

In 2019-2020, NWPGL took two innovation ideas. Among those "Compost Fertilizer from Waste Management" was adopted and implemented by Bheramara 410 MW Combined Cycle Power Plant. Organic composite fertilizer is being produced from waste material in Bheramara 410 MW Combined Cycle Power Plant. Waste management has become smarter and respective power plant do not need to buy fertilizer from outside anymore.

Another innovation idea "Knowledge Based Problem Analysis and Solving" was adopted and is being implemented by Khulna 225 MW Combined Cycle Power Plant. Past incident, design modification, O&M procedure data have been captured in prescribed format and uploaded in common platform. All officers of Khulna 225 MW Combined Cycle Power Plant have access to the common platform. Presently, all incidents, design modification, O&M procedure related data are being uploaded in the common platform.

ISO Certification

North-West Power Generation Company Limited started implementation of Integrated Management System (IMS) from 1st September, 2015 and obtained certification on ISO 9001:2008 (Quality Management System), ISO 14001:2004 (Environmental Management System) & OHSAS 18001:2007 (Occupational Health & Safety Assessment System) standards in October, 2016. In 2018 NWPGL renewed current certification of ISO 9001 from 2008 to 2015 version, ISO 14001 from 2004 to 2015 version and achieved ISO 45001:2018 (Occupational Health & Safety Management System). Since ISO 45001:2018

was published in March 2018, NWPGL is therefore the first Bangladeshi organization to achieve this certificate.

Scope of Certification

Head Office	Corporate Management of Power Plants along with Human Resource Department and Procurement Division.
Sirajganj Power Station (Unit- 1,2 & 3)	Power Generation and Supply to the National Grid.
Khulna 225 MW CCPP	
Bheramara 410 MW CCPP	
Madhumati 100 MW HFO Based Power Plant	

IMS Policy

- To become an emerging power generation utility with a strong brand and reliability.
- To be an innovative and technology driven organization.
- To be a company that achieves excellence in service, quality, reliability, safety and customer care.

IMS Commitments

- To comply with all applicable legislations, regulations and other requirements related to power generation.
- To prevent pollution, injury and ill health.
- To improve our quality, environment, occupational health and safety, performance by setting objectives and targets continuously.

AUDIT & COMPLIANCE

Internal Audit & Control

The Company has robust internal systems and processes in place for smooth and efficient conduct of business and complies with relevant laws and regulations. A comprehensive delegation of power exists for smooth decision making which is being further reviewed to align it with changing business environment and speedier decision making. Elaborate guidelines for preparation of accounts are followed consistently for uniform compliance. In order to ensure that all checks and balances are in place and all internal control systems are in order, the Company's internal Audit Department conducts an exhaustive internal audit regularly to all the offices under the Company. The Audit Team raises observations relating to irregularities to develop the internal control system etc. Accordingly, the Auditee takes necessary action to settle the same. If the replies are not satisfactory, it is reported to the management immediately for action. Besides this, the Company's internal Audit Department plays a vital role in settlement of government audit objections. The Audit Department of the Company functionally reports to the Company's Audit & Finance Committee. The Company's Audit & Finance Committee guides the internal audit.

The Company has four Board committees viz. Administrative Affairs Committee, Legal Affairs Committee, Audit & Finance Committee, and Technical & Engineering Committee on management controls to keep a close watch on compliance with internal control systems.

Role of the Audit & Finance Committee

The Audit and Finance Committee's authorities, duties and responsibilities flow from the Board's oversight function. The major responsibilities of the Committee are delineated below.

1. Reviewing the quarterly, half-yearly and annual financial statements and other financial results of the Company and, upon its satisfaction of the review, the Committee recommends them to the Board for approval.
2. Reviewing the revised revenue budget, capital expenditure budget, and project development budget of the current year and proposed revenue budget, capital expenditure budget, and project development budget of the next year, the Committee recommends them to the Board for approval.
3. Monitoring and reviewing the adequacy and effectiveness of the Company's financial reporting process, internal control and risk management system.
4. Recommending to the Board the appointment, re-appointment or removal of external auditors.
5. Reviewing and monitoring the Company's ethical standards and procedures to ensure compliance with the regulatory and financial reporting requirements.

Dividend

The Company NWPGL paid cash dividend of BDT 600 million from its profit for the year ended 30 June 2021 which was 13.15% on the then paid-up capital amounting BDT 4,562.16 million.

Auditor's Report

The auditors, ACNABIN, Chartered Accounts have submitted the Audit Report for the FY 2020-2021. I, on behalf of the Board of Directors, request the Hon'ble Shareholders (Members) to receive and adopt the Auditor's Report.

The Annual Report-2021

The Company has prepared the Annual Report-2022. I, on behalf of the Board of Directors, request the honor of the Hon'ble Shareholders (Members) to receive and adopt the Annual Report-2022. Acknowledgement The Company also wishes to convey its grateful thanks to the Company's esteemed Shareholders (Members); and other associated officers and employees of the Company for their full support, hearty co-operation and relentless efforts throughout the Fiscal Year.

(Md. Habibur Rahman)
Chairman Board of Directors,
NWPGL
&
Secretary Power Division, MoPEMR.

ACHIEVEMENTS & AGREEMENTS

Major Achievements in FY 2021-22

SL No	Title of Achievement	Date
1.	Inauguration Ceremony of Payra 1320 MW Thermal Power Plant	21.03.2022
2.	Inauguration of Madhumati 100 MW HFO Based Power Plant	12.09.2021

Important Agreements & Contracts Signed in FY 2021-22

S/L	Name of Contract	By and between	Signing Date
1.	EPC contract signing of Sirajganj 68 MW Solar Park Project	North-West Power Generation Company Ltd. and Consortium of Paryocean (Asia Pacific) International Company Ltd. & Sinohydro Corporation Ltd., China	24.02.2022
2.	EPC contract signing of Pabna 60 MW Solar Park Project	North-West Power Generation Company Ltd. and Consortium of Paryocean (Asia Pacific) International Company Ltd. & Sinohydro Corporation Ltd., China	29.06.2022
3.	MoU Signing of Home Loan for NWPGL employee	North-West Power Generation Company Ltd. and Agrani Bank Ltd.	12.04.2022



EPC contract signing of Sirajganj 68 MW Solar Park Project between NWPGL and Consortium of Paryocean (Asia Pacific) International Company Ltd. & Sinohydro Corporation Ltd., China



EPC contract signing of Pabna 60 MW Solar Park Project between NWPGL and Consortium of Paryocean (Asia Pacific) International Company Ltd. & Sinohydro Corporation Ltd, China



Home Loan (for employees) Signing Ceremony between NWPGL and Agrani Bank Limited

Journey of NWPGCL

Year	Achievement
2007	<ul style="list-style-type: none"> • Incorporation of NWPGCL
2009	<ul style="list-style-type: none"> • Business Commencement
2012	<ul style="list-style-type: none"> • COD of Sirajganj PP (U-1) Simple Cycle
2013	<ul style="list-style-type: none"> • COD of Khulna PP Simple Cycle
2014	<ul style="list-style-type: none"> • COD of Sirajganj PP (U-1) • Formed BCPCL under JVC
2016	<ul style="list-style-type: none"> • COD of Khulna Combined Cycle Power Plant
2017	<ul style="list-style-type: none"> • COD of Bheramara CCP
2018	<ul style="list-style-type: none"> • COD of Sirajganj (U-2) • COD of Sirajganj (U-3) Simple Cycle • Inauguration of Shapner Thikana- Beside Payra Power Plant • ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified
2019	<ul style="list-style-type: none"> • COD of Sirajganj (U-3) Combined Cycle • COD of Sirajganj (U-4) Under JVC • COD of Madhumati PP • First Shipment of Coal Arrived for Payra PP (1st Phase)
2020	<ul style="list-style-type: none"> • COD of Payra 1320 MW Thermal Power Plant (1st Phase)
2021	<ul style="list-style-type: none"> • COD of Solar 6.55 MW Power Plant • Inauguration of Modhumati 100 MW Power Plant
2022	<ul style="list-style-type: none"> • Inauguration of Payra 1320 MW Thermal Power Plant

Memorable Events



Hon'ble the then Chairman of NWPGL handing over the Dividend Cheque to the then Chairman of BPDB for the FY 2021-2022



14th Annual General Meeting

15 August National Mourning Day 2022 observance by NWPGL

Corporate Office



On the occasion of National Mourning Day 2022, NWPGL paid tribute at the portrait of Father of the Nation Bangabandhu Sheikh Mujibur Rahman at Dhanmondi Road No 32

Company's Power Plants

Sirajganj Power Plant



Laying of wreaths



Mourning rally



Distribution of food among orphans

Khulna 225 MW Combined Cycle Power Plant



Laying of wreaths



Discussion meeting



Prayer



Distribution of food among the needy, helpless and orphans

Bheramara 410 MW Combind Cycle Power Plant



Laying of wreaths



Discussion meeting



Prayer



Distribution of food among the needy, helpless and orphans

Madhumati 100 MW Power Plant



Laying of wreaths



Discussion meeting



Prayer



Distribution of food among the needy, helpless and orphans