

CURRICULUM VITAE (CV)



- 1.0 Name** : Mahadehe Hassan
- 2.0 Current Residential Address** : Mahadehe Hassan
Pallabi R/A, House No # 04
Flat No# 5/C, Road No # 1/3,
Block # D, P.O: Pallabi,
P.S.: Pallabi, Mirpur, Dhaka- 1219
E-mail: mahadi_engg03@yahoo.com
- 3.0 Permanent Address** : Mahadehe Hassan
C/O Md. Mojibur Rahman
Village: Banikunj P.O: Balijhuri Bazar
P.S: Mader Ganj
Dist: Jamal Pur, Post Code: 2041
- 4.0 Date of Birth** : 20 June 1978
- 5.0 Citizenship** : Bangladesh
- 6.0 Education** : **B.Sc in Mechanical Engineering**
Rajshahi University of Engineering &
Technology (RUET), 2000 (held in 2003)
First Class (CGPA 3.25 Out of 4.00)
Merit position 13th
- Higher Secondary certificate (HSC)**
Govt. A.M collage, Jamalpur, Dhaka, 1995
First division with star marks
- Secondary School certificate (SSC)**
Madarganj A.M Pilot High School
Jamalpur, Dhaka, 1993
First division with star marks

7.0. Membership of Professional Associations: Member of the Institution of Engineer's Bangladesh, (IEB), Membership No-25102.

8.0. Local Training:

<u>Name of Organization</u>	<u>Subject of Training</u>	<u>Time</u>	<u>Duration</u>
Eastern Cables Ltd. Patenga, Chittagong.	Industrial Training	07 – 30 November 2002	24 Days
Public Administration Training center,(PATC) Saver, Dhaka.	Conduct & Discipline	10- 21 September 2006	12 Days
GATC, Segunbagicha, Dhaka	Drilling Course	05- 09 August 2007	05 Days
BEISP	EIA Guidelines for Gas Sector (Upstream and Downstream)	22-23 June 2010	02 Days
APO & NPO (Ministry of Industries)	National Dissemination Program on Energy Management Capacity Building	20- 21 December 2010	02 Days
Schlumberger SEACO Inc	Petroleum Systems Modeling	04- 08 December 2011	05 Days
Asian Development Bank (ADB)	Project Accounting and Project Management	17-18 September 2012	02 Days
Department of Environment	Developing CDM Project in Power and Energy Sector	18 -19 November 2012	02 Days
Bangladesh Petroleum Institute (BPI)	Project Management	20-24 November 2016	05 Days
Access to Information a2i Prime Ministry Office, Dhaka	E-filing Nothi	23-26 January 2017	04 Days
Bangladesh Petroleum Institute (BPI)	Corrosion Control and Cathodic Protection	14-18 May 2017	05 Days
Central Procurement Technical Unit (CPTU)	National e-Government Procurement	03-05 June 2017	03 Days
National Academy for Planning and Development (NAPD)	Environmental Issues of Project Management	06-10 May 2018	05 Days
Bangladesh Institute of Management (BIM)	Government Office Management and Skill Development	14-15 September 2018	02 Days
Bangladesh Institute of Management (BIM)	Practical Income Tax and VAT Management	23 September - 04 October 2018	12 Days

Foreign Training:

<u>Name of Organization</u>	<u>Subject of Training</u>	<u>Time</u>	<u>Duration</u>
The Energy and Resources Institute (TERI) New Delhi, India	Decentralized Energy Solution- Planning & Implementation	22 October-09 November 2012	19 Days
Thailand International Development Cooperation Agency (TICA), Thailand	Global Warming Mitigation and Adaptation by Sustainable Balancing Energy Management	09-25 July 2014	17 Days
Bangkok School of Management, Thailand	Annual Performance Evaluation and Management	23 July 2017 - 01 August 2017	10 Days
Asian Institute of Technology, Vietnam	Annual Performance Agreement	16 - 26 June 2019	10 Days
University of Greenwich, London, UK	Innovation in Management of Mineral and Energy Resources in Using Modern Explosive Technology	19 January - 28 January 2020	10 Days

9.0. Languages:

<u>Language</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Bengali	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Hindi	Excellent	Medium	Medium

10.0 Countries of Work Experience: Bangladesh**11.0 Employment Record:**

- 11.1** Dates : 29 May 2016 to Present
Employer : Hydrocarbon Unit,
Energy and Mineral Resources Division
Ministry of Power Energy and Mineral Resources
- 11.2** Position : Deputy Director (Planning & PSC)
Dates : 2009 to 28 May 2016
Employer : Hydrocarbon Unit,
Energy and Mineral Resources Division
Ministry of Power Energy and Mineral Resources
- 11.3** Position : Assistant Director
Dates : 2005 to 2008
Employer : Geological Survey of Bangladesh (GSB)
Energy and Mineral Resources Division
Ministry of Power Energy and Mineral Resources
- 11.4** Position : Assistant Drilling Engineer
Dates : 2004 to 2005.

11.5	Employer	:	Bangladesh Gas Field Company Ltd
	Position	:	Assistant Engineer
	Dates	:	2003 to 2004.
	Employer	:	Bakhrabad Gas System Company Limited
	Position	:	Assistant Engineer

12.0 Detailed Tasks Assigned:

From 28 May 2016 to Present:

Name of Employer: Hydrocarbon Unit, Energy & Mineral Resources Division
Ministry of Power Energy and Mineral Resources

Current Position: Deputy Director (Planning & PSC)

Detailed Tasks:

- PSC related activities,
- Providing opinion and suggestion to the Ministry on Production Sharing Contracts (PSCs) and Joint Venture Agreements (JVA);
- Domestic and Regional energy market monitoring & analysis;
- To assist the ministry in formulating environmental & energy security policies;
- To review and monitor activities of Petroleum Refining, storage and Distribution;
- To assist the ministry in reviewing, monitoring and planning of POL product demand, supply, pricing and trading;
- Planning, Monitoring of Exploration, Production and Development activities

From 2009 to 28 May 2016:

Name of Employer: Hydrocarbon Unit, Energy & Mineral Resources Division
Ministry of Power Energy and Mineral Resources

Current Position: Assistant Director

Detailed Tasks:

- Reserve and Resource estimation of Oil and Gas at regular intervals,
- Supervision and Evaluation of production sharing,
- Petroleum Refining and Marketing Management,
- Mine and Mineral Resources Development
- Updating and expansion of Data management
- Production and Depletion Forecasting.
- Domestic and Regional Gas Market Analysis.

- Planning, Monitoring of Exploration, Production and Development activities
- To review and monitor activities of Petroleum Refining, Storage & Distribution
- To review, monitor and planning of POL product demand, supply, pricing,, trading, etc
- To assist the Ministry in over viewing and monitoring of activities involved in Petroleum Refining, Marketing and other related activities

From 2005 to 2009:

**Name of Employer: Geological Survey of Bangladesh (GSB),
Energy & Mineral Resources Division**

Ministry of Power Energy and Mineral Resources.

Position Held: Assistant Drilling Engineer

Detailed Tasks:

Experience in Oil & Gas drilling operation performed in the GDH (Geological drilling hole), 60, 61, 62 and 63 in Dinajpur. I performed my responsibility as a "Shift in Charge" during drilling operation.

From 2004 to 2005:

Name of Employer : Bangladesh Gas Field Company Ltd

Position Held : Assistant Engineer

Detailed Tasks :

- Execute the procurement, installation & commissioning of new gas customer facilities, whether domestic, Commercial or industrial users.
- Recommended measures to improve customer services to keep current and future supplies of gas flowing.
- Performed monitoring of gas supply metering, maintenance activities, etc in order to achieve goals set by the company.
- Performed trouble- shooting of customer complains & rectifying the identified problems to the satisfaction of the customers.
- Performed planning of current & future activities related to gas supply, gas metering, gas facilities maintenance, etc in order to achieve the company's current and future goals.

From 2003 to 2004:

Name of Employer : Bakhrabad Gas System Company Limited

Position Held : Assistant Engineer

Detailed Tasks :

- Assisted the potential customers the company profile, quality & product specifications, gas supply contract & pricing policies, collection services, gas quantity available at present, maintenance services rendered and future services to be rendered by our gas company.
- Recommended measures to improve customer services to keep current and future supplies of gas flowing.
- Assisted the procurement, installation & commissioning of new gas customer facilities.

- Recommended measures to improve customer services to keep current and future supplies of gas flowing.

13.0 Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

Name of assignment or Project: The feasibility study for setting up a straddle plant for NGL extraction & fractionation at Ashuganj.

Location: Ashugang

Consulting Firm: Pegasus International Sdn Bhd, Malaysia

Client: Strengthening of the Hydrocarbon Unit (Phase-II)

Year: 2009-2010 (09 Months)

Main Project Features:

To conduct a Feasibility Study for setting up a Straddle Plant for NGL Extraction & Fractionation at Ashuganj considering NGL recovery and its potential uses,

Position Held: Junior Process Engineer

Activities Performed :

- Determine both proven and recoverable sources of NGL and estimates of the most likely additional NGL, which may be available as a result of contemporaneous exploration.
- Determine extractable amount of NGL (including ethane) towards preparation of a techno-economic model to determine the feasibility of setting up a straddle plant for NGL Extraction including Fractionation, which could process NGL from extraction plant.
- Prepare conceptual design, cost estimates, economic analyses, and opportunity cost comparisons for Potential uses of NGL for Petrochemical i.e. NGL mix feed ethylene cracker with polyethylene and polypropylene plants, olefins plants, etc.
- Recommend other alternate use of NGL (including aromatics, methanol and derivatives) which may be economically competitive as well as attractive.
- Recommend the best strategic use of the NGL components based on opportunity cost comparison.
- Recommend prices for all products produced considering competing imported products and the potential for export and comment on the economic advantages and disadvantages of applying protective tariff.

Name of assignment or Project: Petroleum Refining and Marketing

Location: Dhaka

Consulting Firm: SOFRECO, France

Client: Strengthening of the Hydrocarbon Unit (Phase-II)

Year: 2009-2013 (04 Years)

Main Project Features:

The objectives of the Refining & Marketing activities are to assist HCU on various issues related to Petroleum Refining & Marketing aspects of the country and in taking needful steps in monitoring, review as well as activity planning involved and related studies.

Position Held: Junior Sales Engineer

Activities Performed:

- To review existing activities of Petroleum Refining, Storage & Distribution system of the country and make comments with suggestions and recommendations.
- To review, demand, supply, pricing, trading of POL products and make comments with suggestions and recommendations.
- Review of Acts, Rules, Regulations, etc and assist in formulating new policies, acts, etc.
- To evaluate the technical and economical feasibility for Balancing, Modernizing, Replacing and Expansion (BMRE) of the only Refinery of the country (i.e. ERL) with an aim to reduce the production cost of refined petroleum products of ERL.
- To evaluate technical and economical feasibility for establishment of new refinery in the country with proper justification of location and other considerations.
- Review of present marketing system of petroleum products and make comments with suggestions and recommendations for up-gradation of the system.
- To assist in development of Petroleum Database.
- To prepare a comprehensive document on Petroleum Refining & Marketing of the country taking into considerations of the following but not limited to:
 - (a) Demand and Supply of Petroleum Products,
 - (b) Procurement of Petroleum Products,
 - (c) Wharf Facilities,
 - (d) Storage of Petroleum Products,
 - (e) Transportation of Petroleum Products,
 - (f) Distribution Channels,
 - (g) Demand forecast of Petroleum Products upto 2015 & 2025,
 - (h) Pricing Policy and fixing of Retail Selling Prices in Bangladesh,
 - (i) Infrastructure Development to meet growing demand of Petroleum Products,
 - (j) Alternative Fuel

Name of assignment or Project: Petroleum Resource Management

Location: Dhaka

Consulting Firm: Gustavson Associates LLC, USA

Client: Strengthening of the Hydrocarbon Unit (Phase-II)

Year: 2009-2013 (04 Years)

Main Project Features:

- The objectives of the Resource Management activities are to:
- Improve capability to exercise regulatory functions;
- Develop policies and strategies to ensure better administration of the petroleum resources.
- Establish procedures for updating and publishing of the resource inventory at regular intervals.
- Make easy access to petroleum data as a basis for technical and economic evaluation on the national level and for investment decisions.

Position Held: Junior Reservoir Engineer

Activities Performed:

- Activity Planning and Promotion of Exploration
- Planning of Field Development and Depletion
- Optimal Gas Utilization
- Resource Classification System, Reporting Regime and Database Model
- Petroleum Resource Assessment.
- Updating the Resource Inventory
- Establish Data Management System

14.0 Certification:

I, the undersigned, certify to the best of my knowledge and belief that:

This CV correctly describes my qualifications and my experience.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Mr. Mahadehe Hassan Date: 4 January 2020