

ENGR. A.T.KABIR UDDIN AHMED.



Engr. A.T.Kabir Uddin Ahmed.
B.Sc. Engr. (Mechanical)

(A) OBJECTIVE

An accomplished professional with extensive expertise in a broad suite of experiences especially in Power Project , starting from Pre-Project Activities up to Operation and Maintenance , covering Project Management of the Power Plants in Bangladesh and Overseas , which also includes Technical , Financial , Management & Environmental Consultancy for different types of Fuel Based Power Project , such as Coal , HFO, HSD ,Natural Gas , upto 600 Mw. Capacities . Also covers business development, sales of Generated Electric Power From Power Plant in accordance with the concerned contracts with off taker , strategic planning , efficient Project Management and operation keeping in views of guide lines of World Bank and Environment Policy of the concerned country maintaining world standard Management, particularly in Kingdom of Saudi Arabia, Sultanate of Oman , Sri Lanka and Bangladesh; and also Environmental Monitoring Plan (EMP) compliance monitoring for World Bank for 7 nos. (Partially Debt) Financed Power Projects in Bangladesh under IPFF [Investment Promotion and Financing Facility] scheme. Proven track record as a visionary with awareness to facilitate development and implementation of Power Projects strategies targeting Environmental issues , Efficiency and state of the art Technology . Proficient at full business-unit management with reputation for leading teams towards peak performance; seeking a challenging position to drive realization of business targets with adept management of organizational diversity, while maintaining a firm focus on assured bottom line gains and distinguished company performance and stake holders' choice.

(B) KEY SKILLS

- Management, Business Development, Operations Management, Technical ,Financial & Environmental Consultancy
- Project Management, Design , Procurement, Budgets, Strategic Planning/Implementation, EPC (Engineering , Procurement and Construction), Inventory Control, safety procedures
- Management Reporting, Resource Allocation, Market Research, Sales , Competitive Analysis, Negotiations
- Fiscal Management, Proposal Development, Deal Structuring, Formulating Policies/Procedures.
- Logistics Planning, Forecasting, Risk Assessment, Cost Control, very Good Computer literacy, Crisis Management
- Offtaker / Client Relationship Management, Multi-Channel Distribution, Promotions
- HR Selection, Development & Training, Performance Management, Quality Control.
- Leadership, Team Building, Decision Making, Communication, Measurable Deliverables, Time Management

(C) PROFESSIONAL EXPERIENCE [[In Total : 43 Years including OVERSEAS EXPERIENCE : 12⁺ Years]]

(1) Consultancy:

ENGR. A.T.KABIR UDDIN AHMED.

- (i) **155-235 MW. Dual Fuel (HSD/ Natural Gas) Based Combined Cycle Power Plant (CCPP) Project** :: Scope Covers Technical and Financial Consultancy , Preparation of Detail Proposal, Preparation of IEE (Initial Environmental Examination) , EIA (Environmental Impact Assessment) , EMP (Environmental Monitoring Program), Detailed Feasibility Study, Lev . Tariff Formulation, Power solutions , Formulation of PPA (Power Purchase Agreement), Implementation Agreement , Selection of Major Equipment , etc.
- (ii) **150 MW. Power Plant Project** :: Scope Covers Technical and Financial Consultancy , Preparation of IEE (Initial Environmental Examination) , EIA (Environmental Impact Assessment) , EMP (Environmental Monitoring Program), Detailed Feasibility Study, Lev . Tariff Formulation, Power solutions , Formulation of PPA (Power Purchase Agreement),
- (iii) **Implementation of HV Transmission Line Project** :: under PPP (Public Private Partnership) , on BOOT (Build, Own, Operate and Transfer) basis , 30 years' Term Contract.
- (iv) **FOR THE BOOT DEVELOPMENT OF A Proposed 300MW (RLNG Based) COMBINED CYCLE POWER PLANT AT KERAWALAPITIYA**, Under Ministry of Power and Renewable Energy, GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA.
- (v) **Matarbari 1200 Mw. Coal Based Power Project : Limited Consultancy (Under Processing)**

Highlights:

:Scope of works cover:

- **a) Project Documentation and Contractual Provisions**
 - Negotiate the Terms of Project Documents (RFP, PPA, I/A, LLA, FSA) with concerned concerned Officials , and to expedite the preparation of the Project Documentation.
 - Coordinate with officials for expediting the evaluation of submitted (proposal) and signing of the Contracts.
 - Review project contracts and opine on technical adequacy, consistency among the contracts and their suitability to achieve Project scope and cash flow projections.
 - Review EPC Contract between Project Company and EPC Contractor;
 - Turbine Supply Agreement between Project Company and EPC Contractor
 - O &M Contract between Project Company and O&M Contractor;
 - Contract between Project Company and OFFTAKER and any other agreements between Project Company and OFFTAKER related to interconnection, PPA (Power Purchase Agreement) , Fuel Supply Agreement (FSA) , Implementation Agreement (I/A) , Land Lease agreement (LLA) (as a whole Project Agreements) and transmission;
 - Civil Works Contract between Project Company, EPC Contractor and the civil works (BOP) contractor
- **b) Review of the EPC contract(s), including civil works contractor and other subcontractors for**
 - Conformity with good engineering and construction standards and industry practices;
 - Contractors' experience and their ability to meet contractual requirements, and risk allocation;
 - Performance testing and acceptance criteria Adequacy of liquidated damages, guarantees, warrantees and indemnities, performance guarantees, bonuses, contract price, and contingencies
- **c) Review Power Purchase Agreements and other contracts such as the project concession and grid connection agreement (if any) and opine on:**
 - Reasonableness of tariff adjustment mechanism;
 - Payment terms, including impact of potential shortfalls in energy production
 - Performance testing and acceptance criteria;
 - Liquidated damages, payment adjustments, force majeure;
 - Reasonableness of the termination and/or buy-out provisions

ENGR. A.T.KABIR UDDIN AHMED.

- **d) Construction and Start-up : Review and opine on:**
 - Construction schedule including construction and payment milestones and contractors' and subcontractors' execution plans;
 - Assessment of reasonableness of Project Cost estimation (including potential scenarios of cost overruns), including spare parts;
 - Including site accessibility as well as adequacy of the available infrastructure (ports, roads, vehicles) to transport to the Project site the different components of the turbines;
 - Review of the commissioning and start-up plan including performance testing and acceptance criteria for O&M Program

- **e) Owners' Engineer:**
 - Selection of Owners' Engineer
 - Fixation of Scope of Owners' Engineer
 - Supervise the activities of Owners' Engineer
 - To check for compliance of the Applicable approved standard.
 - Provide necessary approval of their Activities for Project Implementation Purpose

- **f) Supervise the Activities of Project Management Team:**

- **g) Review and opine on**
 - The O&M program, including routine and unscheduled maintenance, and review and opine on O&M costs
 - Staffing, start-up, training program, labor management;
 - Key staff qualifications, capability and experience, including international exposure/ capabilities and track record;
 - Spare parts inventory and availability/risk of shortage (logistical issues);
 - Expected major maintenance requirements
 - Construction Contractors support, post completion technical risks;
 - Adequacy of turbine availability guarantee

- **h) Financial Model : Review and Opine on**
 - Technical data inputs and calculations for accuracy, reasonableness and consistency with projection of energy production, project contracts and permits;
 - Reasonableness and adequacy of parameters of the financial model sensitivity scenarios (including suggesting potential scenarios of turbine availability related to the probability of major maintenance / turbine defects);
 - The adequacy of the working capital, major maintenance requirements, turbine O&M, inventory of spare parts, projected operating budget for the Project, and other relevant technical aspects that should be considered in the financial model.

- **i) Permits and Licenses : Review and opine / Procurement on:**
 - Use of soil and construction permits;
 - Building permit;
 - Environmental permits;
 - Other required permits and licenses

- **j) Technical Evaluation of the Turbines / Engines Design and Manufacturer**
 - Review of performance guarantees (availability, power curve), including guarantees provided by the turbine and other equipment manufacturer;
 - The load analysis prepared by the turbine manufacturer. Assess and estimate basic lifetime calculations for all major components of the turbine. Independently verify the expected key component load exceedance percentages based on the site specific conditions;
 - Technical Review of Grid Connection and Other Electrical Matters
 - Origin of major electrical equipment to be used in the Project;
 - Track record, operational experiences, and quality checking of offered equipment

(2) Project Manager / Dy. Project Manager :

ENGR. A.T.KABIR UDDIN AHMED.

(i) PowerPac Mutiara Power co. Ltd. Jamalpur, Bangladesh

Highlights:

- Team Leader of Project Management Team (PMT) of 100 MW. Dual Fuel(HFO/Natural Gas) Based Power Project.
- Pre-Project works; Tendering; Bid Preparation; Negotiation; Preparation of Contractual Documentation; Maintaining Liaison; Coordination; Management,
- Initial Environmental Examination (IEE), Environmental impact Assessment (EIA), & Environmental Monitoring Program (EMP).
- Quality Control
- Technical Review
- Power Solutions
- O&M Policy formulation
- HR development
- Other activities as mentioned in clause-1 above.

➤ (3) World Bank (Partially Debt) Funded Program AND other Power Projects :

Highlights:

- As “POWER PLANT EXPERT” for World Bank Partially Debt Funded (under IPFF Scheme) for 7 nos. Power Plants, and engaged in compliance Monitoring and implementation of Environmental Management Program (EMP)

➤ (4) Acorn Limited , Dhaka : As Consultant .

Highlights:

- Consulting , Technical and Financial Analysis of Projects, Execution of Different type of Projects in Private Sectors, coordinate with Local and Foreign companies .
- Techno-Financial Consultancy on Power Plants Operated by different types of Fuel: Coal based (Plant Capacity: 300MW.-650MW) , HFO, HSD & Dual Fuel Operated Power Plants (having Plant Capacity up to 210 MW.) ; Engineering; Design; Procurement; Importation; Installation; Project Execution; EPC; Project Development related activities, Operation and Maintenance, Preparation of IEE and EIA .

➤ (4 A) EMP Global-RPCL Consortium [A Consortium of Organization of Bahrain (EMP- Global) and Rural power Company Limited (RPCL, a 100% Bangladesh Government Owned Company)] _ :

PART TIME CONSULTANT :

Highlights:

➤ (4 B) COMPREHENSIVE CONSULTANCY For Proposed KODDA 150 MW. IPP . Rural Power Company Limited (RPCL) : PART TIME CONSULTANT :

Highlights:

- Consultancy on Review Of Tariffs of Mymensingh POWER STATION (210 MW. CAPP)

➤ (5) GETCO LTD. Dhaka : As General Manager (Projects) -

ENGR. A.T.KABIR UDDIN AHMED.

Highlights:

- EPC of different Power Projects of the Clients , Sales of Equipment including Generator for Power Plants implementation , Project Management ,
 - From Design to Execution (EPC) covering Project Delivery of Power Plant Projects for customers purchasing Generating sets mainly from GETCO. This arrangement provides one stop service to customer up to EPC of the Power Plants on turn key basis.
 - Executed Power Plant for BPDB (Bangladesh Power Development Board) on Turn Key basis. Project was awarded against Tender. Engaged in Engineering, Offer preparation, Negotiation, Designing, Planning, HR recruitment, Sourcing of Materials & Equipment, Importation, Maintaining liaison & other related jobs, including Project Delivery in accordance with contract for the Power Project.
- (6) UNITED SUMMIT POWER CO. LTD. (A BOO [Build , Own & Operate] basis IPP (Independent Power Producer]) : **As Manager (Operation and Maintenance) for 3 Nos. Gas Operated Power Plants.**

Highlights:

- Project Management during EPC phase of 3 Nos. Power Plants , at (i) Ashulia, Dhaka; (ii)Madhabdi, Narshingdhi ; and (iii) Chandina, Comilla, Bangladesh.
 - Operation and Maintenance of 3 nos. Power Plants including concerned Substations.
 - Formulating plan for O&M of the Plants, HR recruitment and Development , maintaining liaison with different offices of Government, Power Off Takers : REB (Rural Electrification Board) PBS (Palli Biduit Samity) , suppliers, out sourcing from Home and Abroad , coordination, organize activities, inventory control & store management
 - Management in Dispatching Power to Power Off- taker : Rural Electrification Board in line with Agreement / Security Packages (PPA, [Power Purchase Agreement] IA [Implementation Agreement] & LLA [Land Lease Agreement]) as were executed among United Summit Power Co. Ltd., Govt. of Bangladesh (GOB) and Rural Electrification Board. (REB).
- (7) **OVERSEAS:** Sultanate of Oman : As Maintenance Engineer in OMAN NATIONAL ELECTRIC COMPANY (SAOG),

Highlights:

- Operation and Maintenance of Power stations under Ministry of Defence; and Ministry of Electricity & Water . EPC of Power Plants, have major overhauling experience of Engines under different Power Plants viz. MWM, Mirlees Blackstone-KV Major -12 & KV Major -16, Caterpillar, Cummins and Wartsila & Gas Turbines, having capacity ranging up to 150 MW.
 - Project Execution and Operation and Maintenance of Power Plants, including Overhead & Underground Transmission line as well as Distribution network.
 - Operation and Maintenance of Reverse Osmosis Plant under Ministry of Defence, and Ministry of Electricity & Water.
- (8) A.B.Biscuit Co. Ltd. , Dhaka , A widely reputed Company in Home and Abroad in Food industry , **As Technical Manager**

Highlights:

- Responsible for overall Technical matters of the group of companies
- (9) **OVERSEAS :** Kingdom of Saudi Arabia (KSA) : As Mechanical Engineer in SAUDI CONSOLIDATED ELECTRICTY COMPANY SCECO) IN THE WESTERN REGION, MEDINAH. 01-01-1402 H TO 30-12-1407 H

ENGR. A.T.KABIR UDDIN AHMED.

Highlights:

- In charge of operation and maintenance of 3 nos. Diesel Power Stations.
- Transmission line maintenance
- EPC supervision, and Operation and Maintenance of substations and Distribution lines
- Project Development Activities.

➤ **(10) P.R.C. Engineering consultants Inc. (An U.S.A. based consulting firm), Dhaka office, As Mechanical Engineer**

Highlights:

- Planning, designing, cost Estimating , Feasibility report making (Electro- mechanical side) of irrigation project sponsored by Asian Development Bank.

➤ **(11) EAH Consultants Ltd. , Dhaka , As Sr. Mechanical Engineer**

Highlights:

- Preparing Feasibility report (Electro- mechanical side) for Faridpur Barisal irrigation project, sponsored by BWDB.

➤ **(12) Urea Fertilizer Factory , Ghorasal,[An Enterprise of BFCPC (Bangladesh Fertilizer , Chemical and Pharmaceutical Corporation) As Asstt. Mechanical Engineer :**

Highlights:

- Mechanical maintenance of Plant including Gas Turbine & Diesel Generator
- Was in charge of the Mechanical workshop inside the Plant.

(D) EDUCATION

- B.Sc. Engineering (Mechanical) from Rajshahi Engineering College , Bangladesh ,in the year 1974
- Obtained 1st Class & 4th Position in order of Merit.

(E) AFFILIATION :

- Life Member , IEB (Institute of Engineers , Bangladesh), Membership No. : F-6534

(F) KEY TRAINING TO CREDIT:

- On “ Operation and Maintenance of Caterpillar Diesel Generating units” at Jeddah, K.S.A. at **Zahid Tractor & Heavy Machinery Co. Ltd**
- On “Operation and Maintenance of Caterpillar Gas Generating set” in India at **RVK Energy Limited** , Andhra Pradesh.
- On ISO 9001.

(G) AWARDS :

- “**LETTER OF THANKS**” from SCECO [SAUDI CONSOLIDATED ELECTRICITY COMPANY , K.S.A], WESTERN REGION for Outstanding Performance.

(H) LANGUAGE PROFICIENCY :

ENGR. A.T.KABIR UDDIN AHMED.

Sl. No	Name	Skill Level	Remarks
1.	Bengali	Excellent	Mother Tongue
2.	English	Excellent	
3.	Arabic	Medium	Read, Write, speak colloquial language
4.	Urdu	Little	
5.	Hindi	Good	Speak only
6.	French	Little	