

## **Application of modern Supply Chain Management Tools to the Power Plants of Bangladesh: A Case Study**

**Md. Moinul Hossain**

Department of Mechanical and Chemical Engineering  
Islamic University Of Technology (IUT)  
Boardbazar, Gazipur, Dhaka, Bangladesh  
moinul131412@gmail.com

**Asif Mahmud**

Department of Mechanical and Chemical Engineering  
Islamic University Of Technology (IUT)  
Boardbazar, Gazipur, Dhaka, Bangladesh  
asifmahmud1506@gmail.com

**Md. Nafis Hossain**

Department of Mechanical and Chemical Engineering  
Islamic University Of Technology (IUT)  
Boardbazar, Gazipur, Dhaka, Bangladesh  
nafis9481@gmail.com

**Dr. A.R.M. Harunur Rashid**

Assistant Professor

Department of Mechanical and Chemical Engineering  
Islamic University Of Technology (IUT)  
Boardbazar, Gazipur, Dhaka, Bangladesh  
a\_rashid@iut-dhaka.edu

### **Abstract**

Power generation sector of a country plays a pivotal role in her overall development and progress. In modern world, as days goes by people are getting depended on technology even more. Bangladesh is the ninth most populous country in the world. In order to turn this overpopulation from a burden to a blessing we need to equip them with necessary technology. To provide technology for this huge amount of people we need a lot of electric power. If we take a look at the most developed countries in the world. They are also the country which are leading in electricity production. It clearly proves how much impact energy production has on any country's development. This is where Bangladesh lacks the most. Our country currently ranks 46th in overall electricity production whereas its population ranking is 9th. Modern supply chain tools are currently being used in pretty much every managing sector due to its radical effect. Utilizing it in our power sector can also help in increasing the overall efficiency. Our thesis is a case study about the prospect and goals that can be achieved if modern supply chain tools are applied in power plants of Bangladesh.

### **Keywords**

Supply Chain Management, Power Plant, Energy