

## **LPG Distribution Management System Using PHP and Lraravel**

LPG is the next generation of fuel. Bangladesh is one of the densely populated countries in the world. The energy consumer is increasing gradually in the country. The key energy source in the country is natural gas but the supply is less than the demand. The government is no longer allowing the pipeline gas connection for household chores. Demand for LPG is growing exponentially in the country. Till last year, the number of LPG consumers was 38 Lakh. against 2.5 lakh in the year 2009, according to the annual report of the Energy and Mineral Resources Division (EMRD) of 2018-19. It will go up to around 90 Lakh by the time of 2025. This sector needs proper distribution management.

Electronic commerce or E-commerce is the fastest growing B2C business in this country. Distribution management depends on E-commerce. E-commerce is still young and emerging in our country. The whole world is experiencing the major transformation in retail business, and Bangladesh does not differ from the global trend. According to Bangladesh telecommunication regulatory commission (BTRC), latest statistics (June 2018) shows that the number of Internet users is 52.77%. Another report shows that There are more than 2500 e-commerce websites and around 8,000 e-commerce pages on Facebook that operating business.

It is high time to bring on the LPG distribution under E-commerce to grow this business, make peoples not to worry about Cylinder supply and to refill them.

Like every ecommerce system, our system will be mostly the same. But there is now no management system in this sector now. We will make a proper management system from dealer to customer. There will be an admin dashboard for the dealer shop and a customer dashboard for customer to order or to make query or to compare the prices of different companies LPG.

Most of the ecommerce business only have product list updated and shows the pricelist. But there is no payment gateway to pay digitally. We will use the SSLCOMMERZ to overcome this situation. SSLCOMMERZ is Bangladeshi Payment Gateway. Bangladeshi people mostly like to have a COD (Cash on Delivery). We will also impose that.

We are also trying to find a system in which customer need not to worry about ordering also. We are searching a system to automate them. Due to lack of resource, we still can't find a solution for this. Along with the proposed project, we will look for the solution. If we can solve this problem, the consumer will only need to pay the regular bill and don't have to worry about ordering or refilling LPG

