



# **Functional Requirement Specification**

## **LPG ERP**

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A **Functional Requirement** (FR) is a description of the service that the software must offer. It describes a software system or its component. "Amar Bebsha Limited" is perpetrated to manifest new and valuable software for their invaluable customers. We denote to ascertain a comprehensive LPG ERP based on our customer obligations. We hope this evolutionary software will make the entire ERP business easy to understand and track everything effortlessly. For our LPG ERP, we have chosen the following points keeping in line with the user requirements:

**User login:** Users will be able to log in using their credentials. There will be different levels of users based on different privacy levels.

**Dashboard:** The system will show a dashboard after a successful login. The dashboard will consist of summaries of different transactions history, sales, and income-expense reports with a selected month chart.

**Inventory:** From the notifications tray, the system will show an **inventory** section. This inventory system should have three subsections. The operation subsection will be a responsible purchase order, purchase voucher, and material-related issues. Inventory transfer, receive, the number of cylinders moved from one godown to another can also be tracked and entered here.

The following subsection will be a **setup** menu. We will strive to make the system as progressive as possible. So, this setup menu should let the user add new products, compose a package of some products, add a new supplier, or choose/create a product category. This menu should also empower users to select a custom unit system and add a new brand name.

**"Inventory Report"** should represent all the reports entitled to the preceding operations of this section. The system will have suppliers from whom the company may buy products or refill the cylinders. This page should show all the reports related to supplier purchase and refill. The report can be sorted according to date and purchase criteria. The user should also be able to see the date-wise purchase report and cylinder summary report. There should be a Product Ledger module to search the detailed product information date and godown-wise.

**Sales:** There will be a menu to grasp the records related to sales. The sales menu will sit right alongside the inventory menu, divided into three subsections to make all the operations more straightforward and precise.

The **Operation** menu will have sales orders, sales delivery challan, and sales invoices. The sales order will add the information about new sale orders. The sales delivery challan will show the list. Sales invoices will let the customer add a further invoice or see the details from a list.

The **Setup** subsection will be responsible for adding new customers and references. It will also show the list of all customers and references. Customer and reference-related information can also be deleted or edited from this menu.

**The report** section should generate all the sales-related reports from this subsection. Sales reports can be seen from customer-wise, product, or date-wise aspects. This flexibility will let the user easily audit the sales performance. All of the reports section will have their dedicated search button and date selection preferences. So that users can see the report from a specific date to another or search by the invoice/challan numbers whenever necessitated.

**Accounts:** The accounts section will store and display all the data regarding account information. From the navigation menu, the user will be able to access the accounts section with three subsections and input or search their desired information.

**Operation:** The operation menu will be administered with different types of vouchers. These voucher entails payment voucher, receive voucher, journal voucher, and expense voucher. These vouchers will have their appropriate forms to fill up and store the information. The vouchers will have both dropdown and field input combinations. Each voucher will have its uniquely generated ids' to track them down later. The list of every voucher will also be included with each of the criteria.

**Setup:** Ledger and Chart of Account (COA) is a mandatory plugin for account-related settings. The setup subsection will let users create a new account ledger or inspect the already made COAs'. The system will auto-generate an account code to track the records and show the hierarchy of account levels.

**Report:** Account-related reports will be shown in this subsection. This will include different types of ledger such as general ledger, customer ledger, etc. The users will also be able to search trial balance, income statement, cash book, bank book by date input. These reports will complete the actions of accounts and will let the users know every detailed transaction of the accounts.

**Configuration:** The system will require its configuration according to the organization. The configuration segment will aid regarding this issue.

**Opening Balance:** This subsection will benefit users in regulating different types of opening such as customer opening, supplier opening, inventory opening, and balance sheet for a branch code created earlier. Apiece of the openings will have its page and forms to fill up. A CSV file uploading system will also be available to make the user experience faster and shortcut.

**Setup:** A subsection will be presented under the configuration section to rearrange the system appearance, themes, heads, footers, company details, etc., as per the user's needs. This subsection will also allow admin to choose the user role for a created user, add a new user, vehicle, or customer. This subsection will also show the list of all branches, previously created users, vehicles, or customers. Admin can also assign permission to an individual user from this menu. In this way, the users or customers will only have their designated access. This section will deal with a complete privacy setup. Admin can also edit branch information from this setup menu.

**Import:** Many of our customers have already been administering track of their business using an excel file. So, what if they commence using our system all of a sudden? Will they lose their previous records, or do they have to insert the application's data manually? Both of these ways are time-consuming and hard work. So, as per the user requirement, there will be an import subsection where the admin will be able to upload the excel sheet information in real-time and get the instant listing of all necessary data. Every variable such as branch, unit, supplier, customer, product category, brand, reference will have their excel file upload method. A second menu will let the users upload the excel file of product information.

**Planned skeleton of the functional requirement main menus:**

