Software Requirement Specification
for
LPG Distribution System

R1. User Login:
Description: User Can Login into System using correct credentials
Input: Username and Password.
Output: Home window if Credentials is correct otherwise error message.

R2. Customer Management:
Description: Using this Functionality distributor user can create new customer, remove customer, change customer details.
R2.1 Create Customer
   Input: Customer Details like name, Aadhaar number, address, contact number, type of connection.
   Output: Success Message "Customer created Successfully".

R2.2 Change Customer Details
   Input: Customer Details for change.
   Output: Success Message "Customer details updated Successfully".

R2.3 Remove Customer
   Input: Customer ID or Name
   Output: Success Message "Customer removed Successfully".

R2.4 Customer Details
   Description: Distributor user can search customer by connection type, date, village, and   view customer details.
   Input: Required data to search records.
   Output: List of Customers as per Input.

R2.5 Transfer Customer
   Description: Distributor user can transfer customers from his agency to another agency.
   Input: Selection of records and destination agency name
   Output: Success Message "Transfer of Customers is Successfully done".

R3. Stock Management:
Description: Distributor user can add, view stock and can set price for cylinders, stoves andregulators.
R3.1 Add Stock
   R3.1.1 Add Cylinders
      Input: Numbers of various types of cylinders
      Output: Success message
   R3.1.2 Add Stoves and Regulators

      Input: Numbers of various types of stoves and regulators
      Output: Success message

R3.2 View Stock
   Input: User selection

Output: Stock details of cylinders, stoves and regulators.

R3.3 Set Price
Description: Distributor user can set prices of cylinders, stoves and regulators.
Input: Prices of cylinders, stoves and regulators.
Output: Successful message

R4. Synchronization with Central Server:
Description: Distributor user can synchronize customer transactions, changes of customers' details and stock data within given time period for a day.
Input: User selection
Output: Success message
Process: Transfer Local data like customer transactions, changes of customers' details and stock data to central server.

R5. Customer Transaction:
Description: Distributor user can book cylinders, print bill of cylinders, stoves and regulator.

R5.1 Book Cylinder
Input: User will search customer and select "Register Booking".
Output: Successful message
Process: record of this transaction is saved in record with unique transaction number.

R5.2 Print Bill for Cylinder
Input: Single or multiple records of cylinder refilling.
Output: Bill will be printed for selected records.

R5.3 Generate Bill for Stoves and Regulator
Input: Distributor user will enter details like customer name, stove and regulator quantity.
Output: Bill will be generated.

R6. Accounting:
Description: Distributor user can get details of sold and purchased cylinders, stoves and regulators for period entered by user. User can also generate pdf of those details.

R6.1 Summary Report
Input: User Selection.
Output: Summarized Report.

R6.2 Cylinder Report
Input: User Selection.
Output: Report of Cylinders.

R6.3 Stove and Regulator Report
Input: User Selection.
Output: Report of Stoves and Regulator.