

# LPG DISTRIBUTION

SYSTEM

Data Dictionary & E-R Diagram

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**Data Dictionary**

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| **Customer** | | | | | | | | |
| **Sr. No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | CustomerId | Int | 10 | Yes | Yes | PK |  |  |
| 2. | DistributorCode | Int | 6 | Yes |  | FK | DistributorUser |  |
| 3. | CustomerName | Varchar2 | 30 | Yes |  |  |  |  |
| 4. | CustomerType | Varchar2 | 10 | Yes |  |  |  |  |
| 5. | Address | Varchar2 | 100 | Yes |  |  |  |  |
| 6. | City | Varchar2 | 20 | Yes |  |  |  |  |
| 7. | Taluka | Varchar2 | 20 | Yes |  |  |  |  |
| 8. | State | Varchar2 | 20 | Yes |  |  |  |  |
| 9. | ContactNo | Int | 10 |  |  |  |  |  |
| 10. | Email | Varchar2 | 50 |  |  |  |  |  |
| 11. | AadharNo | Int | 12 | Yes | Yes |  |  |  |
| 12. | BankIFSC | Varchar2 | 15 |  |  |  |  |  |
| 13. | BankAccountNo | Int | 16 |  | Yes |  |  |  |

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| **DistributorUser** | | | | | | | | |
| **Sr.**  **No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | DistributorCode | Varchar2 | 6 | Yes | Yes | PK |  |  |
| 2. | DistributorName | varchar2 | 30 | Yes |  |  |  |  |
| 3. | Username | Varchar2 | 12 | Yes |  |  |  |  |
| 4. | Password | Varchar2 | 12 | Yes |  |  |  |  |
| 5. | GSTIN | Varchar2 |  | Yes | Yes |  |  |  |
| 6. | Address | Varchar2 | 100 | Yes |  |  |  |  |

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| **Cylinder** | | | | | | | | |
| **Sr. No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | Type | Varchar2 | 15 | Yes | Yes | PK |  |  |
| 2. | Quantity | Int | 5 | Yes |  |  |  |  |
| 3. | Price | Double |  | Yes |  |  |  |  |

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| **Stove** | | | | | | | | |
| **Sr. No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | Type | Varchar2 | 15 | Yes | Yes | PK |  |  |
| 2. | Quantity | Int | 5 | Yes |  |  |  |  |
| 3. | Price | Double |  | Yes |  |  |  |  |

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| **Regulator** | | | | | | | | |
| **Sr. No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | Quantity | Int | 5 | Yes |  |  |  |  |
| 2. | Price | Double |  | Yes |  |  |  |  |

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| **TxCylinder** | | | | | | | | |
| **Sr. No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | TxId | Int | 10 | Yes | Yes | PK |  |  |
| 2. | CustomerId | Int | 10 | Yes |  | FK | Customer |  |
| 3. | CustomerName | Varchar2 | 30 | Yes |  |  |  |  |
| 4. | TxDate | DateTime |  | Yes | Yes |  |  |  |
| 5. | CylinderDetails | Varchar2 | 50 | Yes |  | FK | Cylinder |  |
| 6. | Amount | Double |  | Yes |  |  |  |  |
| 7. | CGST | Double |  | Yes |  |  |  |  |
| 8. | SGST | Double |  | Yes |  |  |  |  |
| 9. | Total | Double |  | Yes |  |  |  |  |

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| **TxStoveRegulator** | | | | | | | | |
| **Sr. No.** | **Field Name** | **Data Type** | **Width** | **Required** | **Unique** | **PK/FK** | **Referenced Table** | **Description** |
| 1. | TxId | Int | 10 | Yes | Yes | PK |  |  |
| 2. | CustomerId | Int | 10 |  |  | FK | Customer |  |
| 3. | CustomerName | Varchar2 | 30 |  |  |  |  |  |
| 4. | TxDate | DateTime |  |  | Yes |  |  |  |
| 5. | Details | Varchar2 | 50 | Yes |  | FK | Stove |  |
| 6. | Amount | Double |  | Yes |  |  |  |  |
| 7. | CGST | Double |  | Yes |  |  |  |  |
| 8. | SGST | Double |  | Yes |  |  |  |  |
| 9. | Total | Double |  | Yes |  |  |  |  |

