DF Reach System: Database Documentation

The DF Reach database is designed to manage the comprehensive operations of social programs, focusing on beneficiary management, program tracking, employee administration, and geographical data. It provides a structured foundation for storing and retrieving critical information efficiently.

### **1. Database Overview**

The database schema is built with a relational model, emphasizing data integrity, consistency, and efficient retrieval. It's designed to support various functionalities, from beneficiary enrollment and program monitoring to user management and reporting.

### **2. Table Descriptions**

This section details each table in the DF Reach database, including its purpose, columns, and indexes.

#### **2.1. Geographical Data Tables**

These tables manage the hierarchical geographical information.

**state**

* **Purpose**: Stores information about different states.
* **Columns**:
  + state\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the state.
  + state\_name: varchar(100) (Default: NULL) - Name of the state.
  + status\_id: int(11) (Default: NULL) - Status of the state (e.g., active/inactive).
* **Indexes**:
  + idx\_state\_status\_id (status\_id)

**district**

* **Purpose**: Stores information about districts within states.
* **Columns**:
  + district\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the district.
  + state\_id: int(11) (Default: NULL) - Foreign key referencing state.
  + district\_name: varchar(100) (Default: NULL) - Name of the district.
  + status\_id: int(11) (Default: NULL) - Status of the district.
* **Indexes**:
  + idx\_district\_status\_id (status\_id)
  + idx\_district\_state\_id (state\_id)

**taluka**

* **Purpose**: Stores information about talukas (sub-districts) within districts.
* **Columns**:
  + taluka\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the taluka.
  + district\_id: int(11) (Default: NULL) - Foreign key referencing district.
  + taluka\_name: varchar(100) (Default: NULL) - Name of the taluka.
  + status\_id: int(11) (Default: NULL) - Status of the taluka.
* **Indexes**:
  + idx\_taluka\_status\_id (status\_id)
  + idx\_taluka\_district\_id (district\_id)

**village**

* **Purpose**: Stores information about villages within talukas.
* **Columns**:
  + village\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the village.
  + taluka\_id: int(11) (Default: NULL) - Foreign key referencing taluka.
  + village\_name: varchar(100) (Default: NULL) - Name of the village.
  + pincode: int(11) (Default: NULL) - Pincode of the village.
  + status\_id: int(11) (Default: NULL) - Status of the village.
* **Indexes**:
  + idx\_village\_status\_id (status\_id)
  + idx\_village\_taluka\_id (taluka\_id)

**address**

* **Purpose**: Stores detailed address information, linked to geographical entities.
* **Columns**:
  + address\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the address.
  + state\_id: int(11) (Default: NULL) - Foreign key referencing state.
  + district\_id: int(11) (Default: NULL) - Foreign key referencing district.
  + taluka\_id: int(11) (Default: NULL) - Foreign key referencing taluka.
  + village\_id: int(11) (Default: NULL) - Foreign key referencing village.
  + pincode: varchar(10) (Default: NULL) - Pincode for the address.
* **Indexes**:
  + idx\_address\_village\_id (village\_id)
  + idx\_address\_taluka\_id (taluka\_id)
  + idx\_address\_district\_id (district\_id)
  + idx\_address\_state\_id (state\_id)

#### **2.2. Beneficiary Management Tables**

These tables handle all aspects of beneficiary data and their program enrollments.

**gender**

* **Purpose**: Master table for gender types.
* **Columns**:
  + gender\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for gender.
  + gender: varchar(10) (Default: NULL) - Gender name (e.g., Male, Female).

**master\_education\_levels**

* **Purpose**: Master table for different education levels.
* **Columns**:
  + education\_level\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for education level.
  + education\_levels: varchar(100) (Default: NULL) - Name of the education level.
  + status\_id: int(11) (Default: NULL) - Status of the education level.
* **Indexes**:
  + idx\_master\_education\_levels\_status\_id (status\_id)

**master\_education\_details**

* **Purpose**: Stores detailed educational information for beneficiaries.
* **Columns**:
  + education\_details\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for education details.
  + education\_level\_id: int(11) (Default: NULL) - Foreign key referencing master\_education\_levels.
  + institute: text (Default: NULL) - Name of the educational institute.
  + filed\_of\_study: text (Default: NULL) - Field of study.
  + education\_status: text (Default: NULL) - Current education status.
  + passing\_year: text (Default: NULL) - Year of passing.
  + status\_id: int(11) (Default: NULL) - Status of the education details.
* **Indexes**:
  + idx\_master\_education\_details\_status\_id (status\_id)
  + idx\_master\_education\_details\_education\_level\_id (education\_level\_id)

**earning\_range**

* **Purpose**: Master table for defining income earning ranges.
* **Columns**:
  + earning\_range\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for earning range.
  + earning\_range: varchar(100) (Default: NULL) - Description of the earning range.

**master\_occupation**

* **Purpose**: Master table for different occupation types.
* **Columns**:
  + occupation\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for occupation.
  + occupation\_name: varchar(100) (Default: NULL) - Name of the occupation.
  + description: text (Default: NULL) - Description of the occupation.
  + status\_id: int(11) (Default: NULL) - Status of the occupation.
* **Indexes**:
  + idx\_master\_occupation\_status\_id (status\_id)

**income**

* **Purpose**: Stores income details for beneficiaries.
* **Columns**:
  + income\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for income record.
  + beneficiary\_annual\_source\_id: int(11) (Default: NULL) - Foreign key referencing master\_occupation (beneficiary's primary income source).
  + earning\_members: int(11) (Default: NULL) - Number of earning members in the family.
  + family\_annual\_source\_id: int(11) (Default: NULL) - Foreign key referencing master\_occupation (family's primary income source).
  + earning\_range\_id: int(11) (Default: NULL) - Foreign key referencing earning\_range.
  + income\_description: text (Default: NULL) - General description of income.
  + status\_id: int(11) (Default: NULL) - Status of the income record.
  + created\_by: int(11) (Default: NULL) - Employee ID of the creator.
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + updated\_by: int(11) (Default: NULL) - Employee ID of the last updater.
  + updated\_at: datetime (Default: NULL) - Timestamp of last update.
* **Indexes**:
  + idx\_income\_beneficiary\_annual\_source\_id (beneficiary\_annual\_source\_id)
  + idx\_income\_family\_annual\_source\_id (family\_annual\_source\_id)
  + idx\_income\_earning\_range\_id (earning\_range\_id)
  + idx\_income\_status\_id (status\_id)
  + idx\_income\_created\_by (created\_by)
  + idx\_income\_updated\_by (updated\_by)

**master\_beneficiary**

* **Purpose**: Core table for all beneficiary master data.
* **Columns**:
  + beneficiary\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the beneficiary.
  + beneficiary\_code: varchar(100) (Default: NULL) - Unique code for the beneficiary.
  + name: varchar(225) (Default: NULL) - Full name of the beneficiary.
  + gender\_id: int(11) (Default: NULL) - Foreign key referencing gender.
  + dob: date (Default: NULL) - Date of birth.
  + mobile\_no: varchar(15) (Default: NULL) - Mobile number.
  + email\_id: text (Default: NULL) - Email address.
  + aadhaar\_no: int (Default: NULL) - Aadhaar card number.
  + permanent\_address: text (Default: NULL) - Free text for permanent address.
  + permanent\_address\_id: int(11) (Default: NULL) - Foreign key referencing address for structured address.
  + total\_family\_members: int(11) (Default: NULL) - Total number of family members.
  + education\_details\_id: int(11) (Default: NULL) - Foreign key referencing master\_education\_details.
  + income\_id: int(11) (Default: NULL) - Foreign key referencing income.
  + status\_id: int(11) (Default: NULL) - Status of the beneficiary record.
  + created\_by: int(11) (Default: NULL) - Employee ID of the creator.
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + updated\_by: int(11) (Default: NULL) - Employee ID of the last updater.
  + updated\_at: datetime (Default: NULL) - Timestamp of last update.
* **Indexes**:
  + idx\_master\_beneficiary\_gender\_id (gender\_id)
  + idx\_master\_beneficiary\_education\_details\_id (education\_details\_id)
  + idx\_master\_beneficiary\_income\_id (income\_id)
  + idx\_master\_beneficiary\_status\_id (status\_id)
  + idx\_master\_beneficiary\_permanent\_address\_id (permanent\_address\_id)
  + idx\_master\_beneficiary\_created\_by (created\_by)
  + idx\_master\_beneficiary\_updated\_at (updated\_at)

**master\_certification**

* **Purpose**: Stores information about certifications obtained by beneficiaries.
* **Columns**:
  + certification\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the certification.
  + beneficiary\_id: int (Default: NULL) - Foreign key referencing master\_beneficiary.
  + is\_certified: int (Default: NULL) - Flag indicating if certified (e.g., 0 for No, 1 for Yes).
  + certification\_name: text (Default: NULL) - Name of the certification.
  + certification\_description: text (Default: NULL) - Description of the certification.
  + status\_id: int(11) (Default: NULL) - Status of the certification record.
* **Indexes**:
  + idx\_master\_certification\_beneficiary\_id (beneficiary\_id)
  + idx\_master\_certification\_status\_id (status\_id)

#### **2.3. Program Management Tables**

These tables define programs, sub-programs, and their enrollment details.

**programs**

* **Purpose**: Defines the main social programs.
* **Columns**:
  + program\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the program.
  + program\_code: varchar(100) (Default: NULL) - Unique code for the program.
  + program\_name: varchar(100) (Default: NULL) - Name of the program.
  + status\_id: int(11) (Default: NULL) - Status of the program.
  + description: text (Default: NULL) - Description of the program.
  + created\_by: int(11) (Default: NULL) - Employee ID of the creator.
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + updated\_by: int(11) (Default: NULL) - Employee ID of the last updater.
  + updated\_at: datetime (Default: NULL) - Timestamp of last update.
* **Indexes**:
  + idx\_programs\_status\_id (status\_id)
  + idx\_programs\_created\_by (created\_by)
  + idx\_programs\_updated\_by (updated\_by)

**sub\_programs**

* **Purpose**: Defines sub-components or phases of main programs.
* **Columns**:
  + sub\_program\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the sub-program.
  + program\_id: int(11) (Default: NULL) - Foreign key referencing programs.
  + sub\_program\_name: varchar(100) (Default: NULL) - Name of the sub-program.
  + status\_id: int(11) (Default: NULL) - Status of the sub-program.
  + description: text (Default: NULL) - Description of the sub-program.
  + created\_by: int(11) (Default: NULL) - Employee ID of the creator.
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + updated\_by: int(11) (Default: NULL) - Employee ID of the last updater.
  + updated\_at: datetime (Default: NULL) - Timestamp of last update.
* **Indexes**:
  + idx\_sub\_programs\_program\_id (program\_id)
  + idx\_sub\_programs\_status\_id (status\_id)
  + idx\_sub\_programs\_created\_by (created\_by)
  + idx\_sub\_programs\_updated\_by (updated\_by)

**master\_outreach\_channels**

* **Purpose**: Master table for different outreach channels used to connect with beneficiaries.
* **Columns**:
  + outreach\_channel\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the outreach channel.
  + outreach\_channel: varchar(100) (Default: NULL) - Name of the outreach channel.
  + status\_id: int(11) (Default: NULL) - Status of the outreach channel.
* **Indexes**:
  + idx\_master\_outreach\_channels\_status\_id (status\_id)

**beneficiary\_programs**

* **Purpose**: Records the enrollment of beneficiaries into specific programs and sub-programs.
* **Columns**:
  + beneficiary\_program\_id: int(11) (PK, Not Null, Auto-increment) - Unique enrollment ID.
  + beneficiary\_id: int(11) (Default: NULL) - Foreign key referencing master\_beneficiary.
  + program\_id: int(11) (Default: NULL) - Foreign key referencing programs.
  + sub\_program\_id: int(11) (Default: NULL) - Foreign key referencing sub\_programs.
  + df\_associate: varchar(10) (Default: NULL) - Identifier for the DF associate.
  + df\_associate\_emp\_id: varchar(10) (Default: NULL) - Employee ID of the DF associate.
  + outreach\_channel\_id: int(11) (Default: NULL) - Foreign key referencing master\_outreach\_channels.
  + enrollement\_date: datetime (Default: NULL) - Date of enrollment.
  + enrollment\_status: int(11) (Default: NULL) - Status of the enrollment (e.g., active, completed).
  + created\_by: int (Default: NULL) - Employee ID of the creator.
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + status\_id: int(11) (Default: NULL) - General status of the record.
* **Indexes**:
  + idx\_beneficiary\_programs\_beneficiary\_id (beneficiary\_id)
  + idx\_beneficiary\_programs\_program\_id (program\_id)
  + idx\_beneficiary\_programs\_sub\_program\_id (sub\_program\_id)
  + idx\_beneficiary\_programs\_outreach\_channel\_id (outreach\_channel\_id)
  + idx\_beneficiary\_programs\_enrollment\_status (enrollment\_status)
  + idx\_beneficiary\_programs\_created\_by (created\_by)
  + idx\_beneficiary\_programs\_status\_id (status\_id)

#### **2.4. Employee & User Management Tables**

These tables handle employee details, roles, and system access.

**employees**

* **Purpose**: Stores current employee details for system users and administrators.
* **Columns**:
  + emp\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the employee.
  + employee\_number: varchar(50) (Default: NULL) - Employee's official number.
  + emp\_name: varchar(100) (Default: NULL) - Employee's full name.
  + work\_email: varchar(100) (Default: NULL) - Work email address.
  + password: text (Default: NULL) - Hashed password for login.
  + mobile: varchar(20) (Default: NULL) - Mobile number.
  + gender\_id: int(11) (Default: NULL) - Foreign key referencing gender.
  + entity: varchar(100) (Default: NULL) - Employee's entity/division.
  + department: varchar(100) (Default: NULL) - Employee's department.
  + job\_title: varchar(100) (Default: NULL) - Employee's job title.
  + manager\_emp\_id: int(11) (Default: NULL) - Employee ID of their manager.
  + band: varchar(30) (Default: NULL) - Employee's band/level.
  + pay\_grade: varchar(100) (Default: NULL) - Employee's pay grade.
  + work\_location: text (Default: NULL) - Employee's work location.
  + sended\_email: int(11) (Default: NULL) - Flag indicating if welcome/password email was sent.
  + status\_id: int(11) (Default: NULL) - Status of the employee record.
  + created\_by: int(11) (Default: NULL) - Employee ID of the creator.
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + updated\_by: int(11) (Default: NULL) - Employee ID of the last updater.
  + updated\_at: datetime (Default: NULL) - Timestamp of last update.
* **Indexes**:
  + idx\_employees\_gender\_id (gender\_id)
  + idx\_employees\_status\_id (status\_id)

**employee\_history**

* **Purpose**: Stores a historical record of changes to employee details.
* **Columns**:
  + emp\_hst\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for history record.
  + emp\_id: int(11) (Default: NULL) - Foreign key referencing employees (the employee whose history is recorded).
  + employee\_number: varchar(50) (Default: NULL)
  + emp\_name: varchar(100) (Default: NULL)
  + work\_email: varchar(100) (Default: NULL)
  + password: text (Default: NULL)
  + mobile: varchar(20) (Default: NULL)
  + gender\_id: int(11) (Default: NULL)
  + entity: varchar(100) (Default: NULL)
  + department: varchar(100) (Default: NULL)
  + job\_title: varchar(100) (Default: NULL)
  + manager\_emp\_id: int(11) (Default: NULL)
  + band: varchar(30) (Default: NULL)
  + pay\_grade: varchar(100) (Default: NULL)
  + work\_location: text (Default: NULL)
  + sended\_email: int(11) (Default: NULL)
  + status\_id: int(11) (Default: NULL)
  + created\_by: int(11) (Default: NULL)
  + created\_at: datetime (Default: NULL)
  + updated\_by: int(11) (Default: NULL)
  + updated\_at: datetime (Default: NULL)
* **Indexes**:
  + idx\_employee\_history\_emp\_id (emp\_id)
  + idx\_employee\_history\_status\_id (status\_id)

**roles**

* **Purpose**: Defines the different roles within the system.
* **Columns**:
  + role\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the role.
  + role\_name: varchar(50) (Default: NULL) - Name of the role (e.g., Administrator, Program Manager).
  + created\_at: datetime (Default: NULL) - Timestamp of creation.
  + create\_by: varchar(50) (Default: NULL) - User who created the role.
  + status\_id: int(11) (Default: NULL) - Status of the role.
  + description: text (Default: NULL) - Description of the role.
* **Indexes**:
  + idx\_roles\_status\_id (status\_id)

**emp\_roles**

* **Purpose**: Assigns roles to employees. An employee can have multiple roles.
* **Columns**:
  + emp\_role\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the employee-role assignment.
  + emp\_id: int(11) (Default: NULL) - Foreign key referencing employees.
  + role\_id: int(11) (Default: NULL) - Foreign key referencing roles.
  + created\_at: datetime (Default: NULL) - Timestamp of assignment.
  + created\_by: varchar(50) (Default: NULL) - User who made the assignment.
  + status\_id: int(11) (Default: NULL) - Status of the assignment.
* **Indexes**:
  + idx\_emp\_roles\_status\_id (status\_id)
  + idx\_emp\_roles\_role\_id (role\_id)
  + idx\_emp\_roles\_emp\_id (emp\_id)

**menus**

* **Purpose**: Defines menu items for the system's user interface.
* **Columns**:
  + menu\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the menu item.
  + parent\_id: int(11) (Default: NULL) - ID of the parent menu item for hierarchical menus.
  + menu\_name: varchar(50) (Default: NULL) - Display name of the menu item.
  + icon: varchar(255) (Default: NULL) - Icon associated with the menu item.
  + sort: varchar(50) (Default: NULL) - Sorting order for menu display.
  + create\_by: int(11) (Default: NULL) - Employee ID of the creator.
  + status\_id: int(11) (Default: NULL) - Status of the menu item.
  + action: varchar(30) (Default: NULL) - Action or URL associated with the menu item.
  + description: text (Default: NULL) - Description of the menu item.
* **Indexes**:
  + idx\_menus\_status\_id (status\_id)

**role\_menu**

* **Purpose**: Links roles to specific menu items, controlling menu visibility based on user roles.
* **Columns**:
  + role\_menu\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the role-menu association.
  + role\_id: int(11) (Default: NULL) - Foreign key referencing roles.
  + menu\_id: int(11) (Default: NULL) - Foreign key referencing menus.
  + status\_id: int(11) (Default: NULL) - Status of the association.
* **Indexes**:
  + idx\_role\_menu\_status\_id (status\_id)
  + idx\_role\_menu\_role\_id (role\_id)
  + idx\_role\_menu\_menu\_id (menu\_id)

**role\_actions**

* **Purpose**: Defines specific actions or permissions associated with roles.
* **Columns**:
  + role\_action\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the role-action association.
  + role\_id: int(11) (Default: NULL) - Foreign key referencing roles.
  + action: varchar(100) (Default: NULL) - The specific action or permission (e.g., 'create\_beneficiary', 'view\_reports').
  + status\_id: int(11) (Default: NULL) - Status of the action for the role.
* **Indexes**:
  + idx\_role\_actions\_role\_id (role\_id)
  + idx\_role\_actions\_status\_id (status\_id)

#### **2.5. Master Status Table**

This table provides standardized status definitions used across various other tables.

**master\_status**

* **Purpose**: Centralized lookup table for all system statuses.
* **Columns**:
  + status\_id: int(11) (PK, Not Null, Auto-increment) - Unique identifier for the status.
  + status\_name: varchar(100) (Default: NULL) - Name of the status (e.g., 'Active', 'Inactive', 'Pending', 'Approved').
  + description: text (Default: NULL) - Description of the status.

### **3. Relationships**

The following foreign key relationships connect the tables, ensuring data integrity and enabling complex queries across different entities.

* **address**
  + village\_id -> village.village\_id
  + taluka\_id -> taluka.taluka\_id
  + district\_id -> district.district\_id
  + state\_id -> state.state\_id
* **beneficiary\_programs**
  + beneficiary\_id -> master\_beneficiary.beneficiary\_id
  + program\_id -> programs.program\_id
  + sub\_program\_id -> sub\_programs.sub\_program\_id
  + status\_id -> master\_status.status\_id
  + enrollment\_status -> master\_status.status\_id
  + created\_by -> employees.emp\_id
  + outreach\_channel\_id -> master\_outreach\_channels.outreach\_channel\_id
* **district**
  + state\_id -> state.state\_id
  + status\_id -> master\_status.status\_id
* **emp\_roles**
  + status\_id -> master\_status.status\_id
  + role\_id -> roles.role\_id
  + emp\_id -> employees.emp\_id
* **employee\_history**
  + emp\_id -> employees.emp\_id
  + status\_id -> master\_status.status\_id
* **employees**
  + gender\_id -> gender.gender\_id
  + status\_id -> master\_status.status\_id
* **income**
  + created\_by -> employees.emp\_id
  + updated\_by -> employees.emp\_id
  + status\_id -> master\_status.status\_id
  + earning\_range\_id -> earning\_range.earning\_range\_id
  + beneficiary\_annual\_source\_id -> master\_occupation.occupation\_id
  + family\_annual\_source\_id -> master\_occupation.occupation\_id
* **master\_beneficiary**
  + gender\_id -> gender.gender\_id
  + education\_details\_id -> master\_education\_details.education\_details\_id
  + income\_id -> income.income\_id
  + status\_id -> master\_status.status\_id
  + permanent\_address\_id -> address.address\_id
  + created\_by -> employees.emp\_id
  + updated\_by -> employees.emp\_id
* **master\_certification**
  + beneficiary\_id -> master\_beneficiary.beneficiary\_id
  + status\_id -> master\_status.status\_id
* **master\_education\_details**
  + status\_id -> master\_status.status\_id
  + education\_level\_id -> master\_education\_levels.education\_level\_id
* **master\_education\_levels**
  + status\_id -> master\_status.status\_id
* **master\_occupation**
  + status\_id -> master\_status.status\_id
* **master\_outreach\_channels**
  + status\_id -> master\_status.status\_id
* **menus**
  + status\_id -> master\_status.status\_id
* **programs**
  + status\_id -> master\_status.status\_id
  + created\_by -> employees.emp\_id
  + updated\_by -> employees.emp\_id
* **role\_actions**
  + role\_id -> roles.role\_id
  + status\_id -> master\_status.status\_id
* **role\_menu**
  + status\_id -> master\_status.status\_id
  + role\_id -> roles.role\_id
  + menu\_id -> menus.menu\_id
* **roles**
  + status\_id -> master\_status.status\_id
* **state**
  + status\_id -> master\_status.status\_id
* **sub\_programs**
  + program\_id -> programs.program\_id
  + status\_id -> master\_status.status\_id
  + created\_by -> employees.emp\_id
  + updated\_by -> employees.emp\_id
* **taluka**
  + district\_id -> district.district\_id
  + status\_id -> master\_status.status\_id
* **village**
  + taluka\_id -> taluka.taluka\_id
  + status\_id -> master\_status.status\_id

### **4. Conclusion**

This documentation provides a comprehensive overview of the DF Reach System database schema. The design prioritizes clear data organization, efficient relationships between entities, and scalability to support the system's mission of effective program management and beneficiary outreach.