**Software Requirements Specification**

**For**

[**Integrated**](http://192.168.10.125:8080/share/page/site/erp-solution-for-wage-earners-w/dashboard) **Digital Delivery Service Platform For**

**Ministry of Agriculture**

**Component 8: Irrigation, Water & Scheme Management System**

|  |  |
| --- | --- |
| **Prepared By** | **Syntech Solution Limited** |
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| Version | 1.0 |
| Document Link | https://drive.google.com/drive/u/1/folders/1PVTXQgchaSY\_NE7CaBENfbBIMotBx9sD |

**REVISION HISTORY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ver. #** | **Date of Release** | **Prepared By** | **Reviewed By** |
| 1.0 | 12.11.2020 | Md Amirul Islam Nadim | Rashed Ahmed |
| Limon Biswas |

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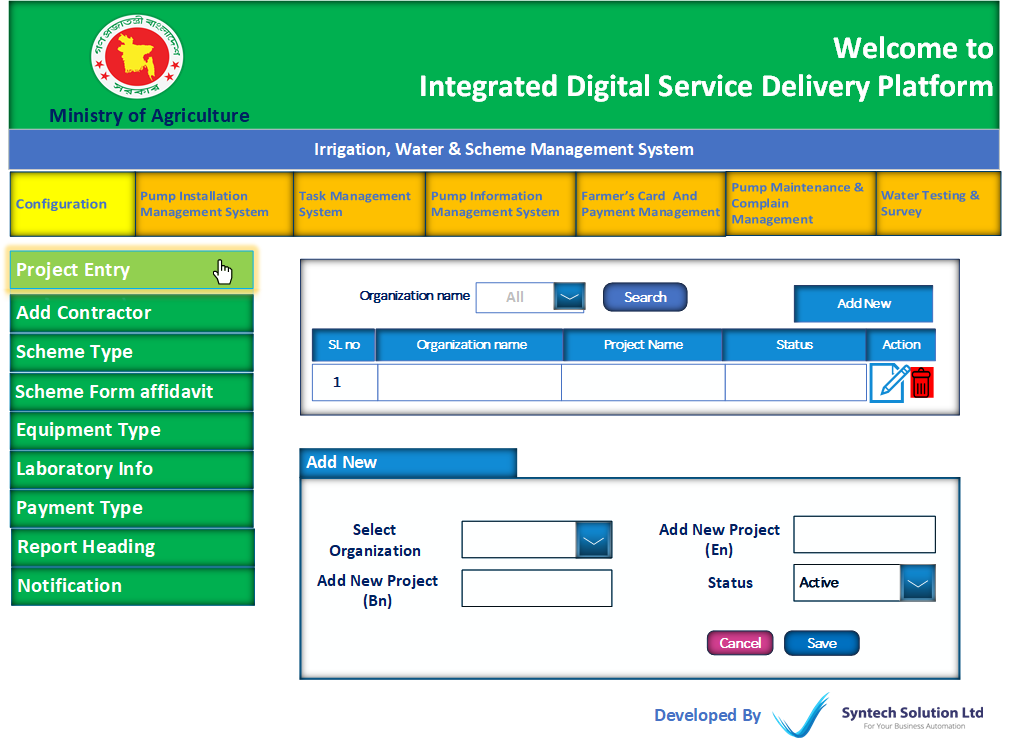
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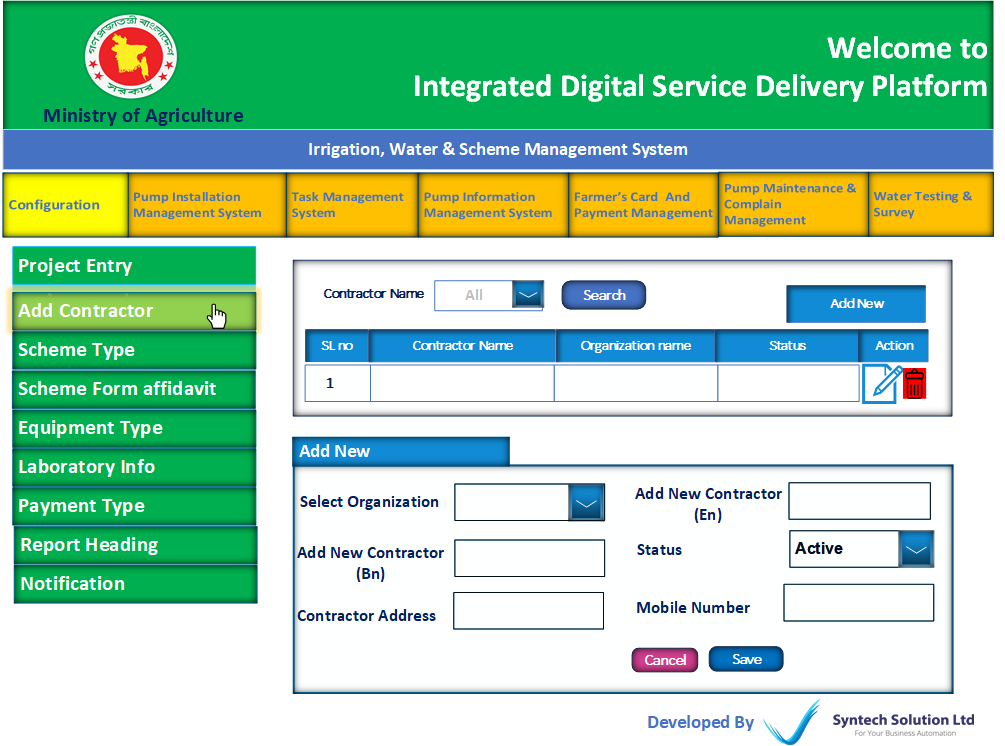
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# **Configuration**

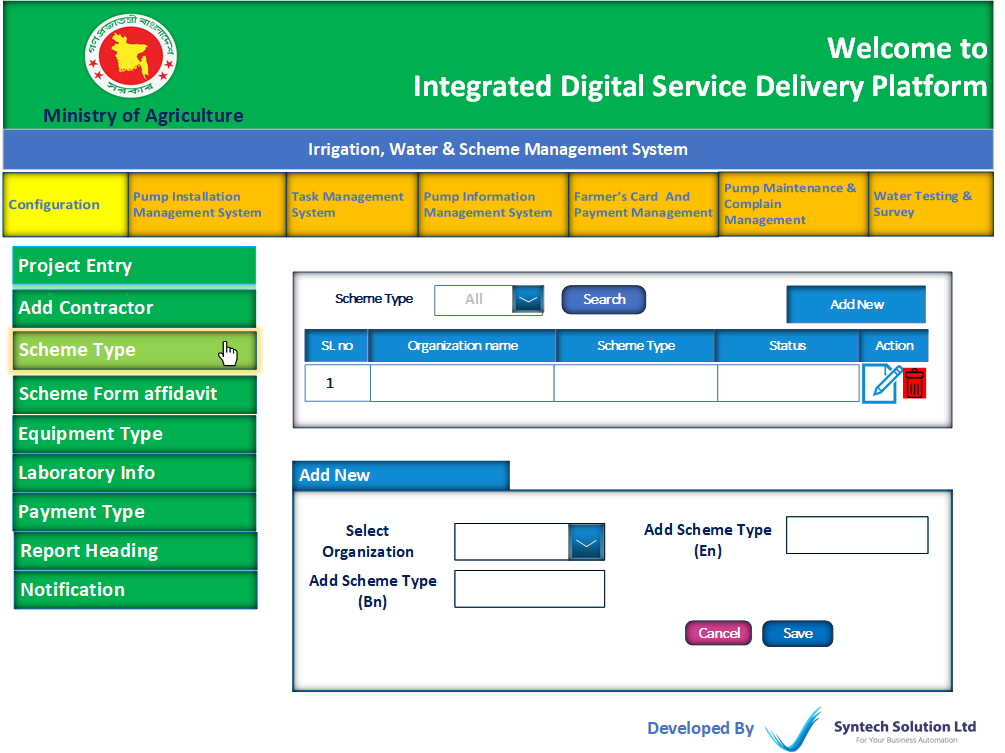
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| --- | --- | --- | --- |
| Project Entry | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Add New Project (En) | Varchar | N/A | Yes |
| Add New Project (Bn) | Varchar | N/A | Yes |
| Status | N/A | N/A | Yes |
| (Table Format)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | SL No | Project Name | Organization Name | Status | Action | |  |  |  |  | Edit / Delete | | | | |



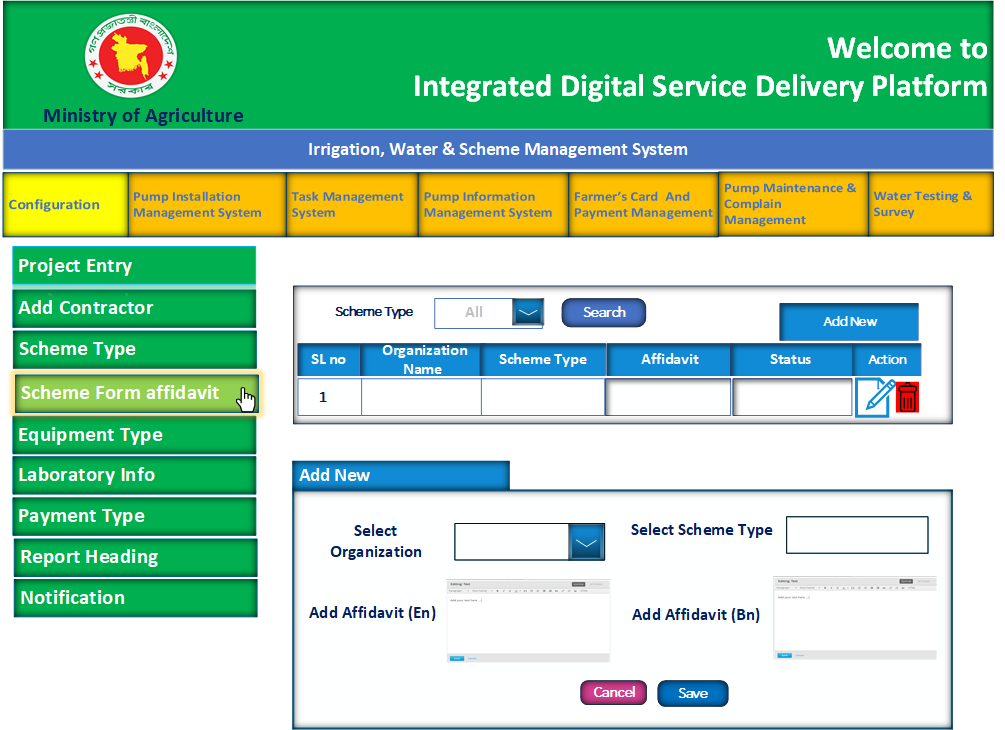
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| Add Contractor | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Add New Contractor (En) | Varchar | N/A | Yes |
| Add New Contractor (Bn) | Varchar | N/A | Yes |
| Contractor Address | Varchar | N/A | Yes |
| Mobile Number | Int | N/A | Yes |
| Status | N/A | N/A | Yes |
| (Table Format)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | SL No | Contractor Name | Organization Name | Status | Action | |  |  |  |  | Edit / Delete | | | | |



|  |  |  |  |
| --- | --- | --- | --- |
| Scheme Type | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Add Scheme Type (EN) | Varchar | N/A | Yes |
| Add Scheme Type (Bn) | Varchar | N/A | Yes |
| (Table Format)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | SL No | Organization Name | Scheme Type | Status | Action | |  |  |  |  | Edit / Delete | | | | |



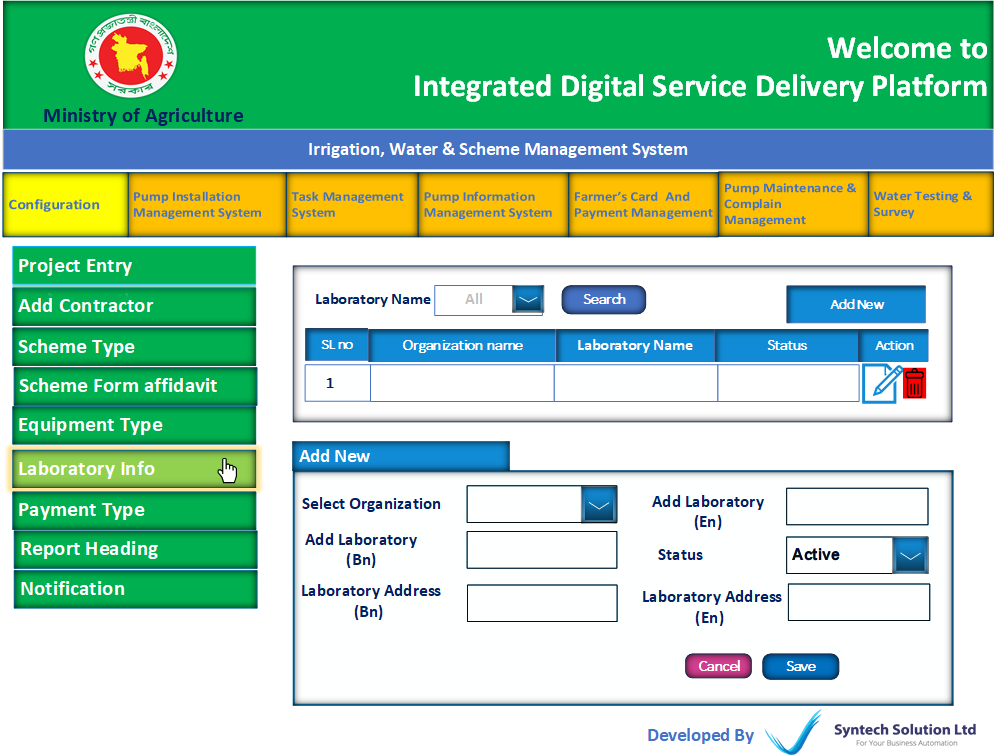
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| --- | --- | --- | --- |
| Scheme Form affidavit | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Select Scheme Type | Varchar | N/A | Yes |
| Add Affidavit (En) | Text Editor | N/A | Yes |
| Add Affidavit (Bn) | Text Editor | N/A | Yes |
| (Table Format)   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SL No | Organization Name | Scheme Type | Affidavit | Status | Action | |  |  |  |  |  | Edit / Delete | | | | |



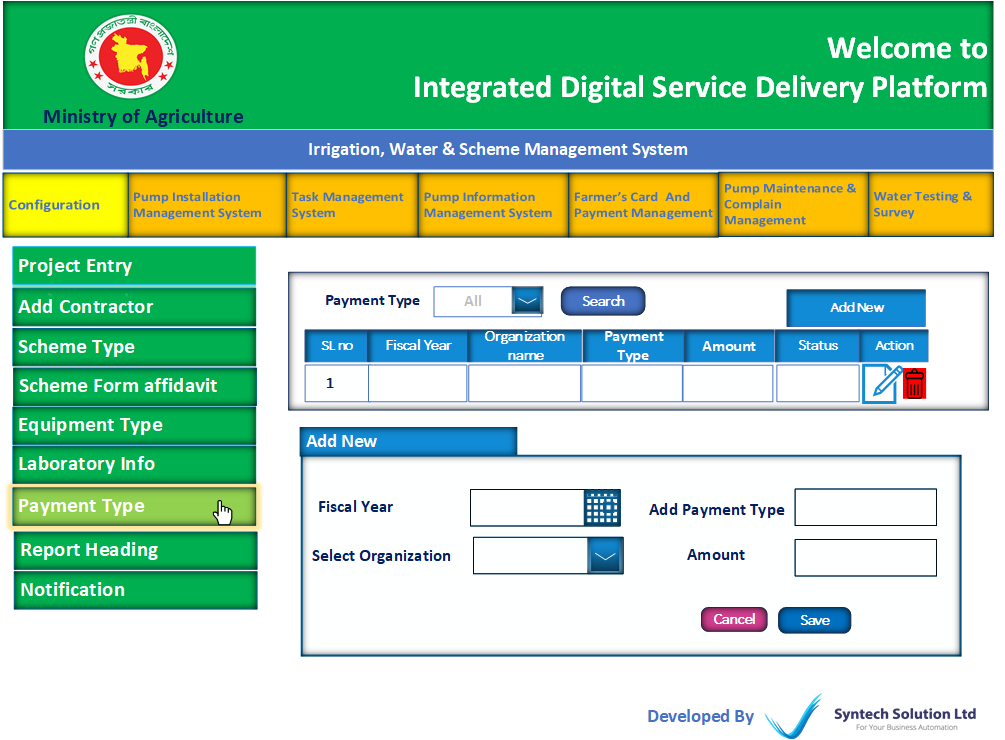
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| Equipment Type | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Add Equipment Type (En) | Varchar | N/A | Yes |
| Add Equipment Type (Bn) | Varchar | N/A | Yes |
| Status | N/A | N/A | Yes |
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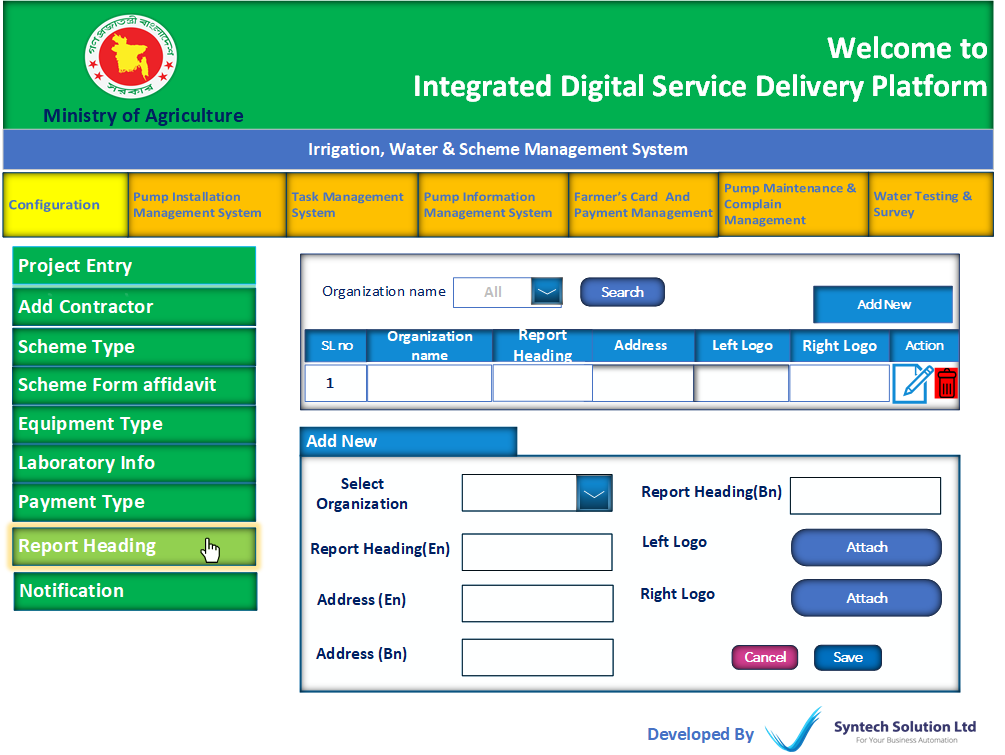
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| Laboratory Info | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Add Laboratory (En) | Varchar | N/A | Yes |
| Add Laboratory (Bn) | Varchar | N/A | Yes |
| Laboratory Address (En) | Varchar | N/A | Yes |
| Laboratory Address (Bn) | Varchar | N/A | Yes |
| Status | N/A | N/A | Yes |
| (Table Format)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | SL No | Organization Name | Laboratory Name | Status | Action | |  |  |  |  | Edit / Delete | | | | |



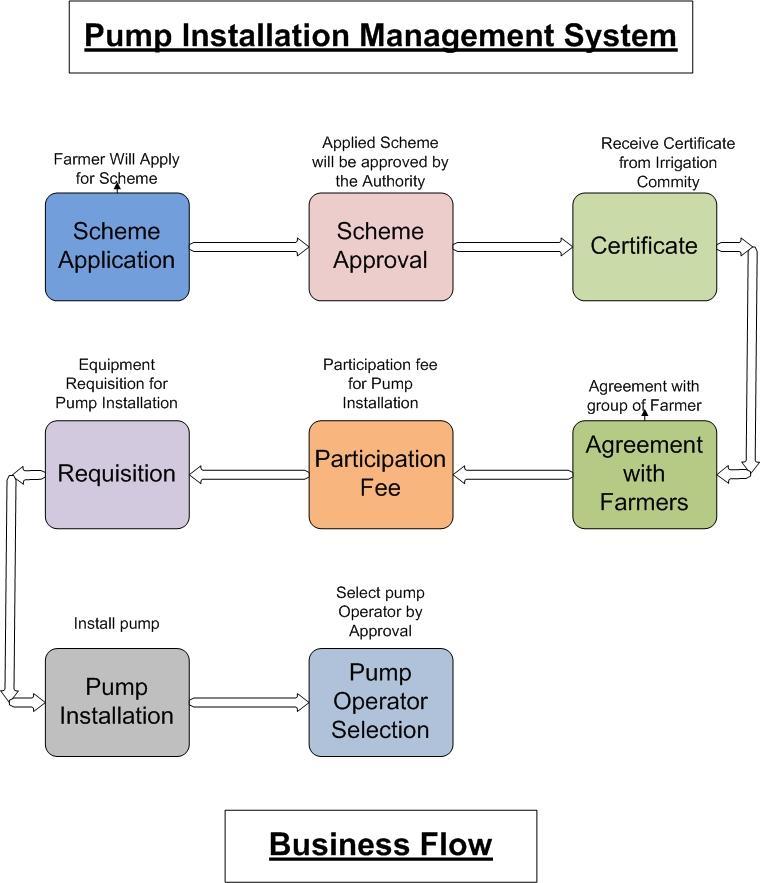
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| --- | --- | --- | --- |
| Payment Type | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Fiscal Year | N/A | N/A | Yes |
| Select Organization | N/A | N/A | Yes |
| Add Payment Type | Varchar | N/A | Yes |
| Amount | float | N/A | Yes |
| (Table Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SL No | Fiscal Year | Organization Name | Payment Type | Amount | Status | Action | |  |  |  |  |  |  | Edit / Delete | | | | |



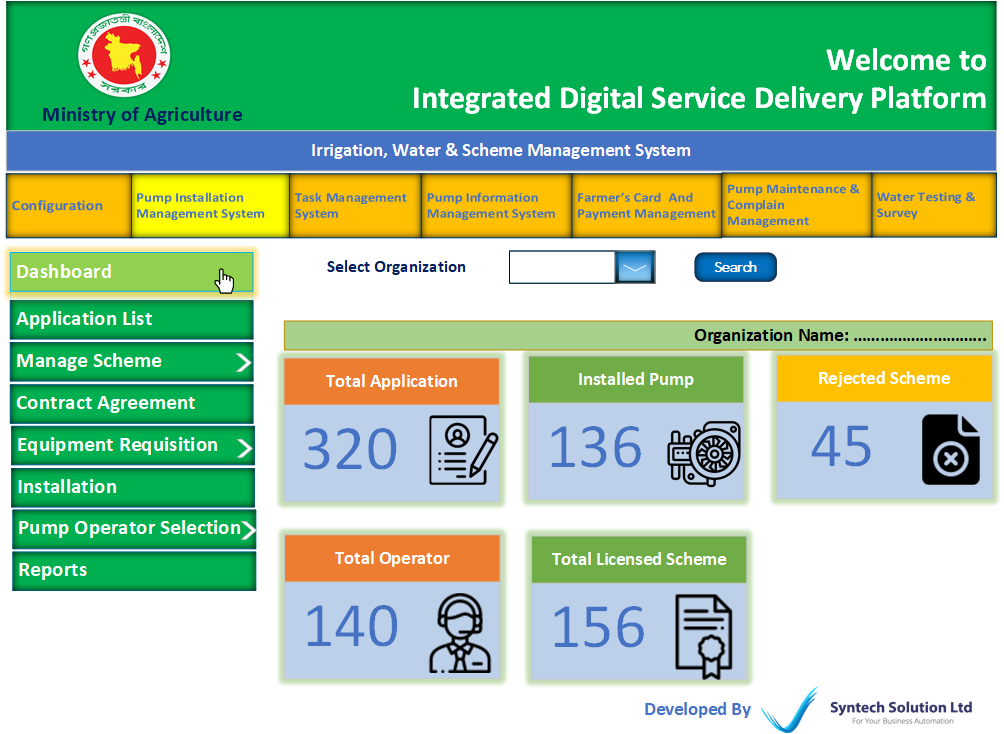
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| --- | --- | --- | --- |
| Report Heading | | | |
| Field Name | Data Type | Data Length | Mandatory (Yes/No) |
| Select Organization | N/A | N/A | Yes |
| Report Heading (En) | Varchar | N/A | Yes |
| Report Heading(Bn) | Varchar | N/A | Yes |
| Left Logo | N/A | N/A | Yes |
| Right Logo | N/A | N/A | Yes |
| Address (En) | Varchar | N/A | Yes |
| Address (Bn) | Varchar | N/A | Yes |
| (Table Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization Name | Report Heading | Address | Left Logo | Right Logo | Action | |  |  |  |  |  |  | Edit / Delete | | | | |



# **Pump Installation Management System (Module)**



## **Dashboard**



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Application List (Feature)**  * All scheme applications will appear here. * Here User can assign a project, Review Application, Reject the Application, add inspection report, direct approve or present for approval.   (Table Format)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Scheme manager Name | Number of Farmer  (Using Water) | Irrigation type (Deep Tubewell/Surface Water) | District | View Application | Attached Document (link) | Project | Inspection Report | Status | Action | | 01 | 0023 | Arif | 16 | Deep Tubewell | Rangpur | View (Button) | link | Assign Project  (Button) | Show Report | Pending,/Reject/Reviewed/ Approved | Review (Button),  Inspection Report (Button),  Reject (Button),  Approve (Button),  Present (Button) |  |  |  |  |  | | --- | --- | --- | --- | | Assign Project (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Assign Project | N/A | N/A | Yes |  |  |  |  |  | | --- | --- | --- | --- | | Review (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | Yes |  * Review action will appear in the service receiver panel.  |  |  |  |  | | --- | --- | --- | --- | | Inspection Report (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Inspection Date | Date | N/A | Yes | | Applicant’s Name | N/A | N/A | Yes | | Irrigation Type | N/A | N/A | Yes | | Scheme Address | N/A | N/A | Yes | | Other Note (Add More) | Varchar | N/A | Yes | | Suggestion | Varchar | N/A | Yes |  |  |  |  |  | | --- | --- | --- | --- | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes |  * Review action will appear in the service receiver panel. |
| **Manage Scheme (Feature)**  * Here will show all approved schemes.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Approved for license application (Sub Feature) (Table Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Scheme Type | Scheme manager Name | Irrigation type | District | View  Application | Attached Document (link) | Apply for license | | 01 | 0020 | Solar | Arif | Deep Tubewell | Rangpur | View (Button) | link | Apply (Button) |  * User can apply for irrigation license, manage with component-1 (License, Registration, Clearance, & Certification Management System) / manually. |  |  | | --- | | Pending License Application (Sub Feature) |  * Here will show All pending license Application * Users can Attach License with license number after getting license manually.   (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Scheme Name | Scheme manager Name | Irrigation type | District | Applied application list | Attached Document | Attach License | View License | |  |  |  |  |  |  | View (Button) | link | Attach License (Button) | View (Button) |   .   |  |  |  |  | | --- | --- | --- | --- | | Attach License (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | License No | Varchar | N/A | Yes | | issue Date | Date | N/A | Yes | | Attach Document | N/A | N/A | Yes | |

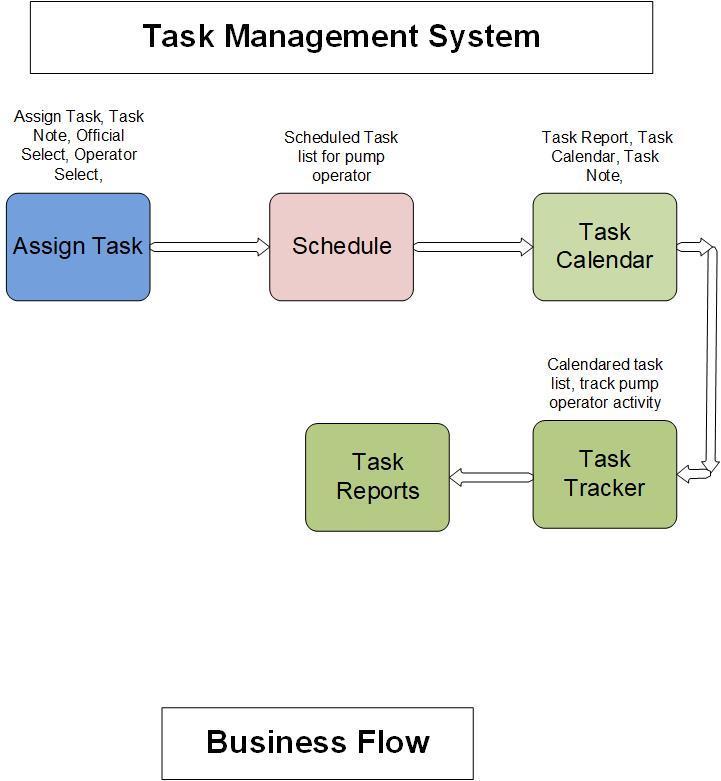
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Contract Agreement (Feature)**  * Here will show all licensed applications which have paid participation fees. * Users will get a predefined agreement format with the text editor. * After signing the agreement the user will attach the signed document for archive.   Pending Agreement List(Table Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Scheme manager Name | District | License No. | Applied application | Attached Document  (link) | Make agreement | Signed Agreement Attachment | | 1 | 001 | MD.  Karim |  |  | View (Button) | link | Agreement  Details | Attachment  (Button) |  |  |  |  |  | | --- | --- | --- | --- | | Make Agreement (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Agreement Details | Text Editor | N/A | Yes | | Save Cancel Print | | | |  |  |  |  |  | | --- | --- | --- | --- | | Attachment (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Agreement Date | Date | N/A | Yes | | Attach Document | N/A | N/A | Yes | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Requisition (Feature)**  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Irrigation Equipment Requisition (Sub Feature)  * Here user can make requisition for the selected pump * Users also can approve and present for approval.   (Table Format)   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Scheme manager Name | Address | License No. | Applied application list | Attached Document  (link) | Requisition | Status | View Requisition | Action | |  |  |  |  |  | View (Button) | link | New Requisition,  Edit Requisition | Supply/Reject | Link | Approve,  Reject,  Present, |  * After approval of any requisition the “Edit Requisition” button will Not work. * After requisition entry, then enable the action button. * After supply and rejection from the store keeper, here will show the date and Notes. * Present button will redirect to e-Nothi.   New Requisition (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Enter Equipment (Add More) | Varchar | N/A | Yes | | Note | Varchar | N/A | Yes |  * Here user can add more field  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Supply Equipment (Sub Feature)  * Approved requisition list will show here. * Store keepers can supply or reject with relevant Notes.   (Table Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SL No | Requisition  ID | Address | View Requisition | Supply Note | Reject Note (if) | Action | |  |  |  | View (Button) |  |  | Supply (Button)  Reject (Button) |   Supply (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Supply Note | Varchar | N/A | Yes |   Reject (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes | |

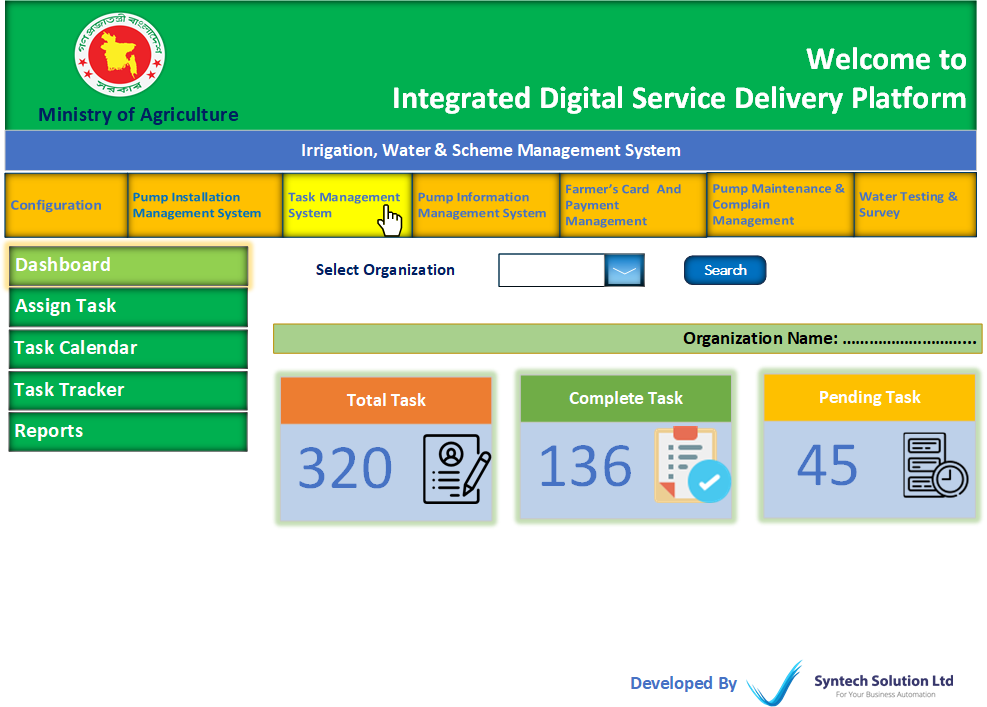
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| **Pump Installation (Feature)**  * Here will show all agreement signed scheme list * User can update installation step with date range  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Scheme ID | Scheme manager Name | Irrigation  Type | District | View Application | Attached Document  (link) | License View | Installation Status | Action | |  |  |  |  |  | View (Button) | link | Link | Pending | Update Progress (Button) |   Update Progress (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Assign Contractor | Varchar | N/A | Yes | | Excavation | Checkbox | N/A | No | | Date Range | Date | N/A | No | | Layer | Checkbox | N/A | No | | Date Range | Date | N/A | No | | Lowering | Checkbox | N/A | No | | Date Range | Date | N/A | No | | T & T | Checkbox | N/A | No | | Date Range | Date | N/A | No | | Pump House | Checkbox | N/A | No | | Date Range | Date | N/A | No | | Electricity | Checkbox | N/A | No | | Date Range | Date | N/A | No | |

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| **Pump Operator Selection (Feature)**  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | New Application Lists (Sub Feature)  * Here will show a new application from the service receiver panel. * Here can approve, reject or present for approval   (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Operator Name | Pump Address | Mobile number | View Application | Status (Pending, Reject, Selected, Active) | Security fee Payment | Reject Note(if) | Action | |  |  |  |  |  | View (Button) |  | Amount |  | Approve (Button),  Reject (Button),  Present (Button) |  * Apply of “Approve” button will appear as “selected” in status. And the operator will get a participation payment Notification. * ”Active” Status will show after payment of Security fee from operator. * Apply of “Present” Button will redirect to E-Nothi System.  |  |  |  |  | | --- | --- | --- | --- | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Renew Application Lists (Sub Feature) (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Operator ID | Operator Name | Pump Address | Mobile number | View Application | Status (Pending, Reject, Selected, Active) | Renew fee Payment | Reject Note(if) | Action | |  |  |  |  |  | View (Button) |  | Amount |  | Approve (Button),  Reject (Button),  Present (Button) |  * Apply of “Approve” button will appear as “selected” in status. And the operator will get a participation payment Notification. * ”Active” Status will show after Approval. * Apply of “Present” Button will redirect to E-Nothi System. | | | | | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes | |
| **Reports (Feature)**  * Here user can search reports.  |  |  |  |  | | --- | --- | --- | --- | | Scheme Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Scheme Status | N/A | N/A | No | | Organization | N/A | N/A | No | | Division | N/A | N/A | No | | Upazilla | N/A | N/A | No | | Union | N/A | N/A | No | | Date From | N/A | N/A | No | | Date To | N/A | N/A | No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Scheme Report (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Applicant ID | Applicant Name | Address | Mobile number | View Application | Attachment | Inspection Report | Notes | Status | |  |  |  |  |  | View (Button) | Link |  |  |  | |  |  |  |  |  | | --- | --- | --- | --- | | Payment Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Payment Type  (Scheme form fees/Participation fees/Operator Security Money/Operator Renewal fees) | N/A | N/A | No | | Date From | Date | N/A | No | | Date To | Date | N/A | No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Payment Report (Table Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization | Payment type | Payment date | Paid From | Status | Info | |  |  |  |  |  |  | Link | |  |  |  |  |  | | --- | --- | --- | --- | | Pump Operator Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Status  (Pending Application/Rejected ApplicatioN/Approved application) | N/A | N/A | No | | Division | N/A | N/A | No | | District | N/A | N/A | No | | Upazila | N/A | N/A | No | | Union | N/A | N/A | No | | Date From | N/A | N/A | No | | Date To | N/A | N/A | No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Pump Operator Report (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization | Applicant Pump Operator ID | Applicant Pump Operator name | Pump Address | Payment status | Scheme License No | Application Status | View Application | Notes | |  |  |  |  |  |  |  |  |  |  | | |

# **Task Management System (Module)**



## **Dashboard**



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Assign Task (Feature)**  * Here user can create a new task for pump operator and officials individually.   Create New Task (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization Name | N/A | N/A | Yes | | Task Name | Varchar | N/A | Yes | | Task for Operator/Officials   * Operator ID/Officials ID | Checkbox | N/A | Yes | | Task Schedule | Date/Time | N/A | Yes | | Task Note | Varchar | N/A | N/A | | Attachment | N/A | N/A | No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Task List (Table Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Task ID | Task Name | Project Name | Responsible | Attachment | Schedule | Status  (Pending, Complete, Calendared) | Action | | 01 | 002 | maintenance | …… | Arif | Link | On Time: 05 am  Off Time: 05 pm | Pending | Edit (Button),  Delete (Button), | | |

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| **Task Calendar (Feature)**  * Here assigned officials will report his/her task.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Task List (Table Format)   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Task Id | Task Name | Project Name | Schedule | Attachment | Task Note | Review Note | Status  (Pending, Complete, Verified) | Task Calendar Date | Action | | 01 | 002 | Maintenance | ….. | On Time: 05 am  Off Time: 05 pm | Link |  | Review  (From Task Tracker) | (From Task Tracker) | (From Task Report button) | Task Report  (Button) | |   Task Report (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Task Completion  (Complete, Partial) | N/A | N/A | Yes | | Attachment | N/A | N/A | No | | Note | N/A | N/A | Yes | | Date | N/A | N/A | Yes | |

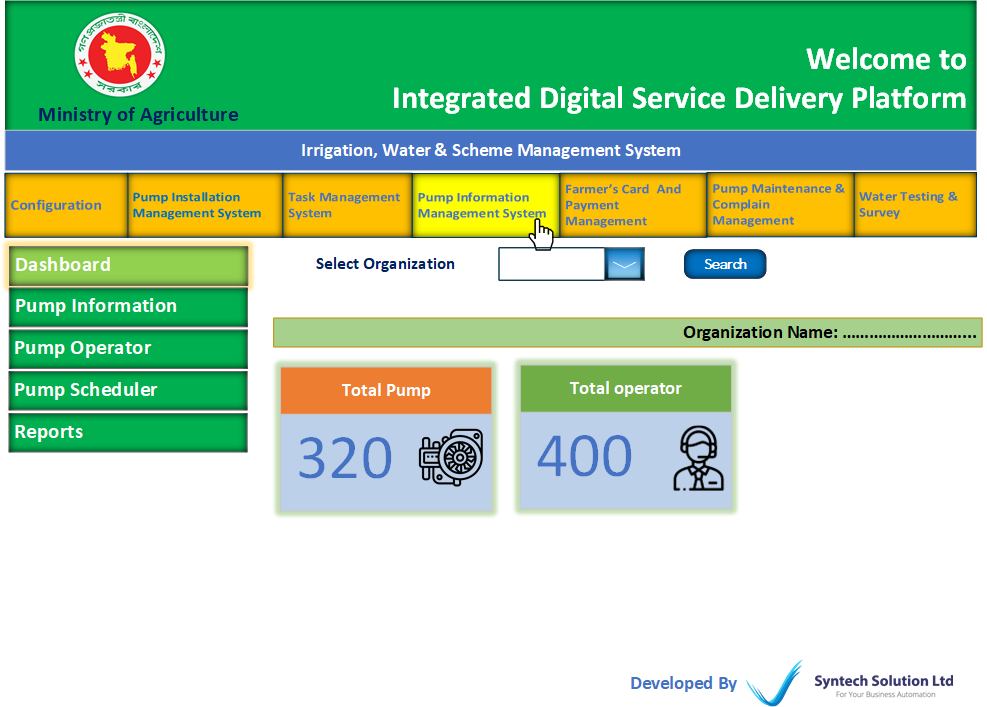
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| **Task Tracker (Feature)**  * Here can track all task with report, attachment and Note. * User can verify and review every single task.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Assigned Task List (Table Format)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Task Id** | **Task Name** | **Project Name** | **Responsible** | **Attachment** | **Schedule** | **Task Report** | | | | | | **Status (Partial, Complete)** | **Attachment** | **Note** | **Calendar Date** | **Action** | | 01 | 002 | Maintenance | ….. | Arif | Link |  | Partial | Link |  | On Time: 05 am  Off Time: 05 pm | Verify (Button),  Review, (Button) | |   Review (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | Yes | |

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| **Reports (Feature)**  * User can search for any report.  |  |  |  |  | | --- | --- | --- | --- | | Task Status Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Task ID | Varchar | N/A | No | | Task Status | N/A | N/A | No | | Date From | Date | N/A | No | | Date To | Date | N/A | No |   Task Status Report (Table Format)   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Task Id** | **Task Name** | **Project Name** | **Responsible** | **Attachment** | **Schedule** | **Task Report** | | | | | **Status (Partial, Complete)** | **Attachment** | **Note** | **Calendar Date** | | 01 | 002 | Maintenance | …. | Arif | Link | On Time: 05 am  Off Time: 05 pm | Partial | Link |  | On Time: 05 am  Off Time: 05 pm | |

# **Pump Information Management System**



## **Dashboard**

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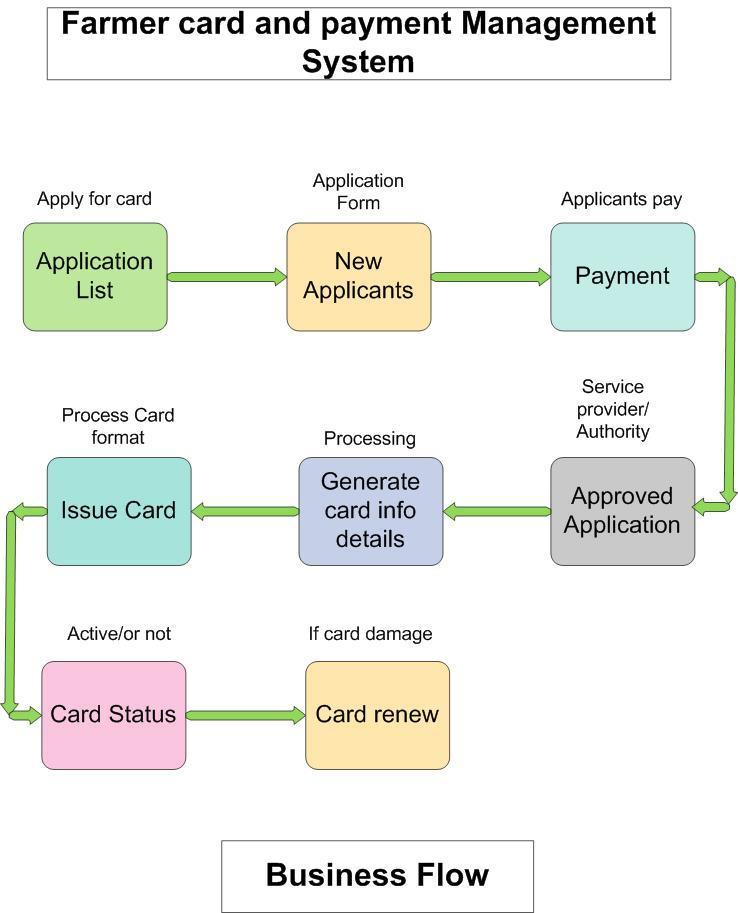
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| **Pump Information (Feature)**  * Here is entry field of pump information with GEO Location   Add New Pump (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | Varchar | N/A | Yes | | Pump ID | Int | N/A | Yes | | Select Project | Varchar | N/A | No | | District | Varchar | N/A | Yes | | Upazila | Varchar | N/A | Yes | | Union | Varchar | N/A | Yes | | Land owner Name | Varchar | N/A | Yes | | Add GEO Location | vector | N/A | Yes | | Status | N/A | N/A | Yes | |

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| **Pump Operator (Feature)**  * Here is entry field of Pump Operator of Pump Operator   Add Pump Operator (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Pump ID | Int | N/A | Yes | | Operator Name | Varchar | N/A | Yes | | District | Varchar | N/A | Yes | | Upazila | Varchar | N/A | Yes | | Union | Varchar | N/A | Yes | | Mobile No | Int | N/A | Yes | | Email Address | Varchar | N/A | No | | Add GEO Location | vector | N/A | Yes | |

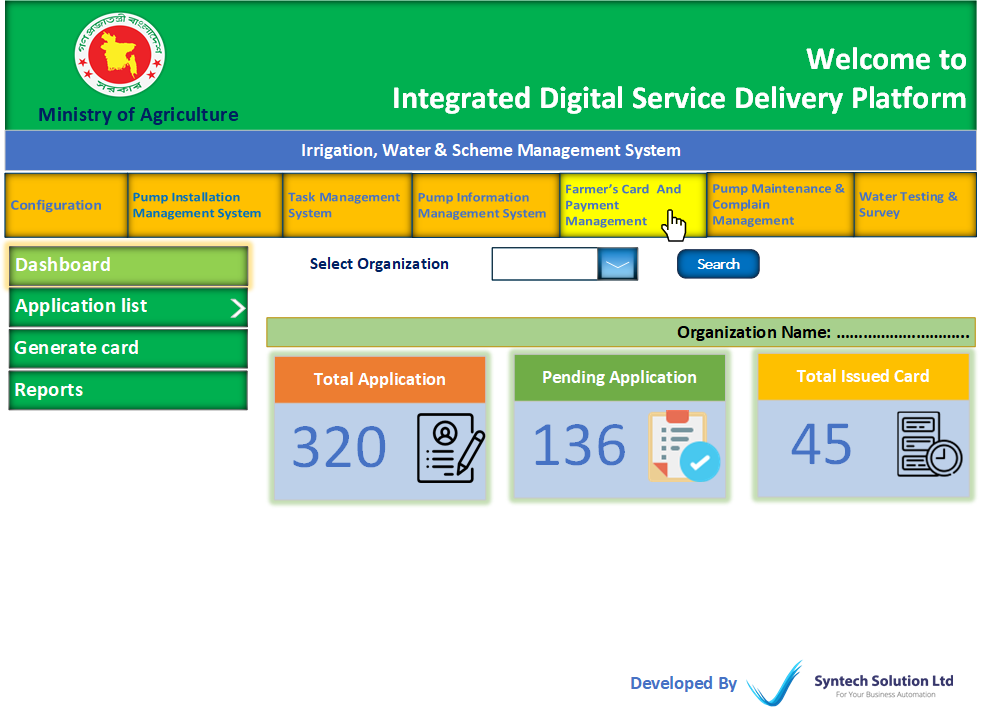
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| **Pump Scheduler (Feature)**  * Here user can on/off schedule for individual pump.   Pump Scheduler (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Division | N/A | N/A | Yes | | District | N/A | N/A | Yes | | Upazilla | N/A | N/A | Yes | | Search Pump ID | N/A | N/A | Yes | | Pump On Time | Time picker | N/A | Yes | | Pump Off Time | Time picker | N/A | Yes | |

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| **Reports (Feature)**  * Here user can search reports.  |  |  |  |  | | --- | --- | --- | --- | | Pump Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | District | N/A | N/A | No | | Upazila | N/A | N/A | No | | Union | N/A | N/A | No | | Pump ID | N/A | N/A | No |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Pump Report (Report Format) | | | | | | | SL | Pump ID | District | Pump Location | Land owner Name | Status | |  |  |  | Link |  |  |  |  |  |  |  | | --- | --- | --- | --- | | Pump Operator Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | N/A | | District | N/A | N/A | N/A | | Upazila | N/A | N/A | N/A | | Union | N/A | N/A | N/A | | Pump Operator ID | N/A | N/A | N/A |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Pump Operator Report (Report Format) | | | | | | | SL | Pump Operator ID | Operator Name | Operator Location | Pump Location | Status | |  |  |  | Link |  |  | |

# **Farmer’s Card and Payment Management (Module)**



## **Dashboard**

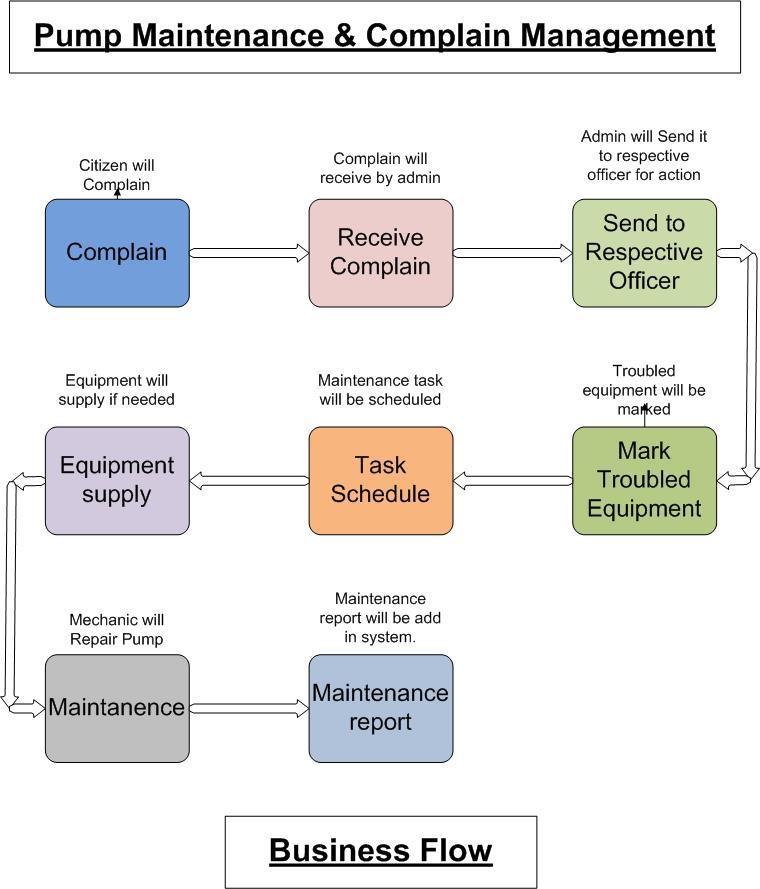


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| **Application List (Feature)**  * Here will show all application lists applied from the service receiver panel. * Users can Review, Reject, Approve or present for approval.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | New application Lists (Sub Feature) (Table Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Applicant Name | Address | Application Date | View Application | Attached Document (link) | Status | Action | | 1 |  |  |  |  | View (Button) | link | Pending, Reject, Approved | Review (Button),  Reject (Button),  Approve (Button),  Present (Button) |  |  |  |  |  | | --- | --- | --- | --- | | Review (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | Yes |  * Review action will show in the Service receiver panel.  |  |  |  |  | | --- | --- | --- | --- | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes |  * Reject action will show in the Service receiver panel. |  |  | | --- | | Renew Application Lists (Sub Feature)  * Here will show all Renew application lists applied from the service receiver panel. * Users can Review, Reject, Approve or present for approval. |   (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Card No | Applicant Name | Address | Application Date | View Application | Attached Document (link) | Status | Action | | 1 |  |  |  |  |  | View (Button) | link | Pending, Reject, Approved | Review (Button),  Reject (Button),  Approve (Button),  Present (Button) |  |  |  |  |  | | --- | --- | --- | --- | | Review (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | N/A |  * Review action will show in the Service receiver panel.  |  |  |  |  | | --- | --- | --- | --- | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes |  * Reject action will show in the Service receiver panel. |

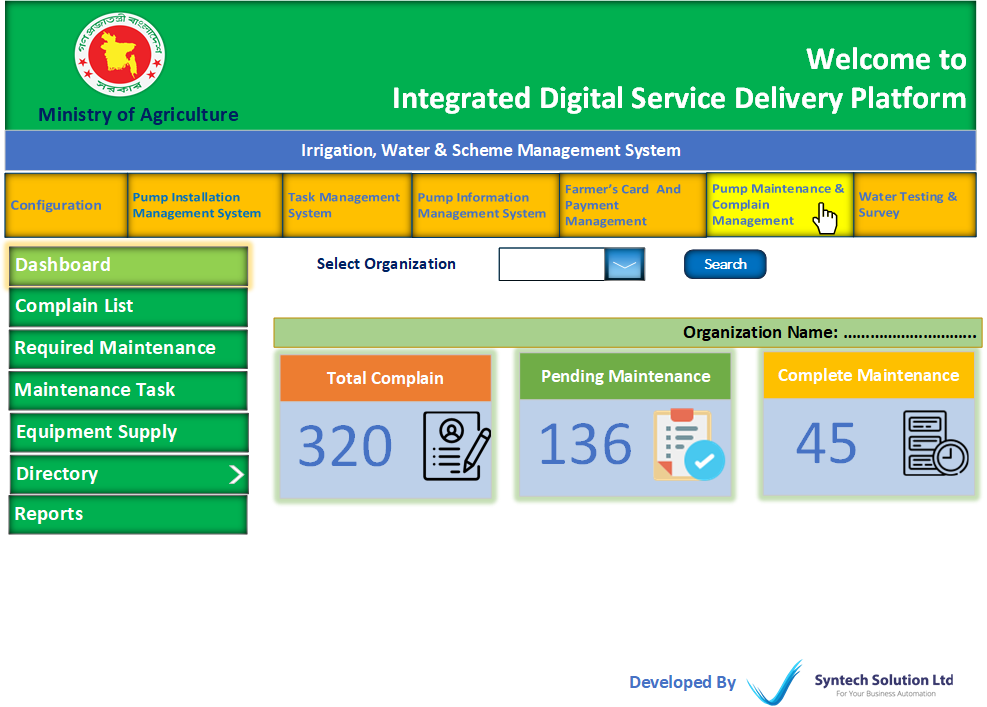
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| **Generate Card (Feature)**  * Here will show the approved application list. * System will auto generate cards and show them with links. * Users can issue cards.   Approved Application List (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Applicant Name | Application Type | Address | View Application | Attached Document (link) | Generated Card | Action | Checkbox | | 1 |  |  |  |  | View (Button) | link | Link | Issue Card (Button) | Select All for issue card one shot | |

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| **Reports (Feature)**  * User can search reports.  |  |  |  |  | | --- | --- | --- | --- | | Application Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | N/A | | ID | N/A | N/A | N/A | | Application Type | N/A | N/A | N/A | | Status | N/A | N/A | N/A | | Date From | N/A | N/A | N/A | | Date To | N/A | N/A | N/A |   Application Report (Report Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization | Application ID | Applicant Name | Application Type | Status | View Application | Attached Document (link) | Generated Card | | 1 |  |  |  |  |  | View (Button) | link | Link |  |  |  |  |  | | --- | --- | --- | --- | | Payment Collection Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | N/A | | ID | N/A | N/A | N/A | | Application Type | N/A | N/A | N/A | | Date From | N/A | N/A | N/A | | Date To | N/A | N/A | N/A |   Payment Collection Report (Report Format)   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization | Payment Type | Amount | Payment Date | Applicant Name | View Application | Attached Document (link) | | 1 |  |  |  |  |  | View (Button) | link | |

# **Pump Maintenance & Complain Management (Module)**



## **Dashboard**

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| **Complain List (Feature)**  * Here will show all complain list from service receiver panel * Users can Close, Present and send for maintenance.   Complain List (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Organization** | **Complain ID** | **Complained by** | **District** | **Subject** | **Date** | **View Complain** | **Attachment** | **Action** | |  |  |  |  |  |  |  | View (Button) | Link | Close (Button)  Present (Button),  Send (Button),  Review (Button) |  * Apply of “Send” Button, the file will go to the “Required Maintenance” (Feature) for farther action.   Close (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Close Note | Varchar | N/A | Yes |   Review (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | Yes | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Required Maintenance (Feature)**  * Here will show the Maintenance required list from the complaint list. * Users can close, add troubled equipment & Send for tasks. * This feature is for the person who can get information about troubled equipment and add for maintenance.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Maintenance List (Table Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Complain ID** | **Complained by** | **District** | **Subject** | **Date** | **View Complain** | **Attachment** | **Action** | |  |  |  |  |  |  | View (Button) | Link | Close (Button)  Add Equipment (Button),  Send for Task (Button) |  * Apply of “Send for Task” Button, the file will go to “Maintenance Task” Feature for farther action |   Close (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Close Note | Varchar | N/A | Yes |   Add Equipment (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Division  (Address) | Varchar | N/A | Yes | | District  (Address) | Varchar | N/A | Yes | | Upazila  (Address) | Varchar | N/A | Yes | | Union  (Address) | Varchar | N/A | Yes | | J/L No.  (Address) | Varchar | N/A | Yes | | Dag No.  (Address) | Varchar | N/A | Yes | | Equipment Name  (Add Troubled Equipment) | Varchar | N/A | Yes | | Problem Note  (Add Troubled Equipment) +Add More | Varchar | N/A | Yes | |

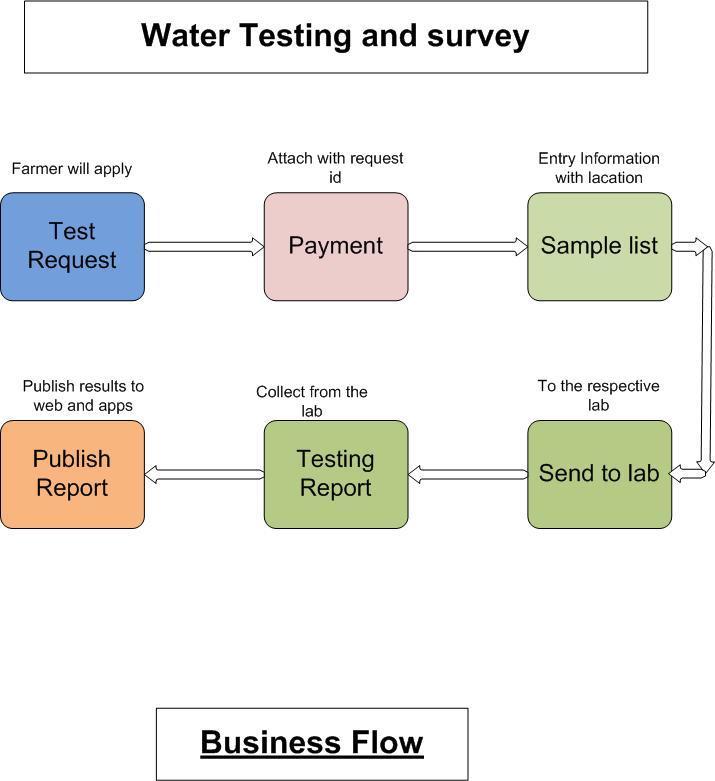
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Maintenance Task (Feature)**  * Here will show a troubled equipment list that came from Required “Maintenance” Feature. * Users can assign mechanics, update reports, and make requisitions to store.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Troubled Equipment List (Table Format)   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **ID** | **Equipment Name** | **Problem Note** | **Pump Location** | **Mechanic Status** | **Maintenance Report** | **Requisition Status** | **Progress Note** | **Assign Mechanic** | **Action** | |  |  |  |  | Link | Assigned,  Not Assigned | Processing,  Complete,  Partial,  Not Done | Supplied,  Pending,  Rejected |  | Assign (Button),  Change, (Button) | Close (Button),  Requisition (Button)  Report (Button) |  * After Submission of report, all buttons will be inactive. |   Assign (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Search Mechanic ID | Int | N/A | Yes |   Assign  Close (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Close Note | Varchar | N/A | Yes |   Submit  Requisition (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Item Name  (Add Requisition) | Varchar | N/A | Yes | | Quantity (Add Requisition) +Add More | Int | N/A | Yes | | Remarks | N/A | N/A | Yes |   Submit  Report (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Complete  (Progress) | N/A | N/A | N/A | | Partial  (Progress) | N/A | N/A | N/A | | Not Done  (Progress) | N/A | N/A | N/A | | Progress Note | N/A | N/A | N/A | | Date | N/A | N/A | N/A |   Submit |

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| **Equipment Supply (Feature)**  * Here will show requisition of maintenance hardware. * Storekeeper can supply and reject valid Notes.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Requisition List (Table Format)   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **SL No** | **Requisition Date** | **Requisition ID** | **Pump location** | **View Requisition** | **Status** | |  |  |  | **Link** | **View (Button)** | **Pending/Partial/Complete** |   View(Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Item Info (Auto) | Varchar | N/A | Yes | | Applied Quantity (Auto) | int | N/A | Yes | | Approved Quantity | int | N/A | Yes | | Shortage Reason | Varchar | N/A | Yes | | Action (Issue/Reject) | N/A | N/A | Yes |   Submit | |

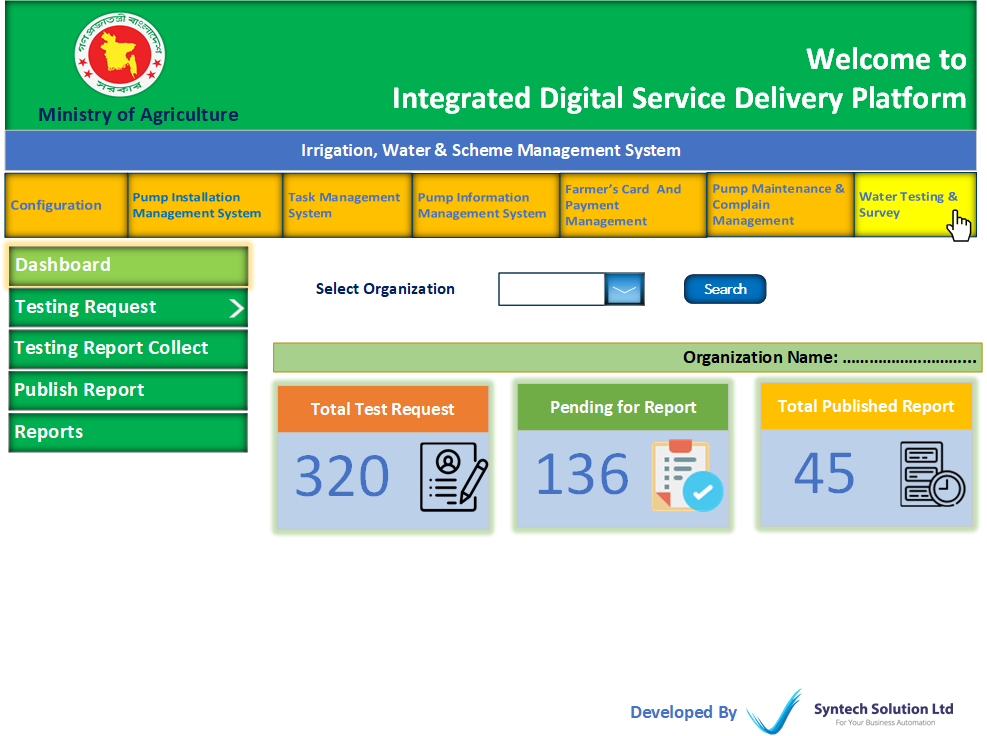
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| **Directory (Feature)**  * This feature is for only entry purposes. * Users can enter, delete and edit. * List with show district wise.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Hardware Dealer (Sub Feature) Add New Dealer (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Equipment Type | N/A | N/A | Yes | | Dealer Name | Varchar | N/A | Yes | | Hardware Details (Text Box) | Varchar | N/A | Yes | | Division  (Dealer Address) | N/A | N/A | Yes | | District  (Dealer Address) | N/A | N/A | Yes | | Upazila  (Dealer Address) | N/A | N/A | Yes | | Union  (Dealer Address) | N/A | N/A | Yes | | Add GEO Location (Map) | vector | N/A | Yes | | Address Line  (Dealer Address) | Varchar | N/A | Yes | | Mobile No | int | N/A | Yes | | Email Address | Varchar | N/A | No | | Attach Photo | N/A | N/A | No | | Document Name  (Attach Document) | Varchar | N/A | No | | Upload  (Attach Document)+ Add More | N/A | N/A | No |   Submit  Hardware Dealer List(Table Format)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Dealer ID | Equipment Type | Dealer Name | Hardware Details | Address Line | District | Mobile No | Email | Location | Attachment | Action | |  |  |  |  |  |  |  |  |  | Link | Link | Edit,  Delete | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Shops (Sub Feature) Add New Shop (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Equipment Type | N/A | N/A | Yes | | Shop Name | Varchar | N/A | Yes | | Product Details (Text Box) | Varchar | N/A | Yes | | Division  (Shop Address) | N/A | N/A | Yes | | District  (Shop Address) | N/A | N/A | Yes | | Upazila  (Shop Address) | N/A | N/A | Yes | | Union  (Shop Address) | N/A | N/A | Yes | | Add GEO Location (Map) | vector | N/A | Yes | | Address Line  (Shop Address) | Varchar | N/A | No | | Mobile No | int | N/A | Yes | | Email Address | Varchar | N/A | Yes | | Attach Photo | N/A | N/A | No | | Document Name  (Attach Document) | Varchar | N/A | No | | Upload  (Attach Document) | N/A | N/A | No | | Add More  (Attach Document) | N/A | N/A | No |   Submit  Shop List(Table Format)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Shop ID | Equipment Type | Shop Name | Address Line | District | Product Details | Mobile No | Email | Location | Attachment | Action | |  |  |  |  |  |  |  |  |  | Link | Link | Edit,  Delete | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Mechanics (Sub Feature) Add New Mechanic (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Equipment Type | N/A | N/A | Yes | | Mechanic Name | Varchar | N/A | Yes | | Mechanic Details (Text Box | Varchar | N/A | Yes | | Division  (Mechanic’s Address) | N/A | N/A | Yes | | District  (Mechanic’s Address) | N/A | N/A | Yes | | Upazila  (Mechanic’s Address) | N/A | N/A | Yes | | Union  (Mechanic’s Address) | N/A | N/A | Yes | | Address Line  (Mechanic’s Address) | Varchar | N/A | No | | Add GEO Location (Map) | vector | N/A | Yes | | Mobile No | int | N/A | Yes | | Email Address | Varchar | N/A | Yes | | Attach Photo | N/A | N/A | Yes | | Document Name  (Attach Document) | Varchar | N/A | No | | Upload  (Attach Document) | N/A | N/A | No | | Add More  (Attach Document) | N/A | N/A | No |   Submit  Mechanic List(Table Format)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Mechanic’s ID | Equipment Type | Mechanic Name | Mechanic Details | Address Line | District | Mobile No | Email | Location | Attachment | Action | |  |  |  |  |  |  |  |  |  | Link | Link | Edit,  Delete | | |

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| **Reports (Feature)**  * User can search reports.  |  |  |  |  | | --- | --- | --- | --- | | Complain Report (Searching Parameter) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Division | N/A | N/A | No | | District | N/A | N/A | No | | Upazila | N/A | N/A | No | | Status (Closed/Complete/Processing) | N/A | N/A | No | | From Date | N/A | N/A | No | | To Date | N/A | N/A | No |   Search  Complain Report (Report Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Complain id | Complainer Name | Complain Date | Location | Details | Status | View Complain | Attachment | Notes | |  |  |  |  |  |  |  | Link | Link | (From Action) |  |  |  |  |  | | --- | --- | --- | --- | | Maintenance Report (Searching Parameter) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Division | N/A | N/A | No | | District | N/A | N/A | No | | Upazila | N/A | N/A | No | | Status  (Closed/Processing/Complete) | N/A | N/A | No | | From Date | N/A | N/A | No | | To Date | N/A | N/A | No |   Search  Maintenance Report (Report Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SL No | Maintenance id | Assigned Mechanic | Assigned Date | Location | Notes | Maintenance Status | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | | Rating & Feedback Report (Searching Parameter) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Division | N/A | N/A | No | | District | N/A | N/A | No | | Upazila | N/A | N/A | No | | From Date | N/A | N/A | No | | To Date | N/A | N/A | No |   Search  Rating & Feedback Report (Report Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization | Rated By | District | Rating | Feedback | Date | |  |  |  |  |  |  |  | |

# **Water Testing & Survey (Module)**



## **Dashboard**

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| **Testing Request (Feature)**  * Here will show all water testing requests applied from the service receiver panel. * Users can review, reject, & send samples to the lab after the service receiver presents the sample. * Status will be pending until any action.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Irrigation water (Sub Feature) Request List (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Applicant Name | Address | Application Date | View Application | Sample Number | Status | Payment Status | Action | | 1 |  |  |  |  | View (Button) |  | Pending, Reject,  Reviewed, |  | Send Sample (Button),  Review (Button),  Reject (Button), |  |  |  |  |  | | --- | --- | --- | --- | | Send Sample (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Lab (Drop Down) | N/A | N/A | Yes | | Note | Varchar | N/A | No |  |  |  |  |  | | --- | --- | --- | --- | | Review (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | Yes |  * Review action will appear in the applicant panel.  |  |  |  |  | | --- | --- | --- | --- | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes | |  * Reject action will appear in the applicant panel.          |  | | --- | | Drinking Water (Sub Feature) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Request List (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Application ID | Applicant Name | Address | Application Date | View Application | Sample Number | Status | Payment Status | Action | |  |  |  |  |  | View (Button) |  | Pending, Reject,  Reviewed, |  | Send Sample (Button),  Review (Button),  Reject (Button), |  |  |  |  |  | | --- | --- | --- | --- | | Send Sample (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Lab (Drop Down) | N/A | N/A | Yes | | Note | Varchar | N/A | No |  |  |  |  |  | | --- | --- | --- | --- | | Review (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Review Note | Varchar | N/A | Yes |  |  |  |  |  | | --- | --- | --- | --- | | Reject (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Reject Note | Varchar | N/A | Yes | | |

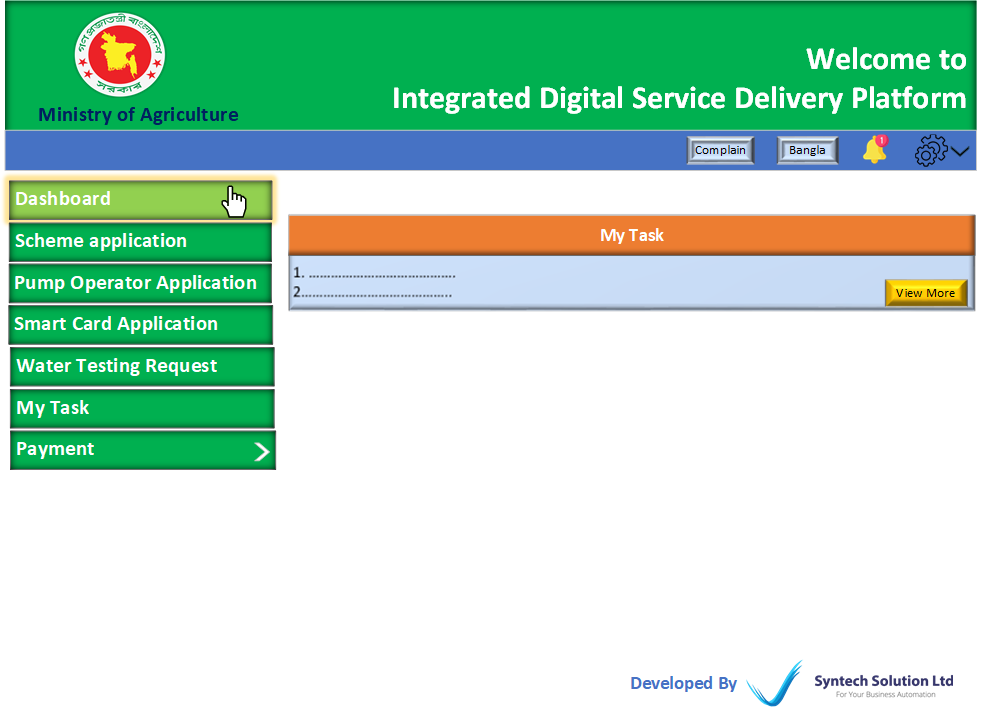
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| **Testing Report Collect (Feature)**  * Here will show all pending sample lists waiting for a report from the lab. * Users can enter a report with report number and attachment after getting a report from the lab.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Pending Report List (Table Format)   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Application Id** | **Applicant’s Name** | **Address** | **Responsible Lab** | **Application Type** | **Sample Number** | **Status** | **Action** | |  |  |  |  |  | Irrigation Water/ Drinking Water |  |  | Attach Report (Button) | |   Collect Report (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Report Memo No | Varchar | N/A | Yes | | Attach Report File | N/A | N/A | Yes | |

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| **Publish Report (Feature)**  * Here users can publish all collected reports. * Service receivers will get a report after publishing from here.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Collected Report (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Application Id** | **Applicant Name** | **Address** | **Responsible Lab** | **Sample Number** | **Application Type** | **Report Number** | **Report Attachment** | **Action** | |  |  |  |  |  |  | Irrigation Water, Drinking Water |  | Link | Publish (Button) |  * Attached report will show here. | |

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| **Reports (Feature)**  * Here users can search testing reports.  |  |  |  |  | | --- | --- | --- | --- | | Water Testing Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Testing Type | N/A | N/A | No | | From Date | N/A | N/A | No | | To Date | N/A | N/A | No |   Water Testing Report (Report Format)   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Testing type** | **Applicant Name** | **Address** | **Responsible Lab** | **Sample Number** | **Report Number** | **Report Attachment** | |  |  |  |  |  |  |  | Link |  |  |  |  |  | | --- | --- | --- | --- | | Testing Payment Report | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | No | | Testing Type | N/A | N/A | No | | From Date | N/A | N/A | No | | To Date | N/A | N/A | No |   Testing Payment Report (Report Format)   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Testing type** | **Applicant Name** | **Address** | **Responsible Lab** | **Amount** | **Payment Date** | |  |  |  |  |  |  |  | |

# **Farmer & Operator Panel**

## **Dashboard**



## **Scheme Application (Feature)**

* This is a scheme application option for farmers.
* System will automatically remind for payment with submission.
* Without payment, the application will Not be submitted and the form will be saved as draft.
* The same address should be place with checkbox as (Same as applicant address).
* Integrated with SMS Gateway, Payment gateway,

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| Apply for a Scheme (Button)(Description Need)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Organization | N/A | N/A | Yes | | Scheme Type | N/A | N/A | Yes | | Applicant’s Name  (Applicant Details) | Varchar | N/A | Yes | | District  (Applicant Details) | N/A | N/A | Yes | | Upazila  (Applicant Details) | N/A | N/A | Yes | | Union  (Applicant Details) | N/A | N/A | Yes | | Mauza  (Applicant Details) | Varchar | N/A | Yes | | Mobile No  (Applicant Details) | Int | N/A | Yes | | Applicant’s Name  (Scheme Manager Details) | Varchar | N/A | Yes | | District  (Scheme Manager Details) | N/A | N/A | Yes | | Upazila  (Scheme Manager Details) | N/A | N/A | Yes | | Union  (Scheme Manager Details) | N/A | N/A | Yes | | Mauza  (Scheme Manager Details) | Varchar | N/A | Yes | | Mobile No  (Scheme Manager Details) | Int | N/A | Yes | | District  (Proposed Pump Address) | N/A | N/A | Yes | | Upazila  (Proposed Pump Address) | N/A | N/A | Yes | | Union  (Proposed Pump Address) | N/A | N/A | Yes | | Mauza(Proposed Pump Address) | Varchar | N/A | Yes | | J/L No  (Proposed Pump Address) | Varchar | N/A | Yes | | Dag No  (Proposed Pump Address) | Varchar | N/A | Yes | | General Minutes  (Attachment) | N/A | N/A | Yes | | List of scheme lands  (Attachment) | N/A | N/A | No | | Scheme Map  (Attachment) | N/A | N/A | No | | Affidavit | Varchar | N/A | Yes |   Submit   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | (Table Format)   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Application Id** | **Applicant Name** | **Address** | **Scheme Manager Name** | **Scheme Type** | **Proposed Pump Address** | **Attachment** | **Payment Status** | **Application Status** | **Notes** | **Action** | |  |  |  |  |  |  |  | Link | Not Paid,  Form fee Paid,  Participation Fee paid | Pending,  Processing,  Approved,  Licensed,  Installed |  | View (Button)  Edit (Button),  Cancel Button | |  * Farmer can view application status by several steps. * Edit & cancel button will Not work after complete submission with payment. |

## **Pump Operator Application (Feature)**

* Here farmer can apply to be a pump operator for multiple time.
* Integrated with NID/Porichoy.

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| Pump Operator Application (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Organization | N/A | N/A | Yes | | Select Pump | N/A | N/A | Yes | | Applicant’s Name | Varchar | N/A | Yes | | Father’s Name | Varchar | N/A | Yes | | Mother’s Name | Varchar | N/A | Yes | | NID No | Varchar | N/A | Yes | | Mobile Number | int | N/A | Yes | | District  (Address) | N/A | N/A | Yes | | Upazila  (Address) | N/A | N/A | Yes | | Union  (Address) | N/A | N/A | Yes | | Date of Birth | Date | N/A | Yes | | Educational Qualification (Last) | Varchar | N/A | No | | Document Name  (Attachment) | Varchar | N/A | No | | Upload  (Attachment) | N/A | N/A | No | | Add More  (Attachment) | N/A | N/A | No |   Submit   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Application Id** | **Applicant Name** | **Address** | **Pump Address** | **Attachment** | **Application Status** | **Notes** | **Payment Status** | **Action** | |  |  |  |  |  | Link | Processing,  Approved,  Rejected,  Active |  | Not Paid, paid | View (Button)  Renew (Button) |  * Applicant can view status. | |

## **Smart Card Application (Feature)**

* Here farmers can apply for smart cards.
* Integrated with NID/Porichoy.

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| New Application (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | Yes | | Farmer’s Name | Varchar | N/A | Yes | | Father’s Name | Varchar | N/A | Yes | | Mother’s Name | Varchar | N/A | Yes | | Marital Status | N/A | N/A | Yes | | Husband’s/Wife’s Name | Varchar | N/A | No | | No. of Children | int | N/A | No | | NID No | Int | 50 | Yes | | Mobile No | int | N/A | Yes | | Gender | N/A | N/A | Yes | | District | N/A | N/A | Yes | | Upazila | N/A | N/A | Yes | | Union | N/A | N/A | Yes | | Village Name | Varchar | N/A | Yes | | Ward No | Varchar | N/A | No | | Date of Birth | Date | N/A | Yes | | Educational Qualification (Last) | Varchar | N/A | Yes | | Total Land (Auto)  [Quantity of Land (Sotok)] | N/A | N/A | N/A | | Owned Land  [Quantity of Land (Sotok)] | float | N/A | Yes | | Land Lease  [Quantity of Land (Sotok)] | float | N/A | Yes | | Barga Land  [Quantity of Land (Sotok)] | float | N/A | Yes | | Agriculture Related Received Training Info | Varchar | N/A | No | | Earnings Without Agriculture | float | N/A | No | | Crop Plan Details | Varchar | N/A | No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Application List (Table Format)   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Application Id** | **Applicant Name** | **Address** | **Status** | **Payment Status** | **Print Card** | **Review Note** | **Reject Note** | **Apply for Renew** | **Duplicate Card Apply** | |  |  |  |  | Pending,  Processing,  Approved,  Generated,  Issued, |  | Link |  |  | Renew (Button) | Apply (Button) | | |

## **Water Testing Request (Feature)**

* Here farmers can request for water tests multiple times.
* Farmers will pay a testing fee while applying.
* Farmers will get sample numbers.

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| Request for water testing (Button)   |  |  |  |  | | --- | --- | --- | --- | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Select Organization | N/A | N/A | Yes | | Testing Type (Drinking Water/Irrigation Water) | N/A | N/A | Yes | | Applicant’s Name | Varchar | N/A | Yes | | District  (Address) | N/A | N/A | Yes | | Upazila  (Address) | N/A | N/A | Yes | | Union  (Address) | N/A | N/A | Yes | | From Date  (Schedule for Send Sample) | Date | N/A | Yes | | To Date  (Schedule for Send Sample) | Date | N/A | Yes | | Submit and Pay | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Application List (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **SL No** | **Application Id** | **Applicant Name** | **Authority Name** | **Testing Type** | **Address** | **Payment Status** | **Sample Number** | **Status** | **View Report** | |  |  |  |  |  |  | Paid, Not Paid |  | Pending/  Processing/  Sample Collected/  Reported | View (Button) |  * Here farmers will view status and reports. | |

## **My Task (Feature)**

* This feature is only for selected pump operator.
* The task will appear here from the “Task management system” admin panel.
* Operator will report for individual task.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## **Payment (Feature)**

* Here Service receiver can pay category wise payment
* Integrated with Payment Gateway, SMS Gateway.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  | | --- | --- | --- | --- | | Scheme Payment | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Scheme Payment  (Scheme Form Fee/ Participation Fee) | Varchar | N/A | Yes |  |  |  |  |  | | --- | --- | --- | --- | | Card Payment | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Card Payment  (Card Application Fee/Renew Fee) | Varchar | N/A | Yes |  |  |  |  |  | | --- | --- | --- | --- | | Pump Operator Fee | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Pump Operator Fee  (Security Payment/Renew Fee) | Varchar | N/A | Yes |  |  |  |  |  | | --- | --- | --- | --- | | Water Testing Fee | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Water Testing Fee  (Irrigation Water Testing Fee/Drinking Water Testing Fee) | Varchar | N/A | Yes | |

## **Complain**

* Here Service receiver can complain for any reason.

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| |  |  |  |  | | --- | --- | --- | --- | | New Complain (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | Yes | | Division | N/A | N/A | Yes | | District | N/A | N/A | Yes | | Upazila | N/A | N/A | Yes | | Union | N/A | N/A | Yes | | Subject | Varchar | 256 | Yes | | Details (Text Editor) | Varchar | 256 | Yes | | Upload (Attachment) | N/A | N/A | No |   Submit  Complain List (Table Format)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | SL No | Organization | Complain Id | District | Subject | Date | Details | Attachment | Status | Note | |  |  |  |  |  |  | View  (Button) |  | Pending /Closed/ Sent for action/ Complete/  Reviewed | (Notes from action) | |

## **Rating & Feedback**

* Here Service receivers can complain for any reason.

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| |  |  |  |  | | --- | --- | --- | --- | | Rating & Feedback (Button) | | | | | Field Name | Data Type | Data Length | Mandatory (Yes/No) | | Organization | N/A | N/A | Yes | | Rating  (Example:5 Star) | N/A | N/A | Yes | | Feedback | Varchar | N/A | No |   Submit  Rating & Feedback List(Table Format)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | SL No | Organization | Rating | Feedback | Action | |  |  |  |  | Edit (Button)  Delete (Button) |  * Service receivers can rate and feedback for a single organization at once.   (EX: If 3 organization; user can only rate 3 time)   * Users can Delete and edit the existing rating and feedback. |