

Centralized Search Utility

DBT Agriculture Portal

Objective:

The purpose for developing of Centralized Search Utility is to provide information on beneficiary's details to respective on-boarding DBT MIS portal from central agriculture DBT database. In the search utility web service integration is used, so that any of the MIS application can be integrated with agriculture DBT portal.

Service Integration Method :

The following steps are to be followed for integration of Search option with Centralized Farmer Database through Web Service.

- 1) Design a search option either through Aadhar, Mobile or by Name. See the following screen shot. You can cut and paste the Coding part mentioned below (see last page) in your .CS and .ASPX file of Beneficiary Registration Form.

Search Beneficiary Details from Agriculture DBT Portal

Location

State* District* Block* Village*

ANDAMAN AND NICOBAR I --Select District-- Select Block Select Village

Search Beneficiary Aadhaar No. Mobile No. Name

Pro-type Screen 1.1

- 2) Add Web Reference <http://dbtdacfw.gov.in/dbtservice.aspx> in your project.

3) At Search Option, Call the Following methods while searching option:

Action required for (Search by)	Method Name and pass parameter mentioned in bracket ** State Code and District code should be mapped with LG Directory. (LG-Statecode, LG-District code)
Aadhaar	GetBeneficiaryDetailsbyaadhar (aadharno)
Mobile	GetBeneficiaryDetailsbymobile (Mobileno,statecode,districtcode)
Name	GetBeneficiaryDetailsbyName (name, StateCode,DistrictCode, SubDistrictCode, BlockCode, VillageCode)

Note:

- a) StateCode and DistrictCode are mandatory fields. Kindly send SubDistrictCode, BlockCode and VillageCode as '0' if not available.
- b) Verhoeff algorithm (.dll file) is applied to check Aadhar Number is valid or not. Therefore valid Aadhar Number should be entered in search operation. This algorithm (.dll) file can be shared on request.
- 4) You will receive DATASET format after successful search. If dataset count is greater than zero (0), means search data available. You can use this dataset to show in Grid form for easy access.
- 5) Use select button in Grid Form for selecting specific record.
- 6) After Selecting specific record, you can populate the beneficiary details in your registration form (like name of the Beneficiary, Father's Name, address, age, mobile number, Aadhaar number, category etc.).
- 7) Once populated in your registration form, you can take care your workflow system by saving the data in your system.
- 8) The saved Beneficiary details should be shared to DBT central portal on periodic basis through web service. The received details will be uploaded in DBT portal after checking the records on the basis of Aadhar, Mobile and by Name to avoid duplication of data.

Search Beneficiary Details from Agriculture DBT Portal

Location

State* ANDAMAN AND NICOBAR I District* --Select District-- Block* Select Block Village* Select Village

Search Beneficiary Aadhaar No. Mobile No. Name 518192904314

S.No	Name	Father's Name	Aadhaar No.	DOB	Email	Address	DragNo	Action
1	TALARI RAMANJINAMMA	WIO T JETINGAPPA	518192904314			WIO T JETINGAPPA H NO 1 134 BC COLONYDODAGHATTA, (V) D HIREHAL (MANDAL), 515865		

Screen- 1.2

Search Beneficiary Aadhaar No. Mobile No. Name 518192904314

S.No	Name	Father's Name	Aadhaar No.	DOB	Email	Address	DragNo	Action
1	TALARI RAMANJINAMMA	WIO T JETINGAPPA	518192904314			WIO T JETINGAPPA H NO 1 134 BC COLONYDODAGHATTA, (V) D HIREHAL (MANDAL), 515865		

Beneficiary Details

Note : Please Enter Beneficiary Name as per Aadhar name and Bank Details.

Name* TALARI RAMANJINAMMA Fathers Name WIO T JETINGAPPA *Date of Birth/Age* dd/mm/yyyy Category* --Select Category--

Aadhar No./Enrollment No. 518192904314 Mobile 919441575341 Telephone Number STD Number Email ID Email ID

Address* WIO T JETINGAPPA H NO 1 134 BC Pincode 515865 Survey/Khasra/Drag No. Survey/Khasra/Drag No. Select Gender* Male Female Other

Screen – 1.3

Impact:

- ❖ Helpful in avoiding of duplicate records entry
- ❖ Availability of verified beneficiaries details from Agriculture DBT Portal
- ❖ Reduce data entry in respective scheme MIS
- ❖ Updating of Beneficiaries details from respective scheme.

Sample code in DOT NET for designing Pro-type Screen - 1.1

.aspx file

```
<div class="panel-body" style="border: 1px solid; background-color: #f8f5c8">
<div class="form-group">
<div class="col-lg-12">
<strong style="Font-Size: 17px; text-decoration-line: underline; text-align:
center; color: Black; text-align: center;">
<center> <label for="input1" class="control-label" style="color:red" >Search
Beneficiary Details from Agriculture DBT Portal</label> </center>
</strong>
</div>

<div class="col-lg-12">
<div class="panel panel-default">
<div class="panel-heading">
<strong style="font-size: 17px; text-decoration-line: underline; text-align:
center; color: Black;">Location</strong>
</div>
<div class="panel-body">

<div class="form-group">
<div class="col-sm-3">
<label for="input1" class="control-label">State</label><span style="color:
red">*</span>
<asp:DropDownList ID="ddl_State" runat="server" Width="100%"
OnSelectedIndexChanged="ddl_State_SelectedIndexChanged" CssClass="form-control"
AutoPostBack="True"></asp:DropDownList>
</div>
<div class="col-sm-3" runat="server" id="DivDistrict">
<label for="input1" class="control-label">District</label><span style="color:
red">*</span>
<asp:DropDownList ID="ddl_District" runat="server" class="form-control"
OnSelectedIndexChanged="ddl_District_SelectedIndexChanged" Width="100%"
AutoPostBack="True">
<asp:ListItem>Select District</asp:ListItem>
</asp:DropDownList>
</div>
<div class="col-sm-2" style="display: none">
<label for="input1" class="control-label">Sub-District</label><span style="color:
red">*</span>
<asp:DropDownList ID="ddl_SubDistrict" runat="server" class="form-control"
Width="100%" OnSelectedIndexChanged="ddl_SubDistrict_SelectedIndexChanged"
AutoPostBack="True">
<asp:ListItem>Select Sub-District</asp:ListItem>
</asp:DropDownList>
</div>
<div class="col-sm-3" runat="server" id="DivBlock">
<label for="input1" class="control-label">Block</label><span style="color:
red">*</span>
<asp:DropDownList ID="ddl_Block" runat="server" class="form-control" Width="100%"
AutoPostBack="True" OnSelectedIndexChanged="ddl_Block_SelectedIndexChanged">
```

```

        <asp:ListItem>Select Block</asp:ListItem>
    </asp:DropDownList>
</div>
<div class="col-sm-3" id="DivVillage" runat="server">
    <label for="input1" class="control-label">Village</label><span style="color:
red">*</span>
    <asp:DropDownList ID="ddl_Village" runat="server" class="form-control"
Width="100%" AutoPostBack="True">
    <asp:ListItem>Select Village</asp:ListItem>
    </asp:DropDownList>
</div>
</div>
</div>
</div>
</div>
</div>

<div class="col-lg-12">
<div class="row">
<div class="col-sm-3">
<label for="input1" style="font-size: 16px" class="control-label">Search
Beneficiary</label>
</div>
<div class="col-sm-3">
<asp:RadioButtonList CssClass="RadioButtonWidth" onclick="GetListItem();"
ID="RadioButtonList1" AutoPostBack="true"
OnSelectedIndexChanged="RadioButtonList1_SelectedIndexChanged"
RepeatDirection="Horizontal" runat="server">
    <asp:ListItem Selected="True" Text="Aadhaar No" Value="0">Aadhaar
No.</asp:ListItem>
    <asp:ListItem Text="Mobile No" Value="1">Mobile No.</asp:ListItem>
    <asp:ListItem Text="Name" Value="2">Name</asp:ListItem>
</asp:RadioButtonList>
</div>
<div class="col-sm-3">
<div class="form-group has-feedback">
<asp:TextBox ID="tb_SearchDBTBen" autocomplete="off" runat="server" class="form-
control" Width="100%" MaxLength="12"></asp:TextBox>
</div>
</div>
<div class="col-sm-2">
<asp:Button ID="btn_SearchFromDBTPortal" class="btn btn-primary" Width="90%"
runat="server" OnClick="btn_SearchFromDBTPortal_Click" Text="Search" />
    <!-- <asp:Button ID="Button2" runat="server" OnClick="Button2_Click"
Text="Button" />-->
</div>
</div>
</div>
</div>

<div class="col-lg-12" runat="server" id="SearchedDiv" visible="false" >
<div class="right" style="float:right">
<asp:ImageButton ID="ImageButton2" ImageUrl="~/Images/Remove_32x32.png"
Height="15px" Width="15px" OnClick="ImageButton2_Click" runat="server" />
</div>
<br />
<asp:GridView ID="GridViewBeneficiary" CssClass="table table-striped table-
bordered table-hover" AllowPaging="true" PageSize="2"
OnPageIndexChanging="GridViewBeneficiary_PageIndexChanging"
OnRowCommand="GridViewBeneficiary_RowCommand" runat="server" BackColor="White"

```

```
BorderColor="#CCCCCC" BorderStyle="None" Width="100%" AutoGenerateColumns="false"
BorderWidth="1px" CellPadding="3">
  <Columns>
    <asp:TemplateField HeaderText="S.No" HeaderStyle-Width="30px">
      <ItemTemplate>
        <%# Container.DataItemIndex+1 %>
        <asp:Label ID="lbl_uniqueid" runat="server" Text='<%# Eval("FD_id") %>'
Visible="false"></asp:Label>
      </ItemTemplate>
    </asp:TemplateField>
    <HeaderStyle CssClass="GridHeader" />
    <ItemStyle CssClass="GridSRno" />
  </asp:TemplateField>
  <asp:TemplateField HeaderText="Name" ItemStyle-Width="100px">
    <ItemTemplate>
      <%# Eval("Farmer_Name") %>
    </ItemTemplate>
    <HeaderStyle CssClass="GridHeader" />
    <ItemStyle CssClass="GridHeader" />
  </asp:TemplateField>

  <asp:TemplateField HeaderText="Father's Name" ItemStyle-Width="150px">
    <ItemTemplate>
      <%# Eval("Father_Name") %>
    </ItemTemplate>
    <HeaderStyle CssClass="GridHeader" />
  </asp:TemplateField>

  <asp:TemplateField HeaderText="Aadhaar No." ItemStyle-Width="200px">
    <ItemTemplate>
      <%# Eval("AadharNo") %>
    </ItemTemplate>
    <HeaderStyle CssClass="GridHeader" />
  </asp:TemplateField>

  <asp:TemplateField HeaderText="DOB" ItemStyle-Width="80px">
    <ItemTemplate>
      <%# Eval("DOB") %>
    </ItemTemplate>
    <HeaderStyle CssClass="GridHeader" />
  </asp:TemplateField>

  <asp:TemplateField HeaderText="Email" ItemStyle-Width="150px">
    <ItemTemplate>
      <%# Eval("EmailId") %>
    </ItemTemplate>
    <HeaderStyle CssClass="GridHeader" />
  </asp:TemplateField>

  <asp:TemplateField HeaderText="Address" ItemStyle-Width="200px">
    <ItemTemplate>
      <%# Eval("House_No") %>, <%# Eval("PinCode") %>
    </ItemTemplate>
    <HeaderStyle CssClass="GridHeader" />
  </asp:TemplateField>
```

```

<asp:TemplateField HeaderText="DragNo" ItemStyle-Width="150px">
<ItemTemplate>

<%# Eval("DragNo") %>
</ItemTemplate>
<HeaderStyle CssClass="GridHeader" />
</asp:TemplateField>

<asp:TemplateField HeaderText="Action" ItemStyle-Width="100px">
<ItemTemplate>
<%-- <asp:ImageButton ID="ImageButton2" ToolTip="View Details "
CommandArgument='<# Eval("uniqueid") %>' CommandName="myView"
ImageUrl="Images/Preview_32x32.png" Height="15px" Width="15px" AlternateText="Edit"
runat="server" />--%>
<asp:ImageButton ID="ImageButton1" ToolTip="Select" CommandArgument='<%#
Eval("FD_id") %>' CommandName="MyEdit" ImageUrl="Images/SelectMark.png" Height="30px"
Width="40px" AlternateText="Select" runat="server" />
</ItemTemplate>
<HeaderStyle CssClass="GridHeader" />
<ItemStyle Width="80px" />
</asp:TemplateField>
</Columns>

<FooterStyle BackColor="White" ForeColor="#000066" />
<HeaderStyle BackColor="#bd8009" Font-Bold="True" ForeColor="White" Height="20px"
/>

<PagerStyle BackColor="White" ForeColor="#000066" HorizontalAlign="Center" />
<RowStyle ForeColor="#000066" />
<SelectedRowStyle BackColor="#f1d7b0" Font-Bold="false" ForeColor="#040438" />
<SortedAscendingCellStyle BackColor="#F1F1F1" />
<SortedAscendingHeaderStyle BackColor="#007DBB" />
<SortedDescendingCellStyle BackColor="#CAC9C9" />
<SortedDescendingHeaderStyle BackColor="#00547E" />
<EmptyDataTemplate>No record Found</EmptyDataTemplate>
</asp:GridView>

</div>
</div>
<asp:Label ID="Label1" ForeColor="Red" runat="server" Text=""></asp:Label>
</div>

```

.CS file

```

protected void btn_SearchFromDBTPortal_Click(object sender, EventArgs e)
{
    Label1.Text = string.Empty;
    string SearchInput = tb_SearchDBTBen.Text.Trim().ToString();
    DBTServiceReference1.DBTService DBTServiceObj = new
    DBTServiceReference1.DBTService();

    DBTportalData = new DataSet();

    if (RadioButtonList1.SelectedItem.Value == "0")    /// Aadhaar No.
    {

```

```
        if
(!Verhoeff.validateVerhoeff(tb_SearchDBTBen.Text.Trim().ToString()) ||
string.IsNullOrEmpty(tb_SearchDBTBen.Text.Trim().ToString()))
        {
            jsCall("Please enter valid Aadhaar no.");
            return;
        }

        try
        {
            DBTportalData =
DBTServiceObj.GetBeneficiaryDetailsbyaadhar(SearchInput);
        }
        catch (Exception ex) { Label1.Text = "Error fetching DATA";
jsCall(ex.StackTrace.ToString()); return; }
        else if (RadioButtonList1.SelectedItem.Value == "1") // Mobile No
        {
            if (string.IsNullOrEmpty(tb_SearchDBTBen.Text.Trim().ToString()) ||
!commonFunctions.IsNumeric(tb_SearchDBTBen.Text.Trim().ToString()))
            {
                jsCall("Please enter valid mobile no.");
                return;
            }
            try
            {
                if (ddl_State.SelectedIndex <= 0 ||
!commonFunctions.IsNumeric(ddl_State.SelectedItem.Value))
                {
                    ddl_State.Focus();
                    jsCall("Please Select State.");
                    return;
                }
                if (ddl_District.SelectedIndex <= 0 ||
!commonFunctions.IsNumeric(ddl_District.SelectedItem.Value))
                {
                    ddl_District.Focus();
                    jsCall("Please Select District.");
                    return;
                }

                DBTportalData =
DBTServiceObj.GetBeneficiaryDetailsbyMobile(SearchInput, "22", "384");
            }
            catch (Exception ex)
            {
                Label1.Text = "Error fetching DATA";
                jsCall(ex.StackTrace.ToString()); return;
            }
        }

        else if (RadioButtonList1.SelectedItem.Value == "2") // Search By Name
        {
            if (string.IsNullOrEmpty(tb_SearchDBTBen.Text.Trim().ToString()) ||
!commonFunctions.IsString(tb_SearchDBTBen.Text.Trim().ToString()))
            {
                jsCall("Please enter valid Beneficiary Name.");
                return;
            }
        }
    }
```



```
        if (tb_SearchDBTBen.Text.Trim().ToString().Length <=2)
        {
            jsCall("Please enter Minimum three char of Beneficiary Name.");
            return;
        }
        try
        {
            if (ddl_State.SelectedIndex <= 0 ||
!commonFunctions.IsNumeric(ddl_State.SelectedItem.Value))
            {
                ddl_State.Focus();
                jsCall("Please Select State.");

                return;
            }
            if (ddl_District.SelectedIndex <= 0 ||
!commonFunctions.IsNumeric(ddl_District.SelectedItem.Value))
            {
                ddl_District.Focus();
                jsCall("Please Select District.");
                return;
            }
            if (ddl_Block.SelectedIndex <= 0 ||
!commonFunctions.IsNumeric(ddl_Block.SelectedItem.Value))
            {
                ddl_Block.Focus();
                jsCall("Please Select Block.");
                return;
            }
            if (ddl_Village.SelectedIndex <= 0 ||
!commonFunctions.IsNumeric(ddl_Village.SelectedItem.Value))
            {
                ddl_Village.Focus();
                jsCall("Please Select Village.");
                return;
            }
            DBTportalData =
DBTServiceObj.GetBeneficiaryDetailsbyName(SearchInput, "22", "384", "3234", "3677",
"431694");

        }
        catch (Exception ex)
        {
            Label1.Text = "Error fetching DATA";
            jsCall(ex.StackTrace.ToString()); return;
        }
    }

    try
    {
        if (DBTportalData.Tables[0].Rows.Count > 0)
        {
            GridViewBeneficiarycry.DataSource = DBTportalData.Tables[0];
            GridViewBeneficiarycry.DataBind();
            HiddenFieldDBTAagri.Value = "1";
            SearchedDiv.Visible = true;
        }
        else
```

```
    {  
        jsCall("No Record found.");  
        HiddenFieldDBTAagri.Value = "0";  
    }  
} catch (Exception ex) { jsCall("No Record Found."); }  
}
```

----X----