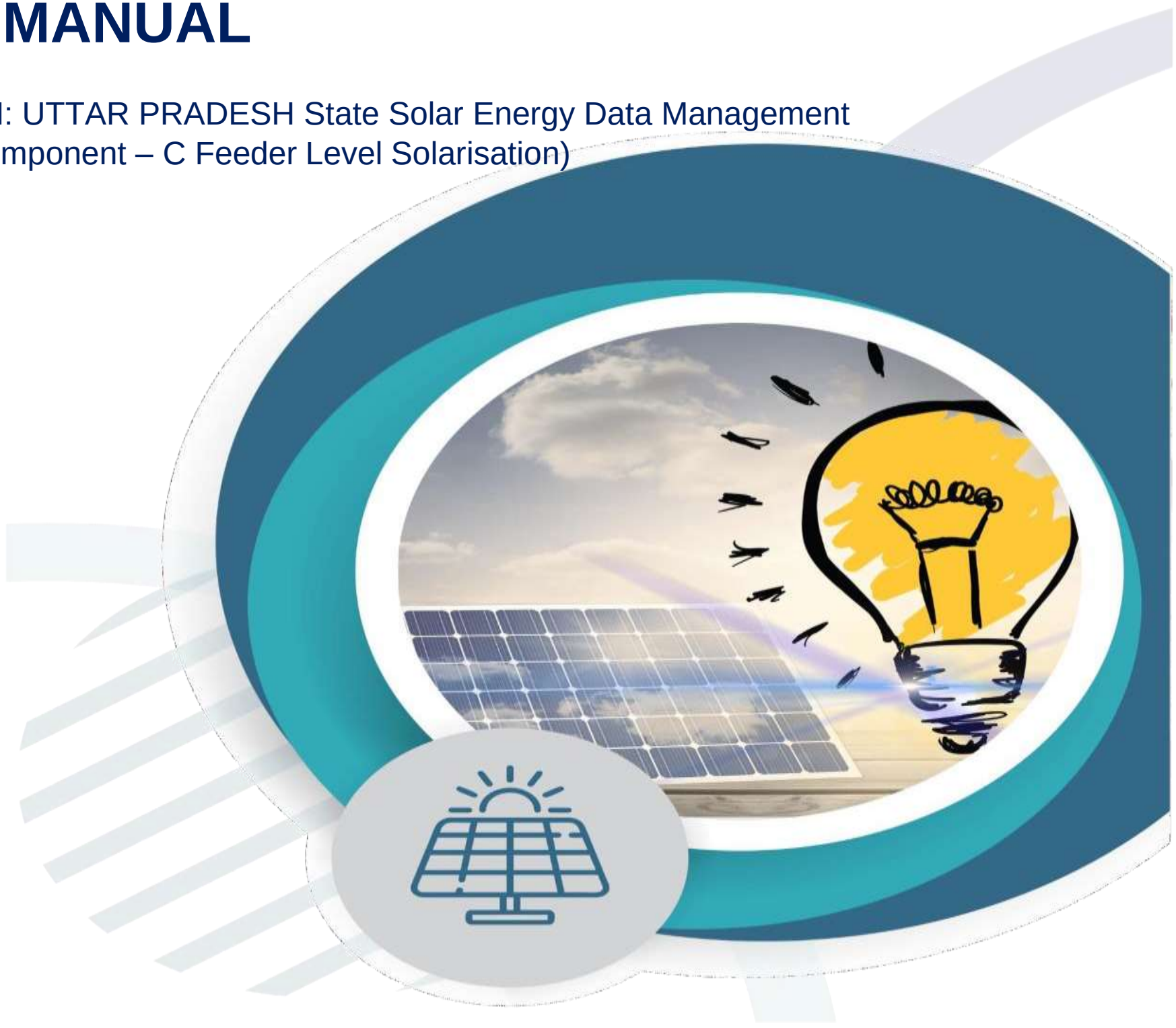
USER MANUAL

PM-KUSUM: UTTAR PRADESH State Solar Energy Data Management Platform(Component – C Feeder Level Solarisation)



Document is developed by HKRP Innovations LLP (HKRP) for Ministry of New and renewable Energy (MNRE) and UTTAR PRADESH Renewable Energy Development Limited (UPNEDA), UTTAR PRADESH under contract number 080 2228 2220

This document has been prepared on the basis set out in HKRP's contract for 'To develop state Portals and integrate that with National portal for monitoring and progress of Component C Feeder Level Solarisation for PMKUSUM' with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH ("the Client").

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Table 1 Glossary

Table 1 Glossary

Abbreviation	Full Form
CSV file	Comma-separated values file
DO	District Officer
DISCOM	Distribution Company
EA	Empanelled Agency
I&C	Installation and Commission
IMEI	International Mobile Equipment Identity
MNRE	Ministry of New and Renewable Energy
PCR	Project Completion Report
PDF	Printable Document Format
PDI	Pre-Dispatch Inspection
PM-KUSUM	Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan
RMS	Remote Monitoring System
SEDM	Solar Energy Data Management
SIA	State Implementing Agency
SNA	State Nodal Agency (SIA)
SI	System Integrator
HO	Head Office

Table 2 URL LINKS

Module	URL link
PMKUSUM Web Application	https://pmkusum.up.gov.in/
PMKUSUM Web API	

Table 3 MINIMUM EQUIMENT REQUIRED TO ACCESS STATE SEDM PLATFORM

Description	Recommended Specifications
Processor	Intel Dual Core or Higher
Processor Speed	3.2 GHz
RAM	4 GB or Higher
Operating System	Windows
Browser	Google chrome / Mozilla Firefox
Internet Speed	4 Mbps or Higher

Release History

Version	Date (dd-Mon-yyyy)	Released by
1.0	18-JULY-2023	Ekta Soni

1. INTRODUCTION TO PM-KUSUM SCHEME

Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) scheme was initiated by Government of India and launched by the Ministry of New and Renewable Energy (MNRE) to provide farmers with renewable as well as feasible energy sources for electricity and irrigation. PM-KUSUM Yojana got its administrative approval in March 2019 and guidelines were framed in July 2019. The scheme aims towards the installation of solar pumps and grid-connected solar panels in nationwide farmlands, in order to de-dieselize and solarise the agricultural sector.

PM-KUSUM scheme plans to add solar renewable capacity of 30.8 GW by 2022 with the total central financial support of INR 34,035Crore including installation and service charges to the implementing agencies.

The Scheme consists of three components:

- Component A: 10,000 MW of Decentralized Ground Mounted Grid Connected Renewable Power Plants of individual plant sizeup to 2 MW.
- Component B: Installation of 20 lakh standalone Solar Powered Agriculture Pumps of individual pump capacity up to 7.5 HP.
- Component C: Solarisation of 15 Lakh Grid-connected Agriculture Pumps of individual pump capacity up to 7.5 HP.

In State, the scheme will be run under the supervision of the Central Government's subordinate Ministry of New and Renewable Energy.

This scheme is especially for the farmers, which is also being added as an important effort towards increasing the income of the farmers.

The Central Government's PM-KUSUM Yojana has been launched in State, which will bring prosperity in the lives of farmers. This scheme has been implemented with the objective of saving electricity during agricultural operations, reducing the electricity expenditure of farmers and promoting solar energy.



2. SEDM PURPOSE & VISION

The Solar Energy Data Management (SEDM) Platform has been developed to serve the vision of **One Nation – One Solar** for PM-KUSUM scheme.

The primary features of SEDM:

1) A single platform to monitor various Solar PV based plants and pumps installed under PM-KUSUM scheme in State.
   - Stand-alone Solar Pumps, Grid Connected Solar Pumps, Distributed Solar Plants.

2) A single platform for multiple stakeholders
   - Farmers, Empanelled Agencies (EA), State Implementing Agency (SIA) SIA, DISCOM, MNRE,

3) A single platform to undertake multiple processes under PM KUSUM scheme like
   - Consumer/Farmer Registration, DBT Integration, Project Process Management, Asset Management, Complaints Management.

4) A single platform to remotely monitor plants and pumps by connecting to multiple devices such as
   - Pump controllers, Drivers, Energy meters, Inverters, Combiner boxes etc.

3. WELCOME PAGE

Upon opening the State SEDM portal, all users (registered/unregistered) land on the welcome page of the portal.



Figure 1 WELCOME PAGE

- On the welcome page's heading, there is a provision of "Frequently Asked Questions (FAQs)" provided (as highlighted in red in above Figure 1). Below are the frequently asked questions, as shown in Figure 2.

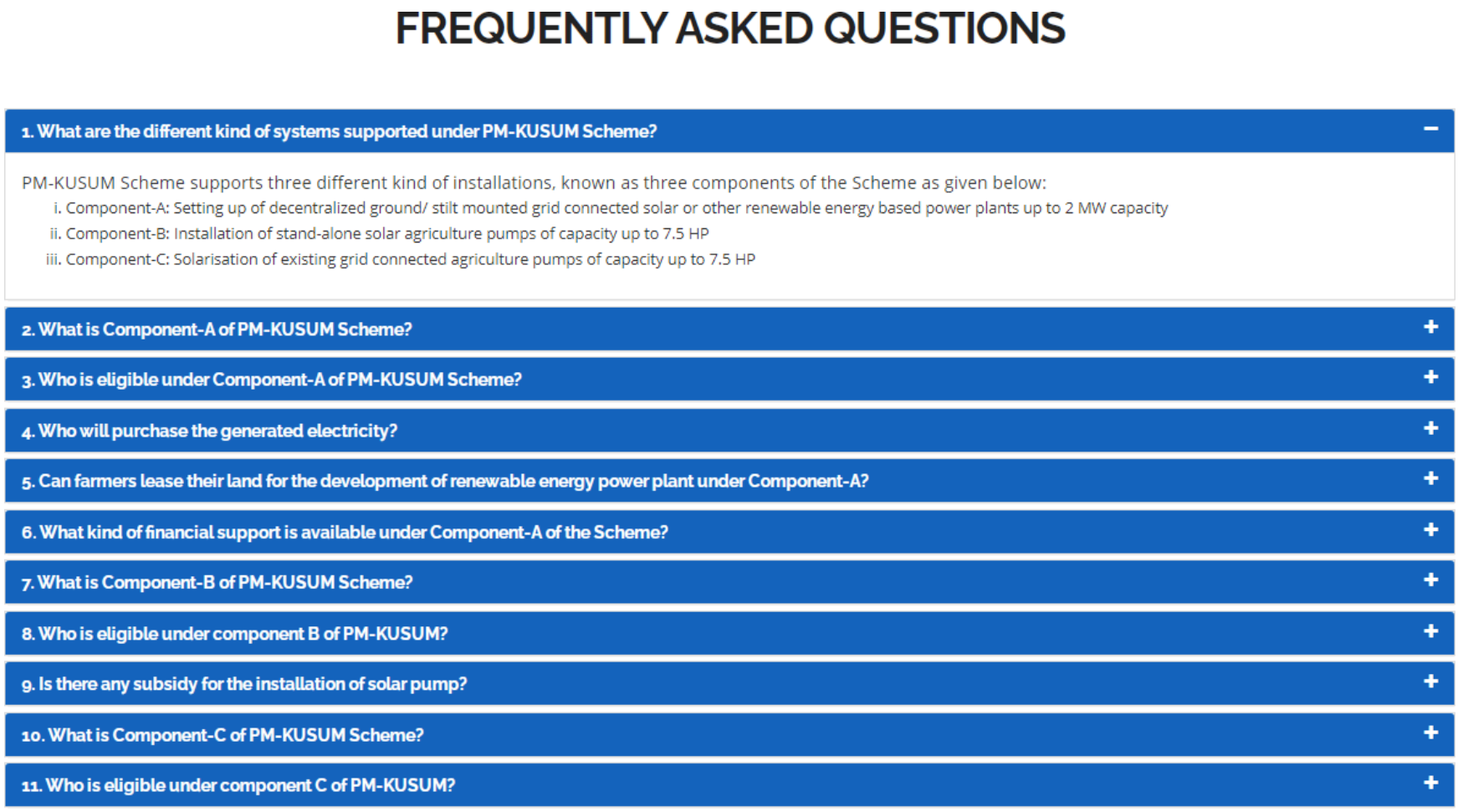


Figure 2 FAQ

- The provision of language is selection is also there on the “Welcome Page” in which default selection will be of “English” language (highlighted in yellow in Figure 1). After selection of different language, corresponding output are shown below in Figure 2.

- Selected – Hindi



Figure 3 HINDI SELECTED

- On the welcome page, there are 5 indicators among which 3 depicting the components of PM-KUSUM scheme along with the cumulative figures of total solar plants and pumps installed and their capacity and other two depicts Total Solar Generation (MWh) and Total Carbon Footprint Reduced (Tons) (as shown in Figure 1).
- To get a detailed view of the capacity installed under each component, click on the 'District Wise Details' tab under each component (as shown in below Figure 4 C Feeder Level Solarisation (C FLS) District Wise Details the blue box), which will generate a detailed report in tabular form.(refer Figure 5)

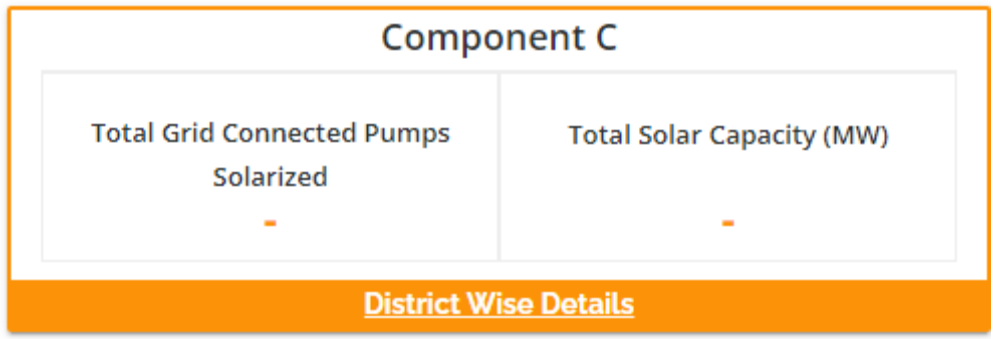


Figure 4 C FEEDER LEVEL SOLARISATION (C FLS) DISTRICT WISE DETAILS

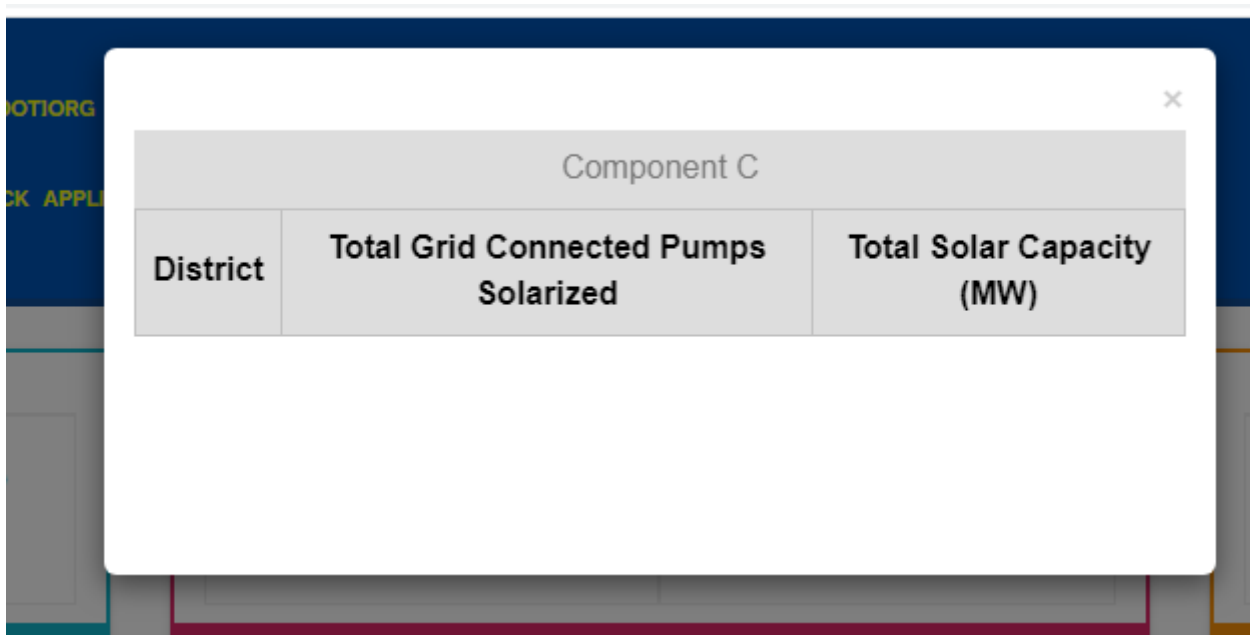


Figure 5 PM-KUSUM C FEEDER LEVEL SOLARISATION (C FLS) DISTRICT WISE STATUS REPORT

- District Wise Details provide the view of total installed Standalone Pumps and its capacity against Districts of State.
- Such report can be also seen without login into the SEDM Portal.



Figure 6 INSTALLERS

M/s Ethos Power Pvt. Ltd	121-123, 1st Floor, DLF Star Tower, Sector-30, NH-8, Gurugram - 122001	HARYANA	BASTI	Gurugram	Kushavjeet Mann	k[dot]mann[at]ethospower[dot]in	8586833715

- **"TRACK APPLICATION"** tab provides the facility of tracking the Farmer Application by entering Application number or Consumer/Farmer Mobile No (as shown in Figure 7 in red box)

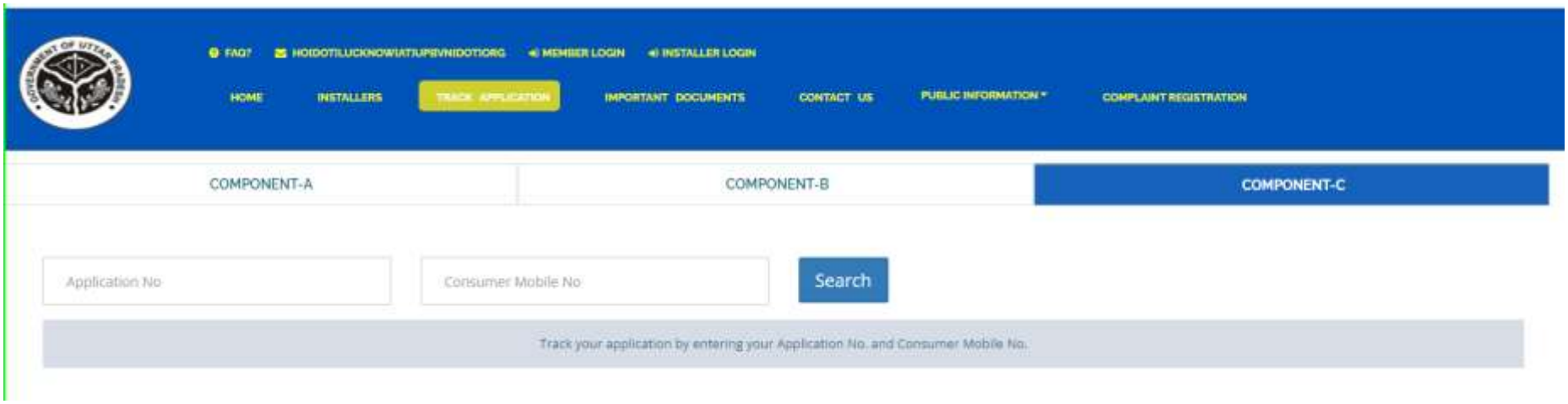


Figure 7 TRACK APPLICATION

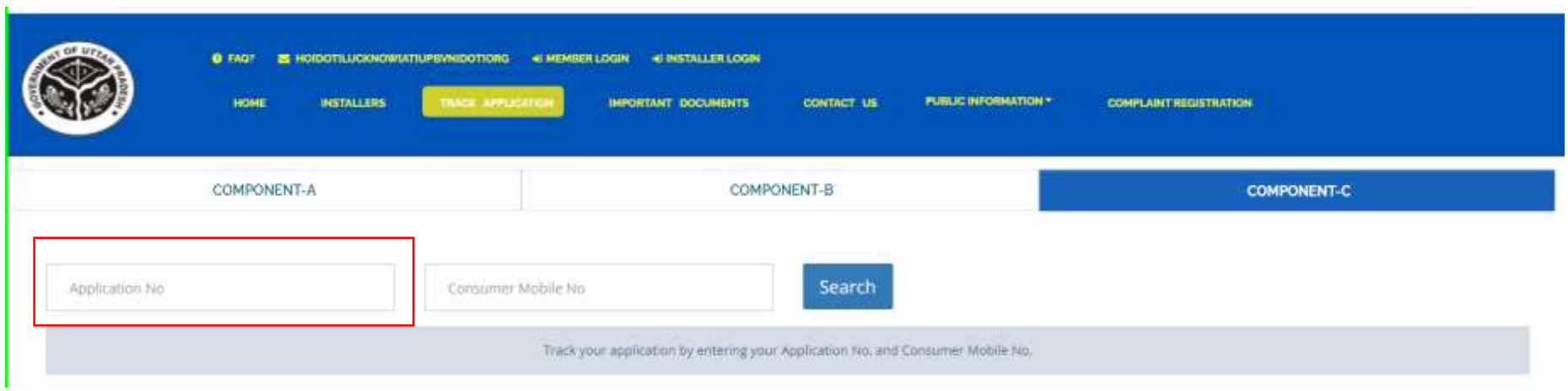


Figure 8 APPLICATION ENTERED TO TRACK APPLICATION

- When user enter Application no. or Consumer/Farmer Mobile no. and click on “Search” button, below report (Figure 9) will be shown.
- The completed status will have date on which status was completed.



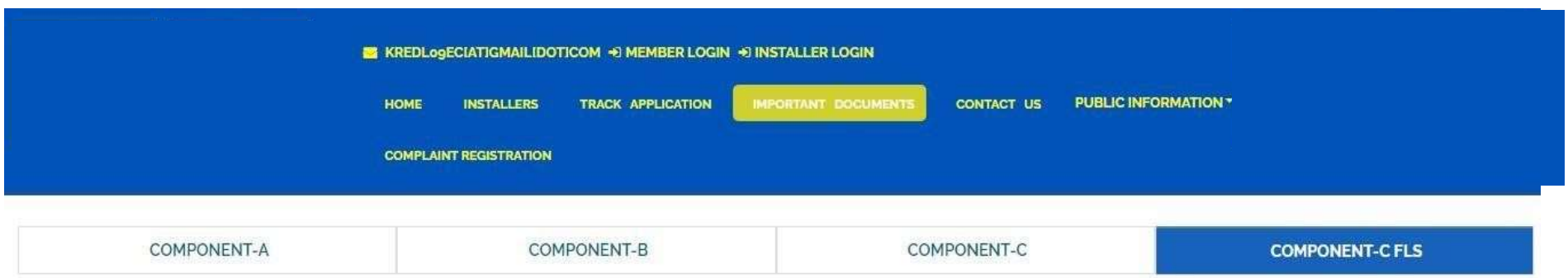
Scheme Progress Of: test i
Developer No: 111
Mobile No:

Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	No. of Solar Plants	19-07-2023	SuperAdmin	
2	Plant Location	19-07-2023	SuperAdmin	
3	LOA award			
4	PPA signing			
5	Financial Clearance			
6	Installation & Completion			
7	Electrical Inspector Certificate Received			
8	Export Meter Connected & Permission Received			
9	Testing, Commissioning & Synchronization			
10	Plant Charged			
11	Go Live with RMS Data			
12	On Hold			

Figure 9 TRACK APPLICATION REPORT

- **“IMPORTANT DOCUMENTS”** tab displays list of documents that are vital for the PM KUSUM scheme. (as shown in Figure10)
  - Uploaded Documents can be taken out manually.

N



- User Manual

Figure 10 IMPORTANT DOCUMENTS

- **“CONTACT US”** tab displays list of all Nodal officers of Districts for PM KUSUM C Feeder Level Solarisation (C FLS). (as shown in Figure 11

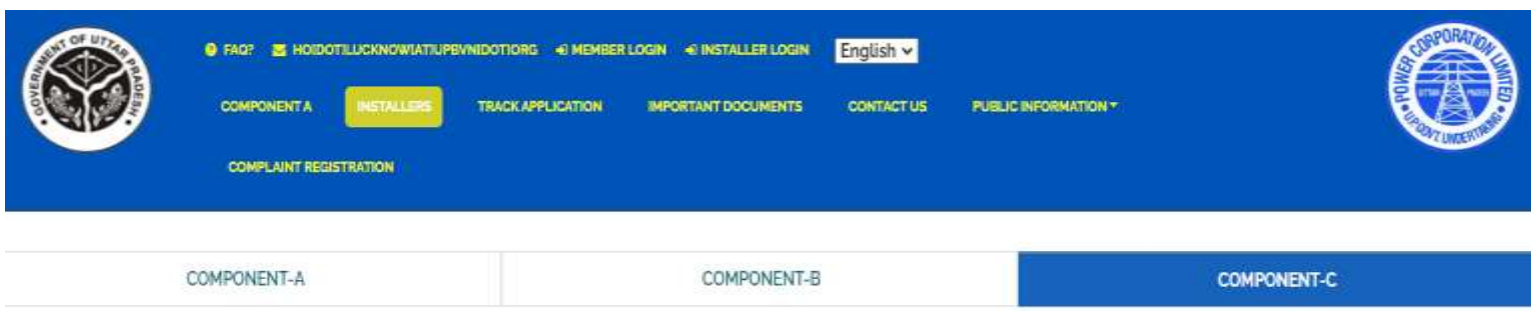


Figure 11 CONTACT US

4. SIGN IN ON SEDM PLATFORM

- To log in onto the SEDM portal, users can click on the "**MEMBER LOGIN OR INSTALLER LOGIN**" option on the Welcome Page.(highlighted in red in Figure 12)

Table 4 INFORMATION OF LOGIN

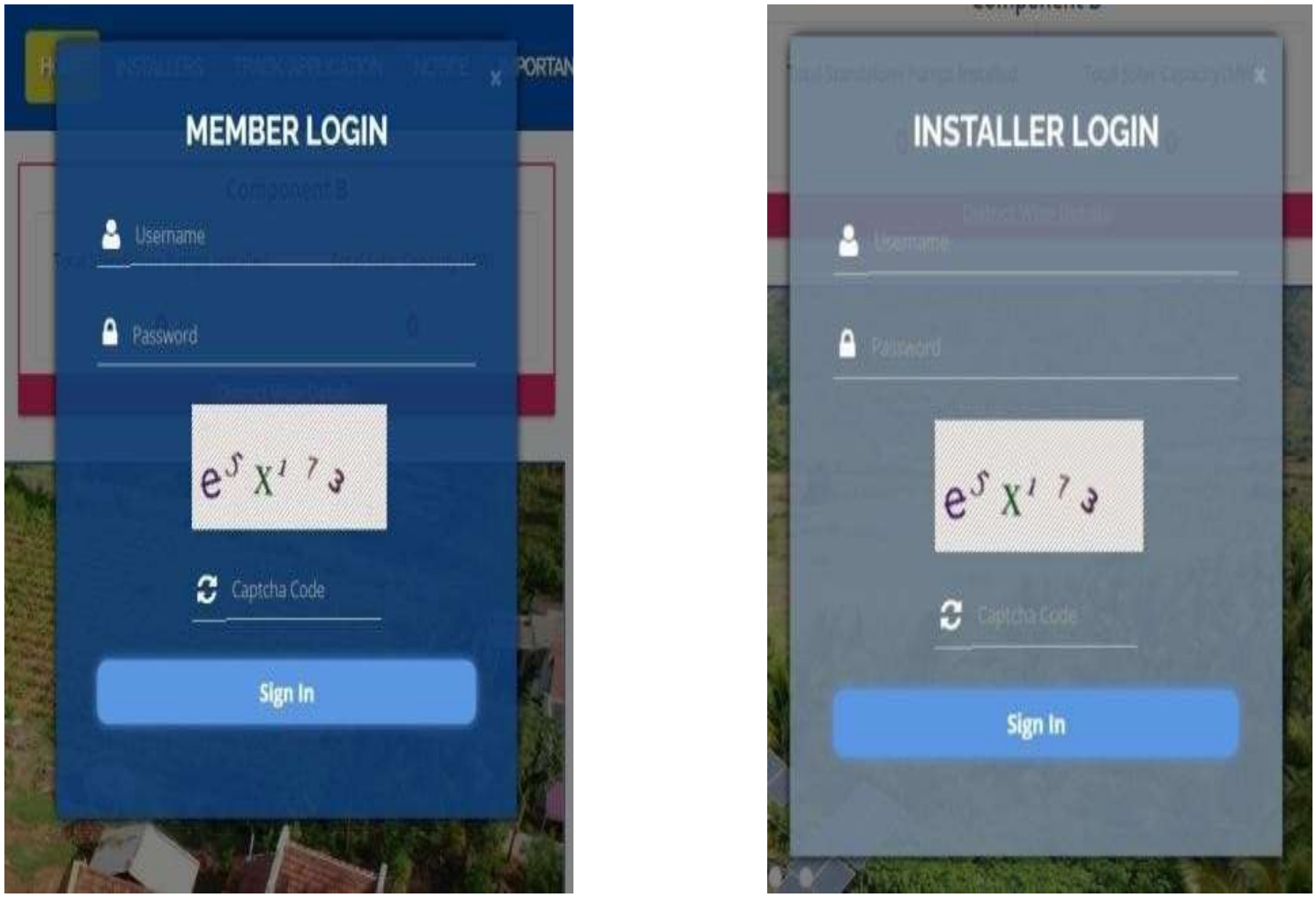
Role	Login Option
Head Officer	
District Officer	**MEMBER LOGIN**
Empanelled Agency/Developer	**INSTALLER LOGIN**

- Such login options will be visible to all users including HO, DISCOM, SDN and EA.

- By clicking on the login options, it will show a pop-up box where the user must enter his username, password and the captcha code to sign in into their account.
- The user will be provided the credentials via email if the email gateway is configured.
- NOTE: If email gateway is not configured then Organization admin can share credentials manually. (click **User Role** for more details)



Figure 12 ***SIGN*** *IN PAGE*



Member Login pop-up for State Implementing Agency

Installer Login pop-up for Empanelled Agency

Figure 13 SIGN IN SCREEN

5. HOME PAGE

- After the user successfully logs in to the SEDM portal it lands on the Home Page screen.

On the Home Page, users can select any of the 1 components to view the required Consumer/Farmer details, asset management, application tracking, performance analysis, etc.

- **Component A**: Distributed Solar PV
- **Component B**: Off Grid Solar Pump
- **Component C**: Grid Connected Solar Pump

- Navigation Steps: -
  1. Sign in on the State SEDM Portal
  2. Click on ‘Off Grid Solar Pump’ icon on the Home Page as shown in the Figure 14 to access the Component-B of PM-KUSUM Scheme.

- Users having rights to access of related components (A, B, C) only will be allowed to navigate through



Figure 14 HOME PAGE

6. USER PROFILE PAGE

- The users can view their profile information by clicking on the ‘user’ icon image in the top right corner (highlighted in red in below Figure 15) on this manual is for Component B le bar and then selecting the ‘My Profile’ option.

  - Navigation Steps: -
    1. Sign in on the State SEDM Portal
    2. Click on the ‘User’ icon on the Title Bar of the SEDM Portal Dashboard

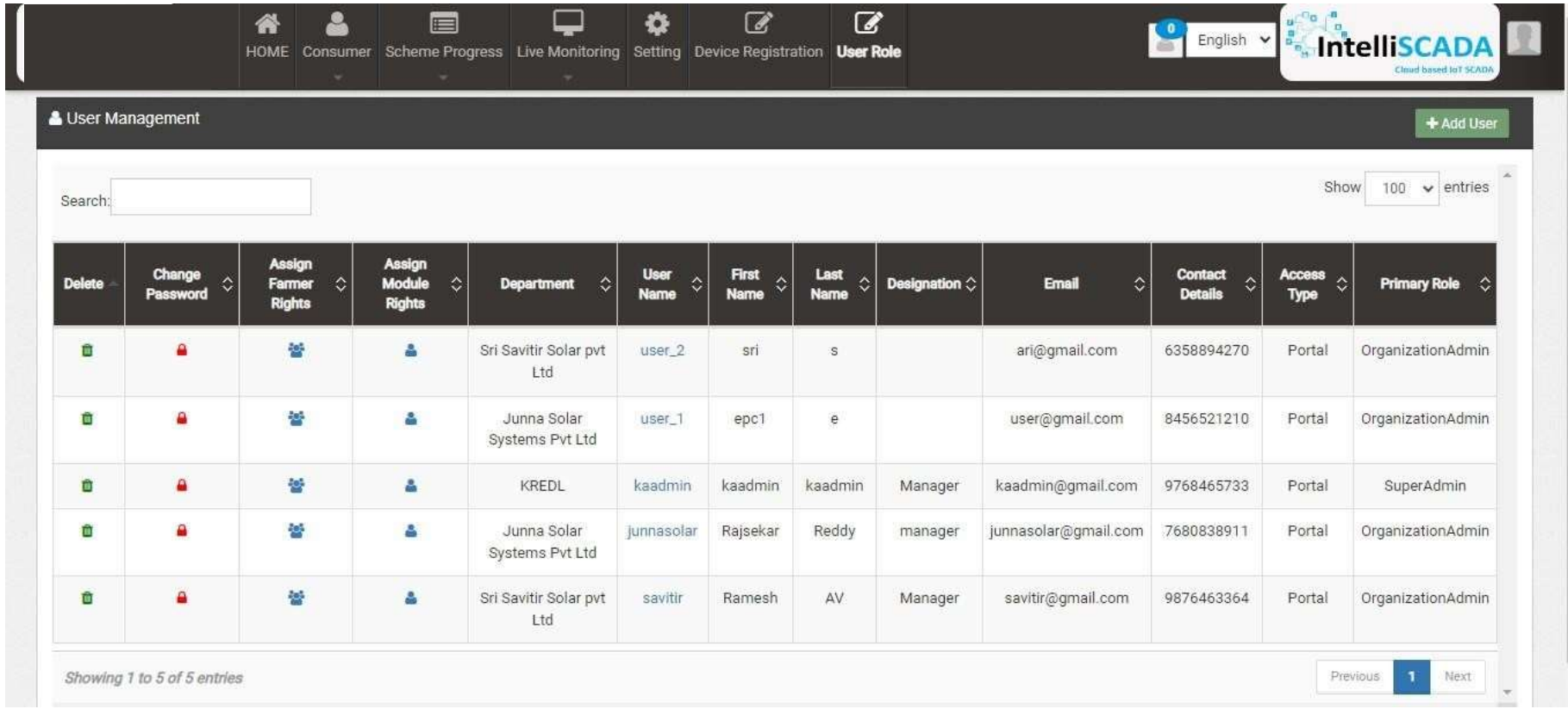


Figure 15 USER ROLE

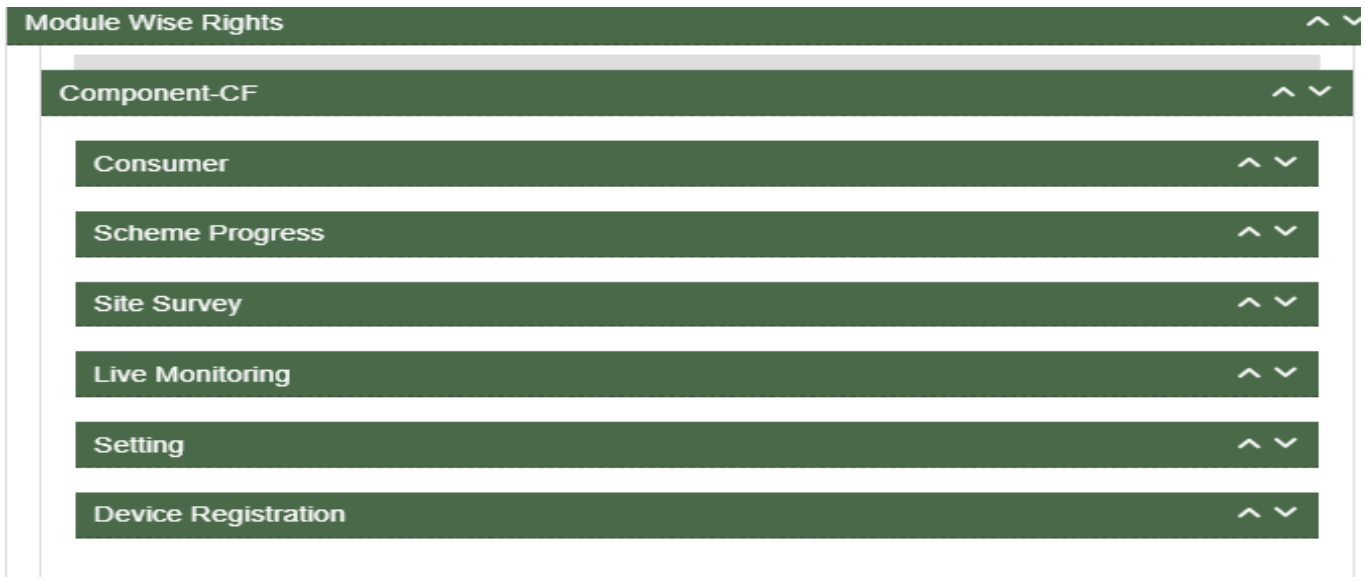


Figure 16 USER PROFILE INFORMATION BOX

- The following details are listed under ‘My Profile’ template card:
  - Username
  - First Name
  - Last Name
  - Email
  - Phone Number
  - Department
  - Department Role
  - Access Type
  - User Rights

- If the user wishes to change any details or sees a discrepancy in his details, he can contact the SEDM support team for required modifications.

- Ctrl + Click here ⟶ **“Support Team”** for Support Team Contact detail

7. CHANGE PASSWORD

- The users can change their account password by clicking on the ‘user’ icon image in the top right corner on the title bar and then selecting the ‘Change Password’ option.

➢ Navigation Steps: -

1. Sign in on the State SEDM Portal
2. Click on the ‘User’ icon on the Title Bar of the SEDM Portal Dashboard
3. Click on the ‘Change Password’ option from the drop-down menu

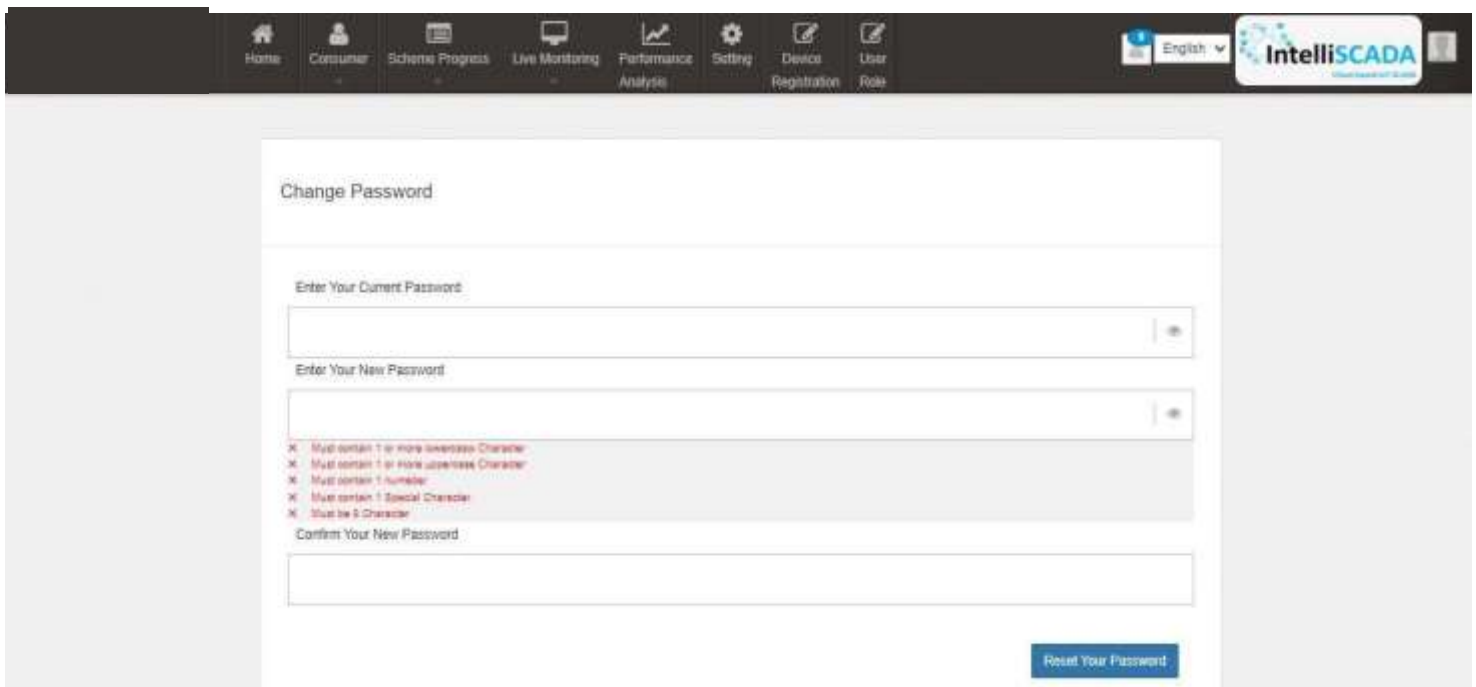


Figure 17 CHANGE PASSWORD

- The users can change their password by entering the current password, a new password and re-entering the new password to confirm it in the mentioned text fields. Then click on the 'Change Password' button to complete the process.

- Your New Password box and Confirm Your New Password box must have same password inputs otherwise an error will occur i.e. **Please enter the same password as entered New Password**

Note: Users should make sure their passwords are strong and secure as per below mentioned validations to avoid any untoward activities or misuse of their credentials by any other party.

- Length must be of minimum 8 characters
- 1 or more lowercase character
- 1 or more uppercase character
- 1 special character
- 1 or more numbers
-

8. REGISTER NEW STATE IMPLEMENTING AGENCY (SIA)

➢ SIA will be shared **Super Admin** credential that can have access to all the three Components i.e. Distributed Solar PV (Component A), Off Grid Solar Pump (Component B) and Grid Connected Solar Pump (Component C) and also can have access to all the below mentioned 9 modules of portal:

- Consumer
- Scheme Progress
- Live Monitoring
- Performance Analysis
- Setting
- Device Registration
- User Role

Figure 18 MODULES



- Super Admin can register new State Implementing Agency (SIA) and Empanelled Agency (EA) in “Setting” module.

9. SETTING MODULE

- New Empanelled Agency & State Implementing Agency can be registered in “Setting” module.

➢ Navigation Step :-
1. Sign in on the State SEDM Portal
2. Click on the Setting Module

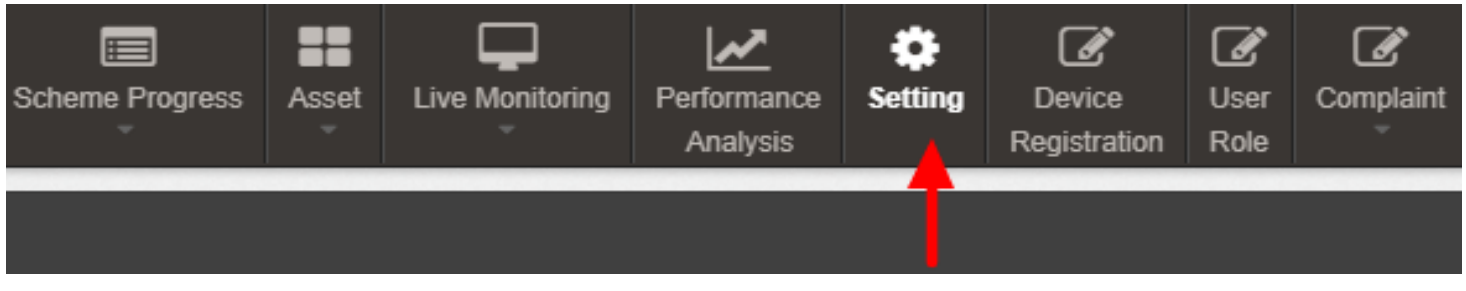


Figure 19 SETTING MODULE

9.1. REGISTRATION OF DISCOM

- Super Admin can register DISCOM by clicking on “DISCOM” tab as pointed in below Figure 19.

➢ Navigation Step :-
1. Sign in on the State SEDM Portal
2. Click on the Setting Module
3. Click on DISCOM

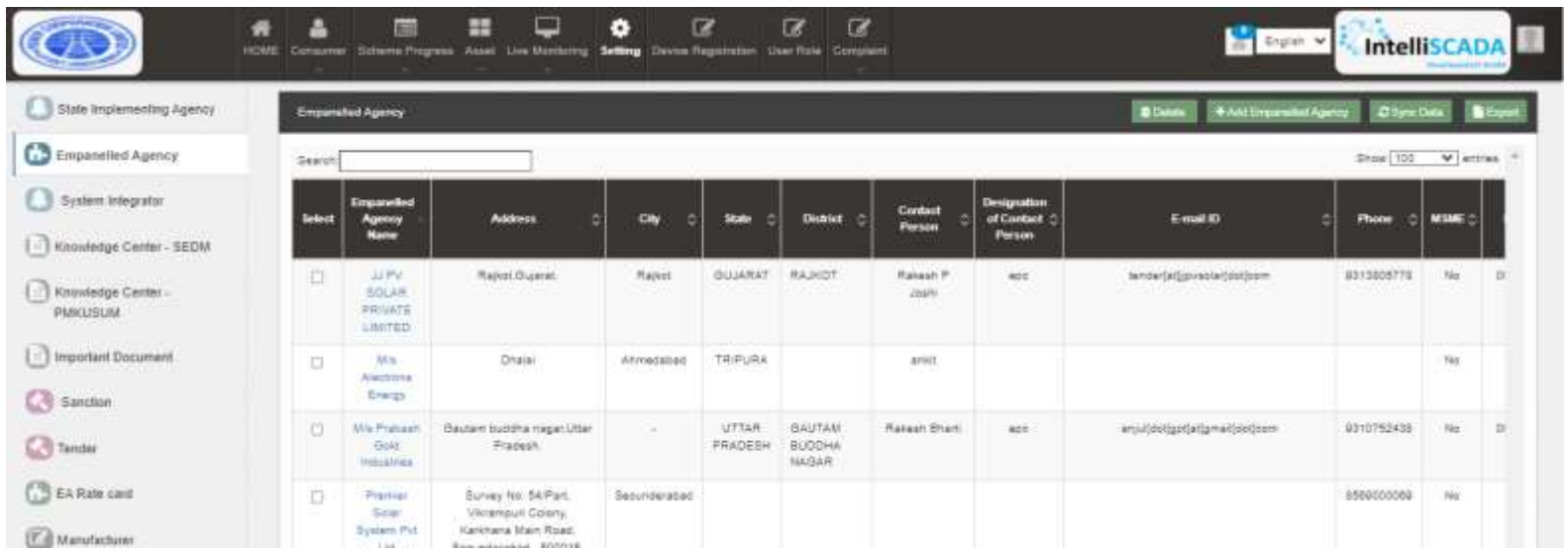


Figure 20 EMPANELLED AGENCY TAB

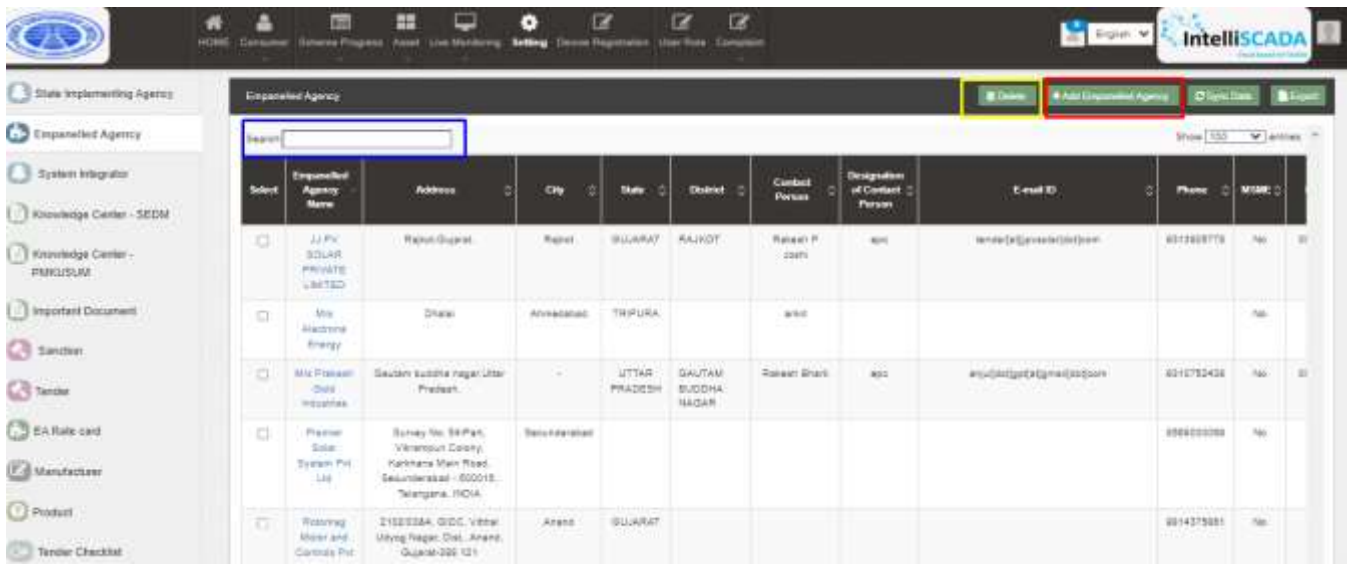


Figure 21 EMPANELLED AGENCY TAB DASHBOARD

Table 5 EMPANELLED AGENCY DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	Description
Search	Empanelled Agency	Blue	Text Box	Enter input to explore agencies details
Delete	Delete Empanelled Agency	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete Empanelled Agency. This will be a soft delete wherein, all the data related to DISCOM will still be stored in Database
Add DISCOM	Register Empanelled Agency	Red	Button	Register new Empanelled Agency by clicking on Add Empanelled Agency button
Export	CSV file for Empanelled Agency details	Green	Button	Download CSV file of DISCOM details

- User can register new Empanelled Agency by clicking on “Add Empanelled Agency button” button. (highlighted in red in Figure 20)

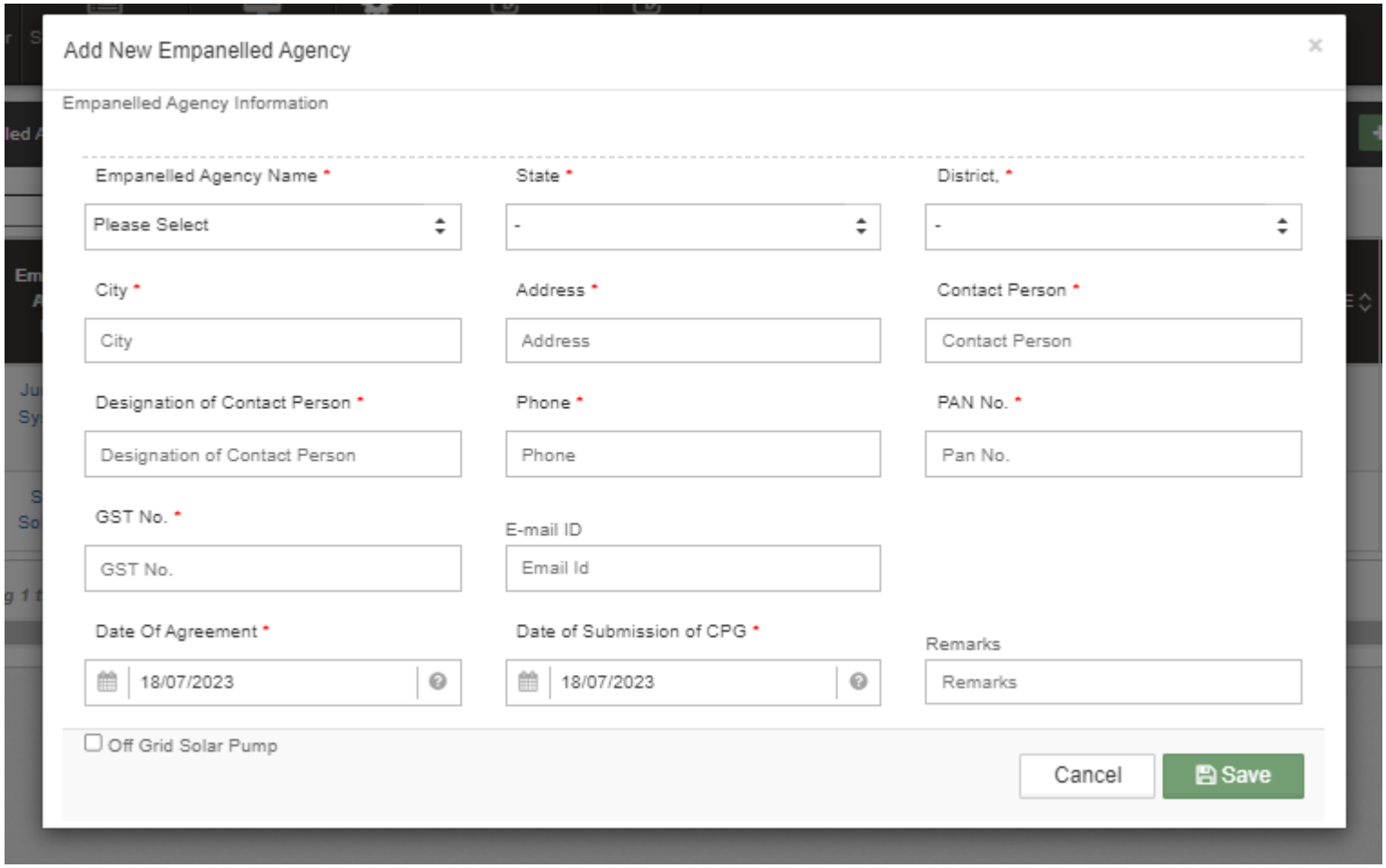


Figure 22 NEW EMPANELLED AGENCY DETAILS

Table 6 DISCOM REGISTRATION FIELDS DESCRIPTION

Field	Input	Mandatory Field	Sample Values	Description	Validations
Discom Code	Text box	✓	01562	Enter Discom code (if available)	-
Discom Name	Dropdown	✓	AGRA	Enter name of the DISCOM	-

State Code	Text box	✓	09	Enter state code as per the LG Directory	-

- After filling all the details, user has to click on the “Save” button (highlighted in red in Figure 21) to register discom.

9.2. REGISTRATION OF STATE IMPLEMENTING AGENCY (SIA)

- Super Admin can register New State Implementing Agency by clicking on “State Implementing Agency” tab as pointed in below Figure 22.

➢ Navigation Step :-

1. Sign in on the State SEDM Portal
2. Click on the Setting Module
3. Click on State Implementing Agency
4.

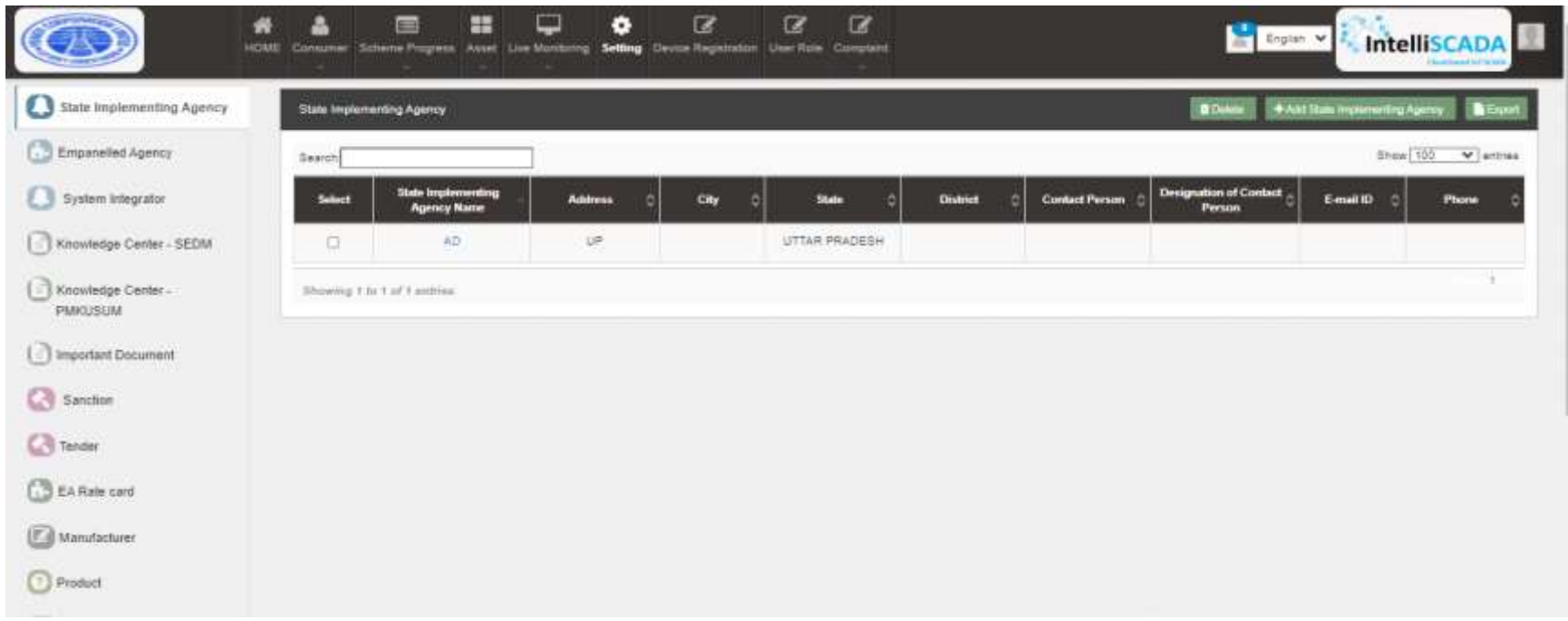


Figure 23 STATE IMPLEMENTING AGENCY TAB

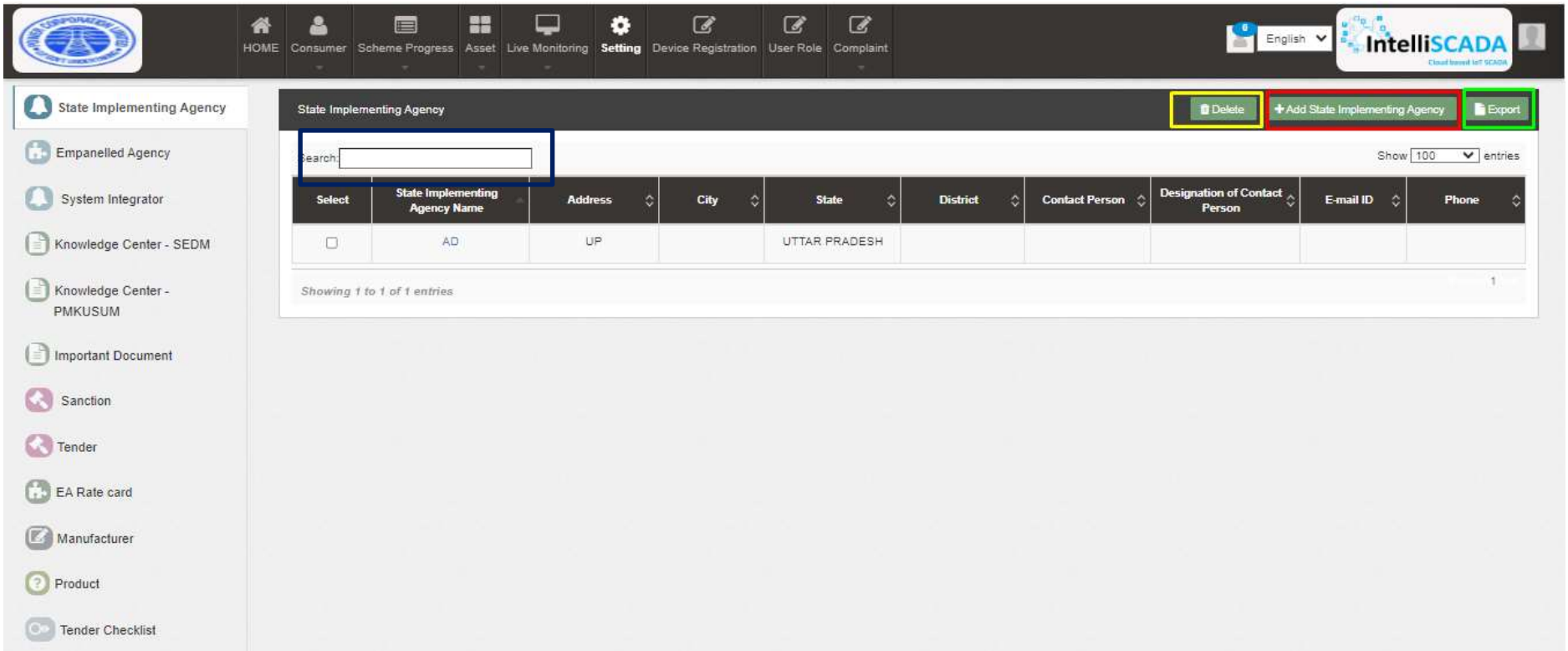
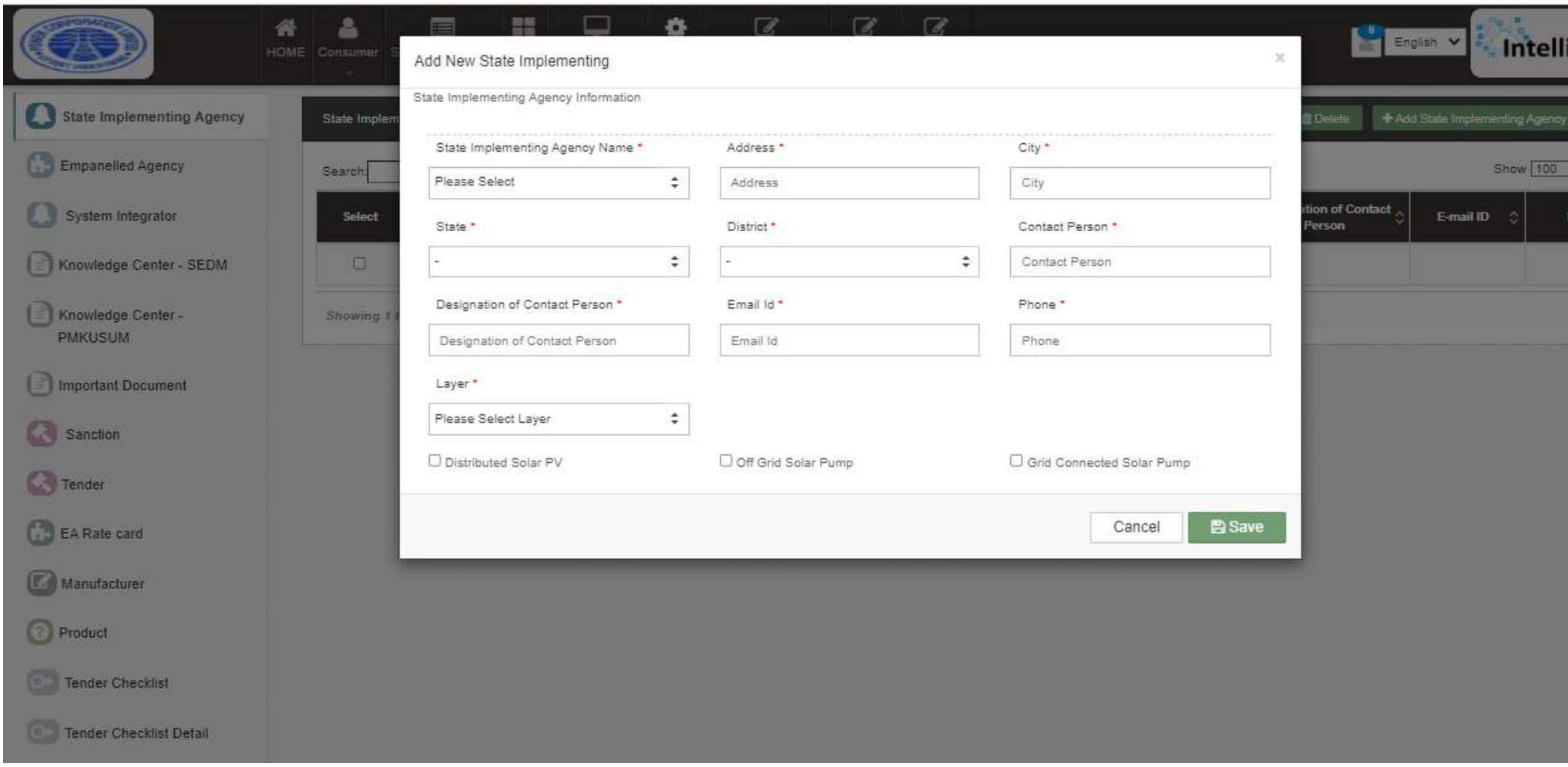


Figure 24 STATE IMPLEMENTING AGENCY TAB DASHBOARD

Table 7 STATE IMPLEMENTING AGENCY DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search State Implementing Agency	Blue	Text Box	Enter input to explore State Implementing Agency details
Delete	Delete State Implementing Agency	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete State Implementing Agency. This will be a soft delete wherein,all the data related to State Implementing Agency will still be stored in Database
Add State Implementing Agency	Register new State Implementing Agency	Red	Button	Register new State Implementing Agency by clicking on Add State Implementing Agency button

Export	CSV file for State Implementing Agency	Green	Button	Download CSV file of State Implementing Agency details,



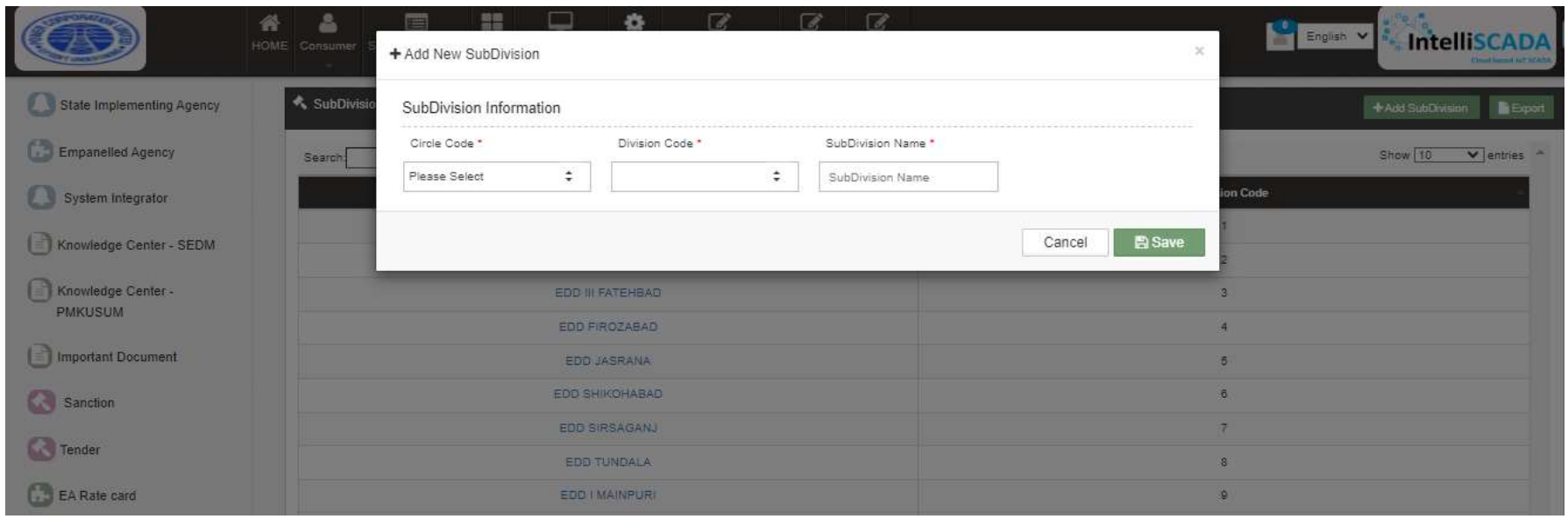


Figure 25 NEW SUB DIVISION DETAILS

Table 8 STATE IMPLEMENTING AGENCY REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description	Validations
Circle Code	Drop Down	- 015234	✓	015234	Select Circle code as per	-
					the requirement.	
Division Code	Drop Down	-	✓	xyz	Select division code as per the requirement.	-
Subdivision name	Text	-	✓	014754	Enter name	-

- After filling all the details, user has to click on the “Save” button (highlighted in red in Figure 24) to register New taluka
- After registering circle code and Division Code , Subdivision name can now create new subdivision

10 USER ROLE MANAGEMENT

- User Role Management module facilitates the creation of users of SIA with assignment of roles.
- Furthermore, it also provides the functionality to the Organization Admin of registering the new users of the corresponding Organization with access rights.
- After registering the Discom/SIA and Taluka, Super Admin can now register new users and assign roles through User Role module.

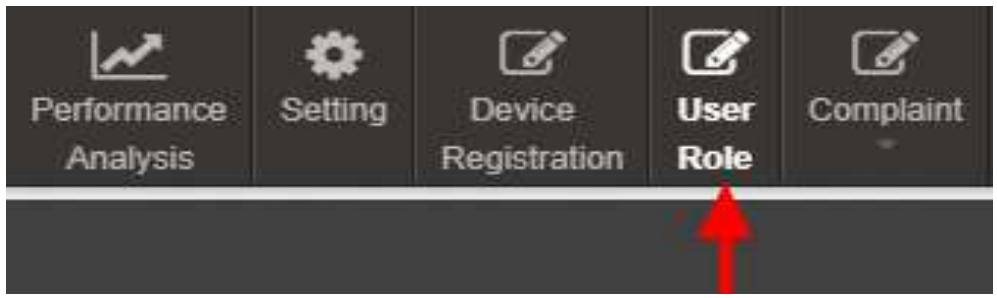


Figure 26 USER ROLE MODULE

10.1 REGISTER NEW USER

10.1 Register New User

- To register new user, Super Admin has to click on the “Add User” button (pointed in below Figure 26).

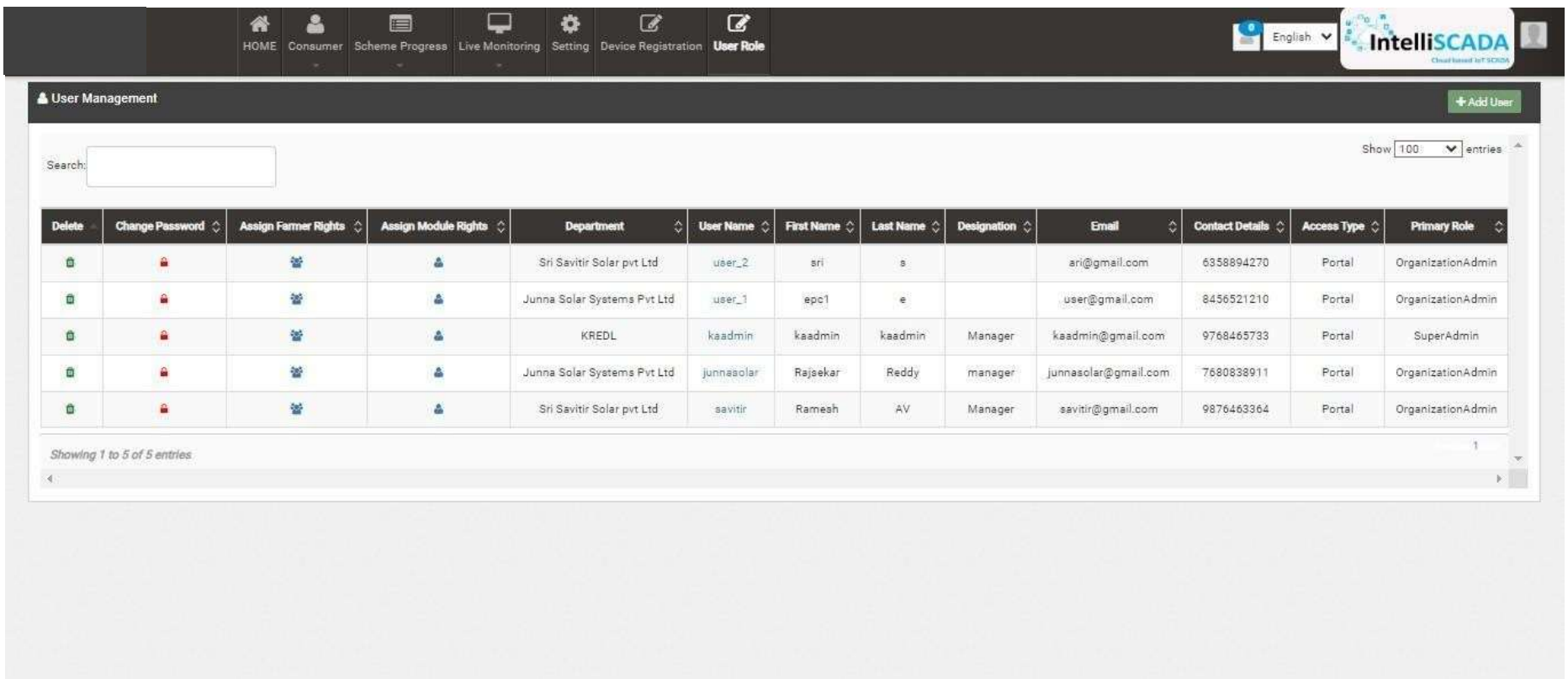


Figure 27 ADD USER BUTTON ON USER ROLE DASHBOARD

- To register new user, user has to enter two types of following details :
  - User Information
  - Module Roles

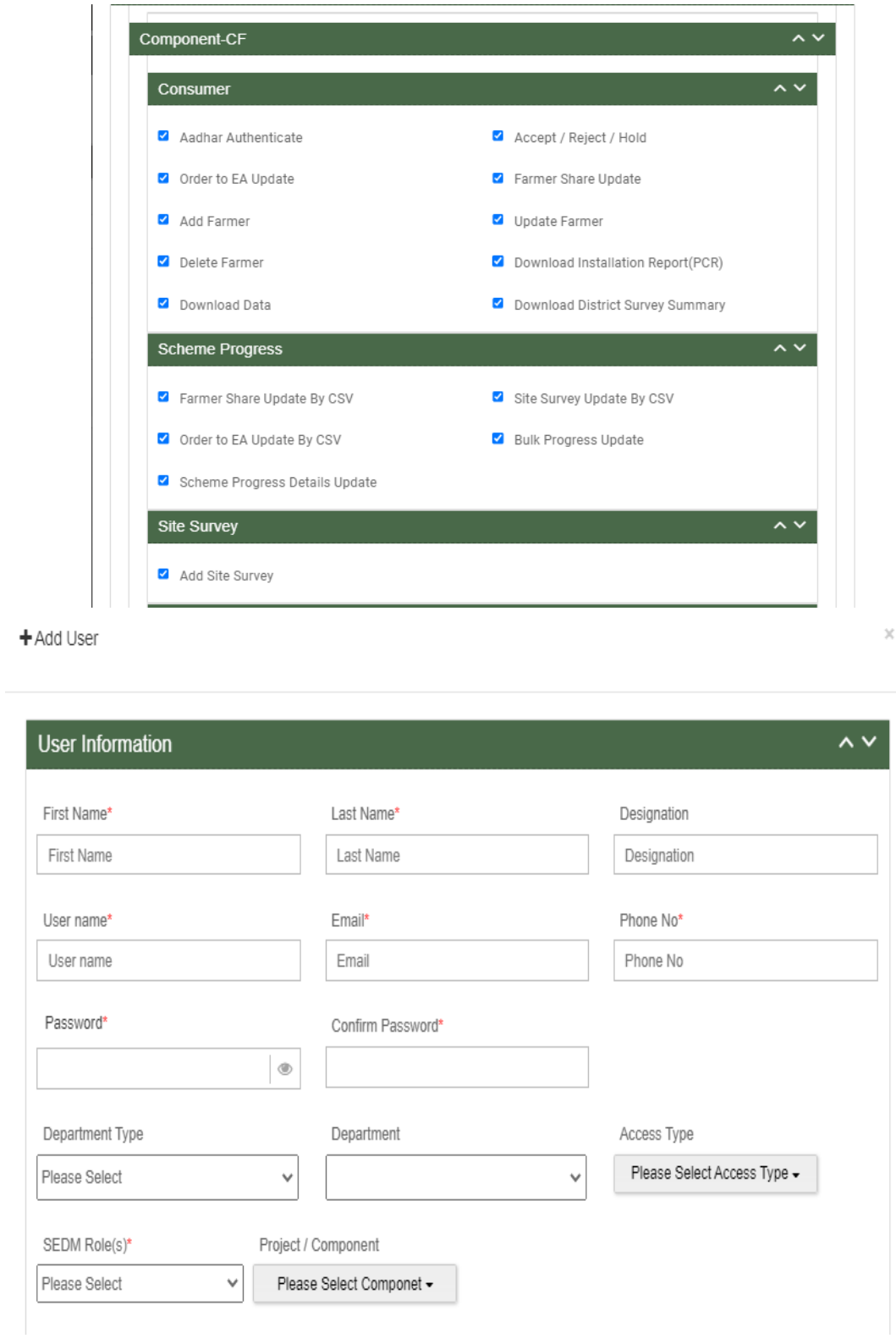


Figure 28 ADD USER FORM

❖ <u>User Information</u>

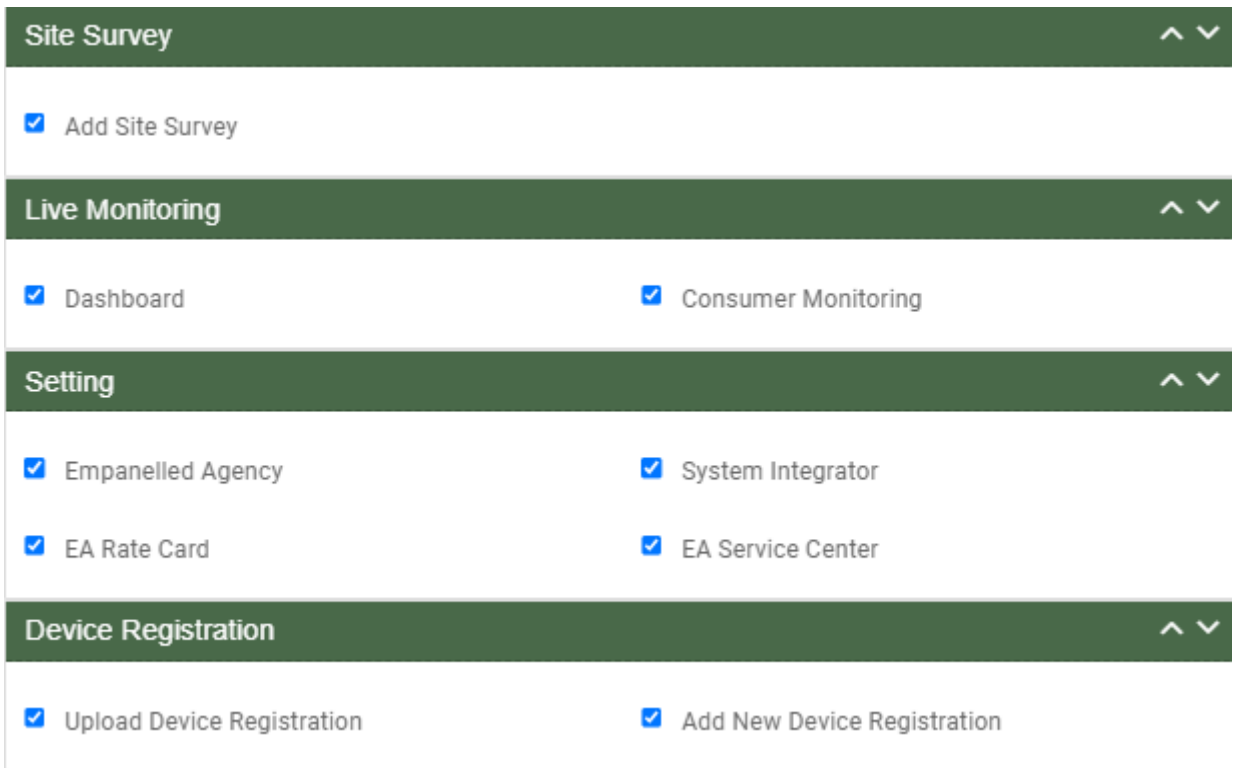


Figure 29 USER RIGHTS

Table 9 NEW USER REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description	Validations
First Name	Text	-	✓	Ram	Input first name of the user	-
Last Name	Text	-	✓	Sharma	-	-
Designation	Text	-	-	EPC	-	-
Username	Text	-	✓	ramsharma	-	-

Email	Email	**-**	✓	ram@gmail.com	**-**	It must contain : - Alphabets (a-z) in lower case only - Digits (0-9) (non mandatory)
						- Printable characters (! # $ % & ' * + - / = ? ^ _ ` { } | ~) - Symbol "@" - Domain name (gmail , gov , yahoo) - A period (.) - Sub domain name (co.in , com , org)
Phone No	Numerical	**-**	✓	7458748588	**-**	- Must be of 10 digits only
Password	Password	**-**	✓	Ram@123	**-**	- Length must be of minimum 8 characters - 1 or more lowercase character - 1 or more uppercase character - 1 special character - 1 or more numbers
Confirm Password	Password	**-**	✓	Ram@123	**-**	- Length must be of minimum 8 characters - 1 or more lowercase character - 1 or more uppercase character - 1 special character - 1 or more numbers
Department Type	Drop Down	- State Implementing Agency - Empanelled Agency - System Integrator	✓	Empanelled Agency	Selection of relevant Department as per the requirement. System Integrator is a separate Empanelled agency who installs RMS system separately as required in GJ	
Department	Drop Down	- KREDL	✓	Gautam Solar Pvt. Ltd.	Selection of relevant department according to the selected department type.	**-**
Access Type	Drop Down	- Only Configuration - Only Portal	✓	Only Portal	Selection of relevant access type as per the	**-**

		- Only Mobile Application			requirement. (refer **Table 9 ACCESS TYPE DROP DOWN**)	
User Role(s)	Drop Down	- Super Admin - Organization Admin - User	✓	Super Admin	Selection of relevant user role as per the requirement. Only Super Admin can create new Super Admin user.	**-**
LOne (DISCOM)	Drop Down	- BESCOM	✓	BESCOM	Selection of DISCOM	**-**
LTwo (circle)	Drop Down	- KOLAR - RAMNAGAR - TUMKUR - DAVANAGERE	✓	✓ TUMKUR	Selection of circle .	**-**
LThree (Division)	Drop Down	- HOSAKOTE - NELAMANGALA	✓	✓ HOSAKOTE ✓	SELECTION OF DIVISION	
LFour (Subdivision)	Drop Down	- DEVANHALLI - HOSAKOTE - NANDAGUDI - SULIBELEOMU	✓	DEVANHALLI ✓	SELECTION OF SUBDIVISION	
LFive (Substation)	Drop Down	- Substation - DEVANHALLI_66 - KUNDANA_66	✓	✓ Substation	SELECTION OF SUBSTATION	
Project / Component	Drop Down	- Distributed Solar PV – A - Off Grid Solar Pump – B - **Feeder Level Solarization (comp c – FLS)**	✓	Grid Connected Solar Pump –C	Selection of PM-KUSUM Scheme Component	**-**

Department Type Drop Down	Department Type	Description	Department Drop Down	Description
- **State Implementing Agency** - **Empanelled Agency** - **System Integrator**	State Implementing Agency	Selecting this option indicates that the new user will belong from the State Implementing Agency department type.	- **KREDL**	By selecting SIA will provide SIA list to process further as shown in Department Drop Down.
	Empanelled Agency	Selecting this option indicates that the new user will belong from the Empanelled Agency department type.	- Sai Savitr Solar Pvt. Ltd. - Junna Solar System Pvt. Ltd.	By selecting EA will provide EA list to process further as shown in Department Drop Down.
	System Integrator	Selecting this option indicates that new user will belong from the System Integrator department type.	- HKRP - ABCD	By selecting System Integrator will provide System Organization list to process further as shown in Department Drop Down.

Table 9 ACCESS TYPE DROP DOWN

Access Type Drop Down	Option Name	Description
- **Only Configuration** - **Only Portal** - **Only Mobile Application**	Only Configuration	This option gives writes to user to access configuration.
	Only Portal	This option gives writes to user to access Portal.
	Only Mobile Application	This option gives writes to user to access Mobile Application

Table 10 USER ROLE DROPDOWN

User Role Drop Down	Role	Access	User Creation	Specifications
- **Super Admin** - **Organization Admin** - **User**	Super Admin	This user has access of every module of State SEDM Platform.	This user can create “Organization Admin” & “User” and also can provide access to any of all modules.	This user can only register Tender, State Implementing Agency (SIA) and Empanelled Agency (EA).
				This user can create other Super Admin of SIA only and not of EA.
	Organization Admin	This user has access to the modules that Super Admin provided.	This user can create other “Organization Admin” and “User” and can provide access to those modules only that he have access of.	This user can create one or more “User” for its own Organization only.
	User	This user has access to the modules that Super Admin or Organization Admin provided.	This user can neither create any user nor can provide any access.	This user cannot register State Implementing Agency (SIA) & Empanelled Agency (EA) and cannot create any “User”.

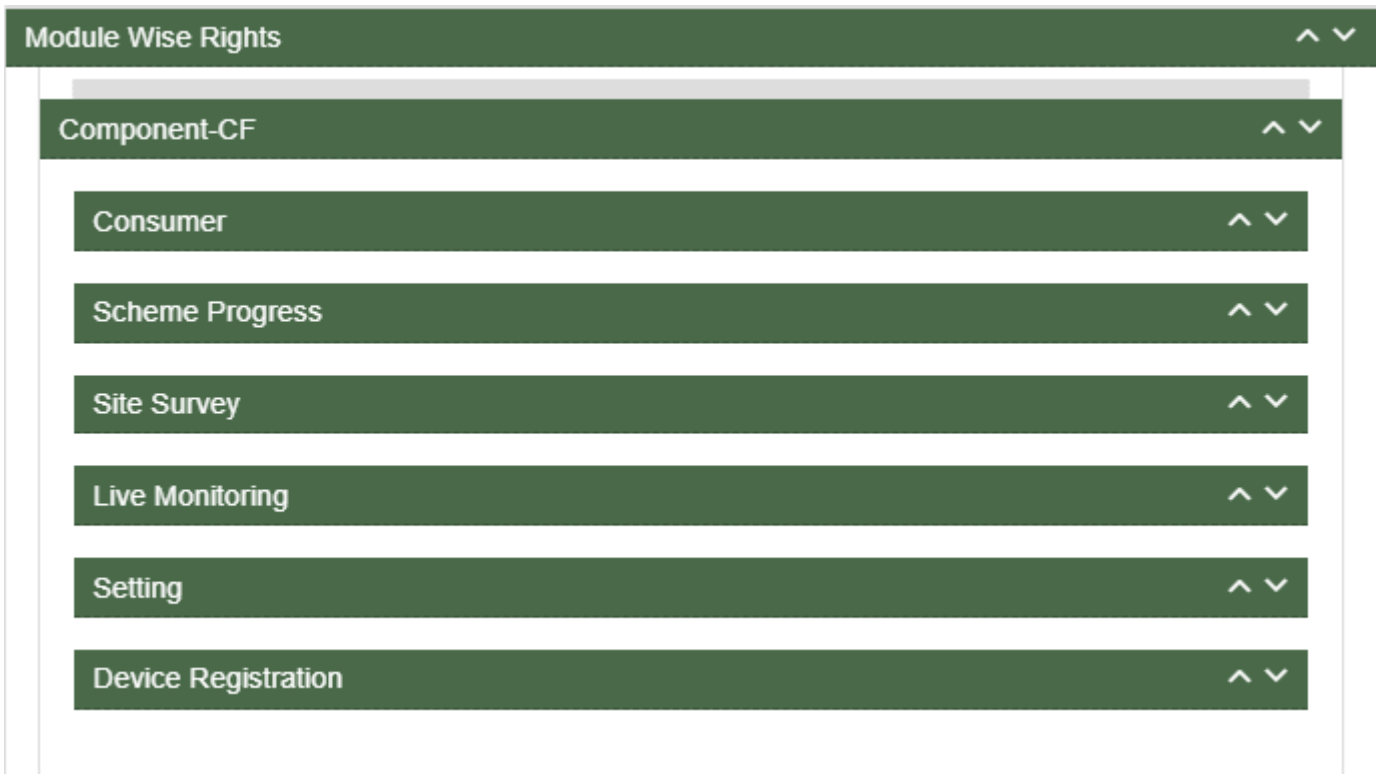
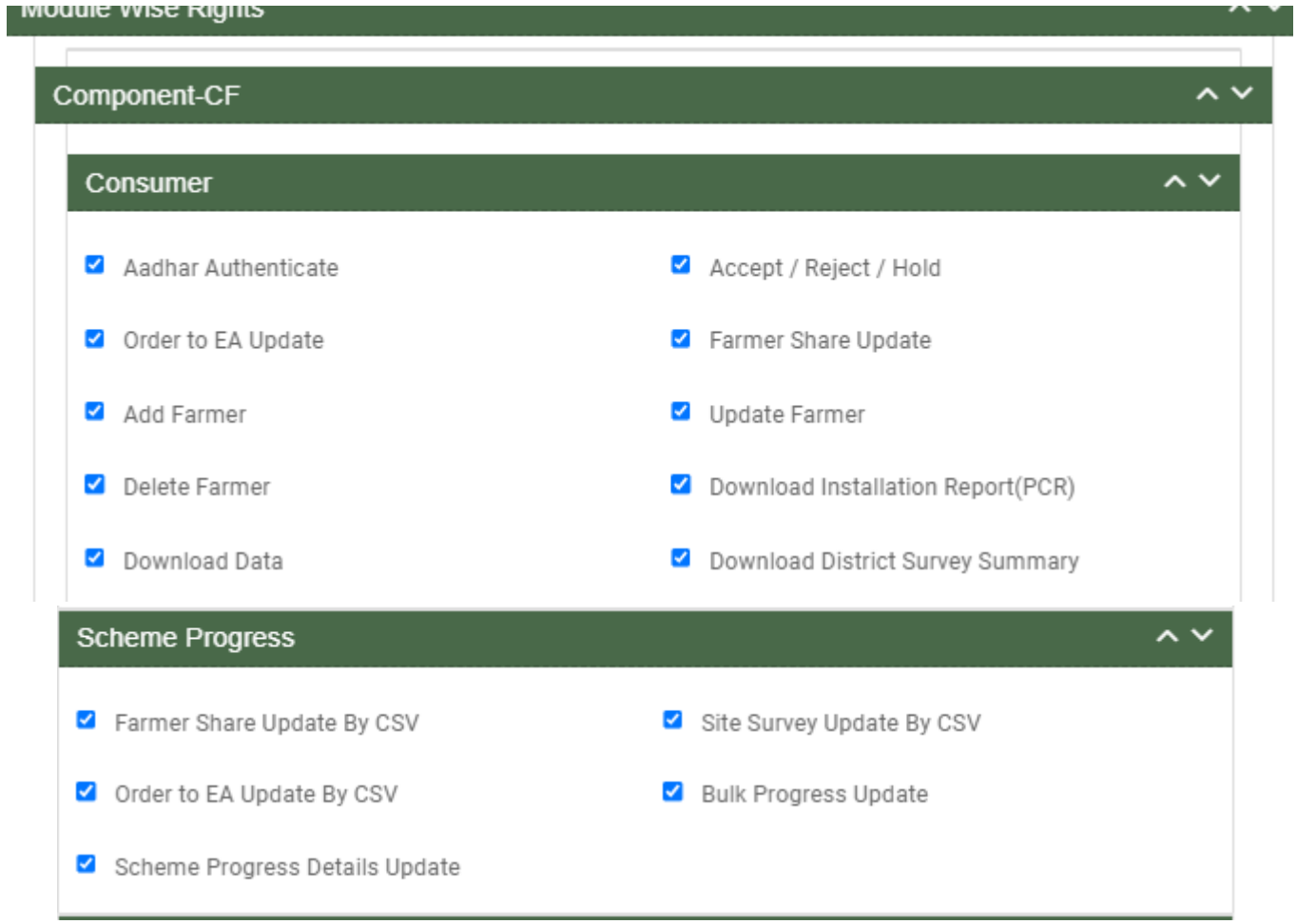


Figure 30 MODULE ROLES

- User has to click anywhere in the red highlighted boxes (as shown in the above Figure 28) to open up the module to provide the access of Functionality to the existing user.
- After opening the module, user has to select the Check Box (highlighted in red in below Figure 29) to choose the access of Functionality for the new user.
- Following are the Functionality, whose access can be decided by the Super Admin / Organization Admin for the new users or existing users :

❖ Consumer Functionality


Module Wise Rights
Component-CF
Consumer
Aadhar Authenticate
Accept / Reject / Hold
Order to EA Update
Farmer Share Update
Add Farmer
Update Farmer
Delete Farmer
Download Installation Report(PCR)
Download Data
Download District Survey Summary
Scheme Progress
Farmer Share Update By CSV
Site Survey Update By CSV
Order to EA Update By CSV
Bulk Progress Update
Scheme Progress Details Update

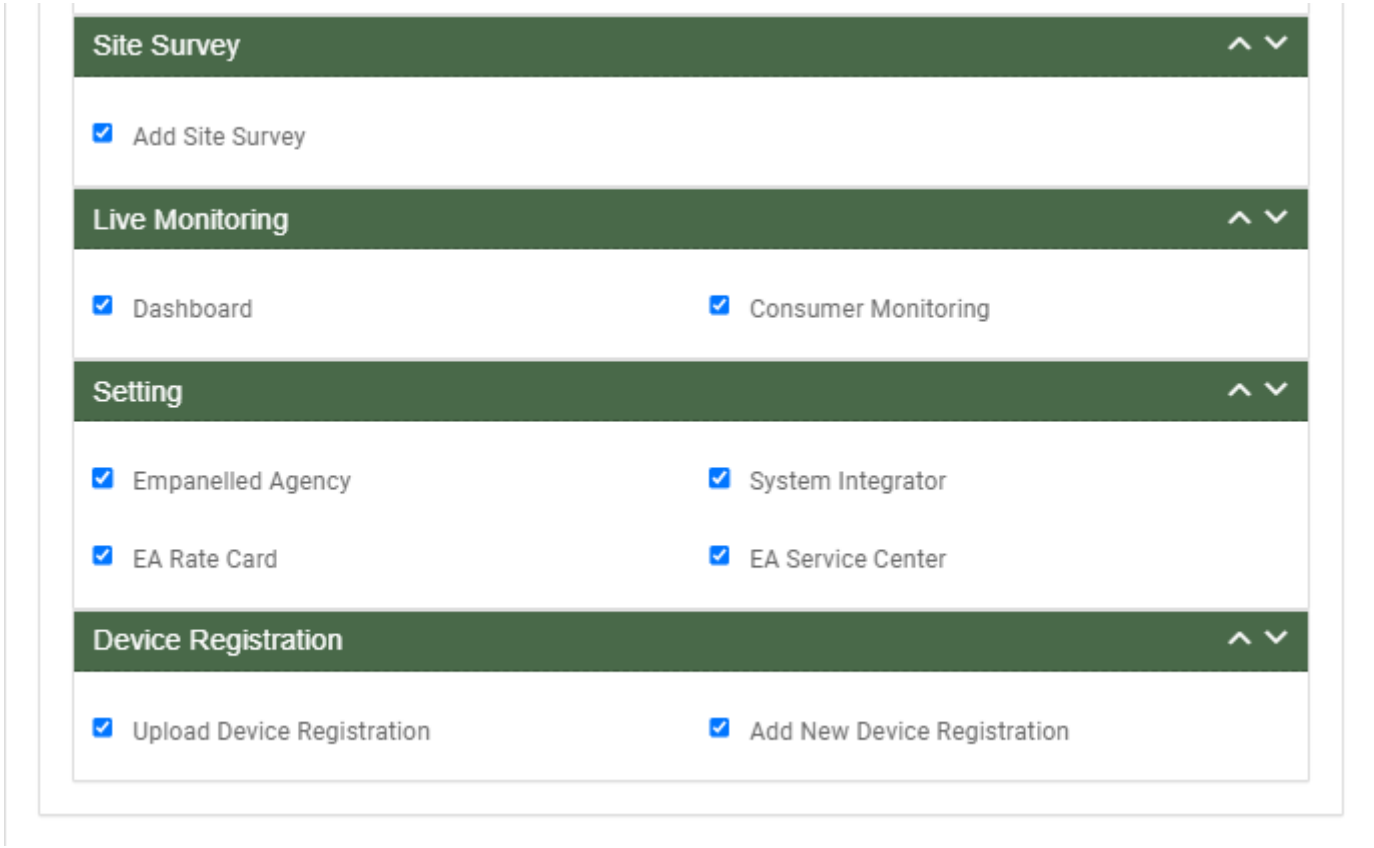


Figure 31 CONSUMER FUNCTIONALITY

Table 11CONSUMER FUNCTIONALITY

Consumer Functionality Name	Description
No of Solar Plants	It gives information about how many solar plants are planted
Plant Location	This gives us information about location of plant
LOA award	Selecting this Functionality will provide the access to update issue of LOA to the beneficiary/developer.
PPA signing	Selecting this Functionality will provide the access to update the PPA agreement between the developer and the DISCOM/SIA

Financial Clearance	Selecting this Functionality will provide the access to update the Financial Clearance between beneficiary/developer and DISCOM/SIA
Installation & Completion	This entry demonstrates that at which date solar plant is established
Electrical Inspector and Certificate received	This entry demonstrates that inspection is done and district officer gets certificate
Export meter connected & Permission received	Meter is connected with plant and permission received .
Testing, Comissio ning, & synchronization	This functionality provides updates about testing, commissioning and synced data
Plant Charged	Plant is charged
Go live with RMS Data	District officer can get information of live data
On Hold	This step demonstrates that application is on hold

❖ Scheme Progress

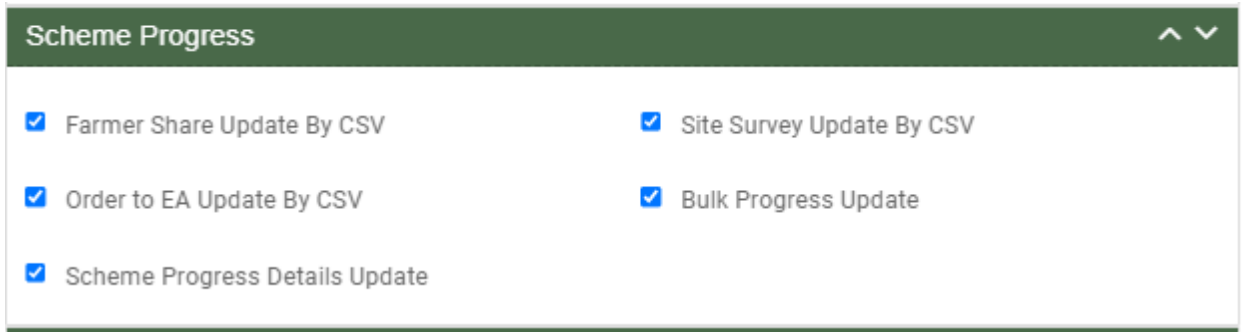


Figure 32 SCHEME PROGRESS FUNCTIONALITY

❖ Site Survey Functionality



Figure 34 SITE SURVEY FUNCTIONALITY

TABLE 12 SITE SURVEY FUNCTIONALITY

Site Survey Functionality Name	Description
Add Site Survey	Selecting this Functionality will provide the access to Site Survey Mobile Application update the consumer/farmer application status “Site Survey” via Site Survey.

FIGURE 32 ASSET FUNCTIONALITY

❖ Live Monitoring Functionality

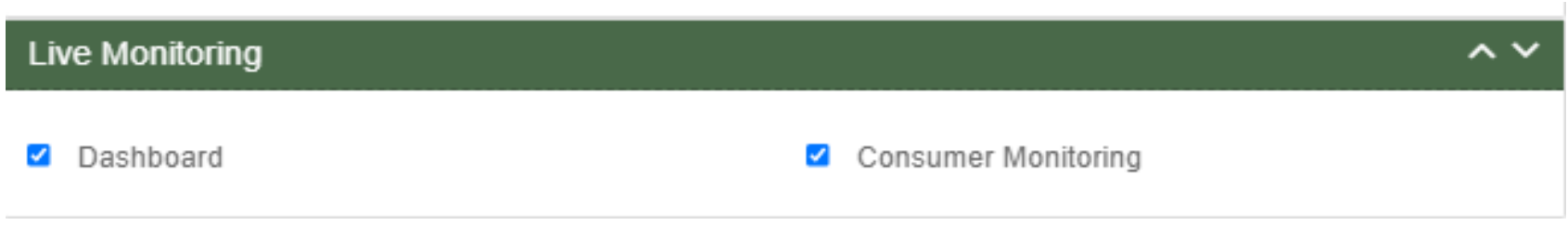


Figure 35 LIVE MONITORING FUNCTIONALITY

TABLE 13 LIVE MONITORING FUNCTIONALITY

Live Monitoring Functionality Name	Description
Dashboard	Selecting this Functionality will provide the access Live Monitoring Dashboard
Consumer Monitoring	Selecting this Functionality will provide the access of consumer monitoring in which user can monitor RMS data, map individual Asset Serial no. and IMEI nos., update I&C Done status and I&C Verification and Insurance

❖ Device registration Functionality

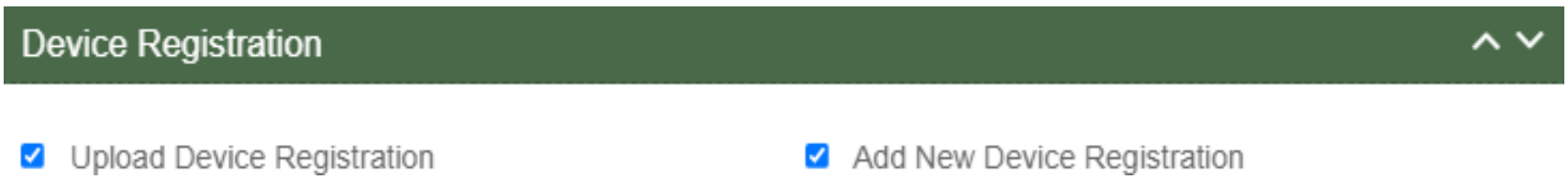


Figure 36 DEVICE REGISTRATION FUNCTIONALITY

TABLE 14 DEVICE REGISTRATION FUNCTIONALITY

Device Registration Functionality Name	Description
Upload Device Registration	Selecting this Functionality will provide the access to register Device IMEI numbers in bulk by uploading a CSV file.
Add New Device Registration	Selecting this Functionality will provide the access to register a Device IMEI number.

- After selection of the Functionality, Super Admin can create new user role and can also provide access to modules and Functionality to the new user. (Refer “User Role” drop down in New User Registration form - **Error! Reference source not found.**)

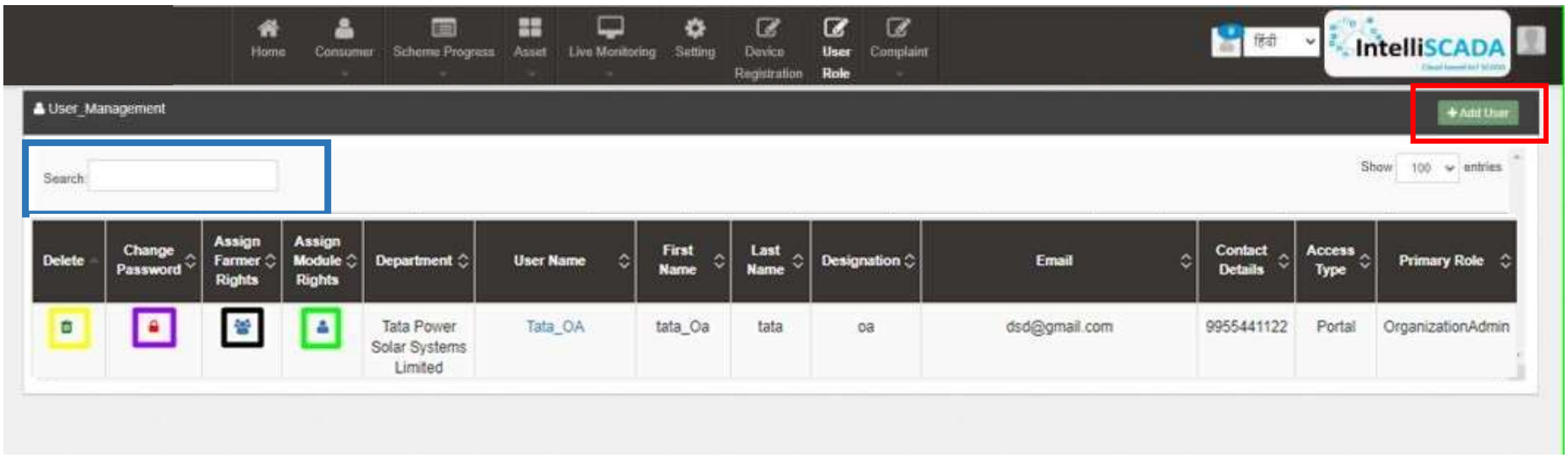


Figure 37 USER ROLE DASHBOARD

Table 12 USER ROLE DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search User	Blue	Text Box	Enter input to explore User details
Add User	Create New User	Red	Button	Create New User by clicking on Add User button
Delete Icon	Delete User	Yellow	Icon Button	Click on delete green icon button to Delete User details

Change Password Icon	Change Password	Purple	Icon Button	Click Change password red icon to change password
Assign Farmer Rights	Farmer wise Access	Black	Icon Button	This functionality will provide access to the user to view the data of RMS system of allowed/mapped farmers
Assign Module Rights	Edit Module Rights	Green	Icon Button	Using this option organization admin can modify User Rights.

- **Change Password**

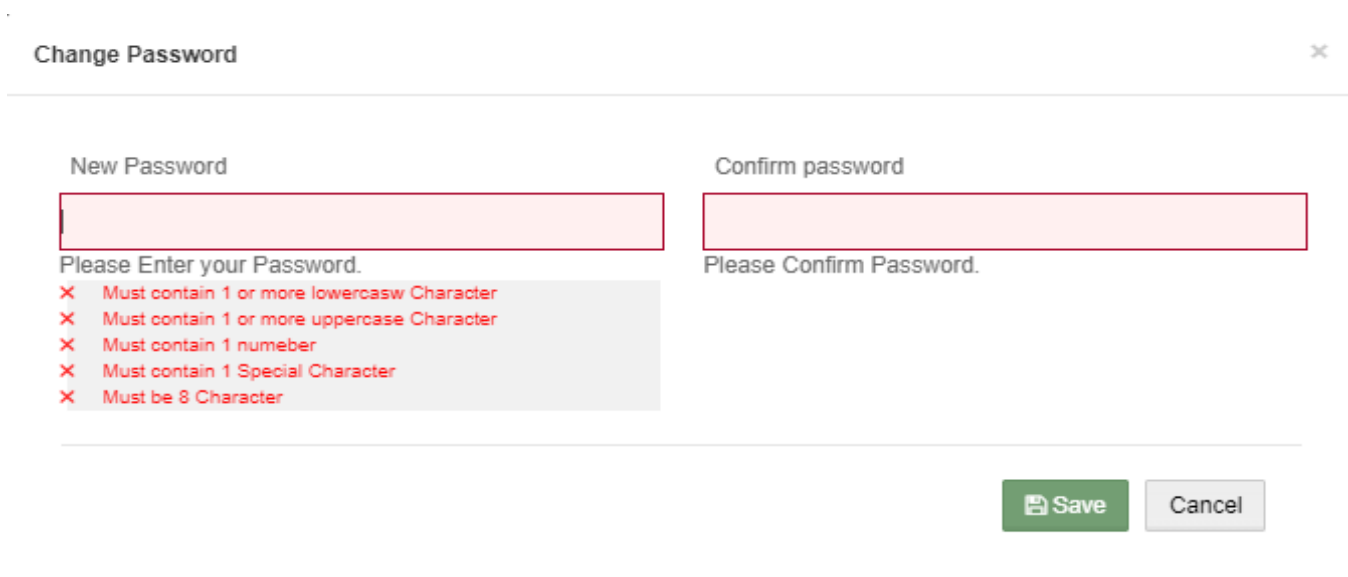


Figure 38 CHANGE PASSWORD SCREEN

- User has to enter “New password” and “Confirm password” as shown in above Figure 36.

- **Assign Farmer Rights**

- By clicking on the icon of “Assign Farmer Rights” (highlighted in black in Figure 35), Super Admin / Organization admin can provide access to the user to view the data of RMS System mapped with the selected farmers. (window screen for the same shown below in Figure 37)

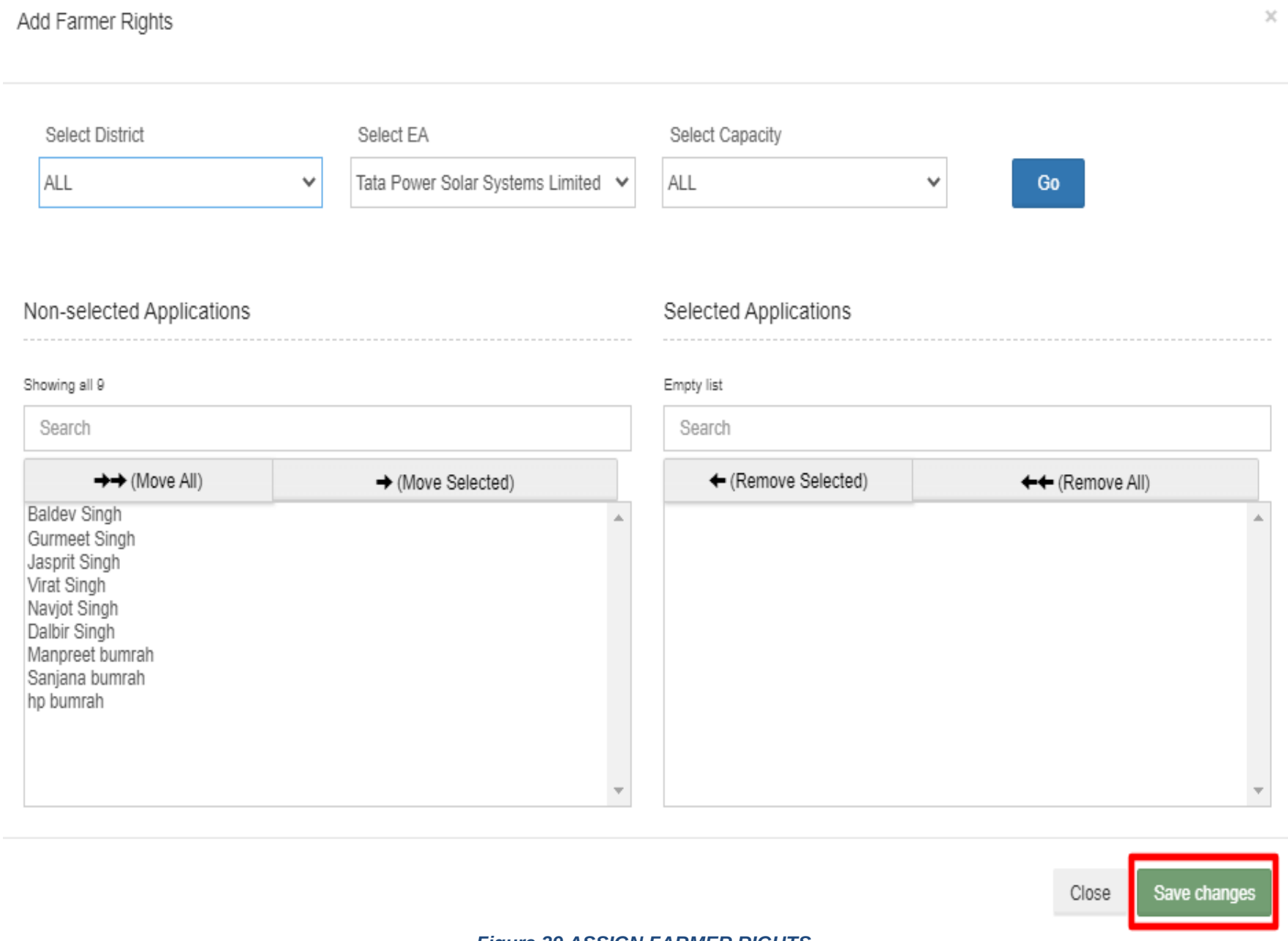


Figure 39 ASSIGN FARMER RIGHTS

- By moving beneficiary from Non-Selected Applications to Selected Applications, that particular user will get the access to view the RMS data of the selected Applications.
- User can update the module and Functionality access of any particular existing user by clicking on the user icon. (highlighted in green in Figure 35)

- After clicking on user icon, a Screen will occur for the editing the access of the Functionality. (as shown in

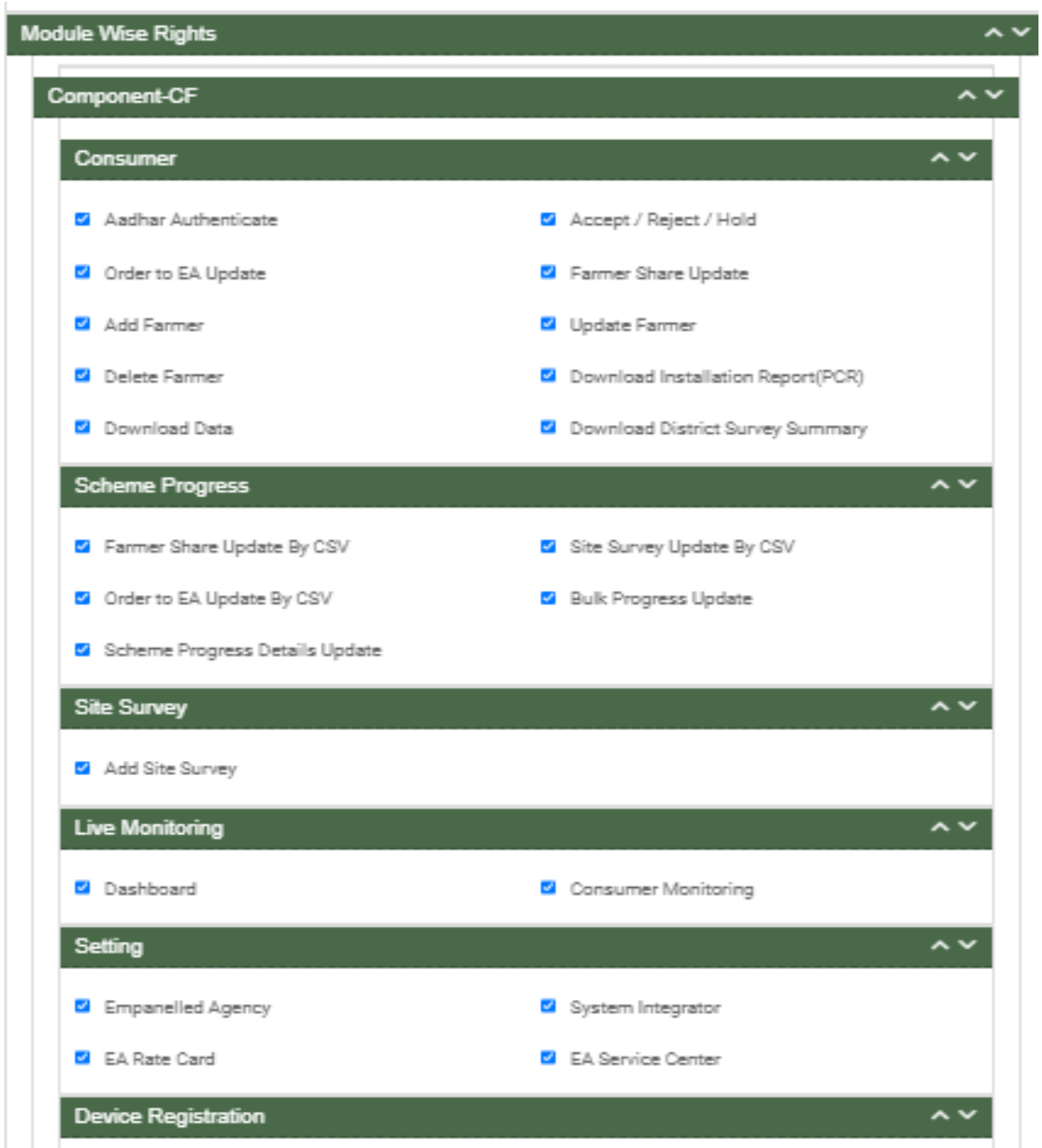


Figure 40 USER ROLE MODULE SELECTION SCREEN

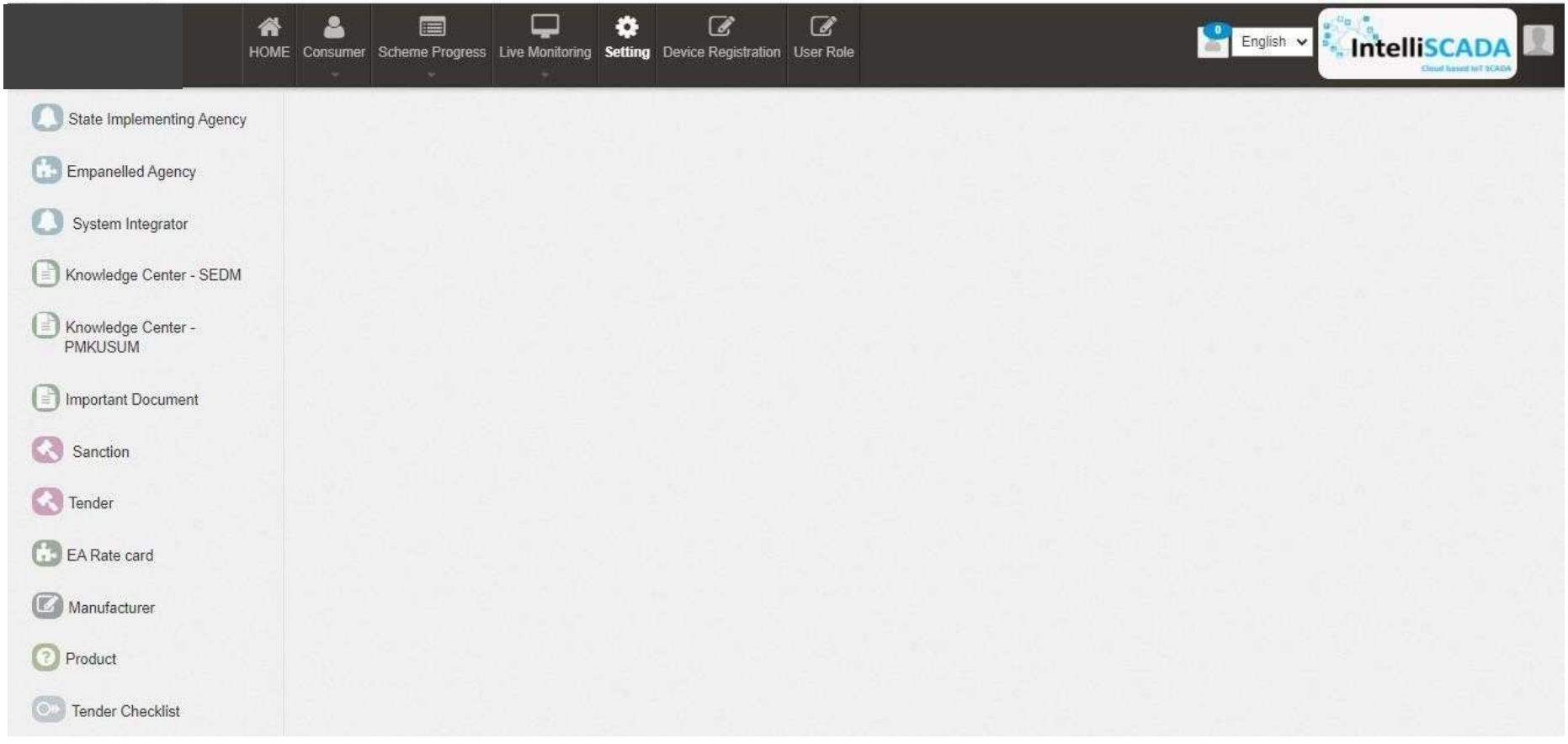
11 MASTER SETTINGS (CONFIGURATIONS)

- SIA with Super Admin credentials can add or update several following settings :
  - Empanelled Agency
  - System Integrator
  - EA rate card
  - EA Service center

- These updates can be performed in the “Setting” module.

➢ Navigation Step :-

1. Sign in on the State SEDM Portal
2. Click on the Setting Module



11.2. EA RATE CARD

- EA Rate Card includes Central/State/Farmer Contribution as the subsidy to the Farmer's total cost of the Solar Pump.
- It gives information of the total cost of the Solar Pump in "Rs." and in "%" divided between Central Government, State Government and the Consumer/Farmer.
- Super Admin can update these information in the "Setting" module.

➢ Navigation Step :-

1. Sign in on the State SEDM Portal
2. Click on the Setting Module
3. Click on EA Rate Card Tab

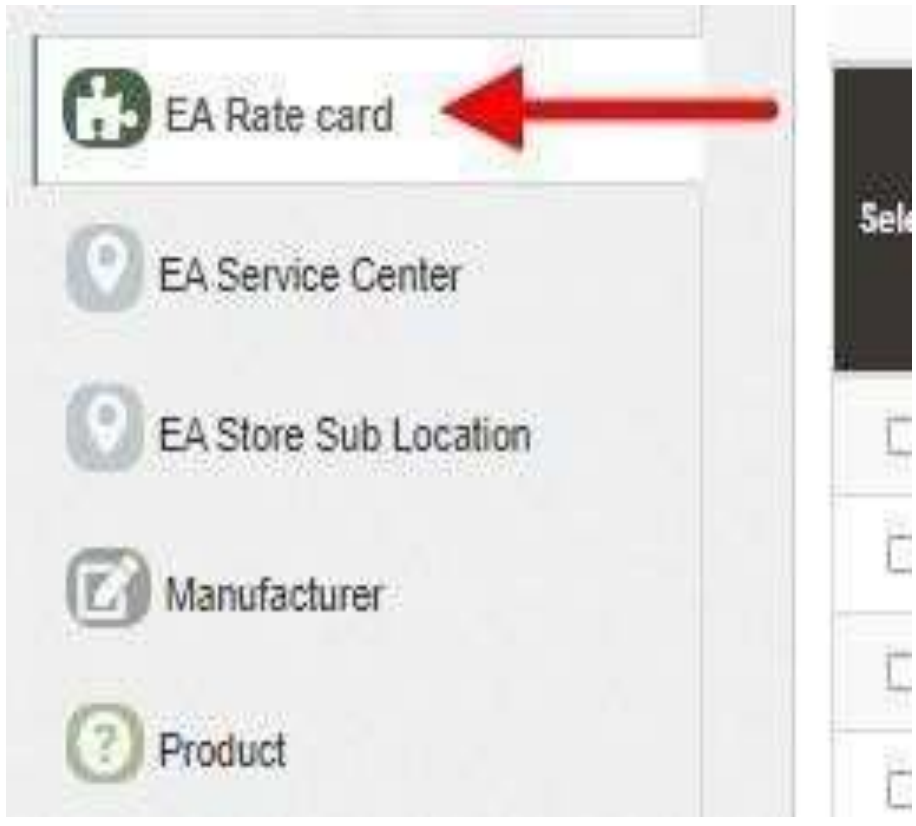
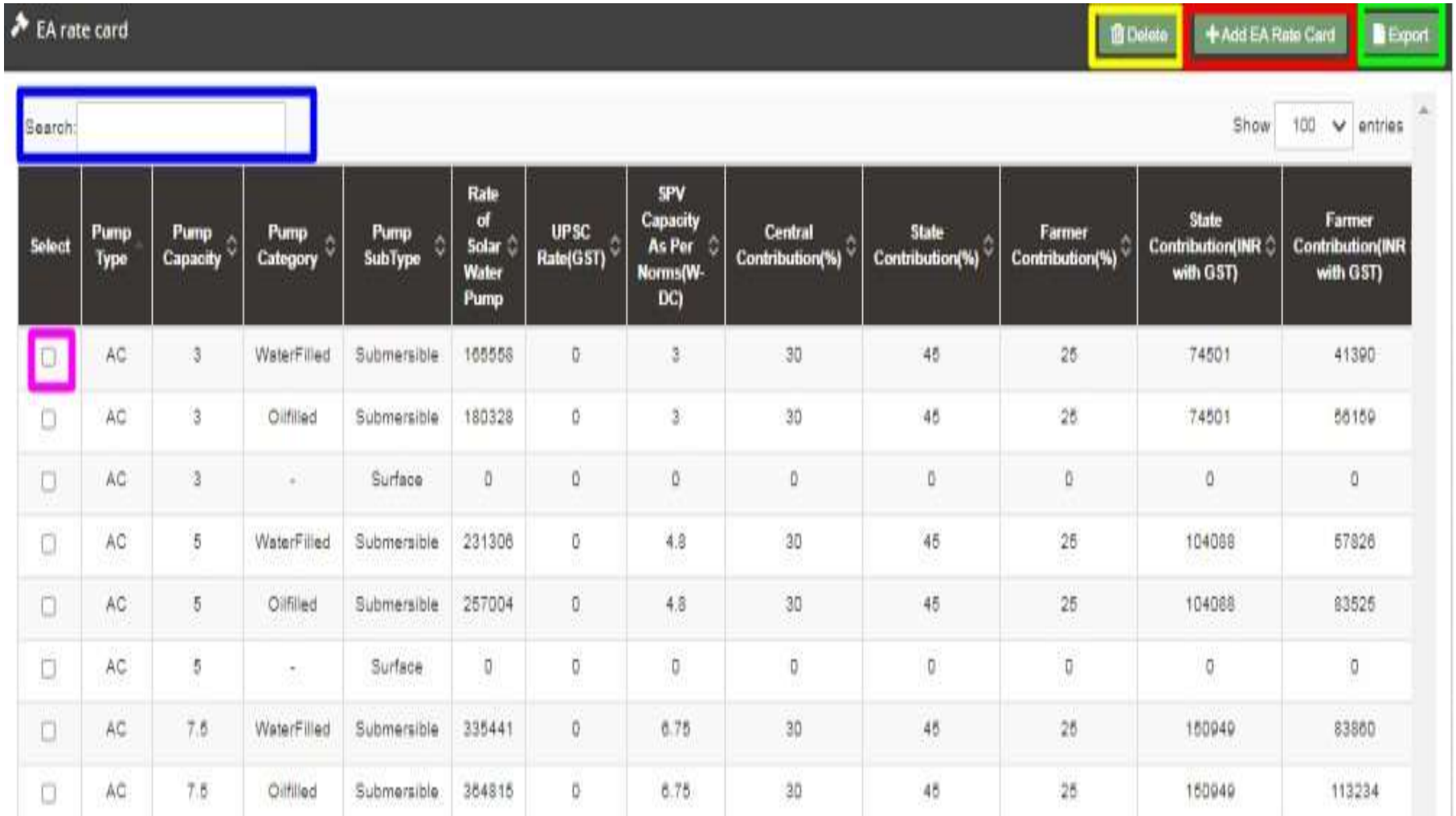


Figure 42 EA RATE CARD TAB



Select	Pump Type	Pump Capacity	Pump Category	Pump SubType	Rate of Solar Water Pump	UPSC Rate(GST)	SPV Capacity As Per Norms(W-DC)	Central Contribution(%)	State Contribution(%)	Farmer Contribution(%)	State Contribution(INR with GST)	Farmer Contribution(INR with GST)
☐	AC	3	WaterFilled	Submersible	165556	0	3	30	45	25	74501	41390
☐	AC	3	Oilfilled	Submersible	180328	0	3	30	45	25	74501	56159
☐	AC	3	-	Surface	0	0	0	0	0	0	0	0
☐	AC	5	WaterFilled	Submersible	231306	0	4.8	30	45	25	104068	57926
☐	AC	5	Oilfilled	Submersible	257004	0	4.8	30	45	25	104068	83526
☐	AC	5	-	Surface	0	0	0	0	0	0	0	0
☐	AC	7.5	WaterFilled	Submersible	335441	0	6.75	30	45	25	150949	83860
☐	AC	7.5	Oilfilled	Submersible	364815	0	6.75	30	45	25	150949	113234

Figure 43 EA RATE CARD DASHBOARD

Table 13 EA RATE CARD DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search EA Rate Card	Blue	Text Box	Enter input to explore EA Rate Card details

Delete	Delete EA Rate Card	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete EA Rate Card details

Add EA Rate Card	Add new EA Rate Card	Red	Button	Register new EA Rate Card by clicking on Add EA Rate Card Sub Location button
Export	CSV file for EA Rate Card details	Green	Button	Download CSV file of EA Rate Card details

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Pump Typ	Pump Cap	Pump Cat	Pump Sub	Rate of So	UPSC Rate	SPV Capac	Central Cc	State Con	Farmer Cc	State Con	Farmer Cc	Central Contribution(INR with GST)			
2	AC	3	WaterFille	Submersil	165558	0	3	30	45	25	74501	41390	49668			
3	AC	3	Oilfilled	Submersil	180328	0	3	30	45	25	74501	56159	49668			
4	AC	3	-	Surface	0	0	0	0	0	0	0	0	0			
5	AC	5	WaterFille	Submersil	231306	0	4.8	30	45	25	104088	57826	69392			
6	AC	5	Oilfilled	Submersil	257004	0	4.8	30	45	25	104088	83525	69392			
7	AC	5	-	Surface	0	0	0	0	0	0	0	0	0			
8	AC	7.5	WaterFille	Submersil	335441	0	6.75	30	45	25	150949	83860	100632			
9	AC	7.5	Oilfilled	Submersil	364815	0	6.75	30	45	25	150949	113234	100632			
10	AC	7.5	-	Surface	0	0	0	0	0	0	0	0	0			
11	AC	10	WaterFille	Submersil	439956	0	9	30	45	25	229335	109989	100632			
12	AC	10	Oilfilled	Submersil	454967	0	9	30	45	25	229335	124999	100632			
13	AC	10	-	Surface	0	0	0	0	0	0	0	0	0			
14	DC	3	WaterFille	Submersil	169370	0	3	30	45	25	76216	42342	50811			
15	DC	3	Oilfilled	Submersil	181773	0	3	30	45	25	76216	54745	50811			
16	DC	3	-	Surface	163116	0	2.7	30	45	25	73402	40779	48935			
17	DC	5	WaterFille	Submersil	237961	0	4.8	30	45	25	107082	59490	71388			
18	DC	5	Oilfilled	Submersil	258082	0	4.8	30	45	25	107082	79612	71388			
19	DC	5	-	Surface	0	0	0	0	0	0	0	0	0			
20	DC	7.5	WaterFille	Submersil	352207	0	6.75	30	45	25	158493	88052	105662			
21	DC	7.5	Oilfilled	Submersil	364815	0	6.75	30	45	25	158493	100660	105662			
22	DC	7.5	-	Surface	0	0	0	0	0	0	0	0	0			
23	DC	10	WaterFille	Submersil	439956	0	9	30	45	25	224305	109989	105662			
24	DC	10	Oilfilled	Submersil	460265	0	9	30	45	25	224305	130298	105662			

Figure 44 CSV OF EA RATE CARD DETAILS FIGURE

- User can add new EA Rate Card by clicking on “Add EA Rate Card” button. (highlighted in red in Figure 40)

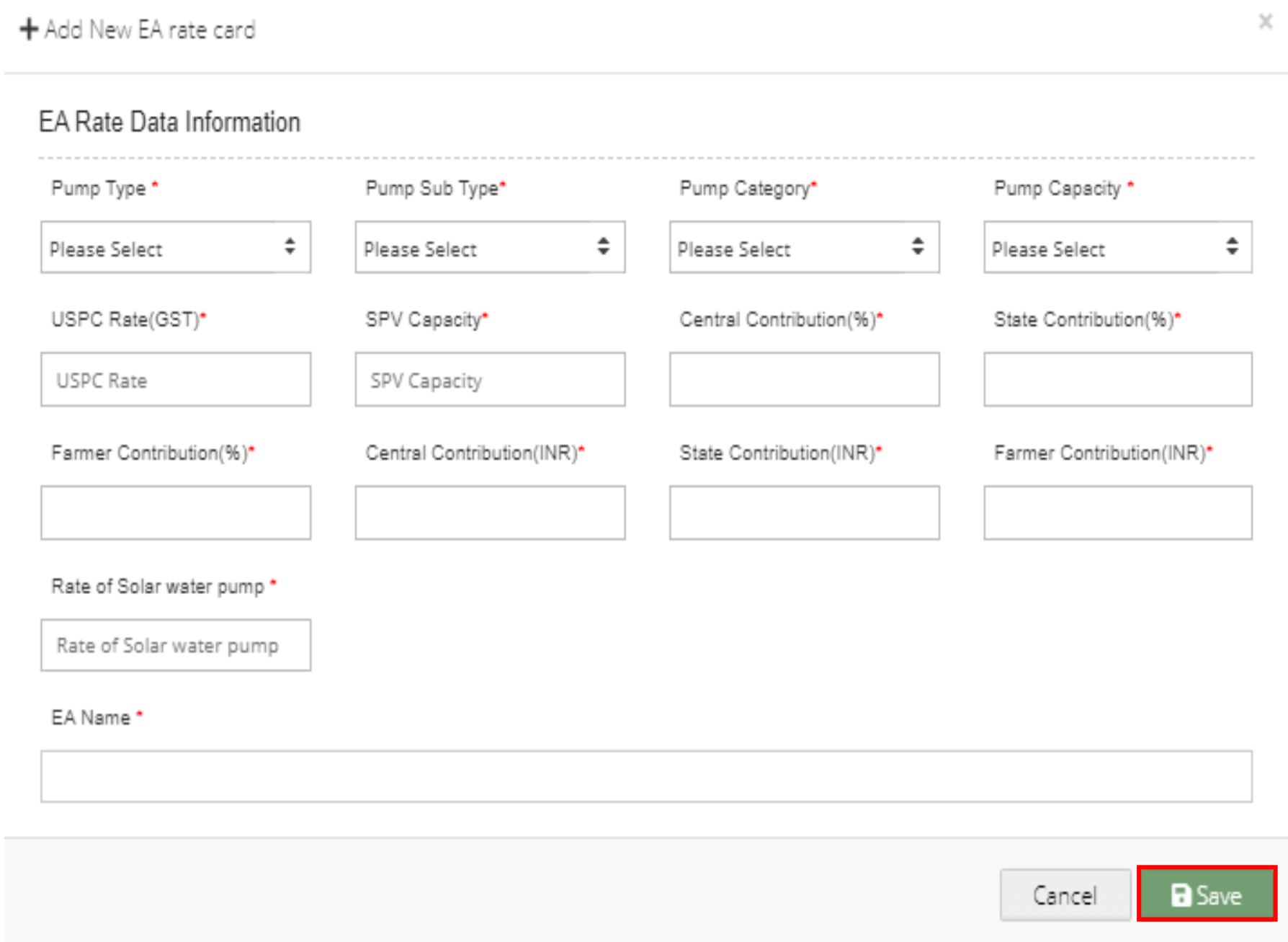


Figure 45 NEW EA RATE CARD DETAILS

Table 17 EA RATE CARD REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Pump Type	Text	- AC - DC	✓	AC	Selection of the Pump Type
Pump Sub Type	Drop Down	- Submersible - Surface	✓	Submersible	Selection of the Pump Sub Type
Pump Category	Drop Down	- Oil Filled - Water Filled	✓	Water Filled	Selection of the Pump Category
Pump Capacity	Drop Down	- 1 HP - 2 HP - 3 HP - 5 HP - 7.5 HP - 10 HP	✓	5 HP	Selection of the Pump Capacity
USPC Rate (GST)	Numerical	-	✓	0	-
SPV Capacity	Numerical	-	✓	3	-
Central Contribution (%)	Numerical	-	✓	30	-
State Contribution (%)	Numerical	-	✓	45	-
Farmer Contribution (%)	Numerical	-	✓	25	-
Central Contribution (INR)	Numerical	-	✓	49668	-

State Contribution (INR)	Numerical	**-**	✓	74501	**-**
Farmer Contribution (INR)	Numerical	**-**	✓	41930	**-**
Rate of Solar Water Pump	Numerical	**-**	✓	16558	**-**
EA Name	Drop Down	- Sai Babuji Project Pvt. Ltd. - Gautam Solar Pvt. Ltd. - CRI Pumps Pvt. Ltd. - Shakti Pumps Ltd. - Solex Energy Ltd. - Junna Solar System Pvt. Ltd.	✓	Sai Babuji Project Pvt. Ltd	Selection of the relevant Empanelled Agency

- After filling all the details, user has to click on the “Save” button (highlighted in red in above Figure 42) to register New EA Rate Card.

11.3. REGISTRATION OF EA STORE SUB LOCATION

- EA Store Sub Location is the location of the Empanelled Agency where the assets are inspected and stored.
- Super Admin can register EA Store Sub Location Details by clicking on “EA Store Sub Location” tab as pointed in below Figure 43.
- SIA with Super Admin credentials needs to be collect the store location details from Empanelled agencies and then register the store sub-location details here.

- Navigation Step :-
  1. Sign in on the State SEDM Portal
  2. Click on the Setting Module
  3. Click on EA Store Sub Location Tab



Figure 46 EA STORE SUB LOCATION TAB

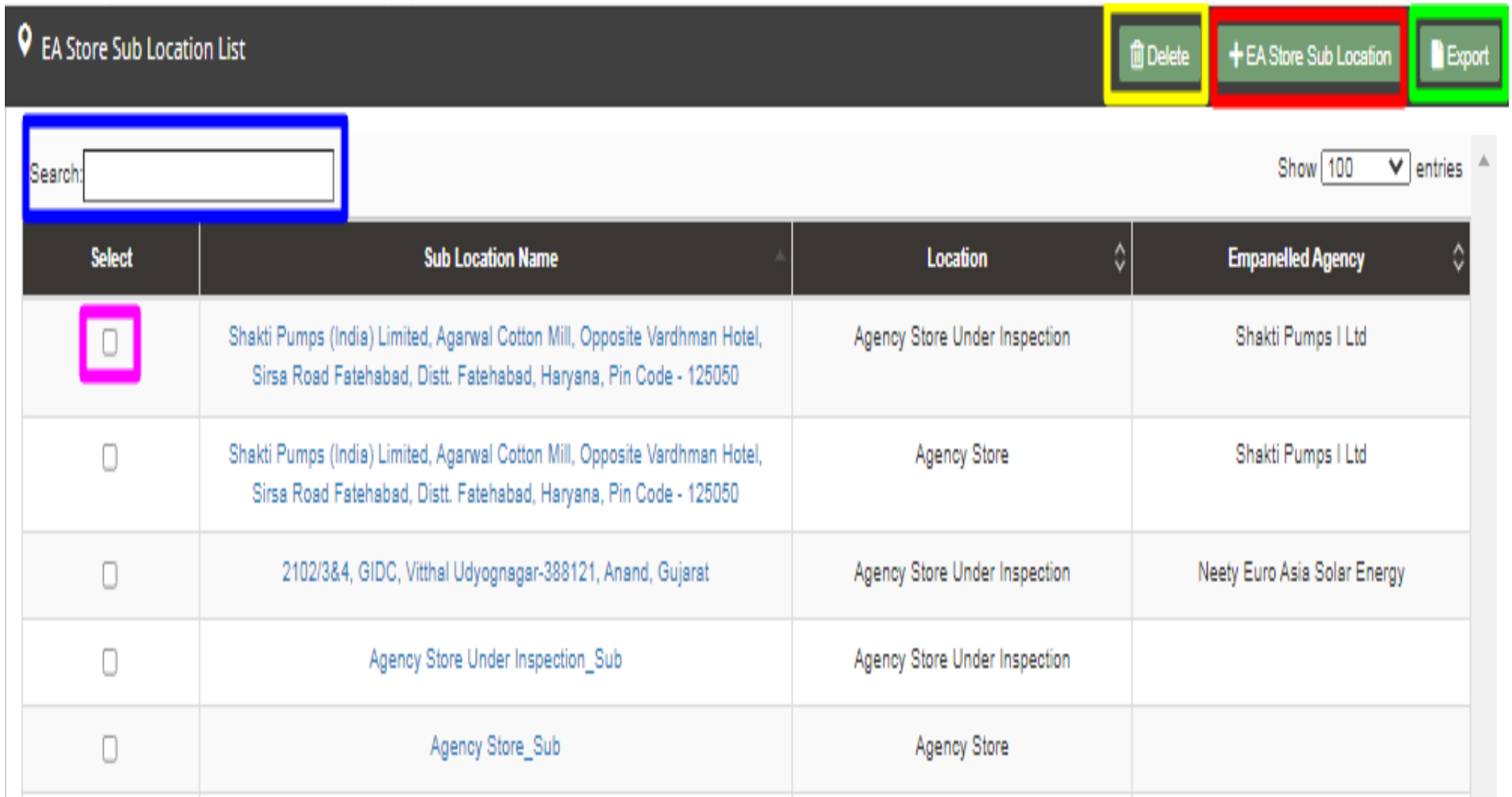


Figure 47 EA STORE SUB LOCATION DASHBOARD

Table 14 EA STORE SUB LOCATION DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search EA Store Sub Location	Blue	Text Box	Enter input to explore EA Store Sub Location details

Delete	Delete EA Store Sub Location	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete EA Store Sub Location details
Add EA Store Sub Location	Register new EA Store Sub Location	Red	Button	Register new EA Store Sub Location by clicking on Add EA Store Sub Location button
Export	CSV file for EA Store Sub Location details	Green	Button	Download CSV file of EA Store Sub Location details

	A	B	C
1	Sub Location Name	Location	Empanelled Agency
2	Shakti Pumps (India) Limited, Agarwal (	Agency Store Under Inspection	Shakti Pumps I Ltd
3	Shakti Pumps (India) Limited, Agarwal (	Agency Store	Shakti Pumps I Ltd
4	2102/3&4, GIDC, Vitthal Udyognagar-38	Agency Store Under Inspection	Neety Euro Asia Solar Energy
5	Agency Store Under Inspection_Sub	Agency Store Under Inspection	
6	Agency Store_Sub	Agency Store	
7	Amar Flour Mills Pvt. Ltd Industrial Area	Agency Store Under Inspection	VRG ENERGY INDIA PVT LTD
8	Amar Flour Mills Pvt. Ltd Industrial Area	Agency Store	VRG ENERGY INDIA PVT LTD
9	Berli Khurd(93),Musepur,Rewari,Hariya	Agency Store Under Inspection	Sai Babuji Projects
10	Berli Khurd(93),Musepur,Rewari,Hariya	Agency Store	Sai Babuji Projects
11	C/O Padam Sen Gupta , Madanpur Nati	Agency Store Under Inspection	Tata Power Solar Systems Limited
12	Chautala,Sirsa,Hisar	Agency Store Under Inspection	Rajasthan Electronics And Instruments Limited
13	Chautala,Sirsa/Talwandi,Rooka,Hisar	Agency Store Under Inspection	Rajasthan Electronics And Instruments Limited
14	Chautala,Sirsa/Talwandi,Rooka,Hisar/R	Agency Store Under Inspection	Rajasthan Electronics And Instruments Limited
15	Customer Lab1_Sub	Customer Lab1	
16	Customer Store_Sub	Customer Store	
17	Dhani DandeWali, Village â€“ burj Muh	Agency Store Under Inspection	Solex energy limited
18	E-153, Sector-26, GIDC, Electronic Estat	Agency Store Under Inspection	Neety Euro Asia Solar Energy
19	Fatehabad (Haryana)	Agency Store Under Inspection	Rotomag Motor and Controls Pvt Ltd
20	Field Service Engineer_Sub	Field Service Engineer	
21	Gurgaon (Haryana)	Agency Store Under Inspection	Rotomag Motor and Controls Pvt Ltd
22	Haibatpur(78),Nirjan, Jind,Haryana-126	Agency Store Under Inspection	Sai Babuji Projects
23	Hansi	Agency Store Under Inspection	Ethos Power
24	Hansi	Agency Store	Ethos Power
25	Haryana Warehouse	Agency Store Under Inspection	Solex energy limited

Figure 48 CSV OF EA STORE SUB LOCATION DETAILS

- User can register new EA Store Sub Location by clicking on “Add EA Store Sub Location” button. (highlighted in red in Figure 44)

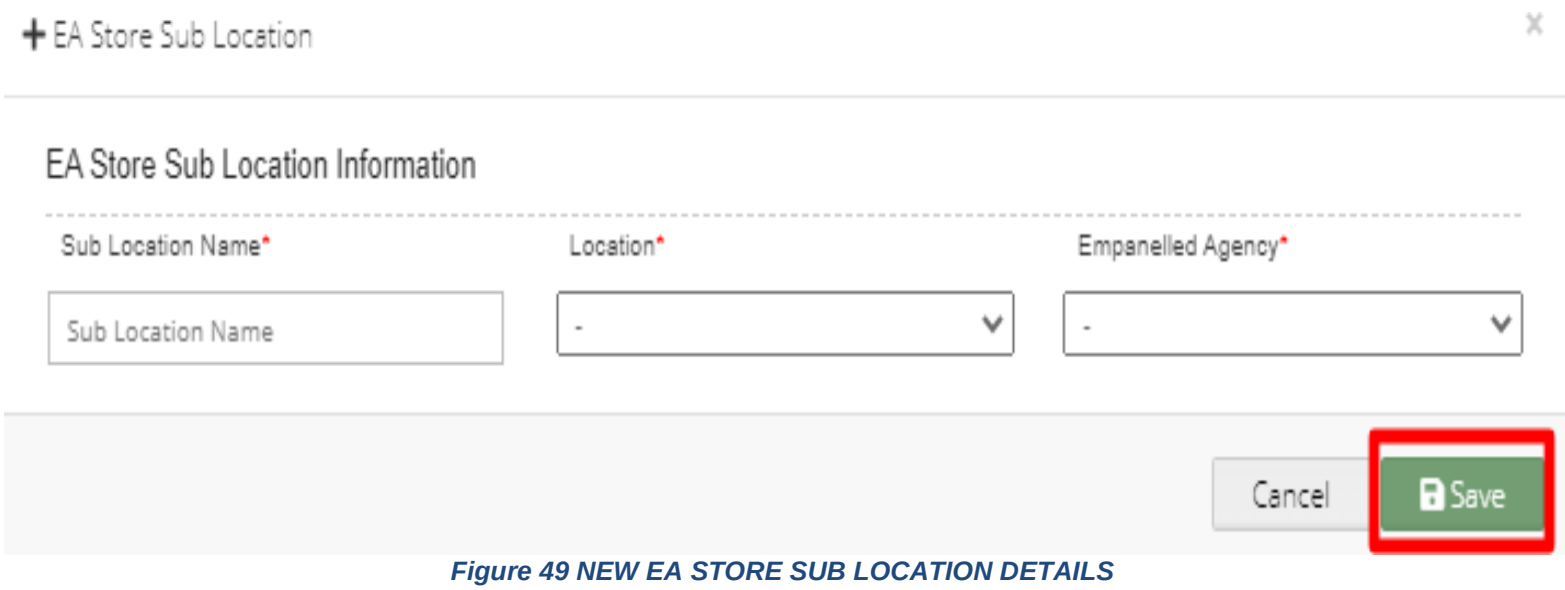


Figure 49 NEW EA STORE SUB LOCATION DETAILS

Table 15 EA STORE SUB LOCATION REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Sub Location Name	Text	**-**	✓	Agency Store Sub	**-**
Location	Drop Down	- Field Service Engineer - Agency Store Under Inspection - Agency Store - Manufacturer Store - Manufacturer Service	✓	Agency Store Under Inspection	Selection of relevant Location
Empanelled Agency	Drop Down	- Sai Babuji Project Pvt. Ltd. - Gautam Solar Pvt. Ltd. - CRI Pumps Pvt. Ltd. - Shakti Pumps Ltd. - Solex Energy Ltd. - Junna Solar System Pvt. Ltd.	✓	Gautam Solar Pvt. Ltd.	Selection of relevant Empanelled Agency

- After filling all the details, user has to click on the “Save” button (highlighted in red in above Figure 46) to register New EA Store Sub Location.

11.1 REGISTRATION OF MANUFACTURER DETAILS

- Super Admin can register Manufacturer Details by clicking on “Manufacturer” tab as pointed in below Figure 47.
- Manufacturer registration serves the purpose as the manufacturer of the assets i.e. Solar Pump, Solar Panel, Pump Controller, Structure, RMS, etc.
- Manufacturer need to be added while creation of Asset Test Report along with the product details which will be further used in Lot creation. (click **here** to know more)

➢ Navigation Step :-

1. Sign in on the State SEDM Portal
2. Click on the Setting Module
3. Click on Manufacturer Tab



Figure 50 MANUFACTURER TAB

Manufacturer List

Delete | + Add Manufacturer | Export

Search:

Select	Manufacturer Name	Empanelled Agency	Address	City	State	District	Asset Type	Contact Person	Phone	G
☐	Icon Solar-En Power Technologies Pvt. Ltd	Solex energy limited	Village – Dighari, Mandir Hasaud, Tehsil – Arang – 493441, Raipur, Chhattisgarh, India	Raipur	CHHATTISGARH	RAIPUR	Solar Panel	Sandeep Bhalla	9814375861	22AAC
☐	Aditya Traders	VRG ENERGY INDIA PVT LTD	Gazhiabad Utterpradesh	Gazhiabad	UTTAR PRADESH	GHAZIABAD	Structure	Mr. Sunil Mishra	7046047477	24AAD
☐	BHEIL	Rajasthan Electronics And Instruments Limited	2, Kanakpura Ind. Area, Sirsi Road, Jaipur-302012, Rajasthan	Jaipur	RAJASTHAN	JAIPUR	Solar Panel	Sanjay Charan	7727011729	08AAB
☐	ECOZEN	Premier Solar System Pvt Ltd	PLOT NO.13, PHASE-I, INDUSTRIAL AREA, Panchkula, Haryana, 134118	Panchkula	HARYANA	PANCHKULA	Pump	Madhavi	9876491000	06AAB
☐	ECOZEN	Premier Solar System Pvt Ltd	PLOT NO.13, PHASE-I, INDUSTRIAL AREA, Panchkula, Haryana, 134118	Panchkula	HARYANA	PANCHKULA	Pump Controller with RMS	Madhavi	9876491000	06AAB

Figure 51 MANUFACTURER TAB DASHBOARD

Table 16 MANUFACTURER DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search Manufacturer	Blue	Text Box	Enter input to explore Manufacturer details
Delete	Delete Manufacturer	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete Manufacturer details
Add Manufacturer	Register new Manufacturer	Red	Button	Register new Manufacturer by clicking on Add Manufacturer button
Export	CSV file for Manufacturer details	Green	Button	Download CSV file of Manufacturer details

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Manufacturer Name	Empanelled Agency	Address	City	State	District	Asset Type	Contact Perso	Phone	GST No.	Manufacturing Part	Manufacturing Capacity (Mont		
2	Icon Solar-En Power	Solex energy limitec	Village â€“ Digh	Raipur	CHHATTIS	RAIPUR	Solar Panel	Sandeep Bhall	9814375861	22AADCI5	Solar Panel	1000		
3	Aditya Traders	VRG ENERGY INDIA P	Gazhiabad Utte	Gazhiabad	UTTAR PR/	GHAZIABA	Structure	Mr. Sunil Mish	7046047477	24AADCV:	Meter	500 Set		
4	BHEIL	Rajasthan Electronic:	2, Kanakpura In	Jaipur	RAJASTHA	JAIPUR	Solar Panel	Sanjay Charan	7727011729	08AABCR1	Solar Panel	1000		
5	ECOZEN	Premier Solar Systen	PLOT NO.13, PH	Panchkula	HARYANA	PANCHKU	Pump	Madhavi	9676491000	06AABCP8	Pump	1000		
6	ECOZEN	Premier Solar Systen	PLOT NO.13, PH	Panchkula	HARYANA	PANCHKU	Pump Controlle	Madhavi	9676491000	06AABCP8	Pump Controller	1000		
7	Ecozen Solutions Pvt	Ecozen Solutions Pri	Survey No. 134/	Pune	MAHARAS	PUNE	Pump	Prateek Singh	9975079419	27AACCE5	Pump	3000		
8	Ecozen Solutions Pvt	Ecozen Solutions Pri	Survey No. 134/	Pune	MAHARAS	PUNE	Pump Controlle	Prateek Singh	9975079419	27AACCE5	Pump Controller	3000		
9	Ethos Power Pvt. Ltd	Ethos Power	121-123, DLF Sta	Gurgaon	HARYANA	GURUGRA	Pump	Kuldeep Pancl	7697905171	06AACCE9	Pump	3000		
10	Ethos Power Pvt. Ltd	Ethos Power	121-123, DLF Sta	Gurgaon	HARYANA	GURUGRA	Pump Controlle	Kuldeep Pancl	7697905171	06AACCE9	Pump Controller	3000		
11	Gautam Solar	Gautam Solar	Plot No. 114-11!	Haridwar	UTTARAKI	HARIDWA	Pump	SUSHIL	9990399849	05AAFCG5	Pump	1000		
12	Gautam Solar	Gautam Solar	Plot No. 114-11!	Haridwar	UTTARAKI	HARIDWA	Pump Controlle	SUSHIL	9990399849	05AAFCG5	Pump Controller	1000		
13	Gautam Solar	Gautam Solar	Plot No. 114-11!	Haridwar	UTTARAKI	HARIDWA	Solar Panel	SUSHIL	9990399849	05AAFCG5	Solar Panel	10 MW		
14	Gautam Solar	Gautam Solar	Plot No. 114-11!	Haridwar	UTTARAKI	HARIDWA	Pump Controlle	SUSHIL	9990399849	05AAFCG5	RMS	1000		
15	Gautam Solar	Gautam Solar	Plot No. 114-11!	Haridwar	UTTARAKI	HARIDWA	Structure	SUSHIL	9990399849	05AAFCG5	Meter	1000		
16	Gautam Solar	Gautam Solar	Gautam Solar	Ambala	HARYANA	AMBALA	Structure	Sushil Yadav	7827170003	24AAACT4	Meter	1000		
17	Himalayan Solar	Sai Babuji Projects	Plot No 237,HSI	Panchkula	HARYANA	PANCHKU	Solar Panel	Mr Vikas	9466749101	06AADCH(	Solar Panel	4.16MW		
18	Himalayan Solar Pvt I	Ethos Power	121-123, DLF Sta	Gurgaon	HARYANA	GURUGRA	Solar Panel	Kuldeep Pancl	7697905171	06AACCE9	Solar Panel	1000		
19	Icon Solar	VRG ENERGY INDIA P	Raipur	Raipur	CHHATTIS	RAIPUR	Solar Panel	Mr. Sunil Mish	7046047477	24AADCV:	Solar Panel	10 MW		
20	Icon Solar-En Power	Ethos Power	121-123, DLF Sta	Gurgaon	HARYANA	GURUGRA	Solar Panel	Kuldeep Pancl	7697905171	06AACCE9	Solar Panel	1000		
21	Icon Solar-En Power	Ecozen Solutions Pri	Survey No. 134/	Pune	MAHARAS	PUNE	Solar Panel	Mr Rohit	8669998938	0AA7897B	Meter	1000		
22	ICON Solar-En Power	Rotomag Motor and	2102/03&4, GID	Anand	GUJARAT	ANAND	Solar Panel	Mr. Raghav Ag	9871077220	06AAACR:	Solar Panel	1000		
23	Icon Solar-En Power	Neety Euro Asia Sola	Raipur,Chhattis	Raipur	CHHATTIS	RAIPUR	Solar Panel	Sandeep Bhall	9814375861	24AAACR:	Solar Panel	325		
24	Insolation Energy Pv	Shakti Pumps I Ltd	M/s Shakti Pum	Pithampur	MADHYA I	DHAR	Solar Panel	Mr. Sandeep F	7389916073	06AAECS5	Solar Panel	1000		
25	M/s Ecozen Solution:	Ethos Power	121-123, DLF Sta	Gurgaon	HARYANA	GURUGRA	Pump Controlle	Kuldeep Pancl	7697905171	06AACCE9	Meter	3000		

Figure 52 CSV OF MANUFACTURER DETAILS

- User can register new Manufacturer by clicking on “Add Manufacturer” button. (highlighted in red in Figure 48)

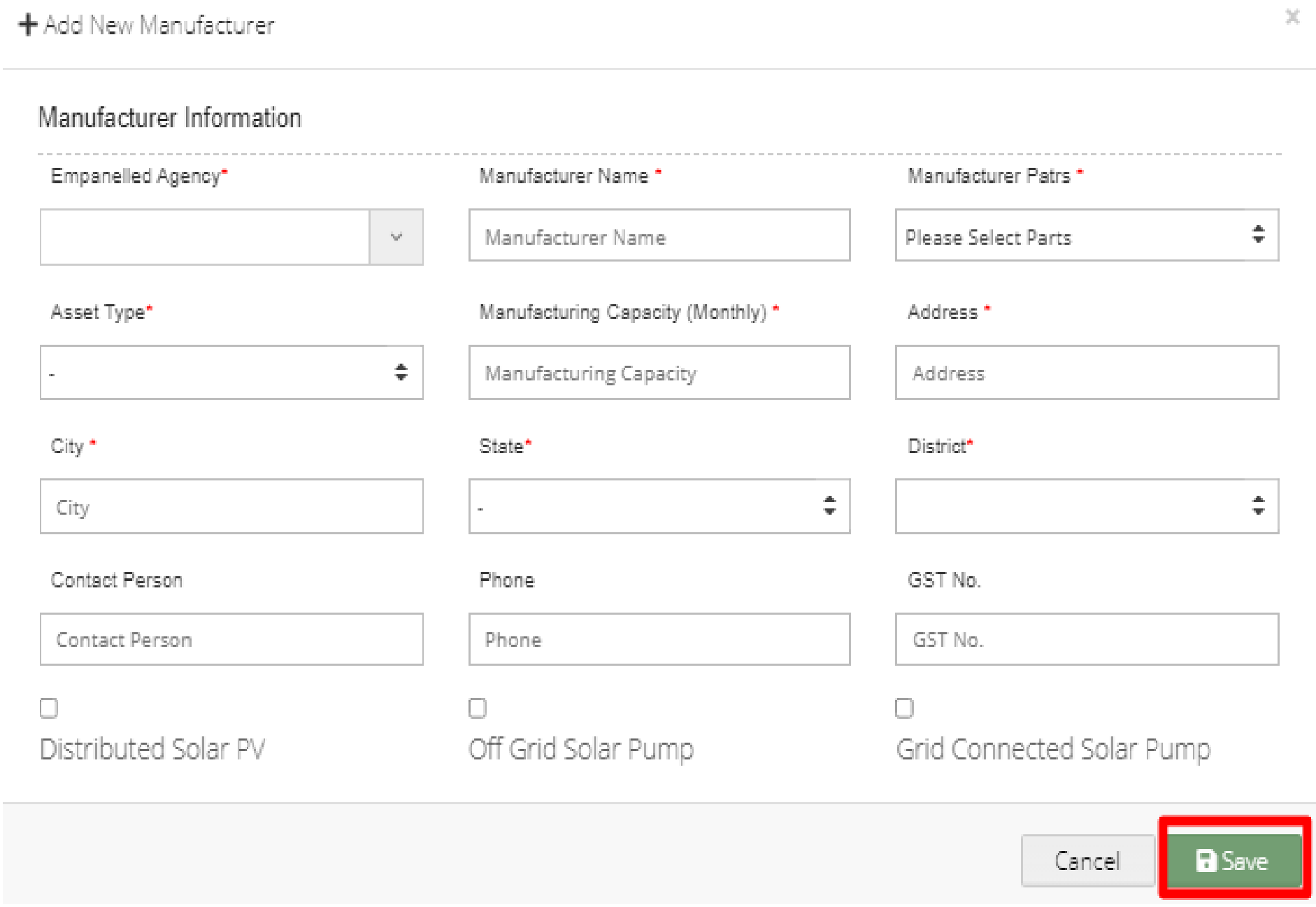


Figure 53 NEW MANUFACTURER DETAILS

Table 17 MANUFACTURER REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description	Validations
Empanelled Agency	Drop Down	- Sri savitr Solar Pvt. Ltd. - Junna Solar System Pvt. Ltd.	✓	Junna Solar System Pvt. Ltd..	Selection of relevant Empanelled Agency	**-**
Manufacturer name	Text	- Sri savitr Solar Pvt. Ltd. - Junna Solar System Pvt. Ltd.	✓	✓ Sri savitr Solar Pvt. Ltd. .	**-**	**-**
Manufacturer Parts	Drop Down	- Solar Panel - Inverter - Pump Controller - Pump - RMS - Meter	✓	Solar Panel	Selection of the manufacturer parts of the assets	**-**
Asset Type	Drop Down	- Pump - Solar Panel - Pump Controller with RMS - Structure	✓	Solar Panel	Selection of relevant asset type that the manufacturer is manufacturing.	**-**
Manufacturer Capacity (Monthly)	Numerical	**-**	✓	320	**-**	**-**

Address	Text	**-**	✓	Plot No. 34/1, Survey No. 374, CIE Phase II, Gandhinagar	**-**	**-**
City	Text	**-**	✓	AGRA	**-**	**-**
State	Drop Down	- STATE - GUJARAT - UTTAR PRADESH - TRIPURA - UTTAR PRADESH	✓	UTTAR PRADESH	Selection of the relevant State from where the manufacture belong from	**-**
District	Drop Down	- AGRA - ALIGARH - AMBEDAKAR - NAGAR - AMETHI - AMAROHA - AURAIYA - AYODHYA - AZAMGARH - BAGHPAT - BAHRAICH - BALLIA - UTTAR PRADESH - BANDA - BARABANKI - BAREILLI - BASTI - BHADOHI - BIJNOR	✓	UTTAR PRADESH	Selection of the relevant district from where the manufacture belong from	**-**
Contact Person	Text	**-**	✓	Mr.Sudhir Kant Gir	**-**	**-**
Phone	Numerical	**-**	✓	9949033677	**-**	- Must be of 10 digits only

GST No.	Text	**-**	✓	36AAQCS0838P4Z7	**-**	- It must be of 15 digits only - First two digits should be the state code - Next ten digits should be the PAN number of the person or business entity - The thirteenth is alpha-numeric digit (1-9 or A-Z) - The fourteenth digit will be the alphabet “Z” by default - The last digit should be any number (1-9)
Component	Radio Button	- Distributed Solar PV (A) - Off Grid Solar Pump (B) - Grid Connected Solar Pump (C FLS)	✓	Grid Connected Solar Pump (C FLS)	**-**	**-**

- After filling all the details, user has to click on the “Save” button (highlighted in red in above Figure 50) to register New Manufacturer.

11.2 REGISTRATION OF PRODUCT DETAILS

- Product details corresponding to Manufacturer and Empanelled Agency need to be added while creation of Asset Test Report which will be further added in Lot creation. (click **here** to know more)
- Super Admin can register new Product Details by clicking on “Product” tab as pointed in below Figure 51.

➢ Navigation Step :-

1. Sign in on the State SEDM Portal
2. Click on the Setting Module
3. Click on Product Tab



Figure 54 PRODUCT TAB

Product List

Delete | + Add Product | Export

Search:

Show 100 entries

Select	Model No	Manufacturer	Empanelled Agency	AssetType	IsMakeInIndia
☐	ISEN335	ICON Solar-En Power Technologies Pvt. Ltd.	Rotomag Motor and Controls Pvt Ltd	Solar Panel	Yes
☐	SBPL/10HP DC	M/s Sai Babuji Project Pvt	Sai Babuji Projects	Pump Controller with RMS	Yes
☐	300 W72	Rajasthan Electronics And Instruments Limited	Rajasthan Electronics And Instruments Limited	Solar Panel	Yes
☐	4800024837	Shakti Pumps	Rajasthan Electronics And Instruments Limited	Structure	Yes
☐	9 & 10 Module Mounting Structure along with hardware	MAN	Tata Power Solar Systems Limited	Structure	Yes
☐	9 & 10 Module Mounting Structure along with hardware	Raydean	Tata Power Solar Systems Limited	Structure	Yes
☐	9000-100-8.5 AC	Oswal Pumps Ltd	Tata Power Solar Systems Limited	Pump	Yes
☐	9500000878 SOLAR 97.5 DCSSP 9000 #10 HP, 20 Mtr.	Shakti Pumps	Rajasthan Electronics And Instruments Limited	Pump	Yes
☐	9500000878 SOLAR 97.5 DCSSP 9000 #10 HP, 20 Mtr.	Shakti Pumps	Rajasthan Electronics And Instruments Limited	Pump Controller with RMS	Yes

Figure 55 PRODUCT TAB DASHBOARD

Table 18 PRODUCT DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search Product	Blue	Text Box	Enter input to explore Product details
Delete	Delete Product	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete Product details
Add Product	Register new Product	Red	Button	Register new Product by clicking on Add Product button
Export	CSV file for Product details	Green	Button	Download CSV file of Product details

	A	B	C	D	E
1	Model No	Manufacturer	Empanelled Agency	AssetType	IsMakeInIndia
2	ISEN335	ICON Solar-En Power Technologies I	Rotomag Motor and Controls Pvt Ltd	Solar Panel	Yes
3	SBPL/10HP DC	M/s Sai Babuji Project Pvt	Sai Babuji Projects	Pump Controller with RMS	Yes
4	300 W72	Rajasthan Electronics And Instrumer	Rajasthan Electronics And Instrumer	Solar Panel	Yes
5	4800024837	Shakti Pumps	Rajasthan Electronics And Instrumer	Structure	Yes
6	9 & 10 Module Mounting Structure a	MAN	Tata Power Solar Systems Limited	Structure	Yes
7	9 & 10 Module Mounting Structure a	Raydean	Tata Power Solar Systems Limited	Structure	Yes
8	9000-100-8.5 AC	Oswal Pumps Ltd	Tata Power Solar Systems Limited	Pump	Yes
9	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
10	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
11	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
12	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
13	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
14	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
15	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
16	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
17	AC/DC	VER Energy India Pvt Ltd	VRG ENERGY INDIA PVT LTD	Pump Controller with RMS	Yes
18	ASP-7-340	Mundra Solar PV Limited	Shakti Pumps I Ltd	Solar Panel	Yes
19	ATHARVA ISEN 320WP	Icon Solar-En Power Technologies P	Ethos Power	Solar Panel	Yes
20	DCSSP 9000	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
21	DESERV 3M6-320	Renewsys India Pvt. Ltd.	Shakti Pumps I Ltd	Solar Panel	Yes
22	ECO 320 H & 325 H	PV Power Tech. Pvt. Ltd.	Shakti Pumps I Ltd	Solar Panel	Yes
23	ECO325H	PV Power Technologies Ltd	Tata Power Solar Systems Limited	Solar Panel	Yes
24	ECO335H	PV Power Technologies Ltd	Tata Power Solar Systems Limited	Solar Panel	Yes
25	Ecotron V4.0	Ecozen Solutions Pvt. Ltd.	Ecozen Solutions Private Limited	Pump Controller with RMS	Yes

Figure 56 CSV OF PRODUCT DETAILS

- User can register new Product by clicking on “Add Product” button. (highlighted in red in Figure 52)

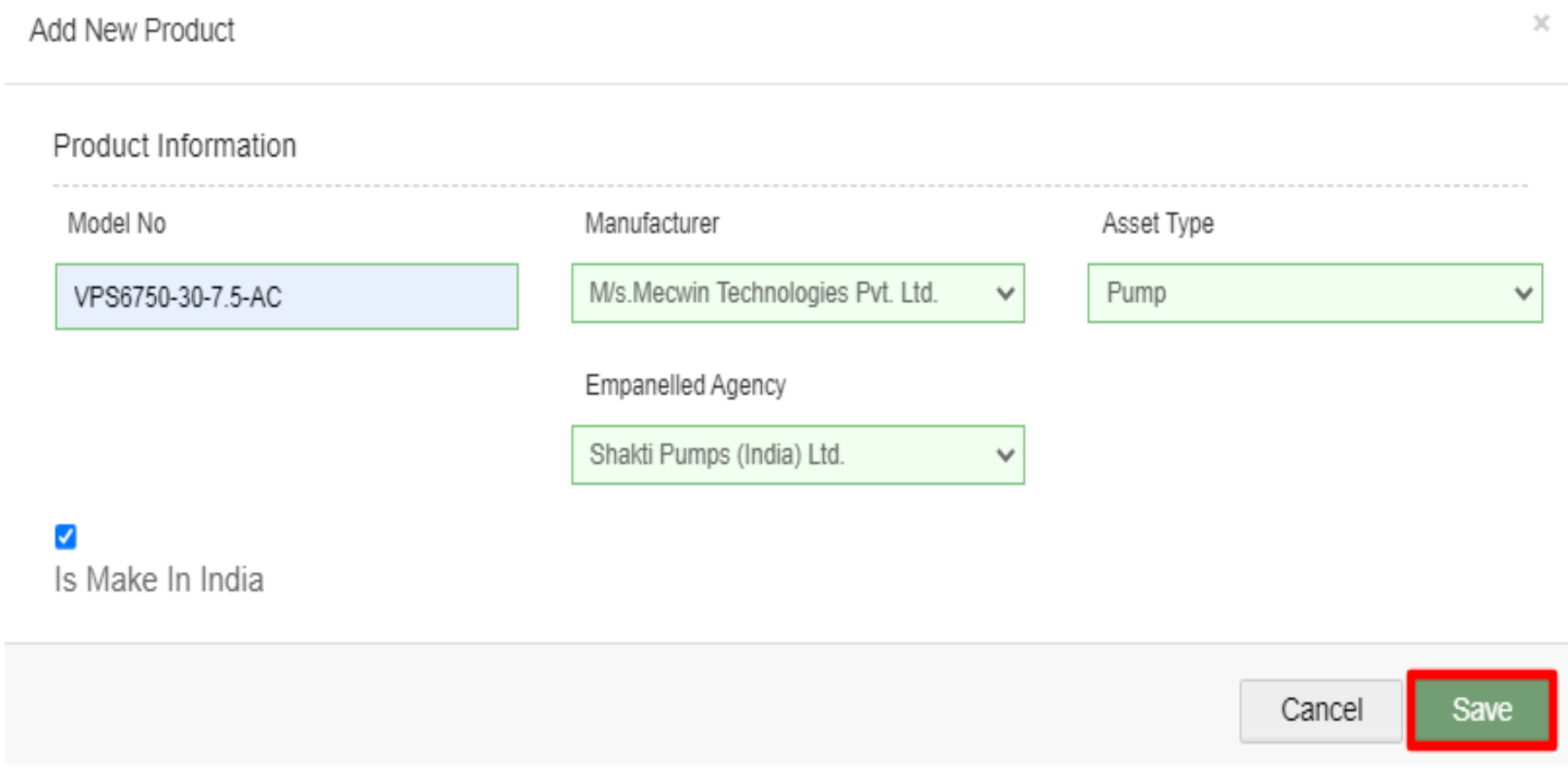


Figure 57 NEW PRODUCT DETAILS

Table 19 PRODUCT REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Model No.	Text	**-**	✓	VPS6750-30-7.5-AC	**-**
Empanelled Agency	Drop Down	- Sri Savitri Solar Pvt. Ltd - Junna Solar System Pvt. Ltd.	✓	Junna Solar System Pvt. Ltd.	Selection of relevant Empanelled Agency
Manufacturer	Drop Down	- BHEL - Ecozen Solutions Pvt LtdEthos Power Pvt. Ltd - Junna Solar Systems Pvt Ltd	✓	Junna Solar Systems Pvt Ltd	Selection of the relevant manufacturer of the product
Asset	Drop Down	- Pump - Solar Panel - Pump Controller with RMS - Structure	✓	Pump	Selection of the asset type
Is Make In India	Check Box	**-**	✓	**-**	Selecting this Check Box conveys that product is made in India

- After filling all the details, user has to click on the “Save” button (highlighted in red in above Figure 54) to register New Product.

11.3 REGISTRATION OF TENDER CHECKLIST

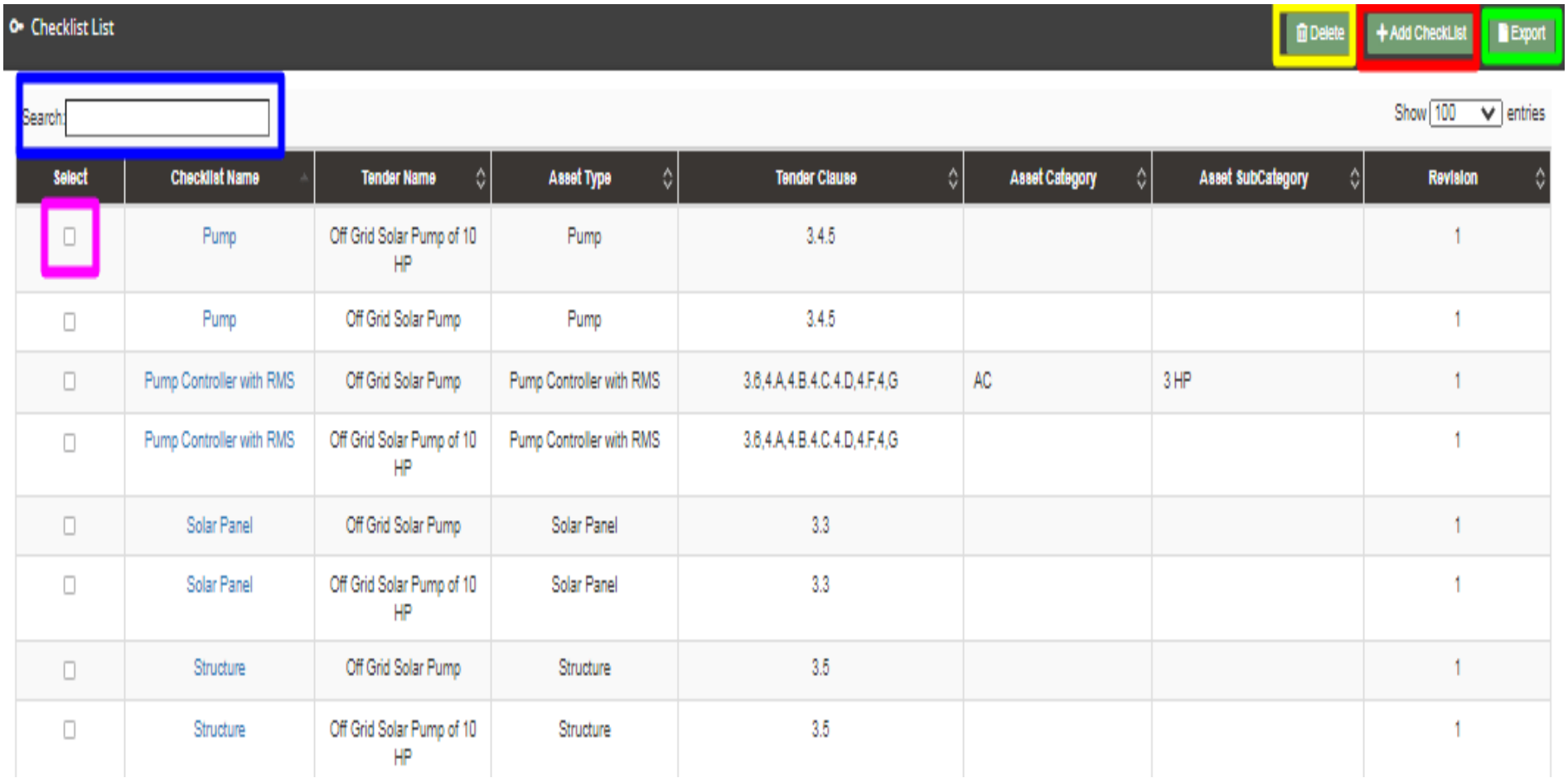
11.3.1 Tender Checklist is a template consisting of tender checklist items which acts similar to “guaranteed technical particulars (GTP)” and filled by empanelled agencies as self-declaration of compliance to tender specifications during lot creation andverified by the State Implementing Agency after the lot creation. (click **here** to know more)

11.3.2 SIA with Super Admin credentials can register new Tender Checklist by clicking on “Tender Checklist” tab as pointed inbelow Figure 55.

- Navigation Step :-
  1. Sign in on the State SEDM Portal
  2. Click on the Setting Module
  3. Click on Tender Checklist Tab



Figure 58 TENDER CHECKLIST TAB



Select	Checklist Name	Tender Name	Asset Type	Tender Clause	Asset Category	Asset SubCategory	Revision
☐	Pump	Off Grid Solar Pump of 10 HP	Pump	3.4.5			1
☐	Pump	Off Grid Solar Pump	Pump	3.4.5			1
☐	Pump Controller with RMS	Off Grid Solar Pump	Pump Controller with RMS	3.6,4.A,4.B.4.C.4.D,4.F,4,G	AC	3 HP	1
☐	Pump Controller with RMS	Off Grid Solar Pump of 10 HP	Pump Controller with RMS	3.6,4.A,4.B.4.C.4.D,4.F,4,G			1
☐	Solar Panel	Off Grid Solar Pump	Solar Panel	3.3			1
☐	Solar Panel	Off Grid Solar Pump of 10 HP	Solar Panel	3.3			1
☐	Structure	Off Grid Solar Pump	Structure	3.5			1
☐	Structure	Off Grid Solar Pump of 10 HP	Structure	3.5			1

Figure 59 TENDER CHECKLIST TAB DASHBOARD

Table 20 TENDER REGISTRATION FIELDS DESCRIPTION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search Tender Checklist	Blue	Text Box	Enter input to explore Tender Checklist

Delete	Delete Tender Checklist	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete Tender Checklist
Add Checklist	Register new Tender Checklist	Red	Button	Register new Tender Checklist by clicking on Add Checklist button.
Export	CSV file for Tender Checklist	Green	Button	Download CSV file of Tender Checklist

	A	B	C	D	E	F	G	H
1	Checklist Name	Tender Name	Asset Type	Tender Clause	Asset Category	Asset SubCategory	Revision	
2	Pump	Off Grid Solar Pump of 10 HP	Pump	3.4.5			1	
3	Pump	Off Grid Solar Pump	Pump	3.4.5			1	
4	Pump Controller with RMS	Off Grid Solar Pump	Pump Controller with RMS	3.6,4.A,4.B.4.C.4.D,4.F,4,G	AC	3 HP	1	
5	Pump Controller with RMS	Off Grid Solar Pump of 10 HP	Pump Controller with RMS	3.6,4.A,4.B.4.C.4.D,4.F,4,G			1	
6	Solar Panel	Off Grid Solar Pump	Solar Panel	3.3			1	
7	Solar Panel	Off Grid Solar Pump of 10 HP	Solar Panel	3.3			1	
8	Structure	Off Grid Solar Pump	Structure	3.5			1	
9	Structure	Off Grid Solar Pump of 10 HP	Structure	3.5			1	
10								
11								
12								

Figure 60 CSV OF TENDER CHECKLIST

11.3.3 User can register new Tender Checklist by clicking on “Add Checklist” button. (highlighted in red in Figure 56)

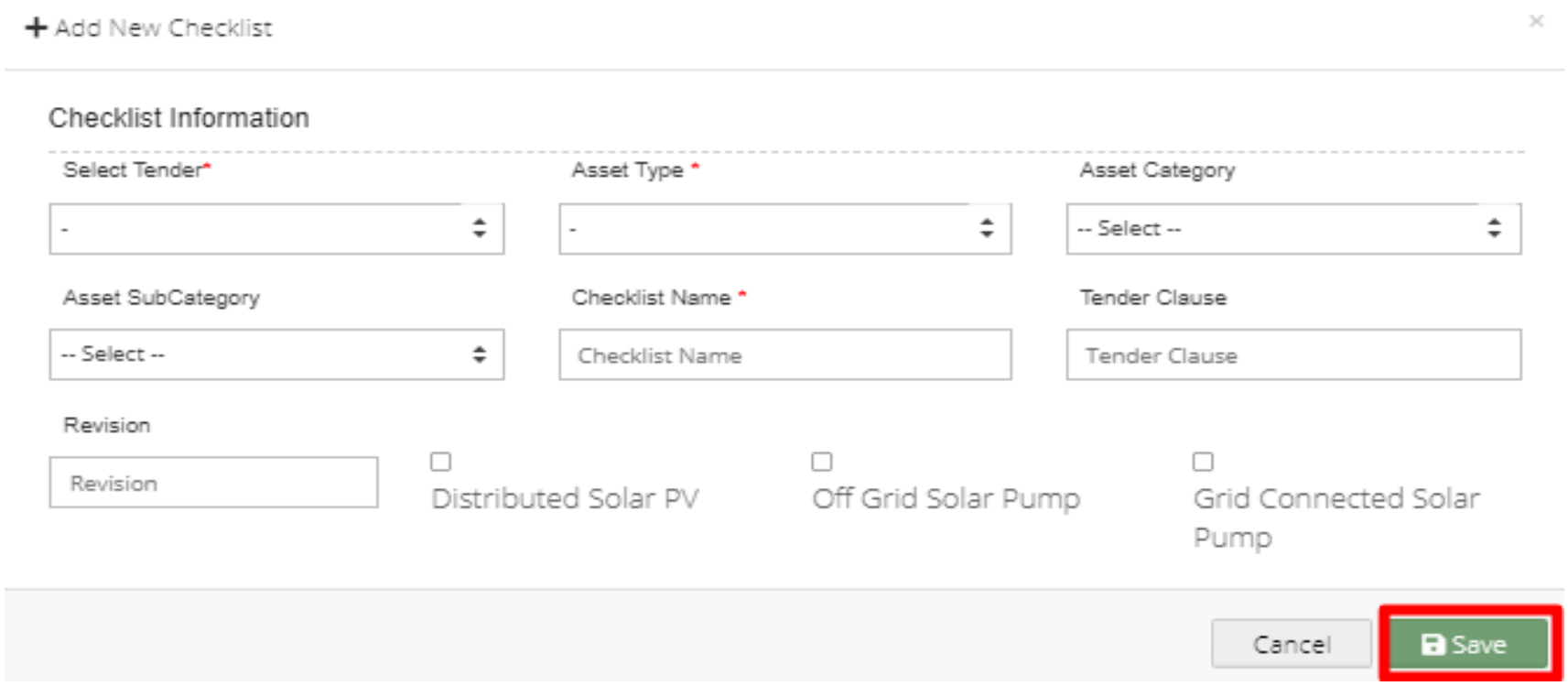


Figure 61 NEW CHECKLIST DETAILS

Table 21 TENDER CHECKLIST REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Select Tender	Drop Down	- Off Grid Solar Pump - Off Grid Solar Pump of 10 HP	✓	Off Grid Solar Pump .	Selection of relevant Tender

Asset Type	Drop Down	- Pump - Solar Panel - Pump Controller with RMS - Structure - USPC	✓	Pump	Selection of the relevant asset type
Asset Category	Drop Down	- AC - DC	✓	AC	Selection of the relevant asset category
Asset Sub Category	Drop Down	- 1 HP - 2 HP - 3 HP - 5 HP - 7.5 HP - 10 HP	✓	3 HP	Selection of the relevant asset sub category
Checklist Name	Text	**-**	✓	Pump	Name for identification of checklist
Tender Clause	Text	**-**	✓	-	Reference tender clause of corresponding tender
Revision	Text	**-**	-	-	Change in tender specifications can be tracked using revision
Component	Radio Button	- Distributed Solar PV (A) - Off Grid Solar Pump (B) - Grid Connected Solar Pump (C)	✓	Grid Connected Solar Pump (C)	Select PM-KUSUM Component

11.3.4 After filling all the details, user has to click on the “Save” button (highlighted in red in above Figure 58) to register NewChecklist.

11.4 REGISTRATION OF TENDER CHECKLIST DETAILS

11.4.1 Tender Checklist Details is an individual checklist item which corresponds to tender specification/requirement. Empanelledagencies declare their compliance/deviation against ideal response. (click **here** to know more)

11.4.2 Super Admin can register new Tender Checklist Template by clicking on “Tender Checklist Detail” tab as pointed in belowFigure 59.

- Navigation Step :-
  1. Sign in on the State SEDM Portal
  2. Click on the Setting Module
  3. Click on Tender Checklist Detail Tab



Figure 62 TENDER CHECKLIST DETAIL TAB

11.4.3 By clicking on the Tender Checklist Detail tab, a drop down will occur on the screen as shown in below figure, to select theTender Checklist Name which was added in the “Tender Checklist” tab.

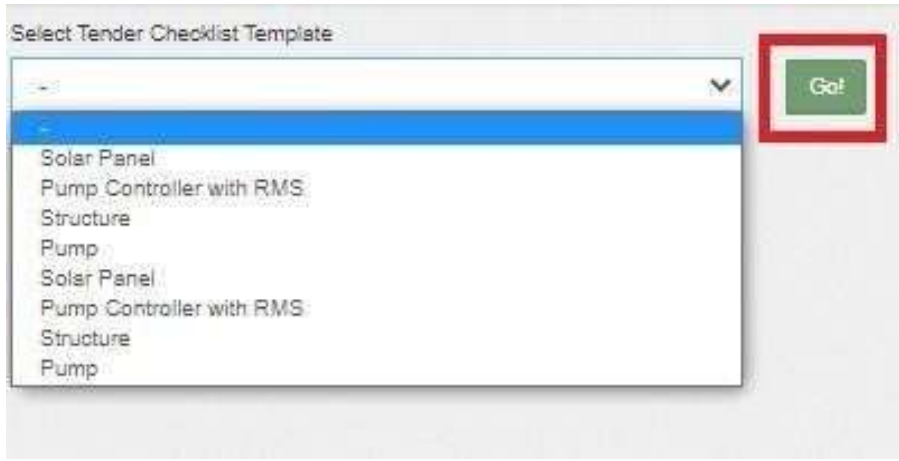
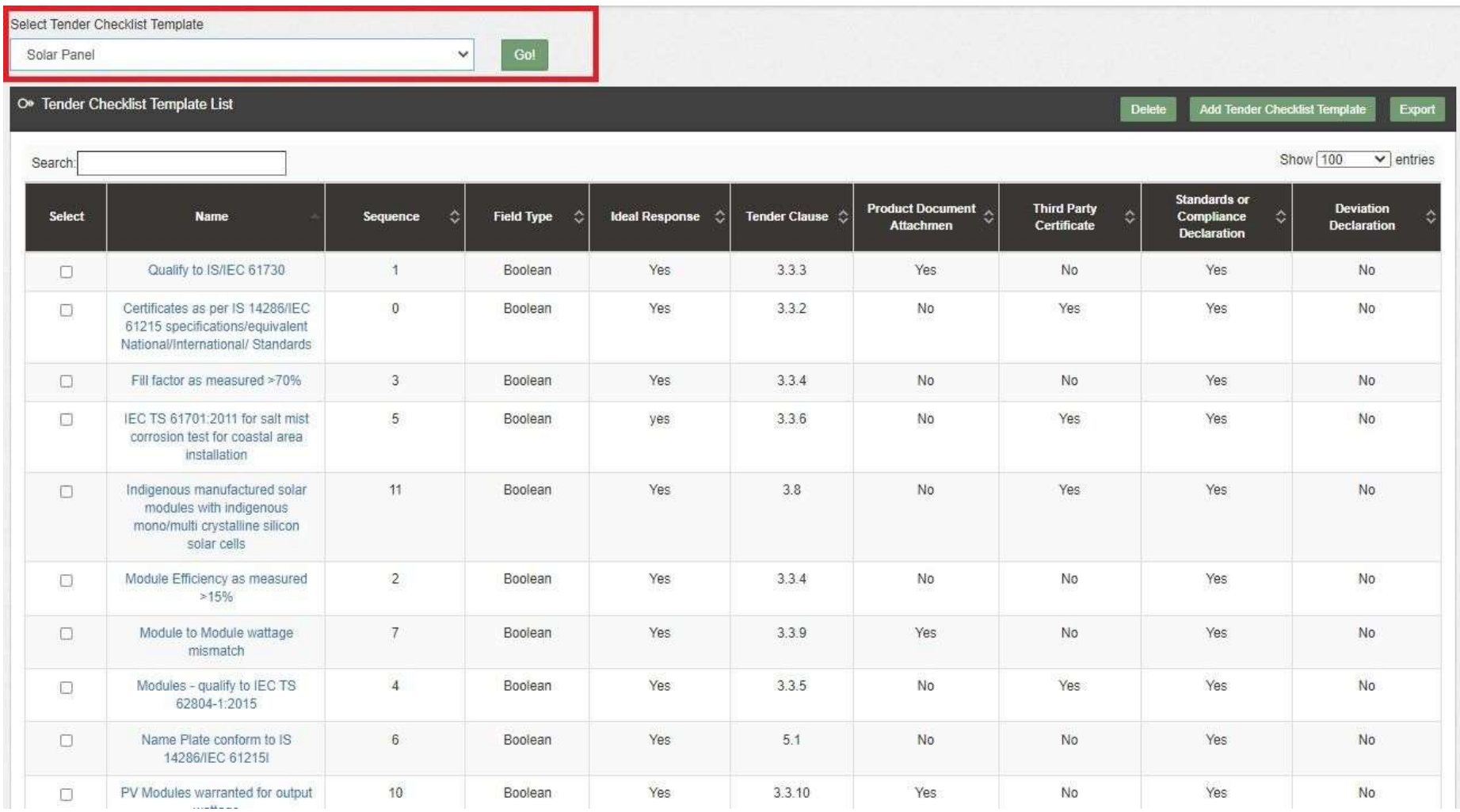


Figure 63 SELECT TENDER CHECKLIST TEMPLATE

11.4.4 After selecting the tender checklist template, user can see the Tender Checkliist Template dashboard as shown below.



Select	Name	Sequence	Field Type	Ideal Response	Tender Clause	Product Document Attachmen	Third Party Certificate	Standards or Compliance Declaration	Deviation Declaration
☐	Qualify to IS/IEC 61730	1	Boolean	Yes	3.3.3	Yes	No	Yes	No
☐	Certificates as per IS 14286/IEC 61215 specifications/equivalent National/International/ Standards	0	Boolean	Yes	3.3.2	No	Yes	Yes	No
☐	Fill factor as measured >70%	3	Boolean	Yes	3.3.4	No	No	Yes	No
☐	IEC TS 61701:2011 for salt mist corrosion test for coastal area installation	5	Boolean	yes	3.3.6	No	Yes	Yes	No
☐	Indigenous manufactured solar modules with indigenous mono/multi crystalline silicon solar cells	11	Boolean	Yes	3.8	No	Yes	Yes	No
☐	Module Efficiency as measured >15%	2	Boolean	Yes	3.3.4	No	No	Yes	No
☐	Module to Module wattage mismatch	7	Boolean	Yes	3.3.9	Yes	No	Yes	No
☐	Modules - qualify to IEC TS 62804-1:2015	4	Boolean	Yes	3.3.5	No	Yes	Yes	No
☐	Name Plate conform to IS 14286/IEC 61215l	6	Boolean	Yes	5.1	No	No	Yes	No
☐	PV Modules warranted for output	10	Boolean	Yes	3.3.10	Yes	No	Yes	No

Figure 64 TENDER CHECKLIST TEMPLATE DASHBOARD

Table 22 TENDER CHECKLIST TEMPLATE DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search Tender Checklist Template	Blue	Text Box	Enter input to explore Tender Checklist Template
Delete	Delete Tender Checklist Template	Yellow	Button	Select check box (highlighted in **pink**) and click on delete button to Delete Tender Checklist Template
Add Tender Checklist Template	Register new Tender Checklist Template	Red	Button	Register new Tender Checklist Template by clicking on Add Tender Checklist Template button
Export	CSV file for Tender Checklist Template	Green	Button	Download CSV file of Tender Checklist Template

	A	B	C	D	E	F	G	H	I
1	Name	Sequence	Field Type	Ideal Response	Tender Clause	Product Document A	Third Party Certificat	Standards or Compli	Deviation Declaration
2	Constructional requirement/features, General Requirer	6	Boolean	Yes	5.1	No	Yes	Yes	No
3	High Voltage Test as per IS Standard	4	Boolean	Yes	5.1	No	Yes	Yes	No
4	Indigenous manufactured for motor pump set	7	Boolean	Yes	3.8	No	Yes	Yes	No
5	Insulation Resistance Test as per IS Standard	3	Boolean	Yes	5.1	No	Yes	Yes	No
6	Leakage Current Test as per IS Standard	5	Boolean	Yes	5.1	No	Yes	Yes	No
7	Marking and Parameters to be declared by the Manufact	8	Boolean	yes	7.7.1	No	No	No	No
8	Min. pressure rating of 8 kg/sqcm-PE100 grade for pump	2	Boolean	Yes	3.4.5	Yes	No	Yes	No
9	Name Plate as per IS14286/IEC61215I	1	Boolean	Yes	3.3.7	Yes	No	Yes	No
10	Pump and all external parts of motor be of SS304 grade (	0	Boolean	Yes	3.4.3	Yes	No	Yes	No
11									
12									

Figure 65 CSV OF TENDER CHECKLIST TEMPLATE

11.4.5 User can register new Tender Checklist Template by clicking on “Add Tender Checklist Template” button. (highlighted in redin Figure 61)

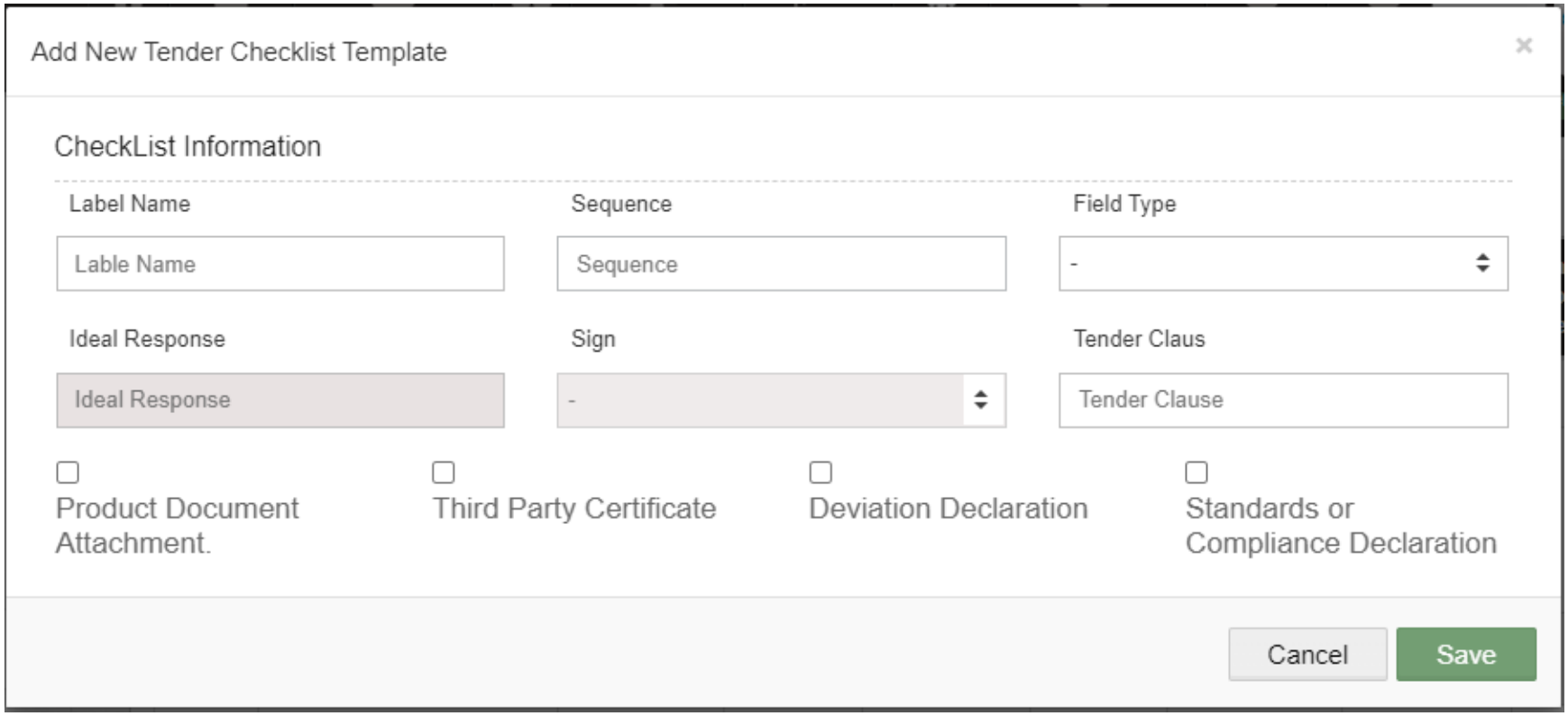


Figure 66 NEW TENDER CHECKLIST DETAILS

Table 23 TENDER CHECKLIST TEMPLATE REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Label Name	Text	**-**	**-**	Constructional requirement/features, General Requirements, Design features.	Identifier name to be given against checklist item
Sequence	Numerical	**-**	✓	6	Input the sequence number where this checklist item is to be displayed. Display of the checklist item shall be ordered by sequence
Field Type	Drop Down	- Boolean - String - Drop Down - Number	**-**	Boolean	Selection of the relevant field type of the tender checklist template

Ideal Response	Text	**-**	**-**	Yes	Input the ideal response value expected against this checklist item
Sign	Drop Down	**-**	**-**	**-**	Select the sign as per expectation of ideal response
Tender Clause	Numerical	**-**	✓	5.1	Reference tender clause of corresponding tender
Additional required Input details against checklist item	Check Box	- Product Document Attachment - Third Party Certificate - Deviation Declaration - Standard or Compliance Declaration	**-**	- Third Certificate - Standard or Compliance Declaration	User need to submit corresponding documents/declaration as per selection

11.4.6 After filling all the details, user has to click on the “Save” button (highlighted in red in above) to register New TenderChecklist Template.

11.5 AUDIT TRAIL

11.5.1 Audit Trail serves the purpose to store the details of the person that make last update on State SEDM Platform.
11.5.2 SIA with Super Admin credentials can view the audit trail in “Setting” Menu.

- Navigation Step :-
  1. Sign in on the State SEDM Portal
  2. Click on the Setting Module
  3. Click on Audit Tab



Figure 67 AUDIT TAB

11.5.3 By clicking on the Audit tab, the screen along with three filters i.e. Select District, Select Space (modules) and date rangewill appear as shown in below Figure 65.

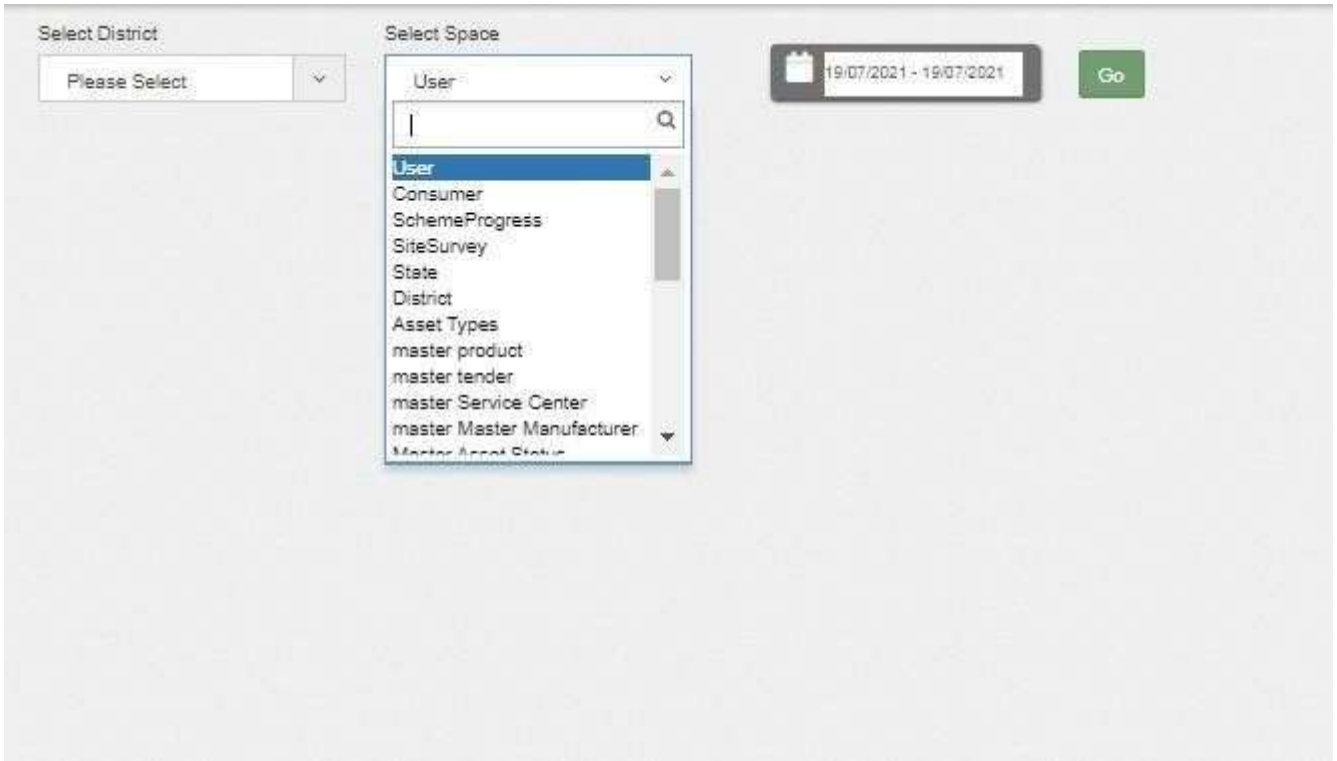


Figure 68 AUDIT TAB FILTERS

11.5.4 By selecting any particular district and Space (modules) against the selected district and date range, Super Admin can getthe details about last updates made in particular selected Space (module) as shown in below Figure 66.

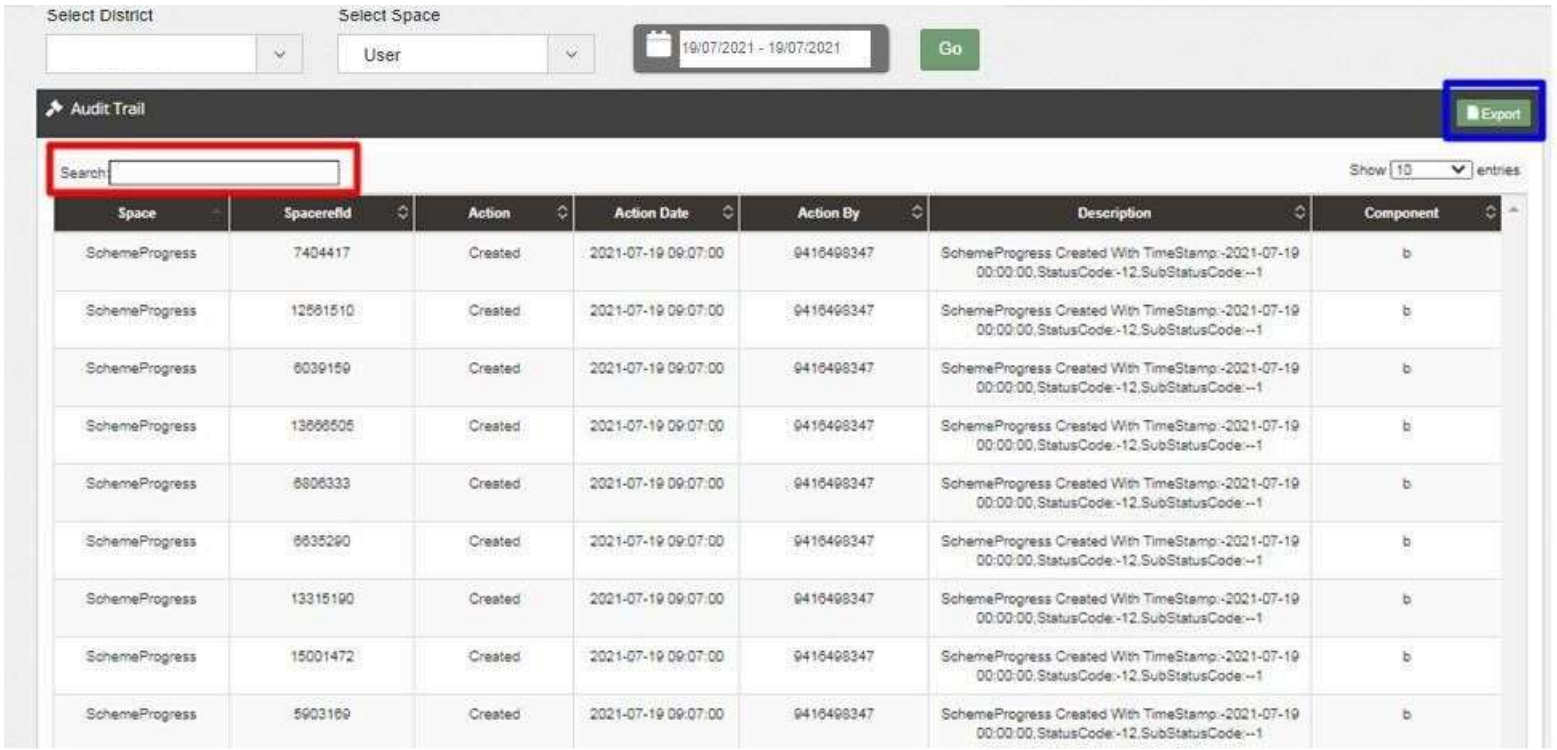


Figure 69 AUDIT DASHBOARD (APPLIED FILTERS)

11.5.5 As shown in above Figure 66, filtered dashboard by selecting District : Amritsar, Space : Scheme Progress and date range,one can find details like the person's registered username (shown as phone numbers in above Figure 66) who had made updates in scheme progress, the date on which updates was made, the action he made while updating Scheme Progress, etc.

11.5.6 User can search for specific detail by entering input in "Search" box. (highlighted in red in Figure 66)

11.5.7 User can download a csv file (refer Figure 67) of filtered Audit details by clicking on export button. (highlighted in blue inFigure 66)

	A	B	C	D	E	F	G
1	Space	SpacerefId	Action	Action Date	Action By	Description	Component
2	SchemeProgress	7404417	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
3	SchemeProgress	12561510	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
4	SchemeProgress	6039159	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
5	SchemeProgress	13666505	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
6	SchemeProgress	6806333	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
7	SchemeProgress	6635290	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
8	SchemeProgress	13315190	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
9	SchemeProgress	15001472	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
10	SchemeProgress	5903169	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
11	SchemeProgress	6677067	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
12	SchemeProgress	11926522	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
13	SchemeProgress	12891118	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
14	SchemeProgress	12910852	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
15	SchemeProgress	9267069	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
16	SchemeProgress	6632423	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
17	SchemeProgress	9671430	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
18	SchemeProgress	15081535	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
19	SchemeProgress	8765839	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
20	SchemeProgress	7453143	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
21	SchemeProgress	6063508	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
22	SchemeProgress	12134762	Created	7/19/2021 9:07	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b

Figure 70 AUDIT DETAILS – CSV FILE

11.6 APPLICATION WORKFLOW STAGES

11.6 List of Responsible Users Of TN SEDM Portal who will be responsible for the below mentioned Workflow Stages :

- Sub Division Officer (SDN)
- Head Officer (HO)
- Empanelled Agency (EA)

Table 24 FARMER APPLICATION WORKFLOW STAGES

Consumer Functionality Name	Description	Responsibility
No of Solar Plants	It gives information about how many solar plants are planted	SIA/SNA/DISCOM

Plant Location	This gives us information about location of plant	SIA/SNA/DISCOM
LOA award	Selecting this Functionality will provide the access to update issue of LOA to the beneficiary/developer.	SIA/SNA/DISCOM
PPA signing	Selecting this Functionality will provide the access to update the PPA agreement between the developer and the DISCOM/SIA	SIA/SNA/DISCOM
Financial Clearance	Selecting this Functionality will provide the access to update the Financial Clearance between beneficiary/developer and DISCOM/SIA	SIA/SNA/DISCOM
Installation & Completion	This entry demonstrates that at which date solar plant is established	SIA/SNA/DISCOM
Electrical Inspector and Certificate received	This entry demonstrates that inspection is done and district officer gets certificate	SIA/SNA/DISCOM
Export meter connected & Permission received	Meter is connected with plant and permission received .	SIA/SNA/DISCOM
Testing, Comissio ning, & synchronization	This functionality provides updates about testing, commissioning and synced data	SIA/SNA/DISCOM
Plant Charged	Plant is charged	SIA/SNA/DISCOM
Go live with RMS Data	District officer can get information of live data	SIA/SNA/DISCOM
On Hold	This step demonstrates that application is on hold	SIA/SNA/DISCOM

12 CONSUMER/FARMER APPLICATION REGISTRATION

12.1 The Consumer/Farmer Management module of SEDM is focused towards Consumer/Farmer registration, setting up of Consumer/Farmer profile and to provide the application updates, all at one place

12.2 Below are the authorized users for Application registration :

- State Implementing Agency (SIA)
  - Sub Division Officer (SDN)
  - Head Officer (HO)
  - DISCOM
  - SIA/SNA

➢ Navigation Steps for Consumer/Farmer application Registration :-

1. Sign in on the State SEDM Portal
2. Click on the “Details” on Consumer Module as shown in below Figure 68 Click on the “Add Farmer” button

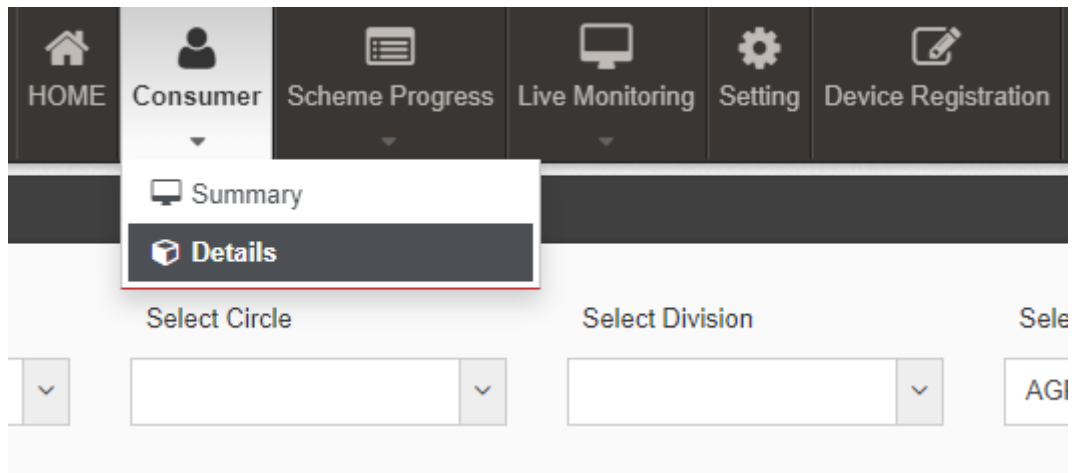


Figure 71 DETAILS

- Select the discom from where the new farmer belongs from and click on the “GO” button as shown in the below Figure 69 and Figure 70

Figure 72 SELECT DISCOM

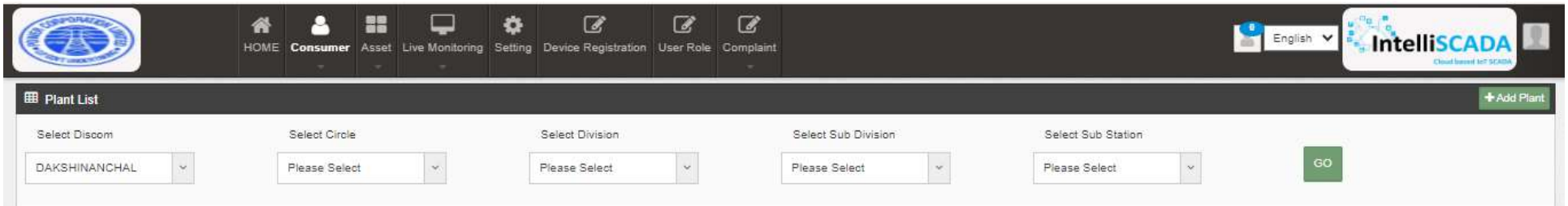
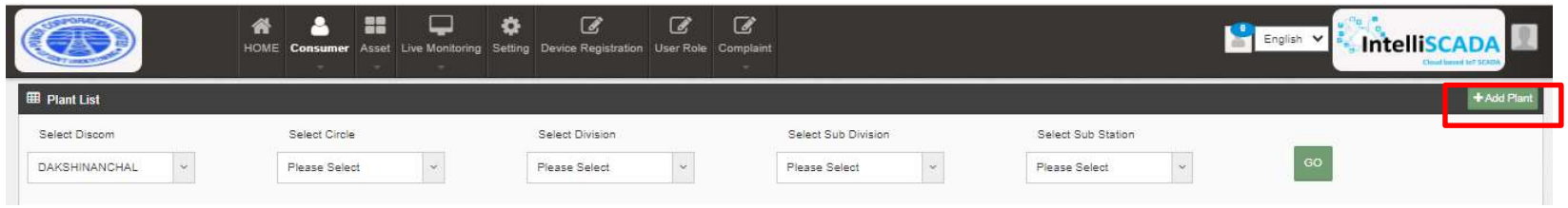


Figure 73 ADD FARMER BUTTON



- Click on the “Add Plant” button as highlighted in red in the above Figure 71.

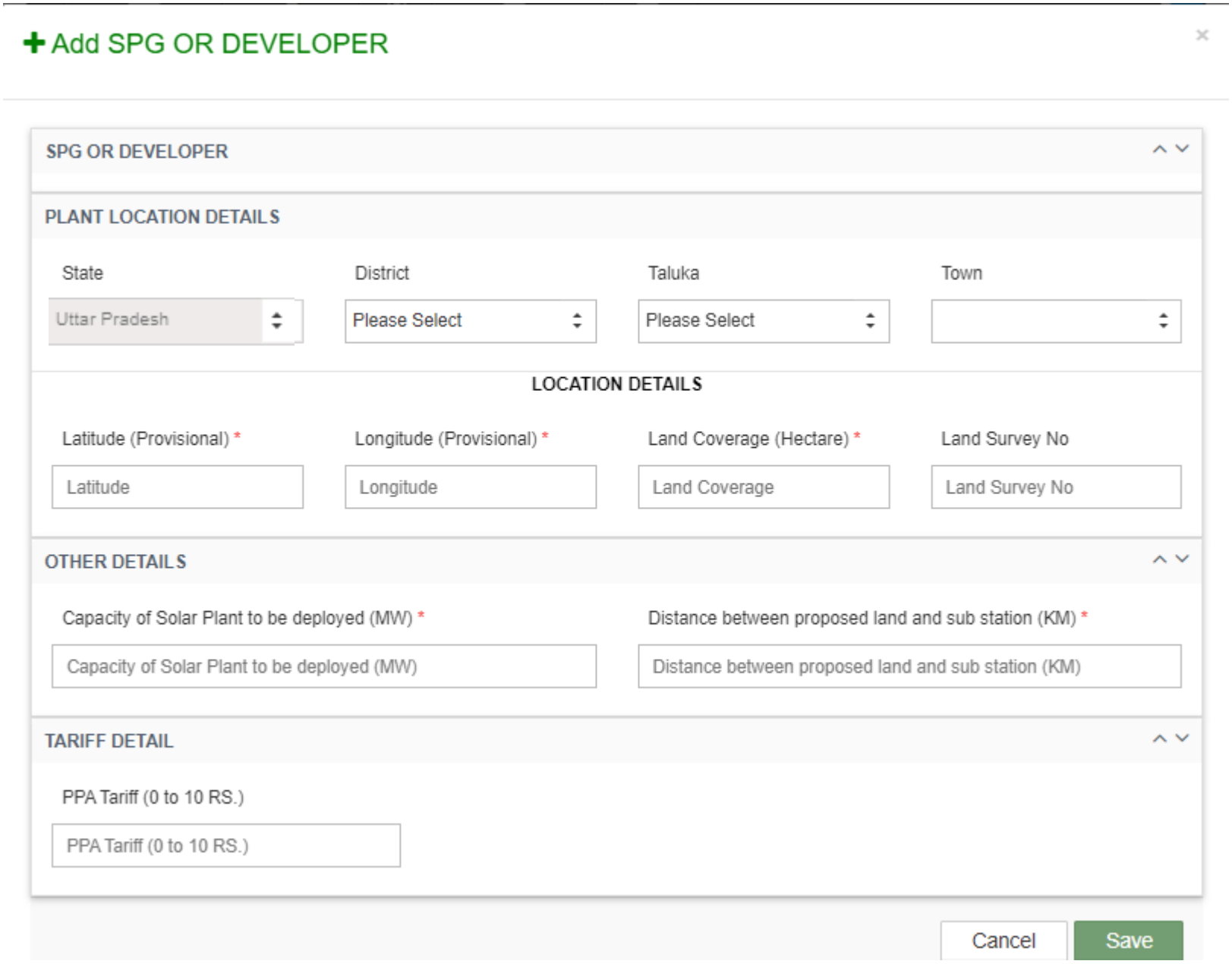


Figure 74 ADD FARMER FORM

- After clicking on the “Add Plant” button, a screen will appear as shown in above Figure 72.
- Multiple sections are there for filling out the application details.
- User has to click on the section name (highlighted in red in above Figure 72) to open the section of the form.

➢ **SPG OR DEVELOPER**

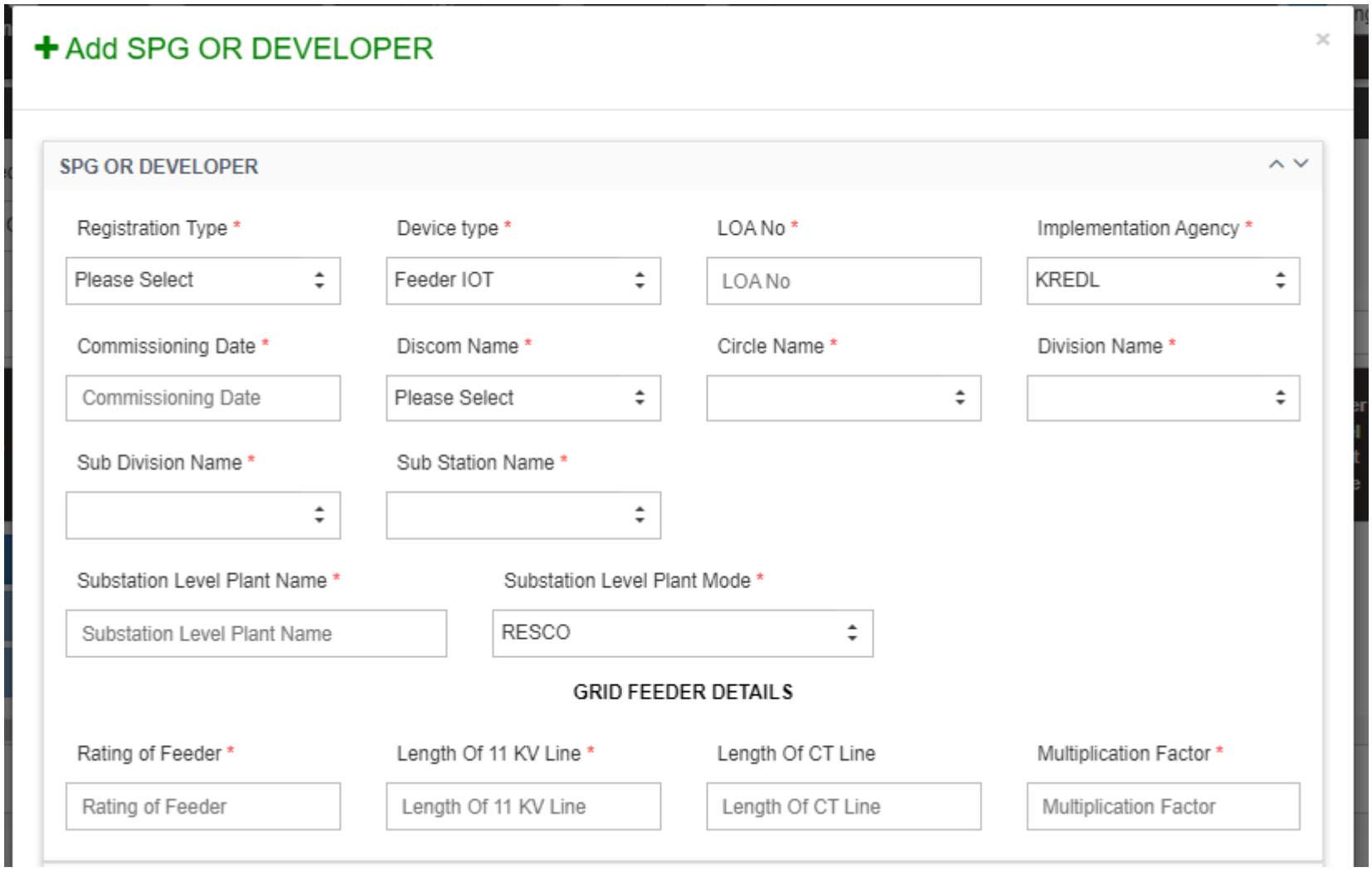


Figure 75 SPG OR DEVELOPER

Table 25 APPLICATION AND CONSUMER DETAILS

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description
Registration Type	DROPDOWN	Plant DT FARMER	✓	Plant	This functionality describes registration type of dropdown
Device type	Drop Down	- FEEDER IOT	✓	FEEDER IOT	This functionality describes type of device
LOA NUMBER	TEXT		✓	123	This functionality provides LOA number of farmer.
Implementation Agency	Drop Down	- AD	✓	AD	This functionality provides facility to select implementing agency
Commissioning date	Text	-	-	02/04/2023	This functionality presents date of commission
Discom Name	Drop Down	- **AGRA**		**AGRA**	This functionality provides facility to select discom
Circle Name	Drop Down	- CIRCLE 1 - CIRCLE 2 - CIRCLE 3	✓	✓ CIRCLE 2	This functionality provides facility to select Circle name
Division Date	Drop Down	**SELECT FROM DATE INPUT FIELD**		01/02/2023	This functionality provides facility to select DIVISION name
Sub Division Name	Drop Down	- SUB DIVISION 1 - SUBDIVISION 2 - SUBDIVISION 3	✓	✓ SUBDIVISION 3	This functionality provides facility to select SUB DIVISION name
Sub station name	Drop Down	- **SUBSTATION 1** - **SUBSTATION 2** - **SUBSTATION 3**	✓	- **SUBSTATION 2**	This functionality provides facility to select sub station name

Substation level plant mode	Drop Down	- **PLANT MODE 1** - **PLANT MODE 2**	✓	**PLANT MODE 1**	This functionality provides facility to select sub station level plant mode name
Substation level Plant Name	Text		✓	UPERA	Enter the name of substation level plant

- **Grid Details**

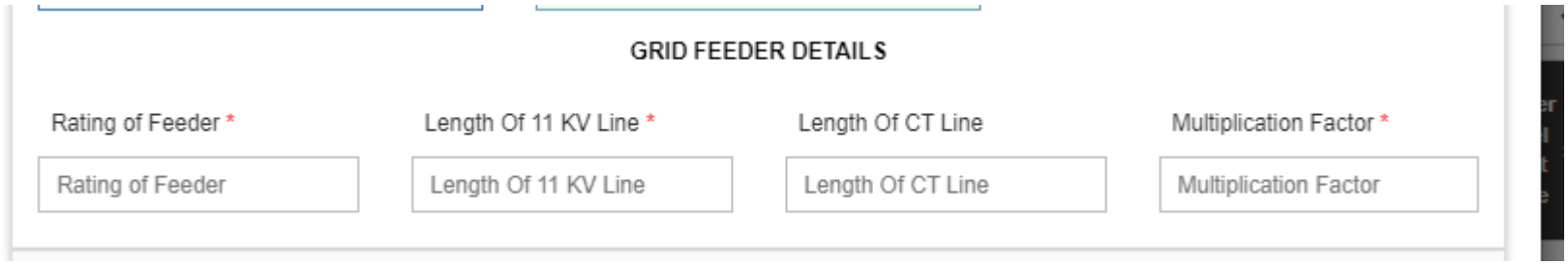


Figure 76 Grid Feeder Details

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description
Rating of feeder	Text	-	✓		**Enter ratings for feeder**
Length of KV line	Text	-	✓		**Enter length of KV line**
Length of CT line	Text	-			Enter length of CT line
Multiplication Filter	Text	-	✓		Enter multiplication factor
PLANT LOCATION DETAILS					
State	Default	**-**		UTTAR PRADESH	**-**
District	Drop Down	- **DISTRICT 1** - **DISTRICT 2** - **DISTRICT 3**		✓ **DISTRICT 1**	This District selection is for the farmer's residence district
Taluka	Drop Down	- TALUKA 1 - TALUKA 2 - TALUKA 3	**-**	- TALUKA 1	This taluka selection is for the farmer's residence taluka

Town	Drop Down	- **TOWN 1** - **TOWN 2** - **TOWN 3**	**-**	**TOWN 1**	This town selection is for the farmer's residence town

Latitude	Text	**-**	✓	20.989898	Enter latitude
Longitude	Text	**-**	✓	76.987654	Enter longitude
Land coverage	Text	**-**	✓	2	Enter land coverage
Land survey number	Text	**-**		101	**Enter land survey number**

Table 26 OTHER DETAILS

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description
Capacity of solar plant to be deployed	Text	**-**	✓	2	Enter value of Capacity of solar plant to be deployed
Distance between proposed land and sub station	Text	**-**	✓	2	Enter value of Distance between proposed land and sub station

Table 27 TARIFF DETAILS

TARIFF DETAILS					
PPA Tariff (0 to 10 RS.)	Text	**-**	✓	2	**Enter value between 0 to 10**
		-			

- Communication Details : Consumer/Farmer's Residential Details
- Location Details : Farm site location where pump will be installed
- Both details may vary.

➢ **PLANT LOCATION DETAILS**



Figure 77 PLANT LOCATION DETAILS

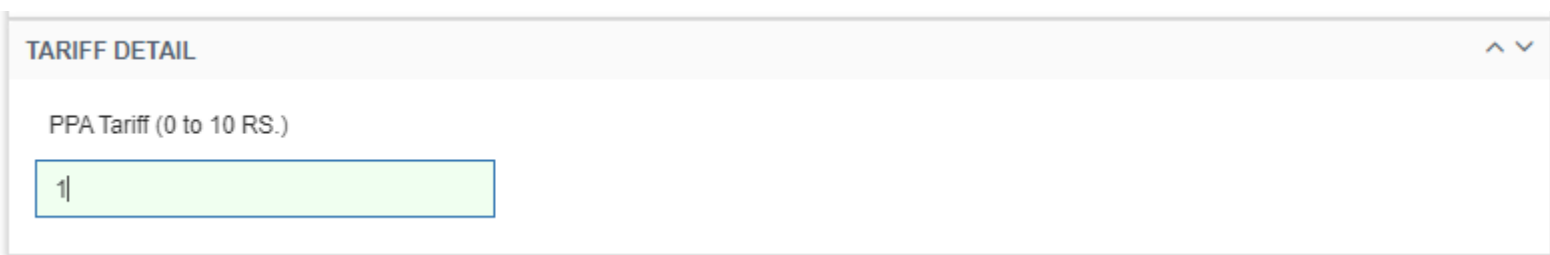


Figure 78 TARIFF DETAILS

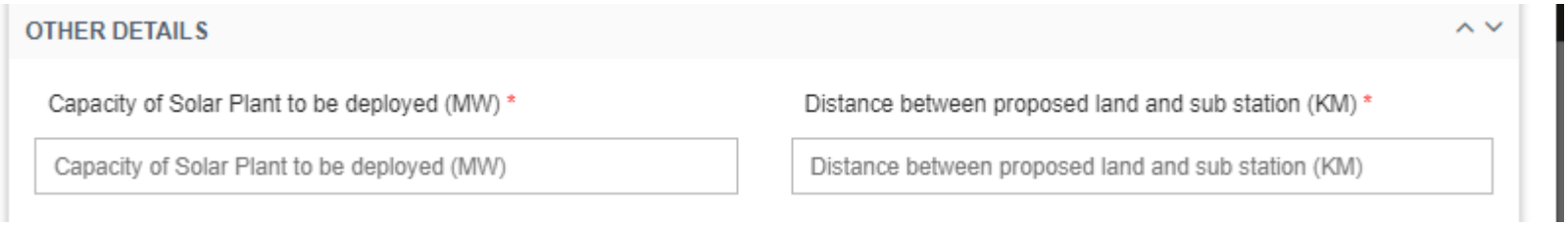


Figure 79 OTHER DETAILS

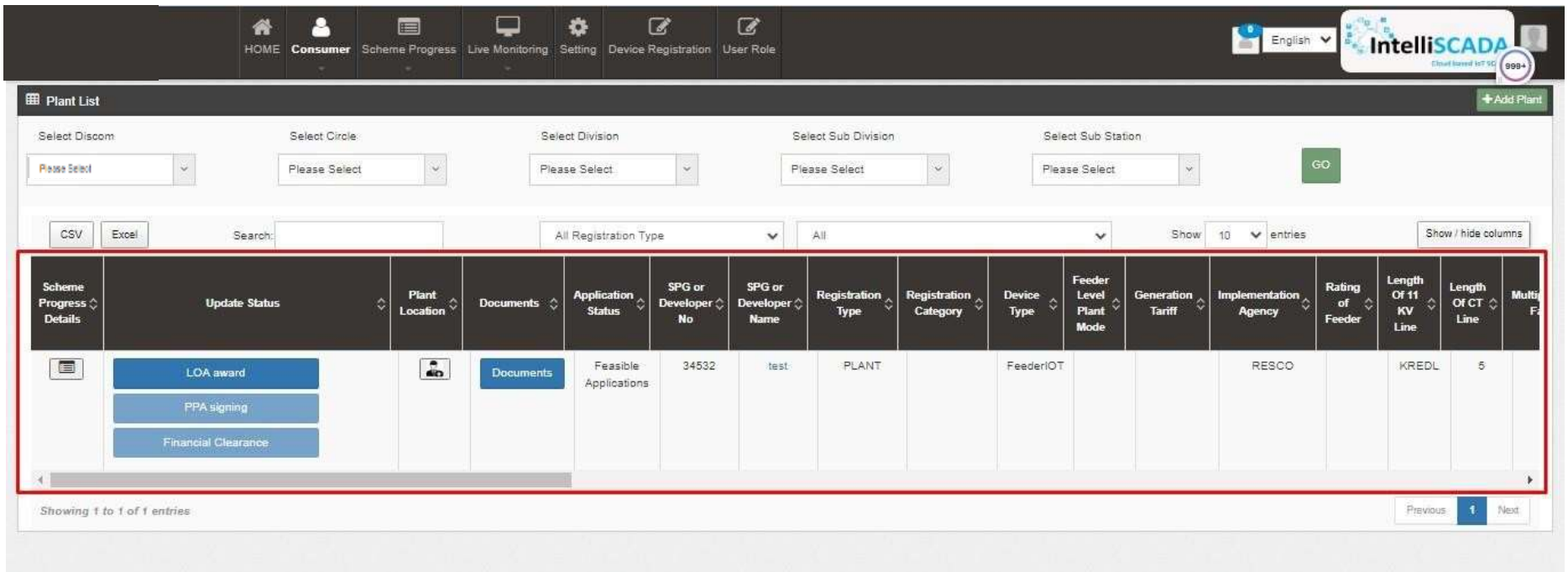


Figure 80 DETAIL DASHBOARD

- After application registration, new application will be entered in the consumer/farmer details dashboard as fresh entry (as highlighted in red above Figure 83) whose application scheme progress is yet to commence.
- Details dashboard consists following data columns :

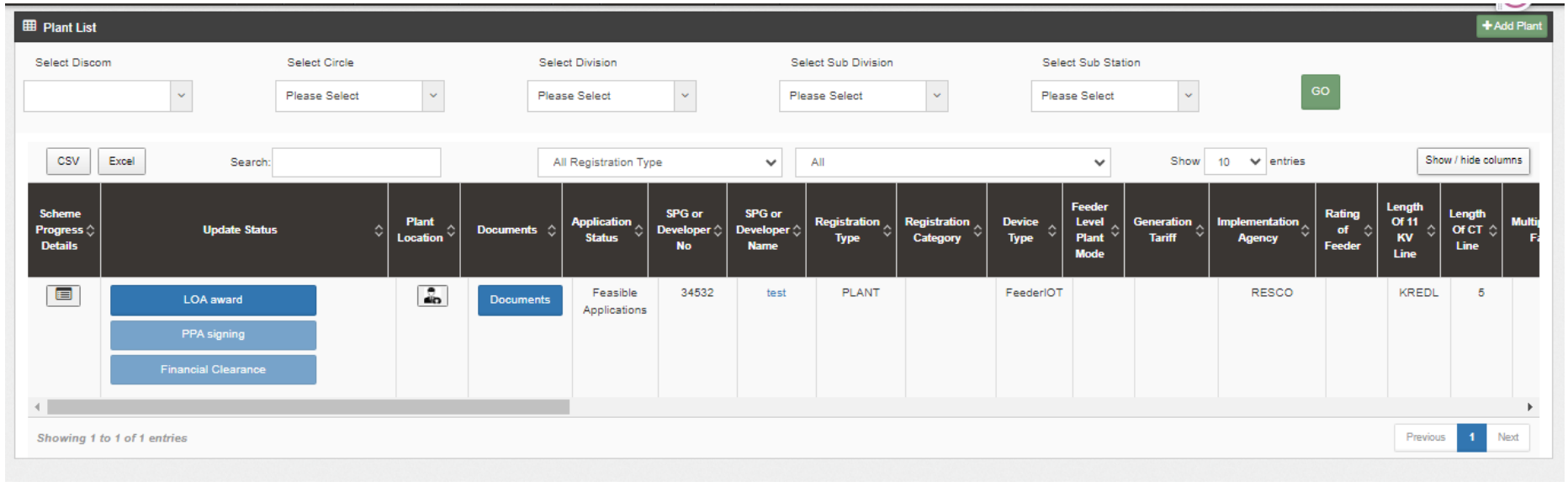
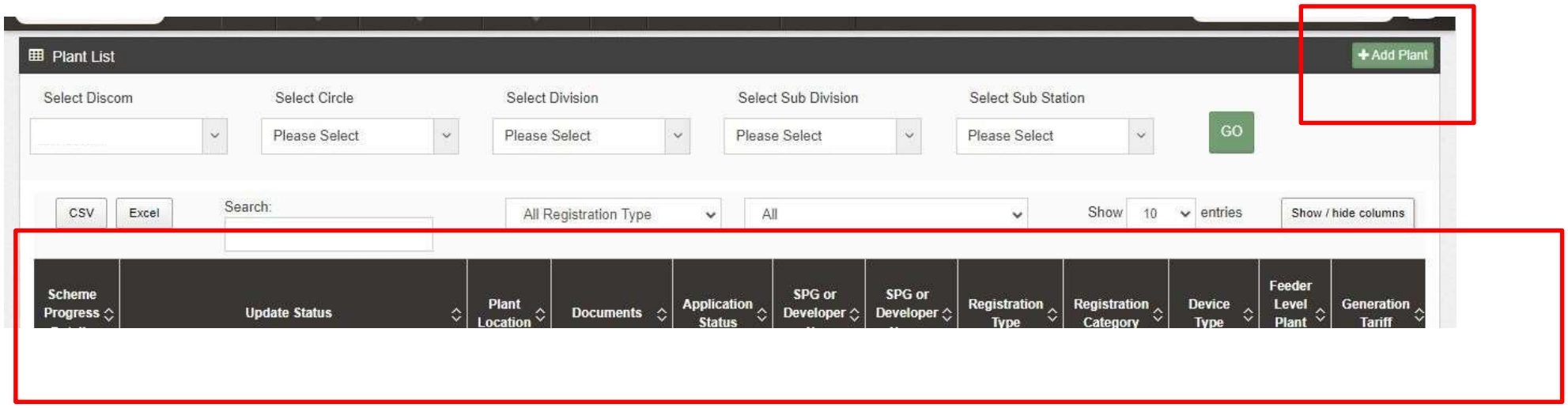


Figure 81 CONSUMER DETAIL DATA COLUMNS (I)

➢ **Consumer Details Dashboard Explanation**



The “Add Plant” button highlighted in red box can be used to register a new plant application

- Use filters highlighted in blue box to get the list of a particular application as per the requirement.
- After selecting options in the filter clink on “GO” button highlighted in green box to apply the filters.
- To track or see the progress/record of any particular application click on icon under “Scheme progress Details” highlighted in purple box in first column..
- To view or download the documents click on blue button “Documents” highlighted in BLUE box under Documents column infourth column.

Figure 82 CONSUMER/FARMER DETAIL DASHBOARD

- To view the complete details of the applicant click on the “Farmer name” highlighted in purple box under Farmer Name in ninthcolumn.

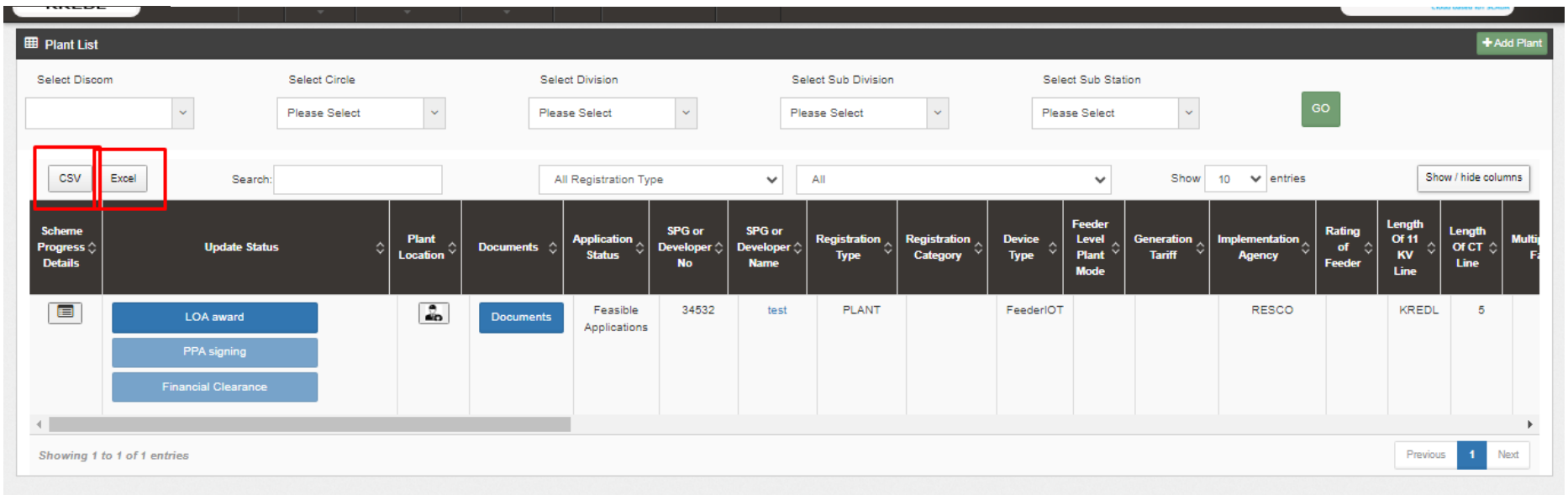


Figure 83 DETAILS DASHBOARD EXCEL FILE (II)

- The user can download the displayed data in three formats “CSV, Excel and PDF” highlighted in red box.
- Figure 86, by clicking onto the orange highlighted icon first column of Consumer Details dashboard, the user can view the chronological data for scheme progress details of any individual farmer. (as shown in below Figure 89)

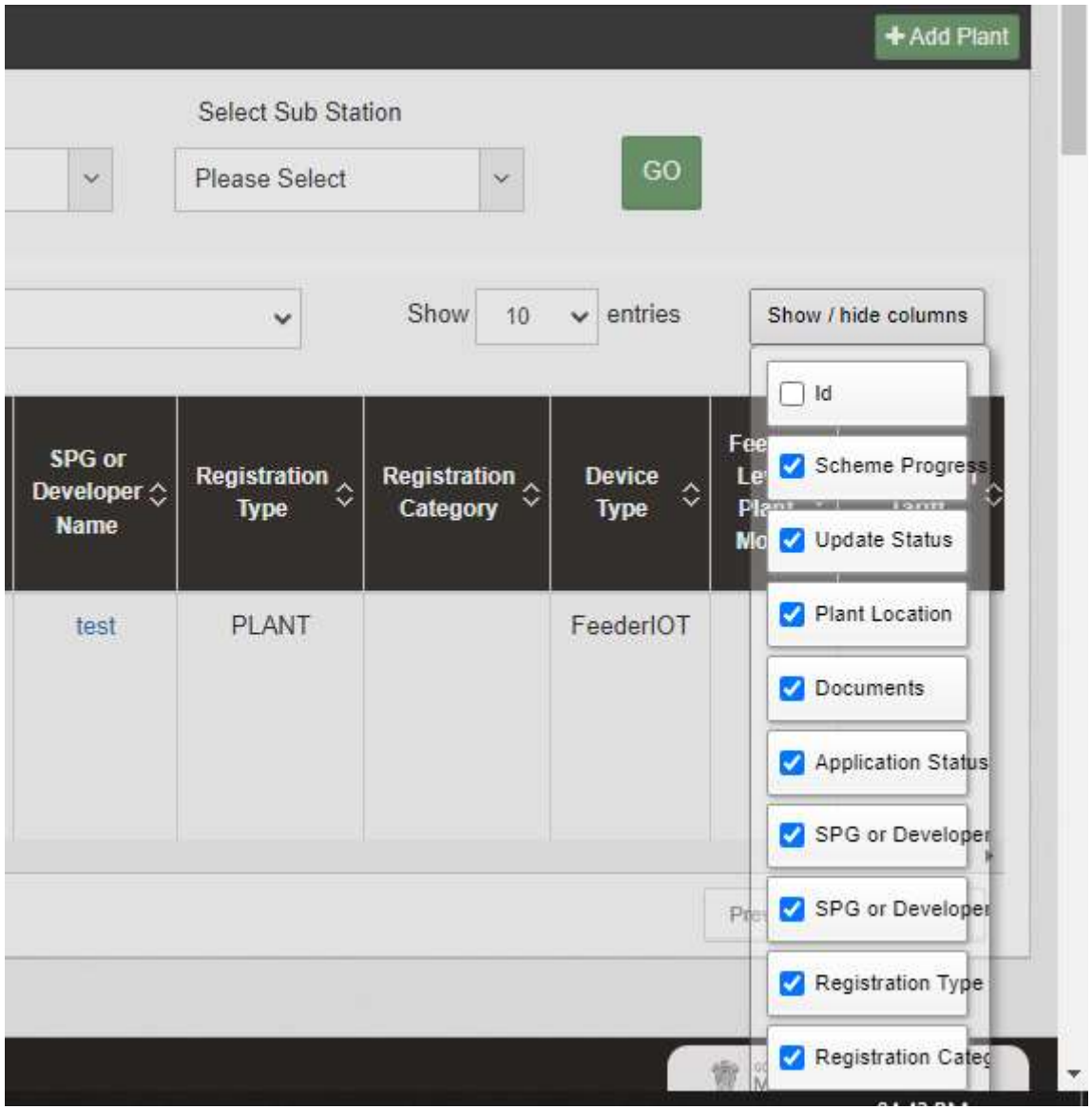


Figure 84 show and hide button

- Similarly, by clicking on the icon (highlighted in pink in Figure 86) in the second column, the user can view the site survey details of the consumer/farmer as well as take action against individual farmer's application and also can upload Site Photographs and Farmer Consent Form.



Figure 85 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER

- At the end of the report form, user can see 3 button options (in above Figure 90) – Hold, Accept, and Reject. These buttons are solely under the authorisation of Head Office or District Officer or District Office.

12.1 No of Solar Plants

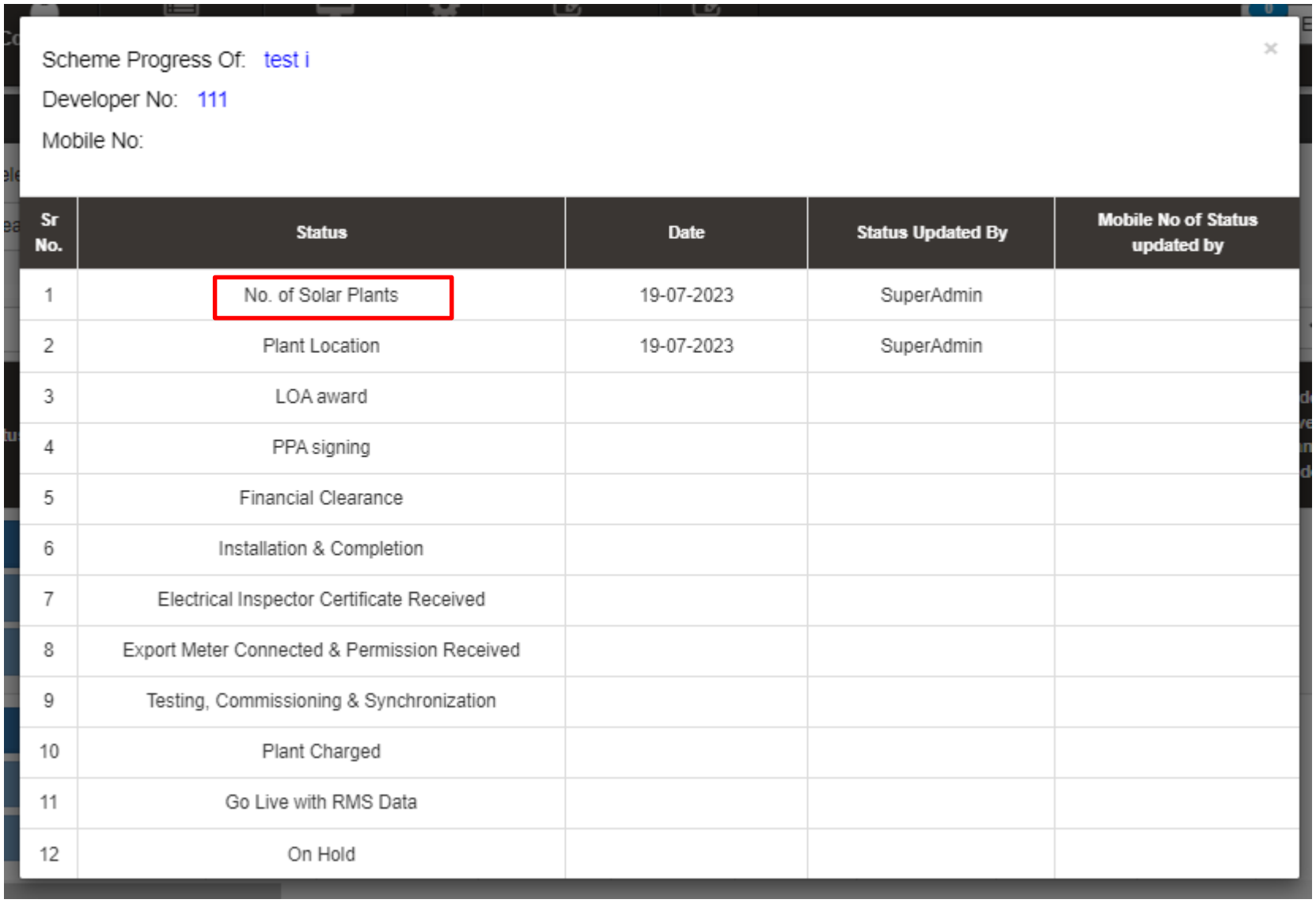
Below are the authorized users to Authenticate the application :

- State Implementing Agency (SIA)
  - Sub Division Officer (SDN)
  - Head Officer (HO)

➢ Navigation Steps to change application status Authentication :-

1. Sign in on the State SEDM Portal
2. Click on the “Details” on Consumer Module as shown in below figure

This entry is shown in scheme progress detail, while user fills form .



Scheme Progress Of: test i

Developer No: 111

Mobile No:

Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	No. of Solar Plants	19-07-2023	SuperAdmin	
2	Plant Location	19-07-2023	SuperAdmin	
3	LOA award			
4	PPA signing			
5	Financial Clearance			
6	Installation & Completion			
7	Electrical Inspector Certificate Received			
8	Export Meter Connected & Permission Received			
9	Testing, Commissioning & Synchronization			
10	Plant Charged			
11	Go Live with RMS Data			
12	On Hold			

Figure 86 NO OF SOLAR PLANTS

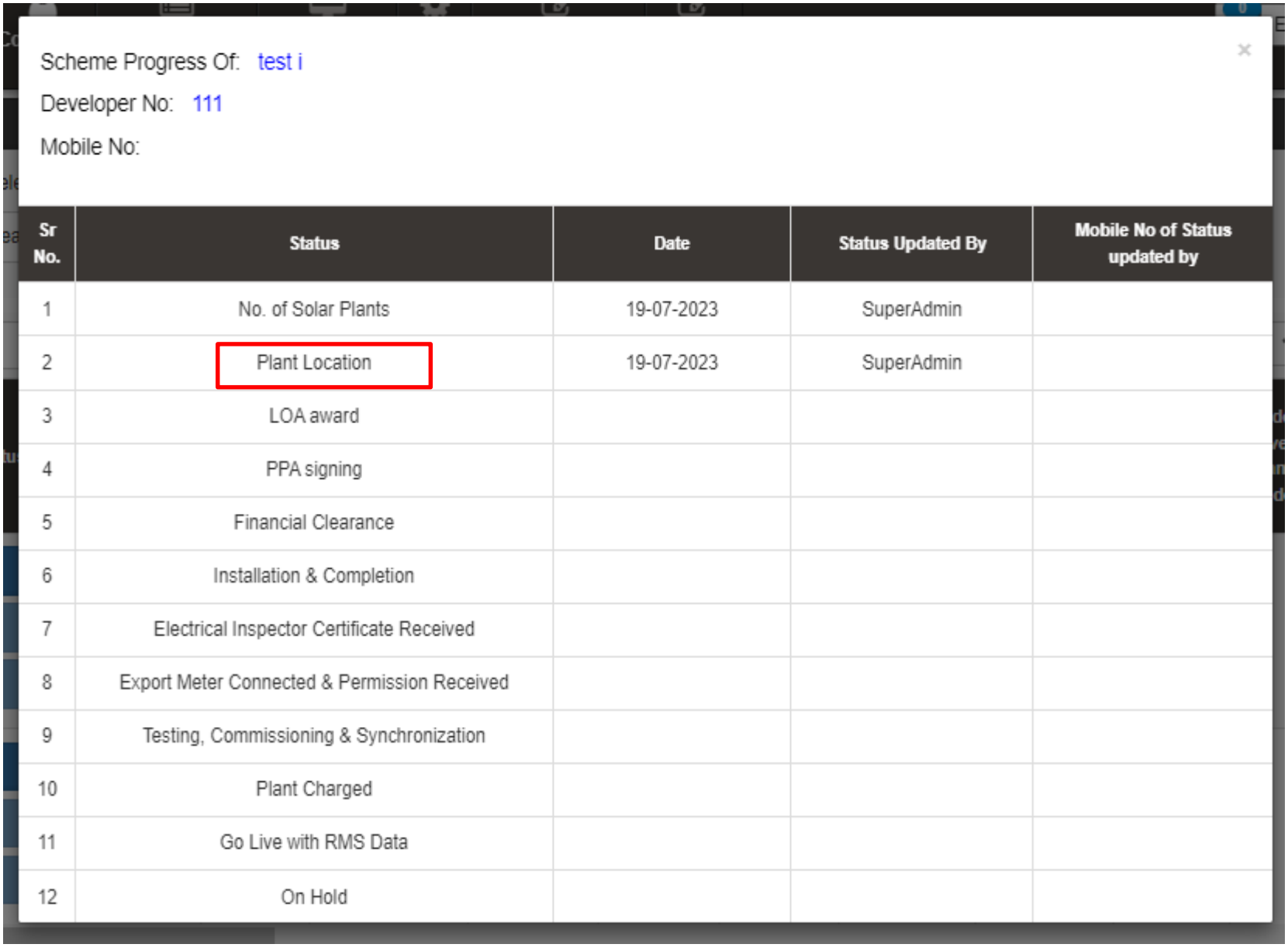
When farmer is saved, there is automatic entry against this field

12.2 PLANT LOCATION

Below are the authorized users to update the status Technical Verification:

- State Implementing Agency (SIA)
    - Sub Division Officer (SDN)

- Head Officer (HO)



Scheme Progress Of: test i

Developer No: 111

Mobile No:

Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	No. of Solar Plants	19-07-2023	SuperAdmin	
2	Plant Location	19-07-2023	SuperAdmin	
3	LOA award			
4	PPA signing			
5	Financial Clearance			
6	Installation & Completion			
7	Electrical Inspector Certificate Received			
8	Export Meter Connected & Permission Received			
9	Testing, Commissioning & Synchronization			
10	Plant Charged			
11	Go Live with RMS Data			
12	On Hold			

Figure 87 PLANT LOCATION

- Navigation Steps to change application status Authentication :-
  1. Sign in on the State SEDM Portal
  2. Click on the “Details” on Consumer Module as shown in below fig.
  3. “LOCATION PLANT” entry is mentioned in scheme progress details, while user fills form.

12.3 LOA Awards

- Below are the authorized users for Feasible Application:
  - State Implementing Agency (SIA)
  - Sub Division Officer (SDN)
  - Head Officer (HO)

- Navigation Steps to change application status “Feasible Application” :-
  1. Sign in on the State SEDM Portal
  2. Click on the “Details” on Consumer Module as shown in below

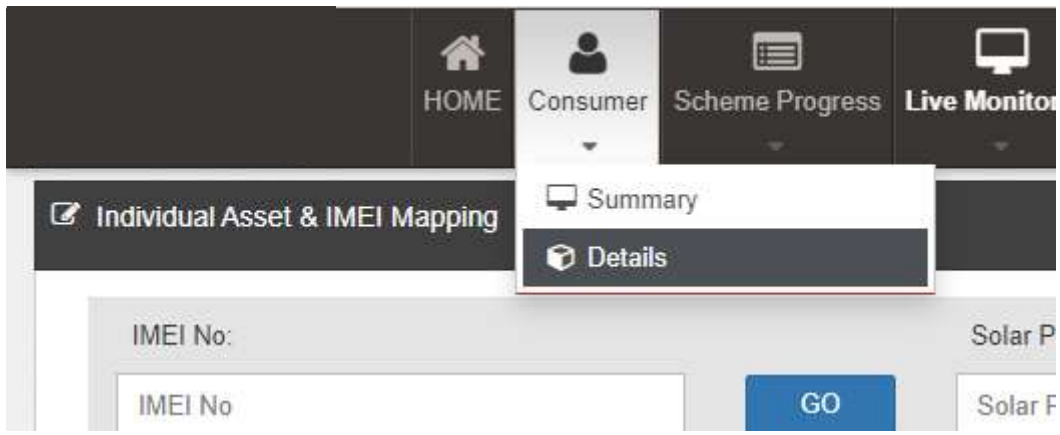


Figure 89 consumer detail

3. Click on icon shown in below figure to check the Technical details of the site:

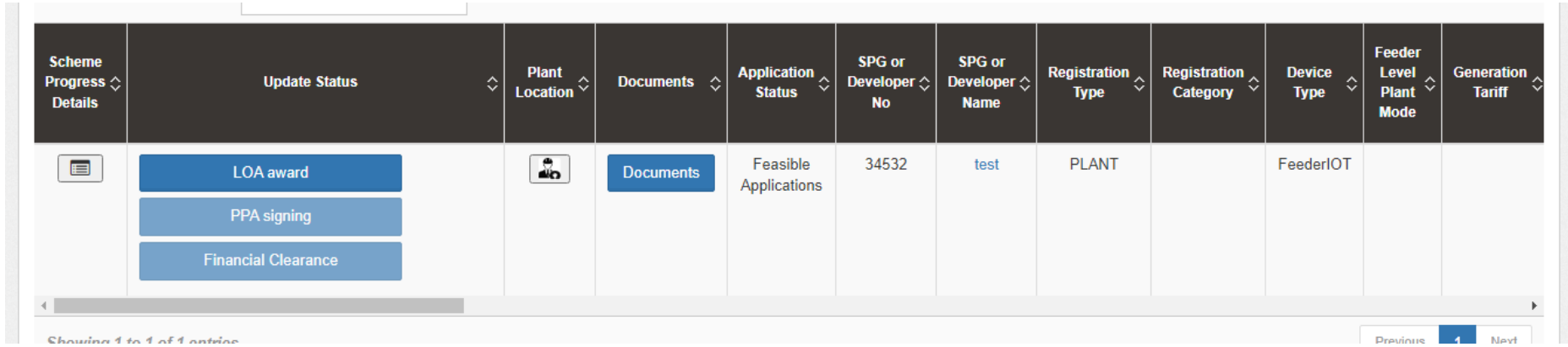


Figure 90 LOA AWARD

4. Click on “Accept” to update the LOA Award Status :

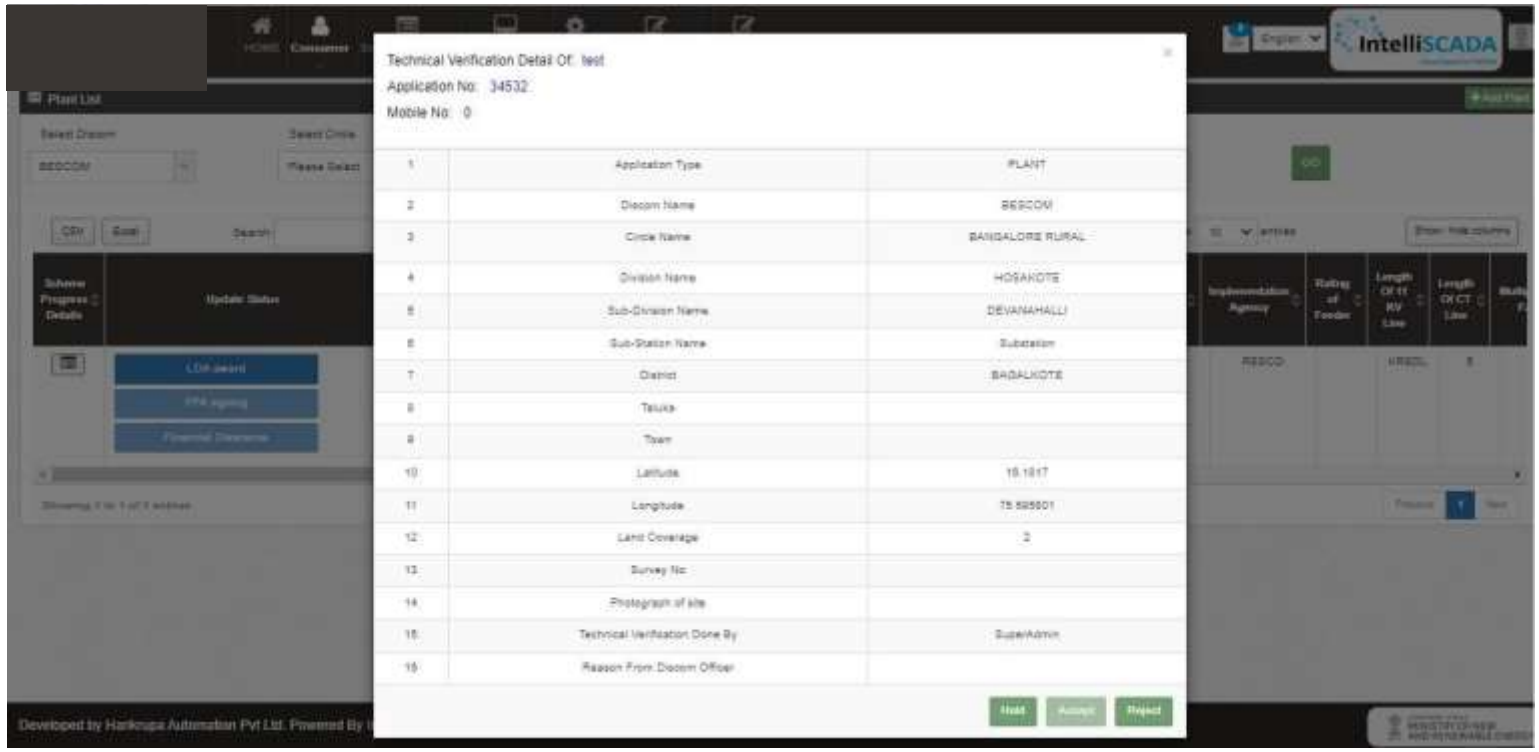


Figure 91 PLANT LOCATION

Note:

- The authorized user will Site Resurvey / Accept / Reject / Hold the application according to the site survey details.



FIGURE 91 APPLICATION ACCEPT BUTTON

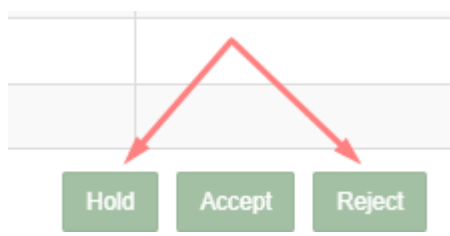


FIGURE 92 APPLICATION HOLD-REJECT BUTTON

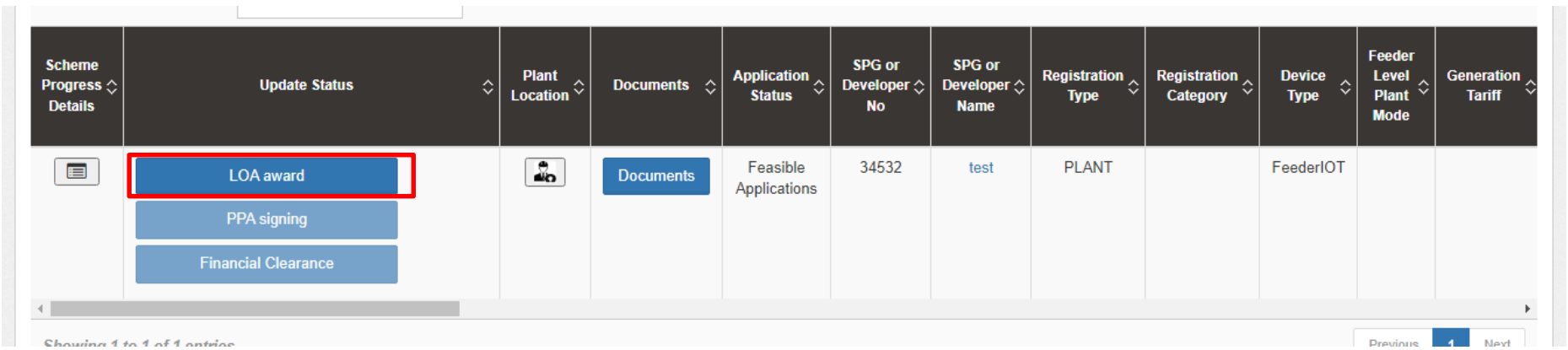
- To put application on hold or to reject the application, user has to click on the “Hold” or “Reject” button (pointed in red in above Figure 92) and have to give the reason for the same.



FIGURE 93 REASON FOR APPLICATION HOLD/REJECT



1. Click on “LOA Award“ in the update status



- In Details dashboard as shown in below figure, Consumer/Farmer details are displayed along with the blue buttons of Status in third column.

12.4 PPA Signing

- Below are the authorized users for Order Placed to EA :
  - State Implementing Agency (SIA)
    - Sub Division Officer (SDN)
    - Head Officer (HO)

➢ Navigation Steps to change application status PPA Signing:-

19 Sign in on the State SEDM Portal

20 Click on the “Details” on Consumer Module as shown in below Figure 96 Details

- After LOA Award, authorized users has to change the status “PPA Signing”.
- In Details dashboard as shown in below figure, Consumer/Farmer details are displayed along with the blue buttons of Status in second column.

-

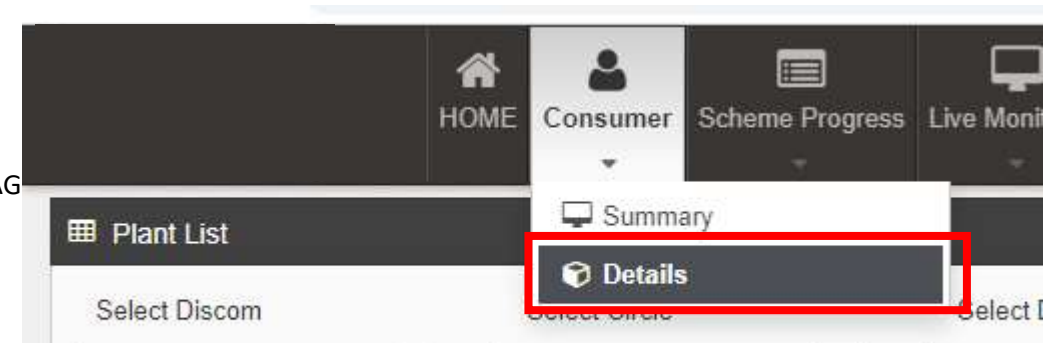


FIGURE 96 DETAILS



Figure 93 PPA SIGNING

12.5 Financial Clearance

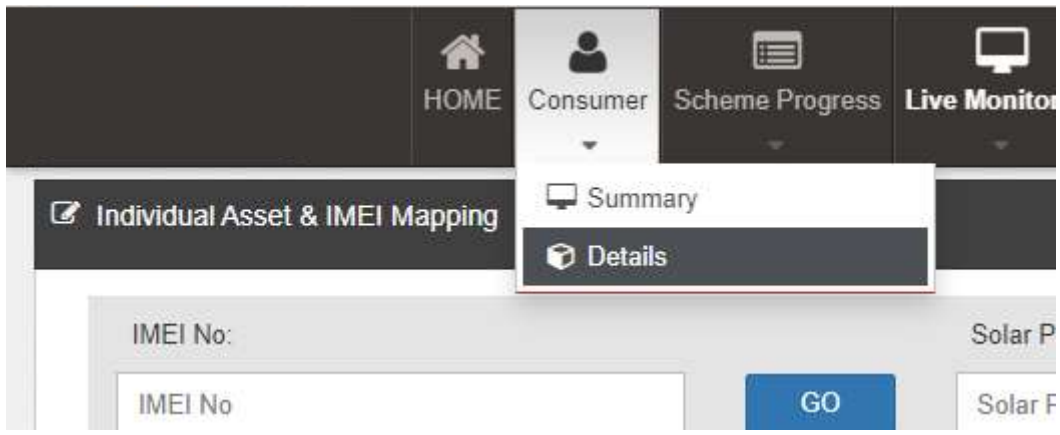
Below are the authorized users for Financial Clearance :

12.5.1 State Implementing Agency (SIA)

12.5.1.1 Sub Division Officer (SDN)

12.5.1.2 Head Officer (HO)

- Navigation Steps to change application status PPA Signing:-
  1. Sign in on the State SEDM Portal
  2. Click on the “Details” on Consumer Module as shown in below Figure 96 Details



3. After PPA Signing, authorized users has to change the status “Financial Clearance”.



Figure 94 FINANCIAL CLEARANCE

13 LIVE MONITORING

- The Live Monitoring Module on SEDM Platform gives the users a dynamic functionality to monitor and assess the scheme statistics as well as the functioning of the solar plant/pump efficiently, all of this from a single window.

➢ Navigation Steps: -

1. Sign in on the State SEDM Portal
2. Click on the ‘Live Monitoring’ option on the Title Bar of the SEDM Portal Dashboard
3. Navigate “Dashboard” (as shown in Figure 102)

- Sign In >> Live Monitoring >> Dashboard

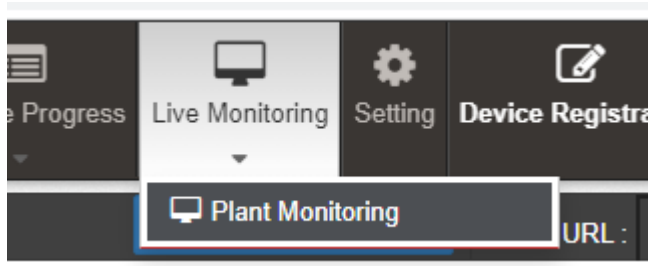


Figure 95 LIVE MONITORING DASHBOARD OPTION

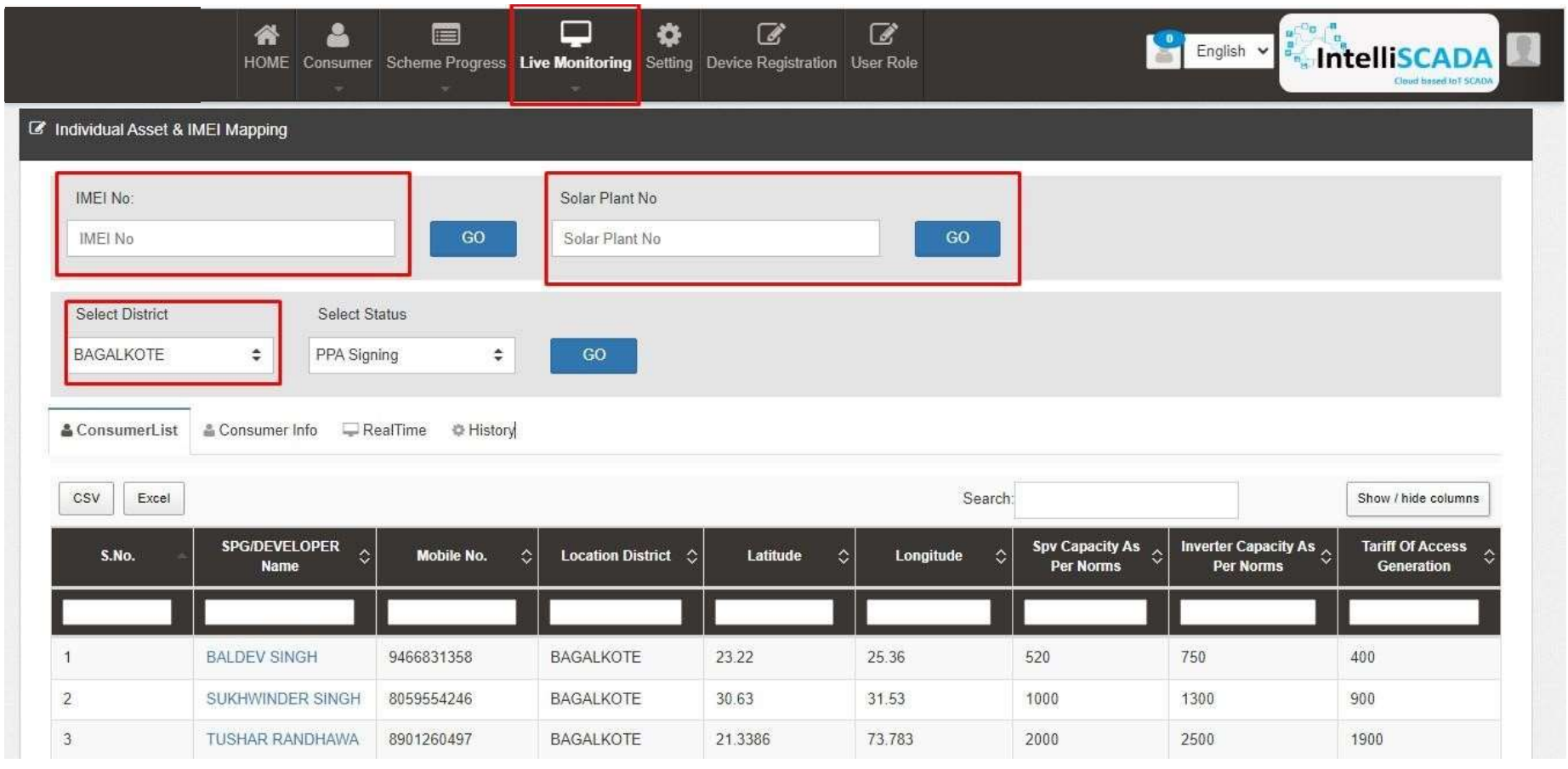


Figure 96 LIVE MONITORING

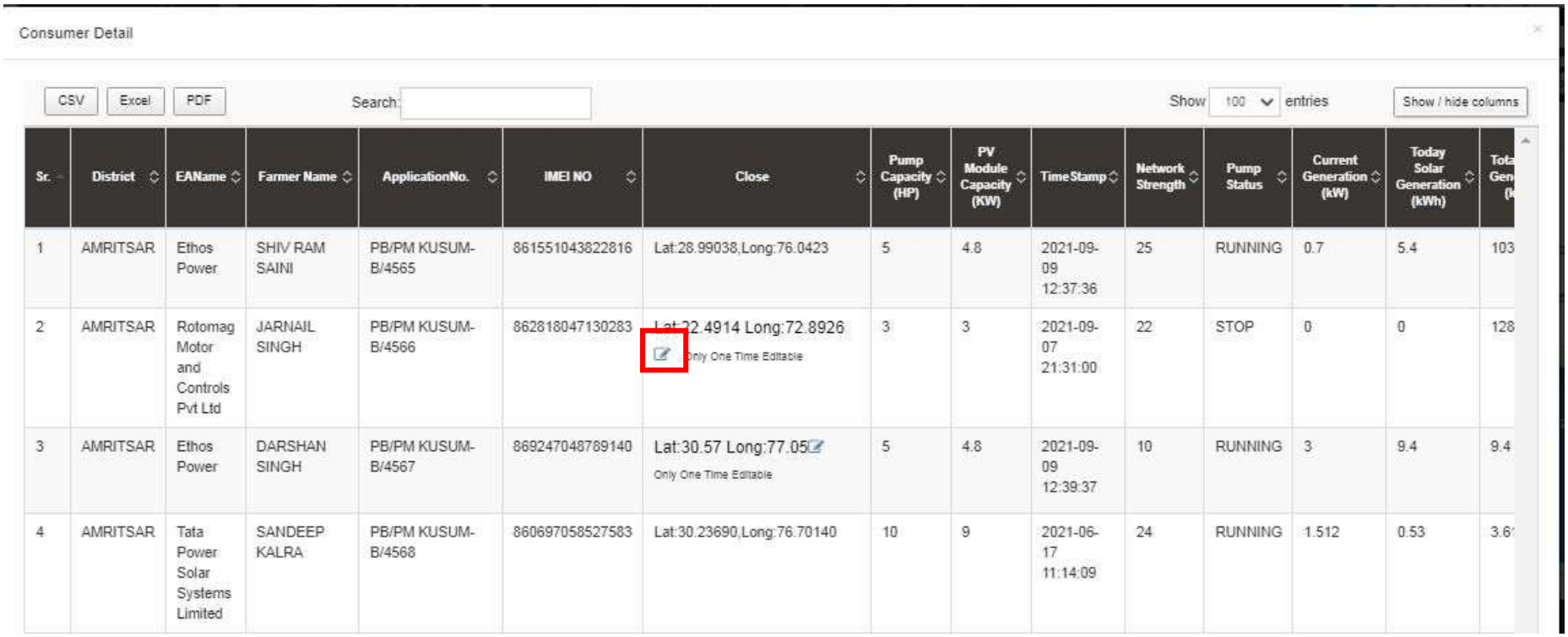
FIGURE 103 LIVE MONITORING DASHBOARD

- **Last Updated Time Stamp** (highlighted in yellow in above Figure 103)

It is the start date when the system became operational.

- This time stamp updates every 15 minutes in Live Monitoring Dashboard on State SEDM Platform and consequently, data of live monitoring dashboard gets updated every 15 minutes.

- **Empanelled Agency Filter** (highlighted in blue in above Figure 103)
  - User can view live monitoring dashboard data of all empanelled agencies or else, can view data empanelled agency wise also by filtering out empanelled agency.
- **Consumer Details** (highlighted in red in above Figure 103)
  - By clicking on the "Consumer Details" button, user can view a screen where the consumer details as well as their corresponding RMS details (last updated) will be displayed and can also edit consumer's RMS latitude-longitude in this screen only just for once.



Sr.	District	EAName	Farmer Name	ApplicationNo.	IMEI NO	Close	Pump Capacity (HP)	PV Module Capacity (KW)	TimeStamp	Network Strength	Pump Status	Current Generation (kW)	Today Solar Generation (kWh)	Tota Gen (k
1	AMRITSAR	Ethos Power	SHIV RAM SAINI	PB/PM KUSUM-B/4565	861551043822816	Lat:28.99038,Long:76.0423	5	4.8	2021-09-09 12:37:36	25	RUNNING	0.7	5.4	103
2	AMRITSAR	Rotomag Motor and Controls Pvt Ltd	JARNAIL SINGH	PB/PM KUSUM-B/4566	862818047130283	Lat:22.4914 Long:72.8926	3	3	2021-09-07 21:31:00	22	STOP	0	0	128
3	AMRITSAR	Ethos Power	DARSHAN SINGH	PB/PM KUSUM-B/4567	869247048789140	Lat:30.57 Long:77.05	5	4.8	2021-09-09 12:39:37	10	RUNNING	3	9.4	9.4
4	AMRITSAR	Tata Power Solar Systems Limited	SANDEEP KALRA	PB/PM KUSUM-B/4568	860697058527583	Lat:30.23690,Long:76.70140	10	9	2021-06-17 11:14:09	24	RUNNING	1.512	0.53	3.6

Figure 97 LIVE MONITORING DASHBOARD

- User can change RMS latitude and longitude by clicking on edit icon (highlighted in red in above Figure 104) and in below Figure 106 is shown how to change the RMS latitude and longitude.

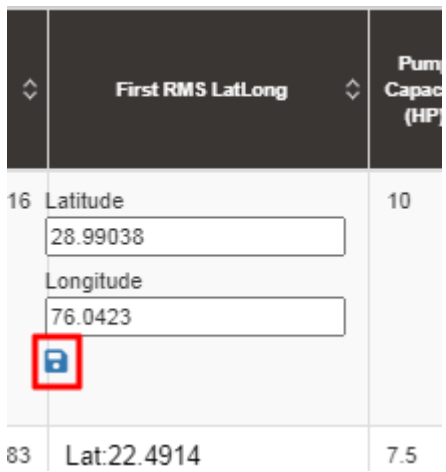


Figure 98 UPDATE RMS LATITUDE - LONGITUDE

- After entering new RMS latitude and longitude, user has to click on the save icon (highlighted in red in Figure 103) to update the RMS latitude-longitude.

NOTE: RMS Latitude-Longitude can be updated only **once** and not more than that.

- Below are the parameters covered in Live monitoring dashboard (highlighted in green in above Figure 103) :

1. **Total Standalone Pumps**
   - It reflects the total numbers of applications whose application status is updated to “Installation & Verification done”.
2. **Total Pump Capacity**
   - It reflects the total sum of capacity (HP) of total standalone pumps.
3. **Total Module Capacity**
   - It reflects the total sum of SPV capacity of total standalone pumps. (SPV Capacity as per EA rate card, click **here** to know more)
4. **Total RMS Integrated Pumps**
   - It reflects the total number of pumps who had sent RMS data on the portal for the first time.
5. **Total Solar Generation**
   - It reflects the total cumulative Solar Generation of RMS Integrated pumps till today. (in terms of MUs i.e. Million Units)
6. **Total Water Discharge**
   - It reflects the total cumulative kilolitres of Water discharged from RMS Integrated pumps till today.
7. **Total Pump Run Hours**
   - It reflects the total cumulative hours that RMS Integrated pumps ran till today.
8. **CO2 Reduction (TON)**
   - CO2
9. **Avg. Solar Generation per Pump**
   - Formula : Total Solar Generation / Total RMS Integrated pumps

10. Avg. Water Discharge per Pump

- Formula : Total Water Discharge / Total RMS Integrated pumps

11. Avg. Run Hours

- Formula : Total Pump Run Hours / Total RMS Integrated pumps

- Live Monitoring has three different coloured boxes (Red, Green and Blue as shown in Figure 103) are explained in below Table 35.

Table 28 LIVE MONITORING – EXPLANATION OF THREE BOXES

Box Name (Colour)	Sub Status	Description	Refer Figure 103 for below figures as an example
Communication Status (Red Box)	RMS Integrated Pumps	Displays Total RMS Integrated Pumps out of Total Pumps whose current status is Installation & Commission Done	**7808** (Total RMS Integrated pumps) **/ 12614** (Total Pumps having current status Installation & Commission)
	Invalid RMS Integrated Pumps	This sub status considers standard time of Total Pump running hours as 12 hours. If any pump from total RMS Integrated pumps runs for more than standard hours than it falls in Invalid category	**1525** (Pumps ran more than standard hours) **/ 7808** (Total RMS Integrated pumps)
	Connected Since Last 30 Mins (LIVE)	Displays Total no. of Pumps that are connected from last 30 mins out of Total RMS Integrated pumps	**2033** (Total Pumps connected since last 30 minutes) **/ 7808** (Total RMS Integrated pumps)
	Disconnected	Displays Total no. of Pumps that are disconnected out of Total RMS Integrated pumps	**4250** (Total disconnected Pumps) **/ 7808** (Total RMS Integrated pumps)
	Location Matched	Displays Total no. of pumps whose latitude-longitude (captured while Site Survey) **matched** with the latitude-longitude that RMS had sent along with the data for the first time on the portal out of Total RMS Integrated pumps	**2956** (matched Latitude-Longitude) **/ 7808** (Total RMS Integrated pumps)
	Location Mismatched	Displays Total no. of pumps whose latitude-longitude (captured while Site Survey) **mismatched** with the latitude-longitude that RMS had sent along with the data for the first time on the portal out of Total RMS Integrated pumps	**3327** (mismatched Latitude-Longitude) **/ 7808** (Total RMS Integrated pumps)
Operation Status of Live Pumps (Green Box)	Pumps in Run Mode	Displays Total no. of pumps that are currently running out of total no. of pumps that are connected since 30 minutes (sub status given in red box)	**542** (Pumps currently running) **/ 2033** (Pumps connected since last 30 minutes)
	Pumps in Stop Mode	Displays Total no. of pumps that are currently not running i.e. stopped out of total no. of pumps that are connected since 30 minutes (sub status given in red box)	**1470** (Pumps currently stopped) **/ 2033** (Pumps connected since last 30 minutes)
	Pumps in Protected Mode	Displays total no. of pumps that falls in below shown four categories (highlighted in red in below Figure 107) out of total no. of pumps	**21** (Invalid Pumps) / **2033** (Pumps connected since last 30 minutes)

		that are connected since 30 minutes (sub status given in red box)	
Utilization Factor for installed solar capacity (MV) (Blue Box)	Capacity Utilization Factor For Live Pumps (MV)	Displays total SPV capacity (MW) produced of total no. of pumps (currently in run mode - sub status given in green box) out of total SPV capacity as mentioned in the EA rate card (click **here** to know about SPV capacity as per EA rate card)	**1.79** (total SPV capacity (MW) produced of total no. of running pumps) **/ 12.37** (total SPV capacity as mentioned in the EA rate card) **1.79 / 12.37 * 100** = **14.46 %** (percentage shown in blue box of live monitoring dashboard in Figure 103)
	Avg. Solar Generation per Pump (KW) 542 (Pumps currently in run mode)	**1.79** (total SPV capacity (MW) produced of total no. of running pumps) **/ 542** (Pumps currently in run mode) *** 1000** (to convert value from MW into KW) = **3.30** KW	



Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD

- Below are the brief points covered under map of Live Monitoring dashboard:
  - **Monitoring of Live Parameters on Dashboard with Map View**
  - **Navigation:**
    - It is possible to navigate from state to district to individual Consumer/Farmer on a single page in the map view.
    - At state and district level, summary of parameters are displayed in a pop-up window.
  - By clicking upon the green location icon on map (shown in Figure 103), a screen (refer) will open that covers the

following list of Important Parameters of particular district**:**

- **Standalone Solar Pumps**
  - Total no. of Standalone Solar Pumps
  - Total Pump Capacity (HP)
  - Total Solar Module Capacity (Actual) (KW)
- **RMS Integrated Pumps**
  - Total no. of RMS Integrated Pumps
  - Pumps in Run Mode
  - Pumps in Stop Mode
  - Pumps in Protection Mode
  - Current Solar Capacity Utilization of Pump in Run Mode (KW)
- **Indicators**
  - Pump Run Hours
  - Solar Generation (kWh)
  - Water Discharged (Kiloliter)

- By clicking upon district name, user will get a broad view of selected district in which consumers/farmers of that district (in terms of green and red location icons, as shown in below will be displayed.
  - Green Icon (Live) - Consumer/Farmer's Solar Pump that is connected since 30 minutes.
  - Red Icon (Not Live) - Consumer/Farmer's Solar Pump that is disconnected.
- User can filter out the view by selecting any of the three status of Solar Pump.
- Also user can navigate back to the state view by clicking on state name.

14 SUMMARY

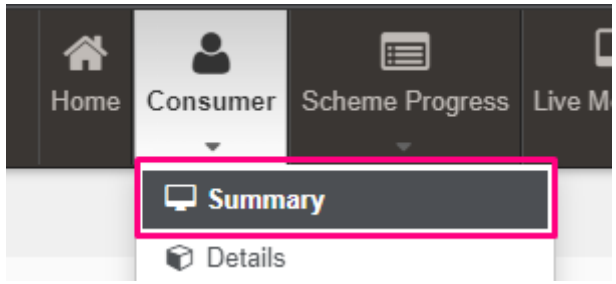
- Under the 'Consumer' tab title bar, there are two options in the drop-down menu. These options provide different views of application tracking and analysis.
- The first option is 'Summary' provides an overall Consumer Management Summary. This dashboard displays an organised flowchart which helps user to understand different stages of application processing and to view details about any specific EA if needed.

➢ Navigation Steps: -

4. Sign in on the State SEDM Portal
5. Click on the 'Consumer/Farmer' option on the Title Bar of the SEDM Portal Dashboard

6. Click on the ‘Summary’ option from the drop-down menu

➢ Go to Consumer and click on Summary



- Sign In >> Consumer >> Summary

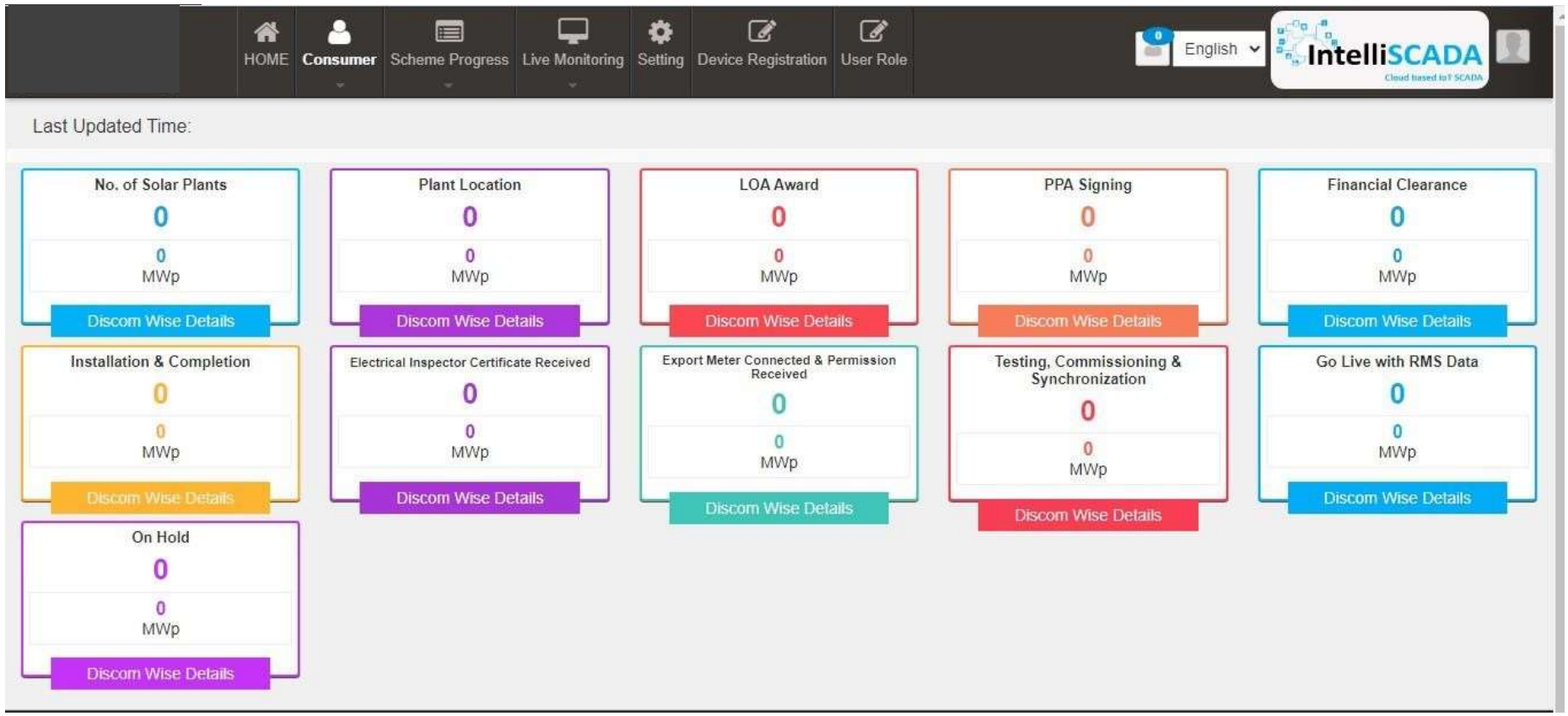
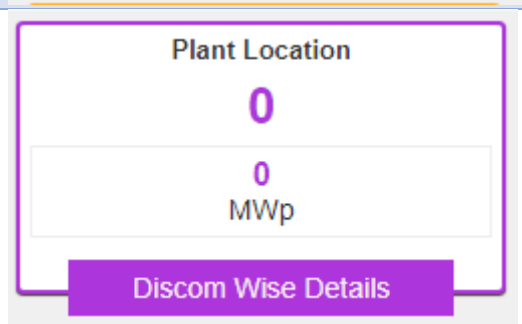
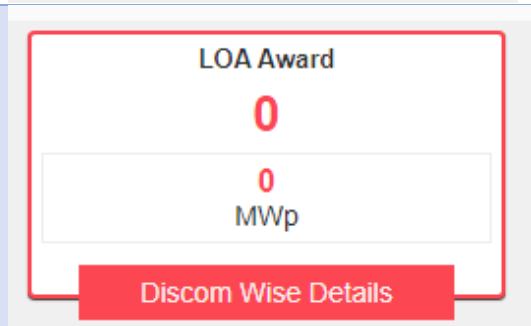


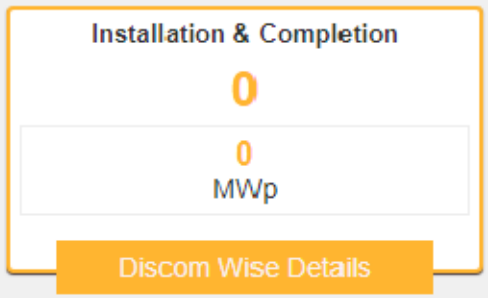
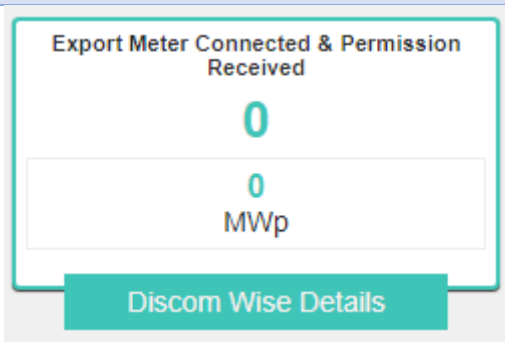
Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD

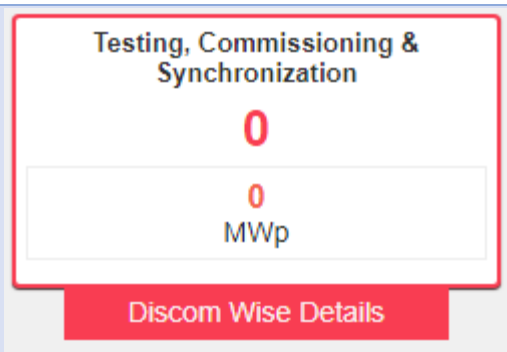
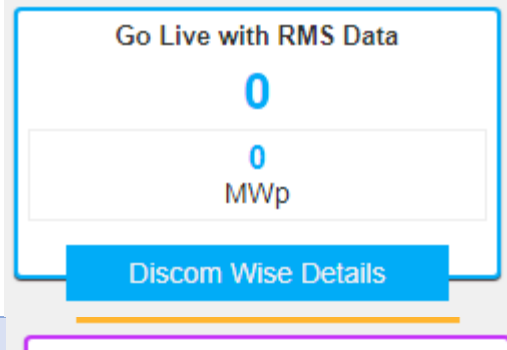
➢ Description of each and every coloured boxes of application status as shown in the above image

- Count of all application status will be incremented according to the status gets changed of the consumers/farmers by the authorized person.

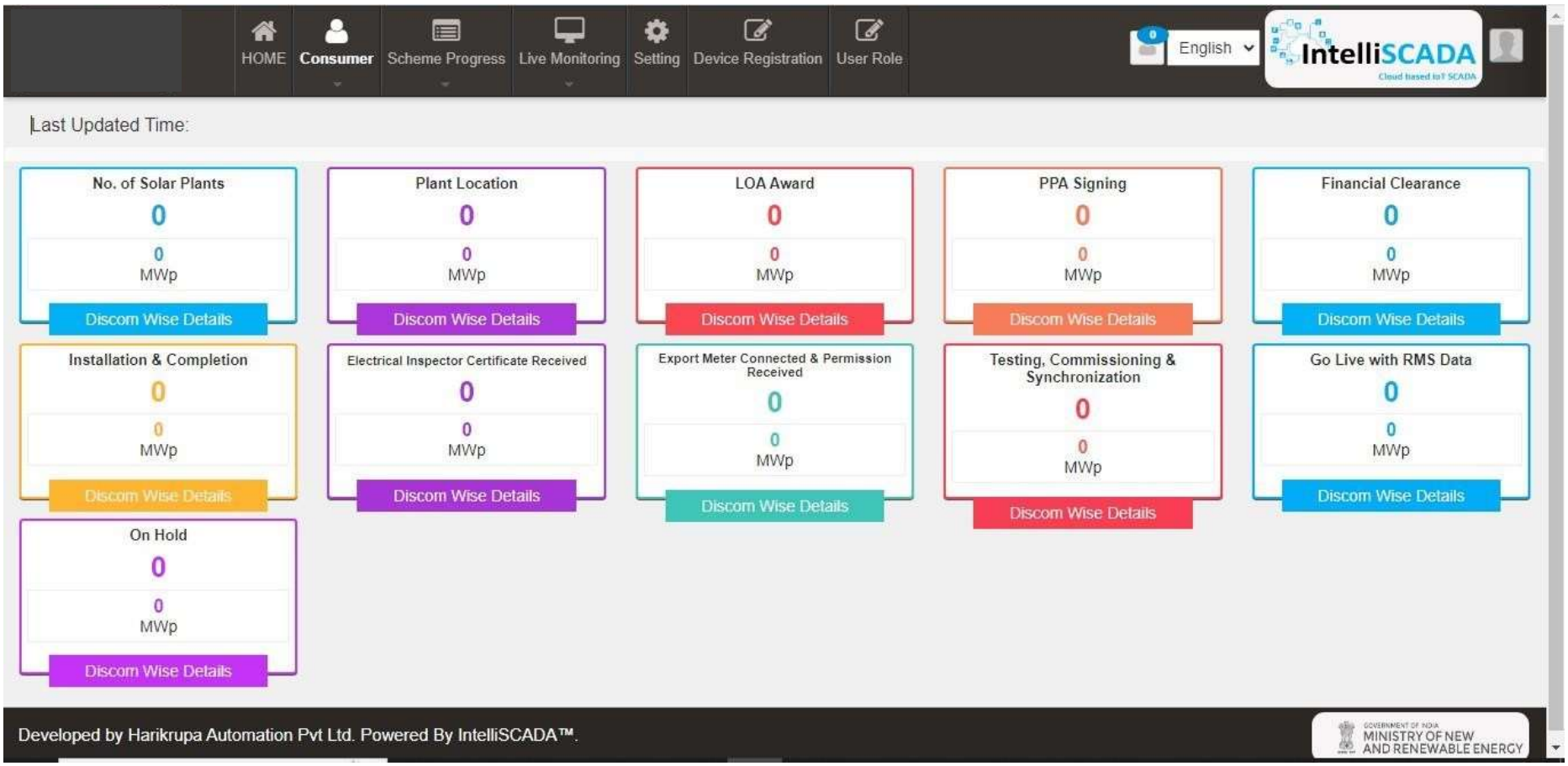
Table 29 SUMMARY EXPLAINATION

Status	Image	Description	Want to know how to change status? (Click Ctrl + Click)
No. of Solar Plants		It gives information about how many solar plants areplanted	
Plant Location		This gives us information about location of plant	
LOA Award		Selecting this Functionality will provide the access to update issue of LOA to the beneficiary/developer.	

PPA Signing		Selecting this Functionality will provide the access to update the PPA agreement between the developerand the DISCOM/SIA	
Financial Clearance		Selecting this Functionality will provide the access toupdate the Financial Clearance between beneficiary/developer and DISCOM/SIA	
Installation & Completion		This entry demonstrates that at which date solarplant is established	
Electrical Inspector Certificate Received		This entry demonstrates that inspection is done and district officer gets certificate	
Export Meter Connected & Permission Received		Meter is connected with plant and permission received .	

Testing, Commissioning & Synchronization		This functionality provides updates about testing, commissioning and synced data	
Go Live with RMS Data		Destric officer can get live data.	
On Hold		Application is on hold. When some condition not right and some data not math on condition.	

- There are several DISCOMs that a user can choose from (pointed out in below Figure 109), depending on their analytical requirement or data studying.



- Each box label has a suitable name given to it which signifies the step at which the application of a user has reached at. It also provides the statistical numbers for this information, along with total solar installation capacity in kilowatts peak (kWp) generated in Horsepower (HP), for allocated users.

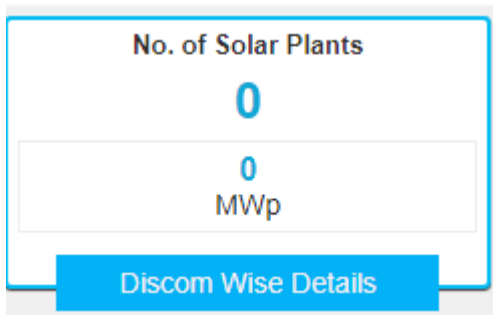


Figure 101 INDIVIDUAL APPLICATION STAGE

- To get more details for every sub-division, users can click on the 'Discom Wise Details' button in the label box. It will display the screen shown below in Figure 113 :

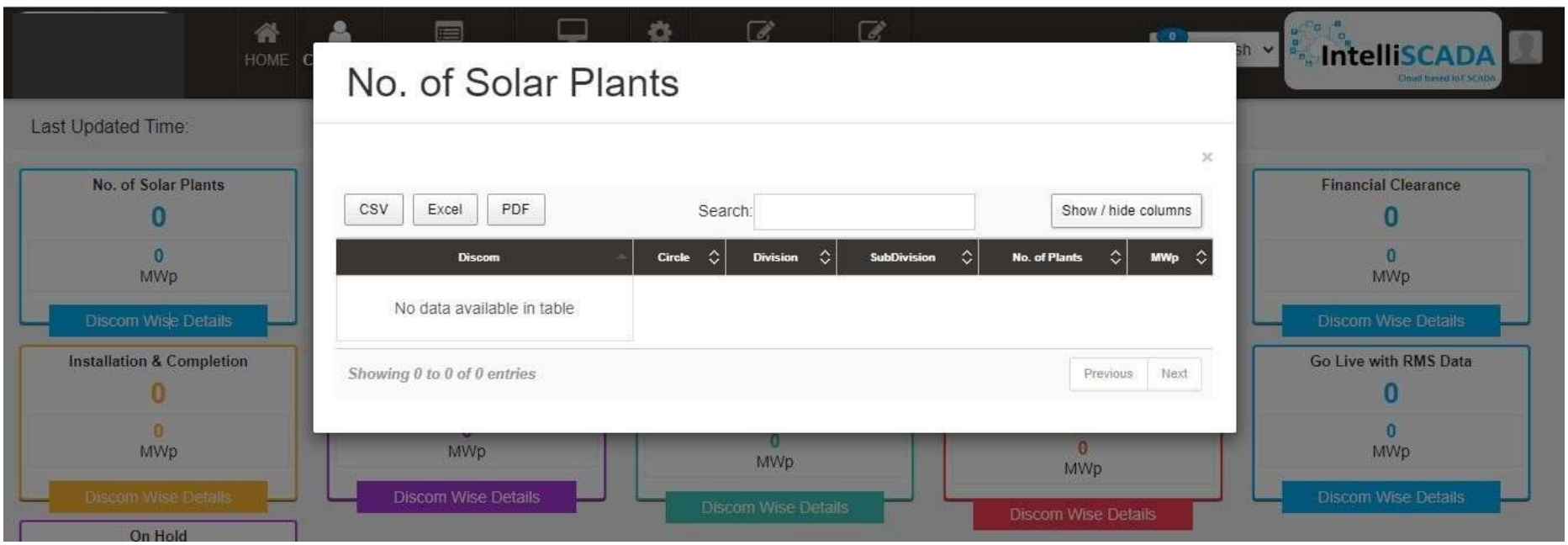


Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT

- In this table, users can choose to show or hide columns as per their preference by selecting 'Show / hide columns' button on top right corner.

- Additionally, users can search for their specific division or sub-division by inputting the relevant search query in the 'Search' dialogue box. (highlighted in red in below Figure 116)

15. SCHEME PROGRESS

- The Scheme Progress Module of SEDM portal helps the users to track the progress of application with detailed information, to understand the user role management, to search for bulk queries, and to generate reports including the progress status and application workflow.

➢ Navigation Steps: -

a. Sign in on the State SEDM Portal
b. Click on the 'Scheme Progress' option on the Title Bar of the SEDM Portal Dashboard

- Sign In >> Scheme Progress

- Below are the brief points covered under this module:

16. SCHEME PROGRESS REPORT

➢ Navigation Steps: -
1. Sign in on the State SEDM Portal
2. Click on the ‘Scheme Progress’ option on the Title Bar of the SEDM Portal Dashboard
3. Click on the ‘Reports’ option from the drop-down menu

- Sign In >> Scheme Progress >> MIS Reports
- With the Report feature in Scheme Progress Module on SEDM portal, the users can view and download various types ofreports based on the input parameters of the filters provided.

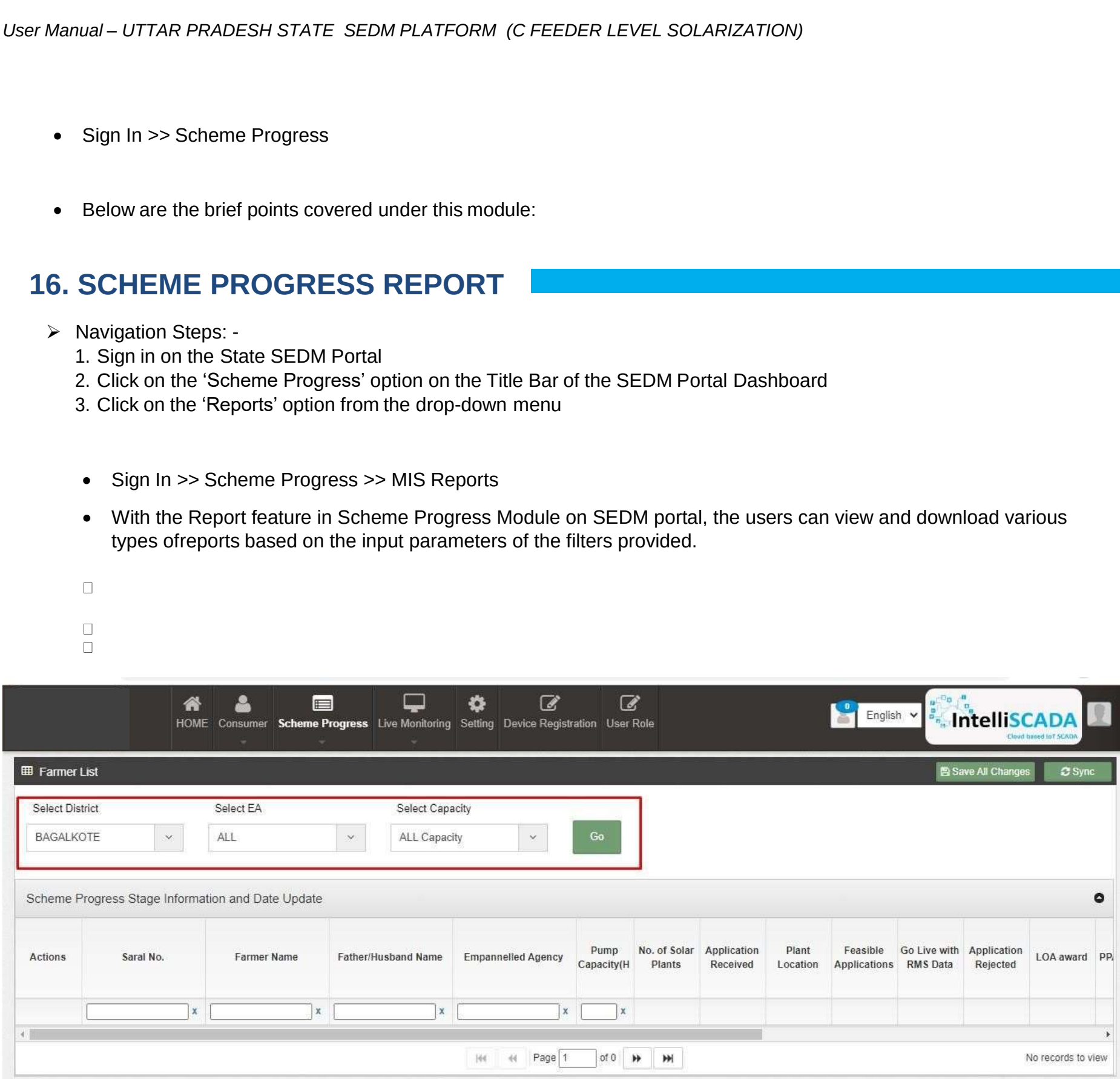


Figure 103 SCHEME PROGRESS/ DETAILS

- Different Types of Reports are:

➢ YEARLY PROGRESS SUMMARY

- **Yearly Progress Summary** to show PM-KUSUM scheme progress statistics with respect to years.
- The filter options provided to the users are :

- Select Empanelled Agency
- Select District
- Select Year
- Result Type
- Application Status Selection
- Select sanction

- **Tabular View**

Select Empanelled Agency: ALL | Select District: ALL | Select Year: 2021 | Result Type: No. Of Application

Select Status: Authentication, Site Survey Done, Applicant Contribution Received, Order placed to EA, Installation & Commission | GO | Tabular | Chart

Last Updated Time: 22-07-2021 01:01:44 *Uncategorized Records are Calculated As Per WaterFilled Pump Category.

CSV Excel Search:

Sr No.	Year	Month	Authentication	Site Survey Done	Applicant Contribution Received	Order placed to EA	Installation & Commission
1	2021	January	10	10	10	10	10
2	2021	February	42	42	24	24	20
3	2021	March	9	9	9	5	5
4	2021	April	20	15	15	13	5
5	2021	May	43	44	44	44	44
6	2021	June	35	35	30	25	20
7	2021	July	24	20	17	10	10
Total			183	175	149	131	114

Showing 1 to 7 of 7 entries

Figure 104 Yearly Progress Summary – Tabular view

- **Chart View**

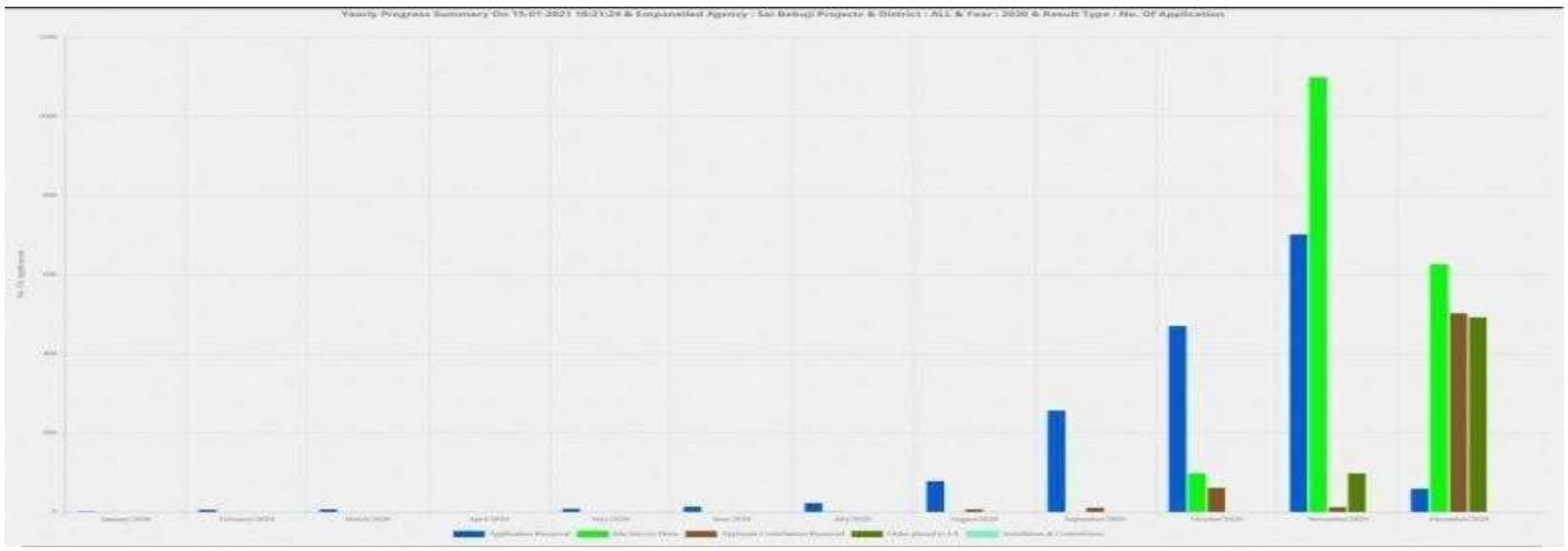


Figure 105 Yearly Progress Summary – Chart view

➢ DISTRICT/DISCOM PROGRESS SUMMARY

- **District / Discom Progress Summary** to show PM-KUSUM scheme progress statistics with respect to different districts of State.
- The filter options provided to the users are :
  - Select Empanelled agency
  - Result Type
  - Select capacity
  - Select sanction

- **Tabular View**

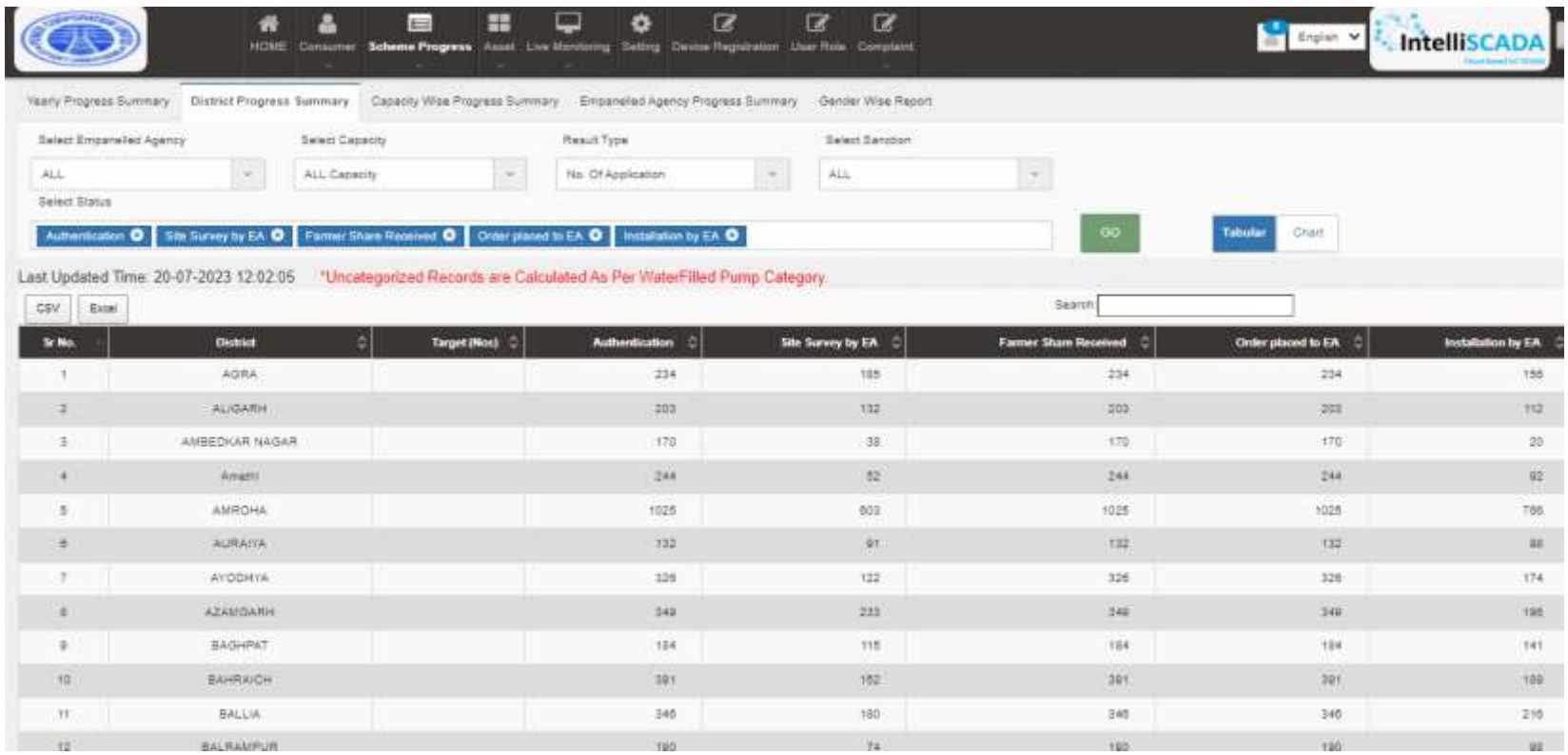


Figure 106 District Progress Summary- tabular view

- **Chart View**

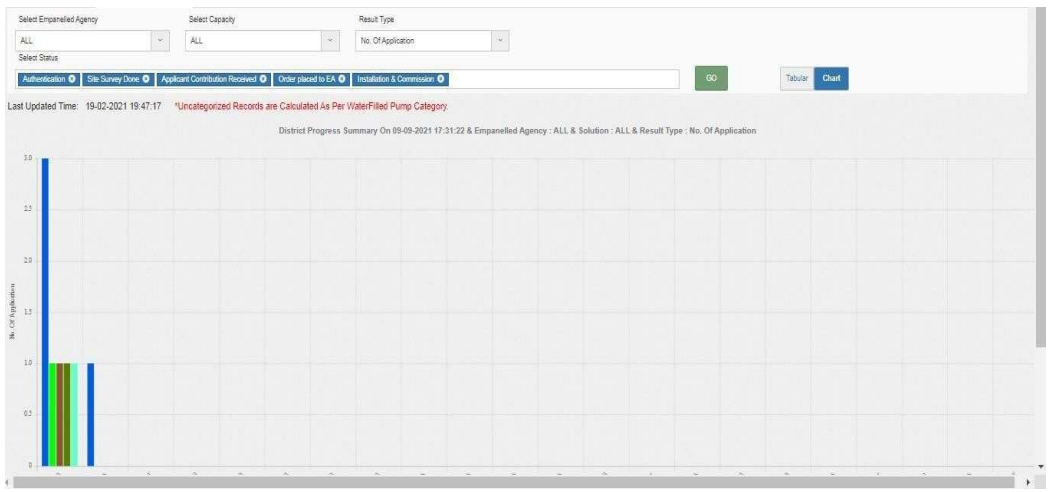


Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW

➢ SOLUTION WISE PROGRESS SUMMARY

- **Solution wise Progress Summary** to show PM-KUSUM scheme progress statistics with respect to pump.
- The filter options provided to the users are :

- Select Empanelled Agency
- Select District
- Select Pump Capacity
- Select pump type
  Select pump sub type
- Select pump category
- Select sanction
- Select status

- **Tabular View**

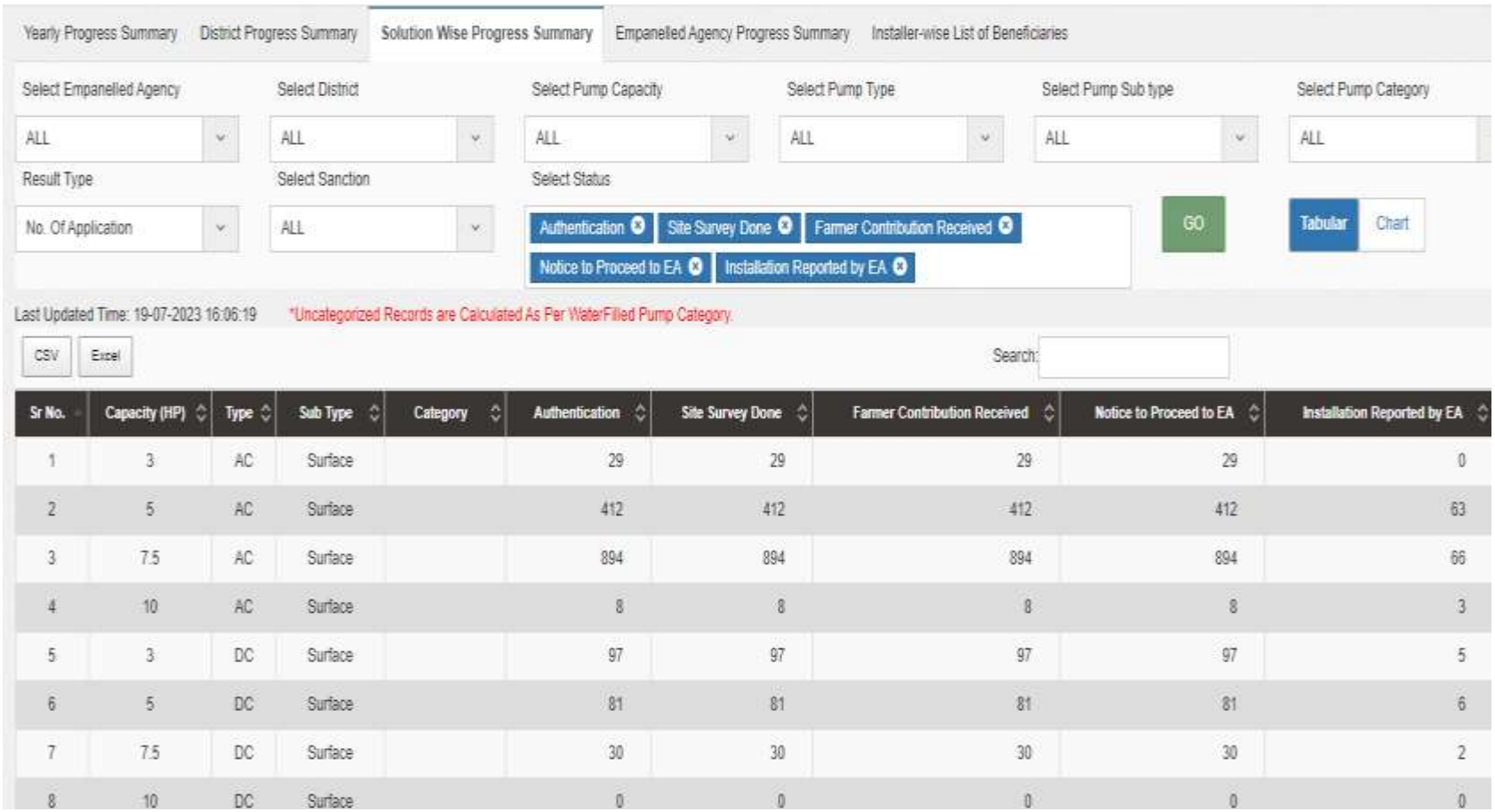


Figure 108 Tabular view of solution wise

- **Chart View**

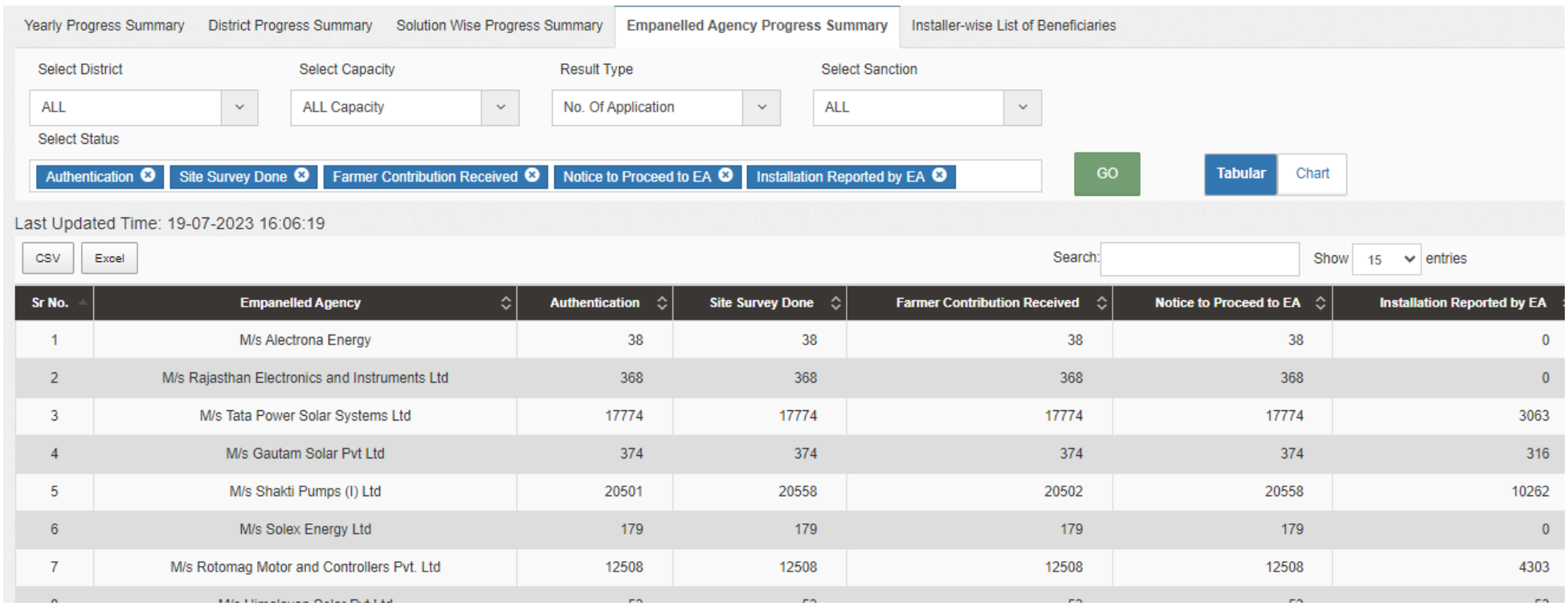


Figure 109 chart view solution wise

➢ EMPANELLED AGENCY PROGRESS SUMMARY

- **Empanelled Agency Progress Summary** to show PM-KUSUM scheme progress statistics with respect to Empanelled Agency.
- The filter options provided to the users are

- Select District
- Select Pump Capacity
- Result type
- Select sanction



Sr No.	Empanelled Agency	Authentication	Site Survey Done	Farmer Contribution Received	Notice to Proceed to EA	Installation Reported by EA
1	M/s Alectrona Energy	38	38	38	38	0
2	M/s Rajasthan Electronics and Instruments Ltd	368	368	368	368	0
3	M/s Tata Power Solar Systems Ltd	17774	17774	17774	17774	3063
4	M/s Gautam Solar Pvt Ltd	374	374	374	374	316
5	M/s Shakti Pumps (I) Ltd	20501	20558	20502	20558	10262
6	M/s Solex Energy Ltd	179	179	179	179	0
7	M/s Rotomag Motor and Controllers Pvt. Ltd	12508	12508	12508	12508	4303

Figure 110 tabular view Empanelled agency wise

- **chart View**

16.1 Chart view Empanelled Agency Wise

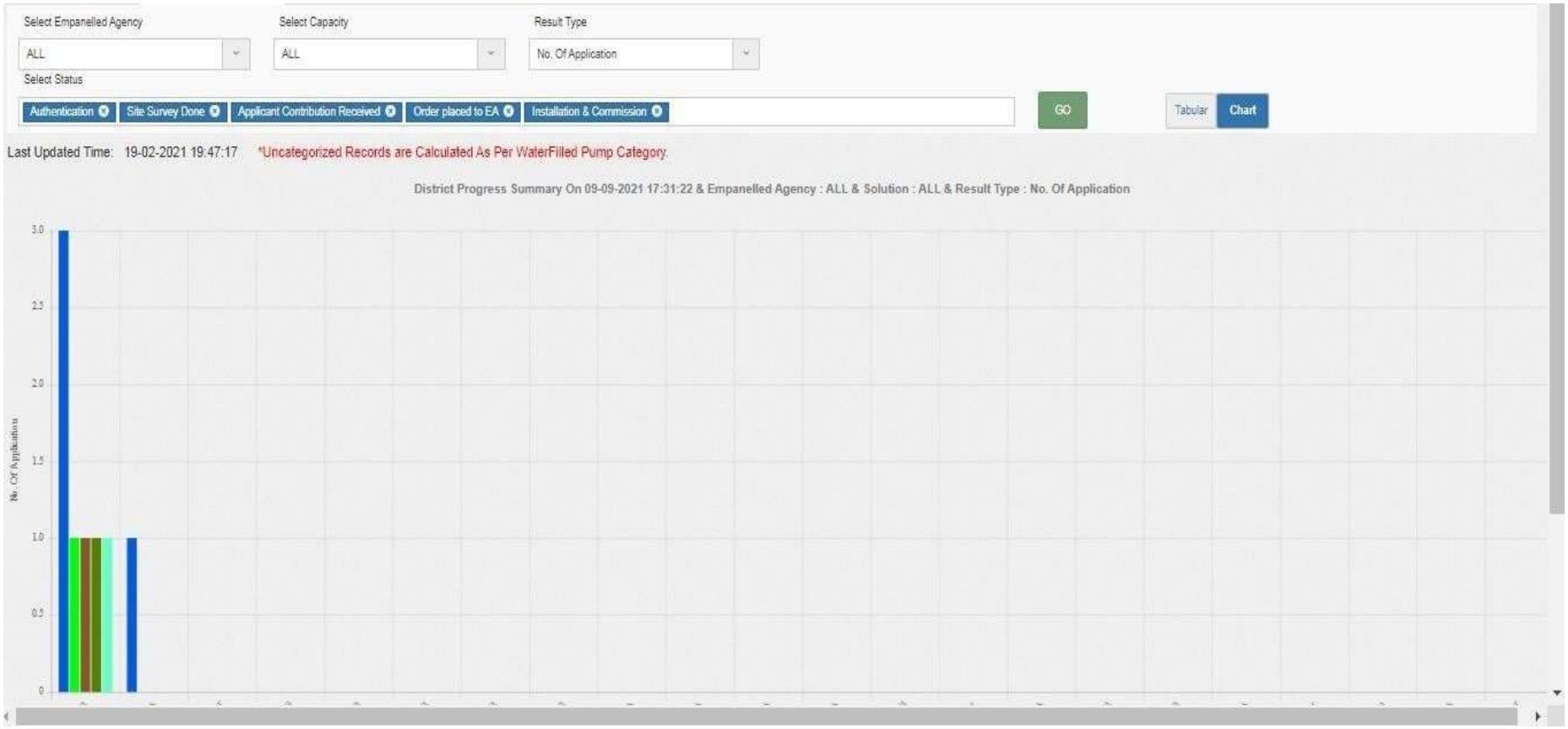


Figure 111 Chart view Empanelled agency wise

16.2 Installer wise list of beneficieries

Installer wise list of beneficieries to show PM-KUSUM scheme progress statistics with respect to Installer.
The filter options provided to the users are

Select Empanelled Agency
Sanction Select

Yearly Progress Summary | District Progress Summary | Solution Wise Progress Summary | Empanelled Agency Progress Summary | Installer-wise List of Beneficiaries

Select Empanelled Agency: ALL

Select Sanction: 2019-2020 (Sanction 1)

2019/01/01 - 2023/07/19 GO

CSV Excel Search: Show / hide columns

No.	Application No.	Empanelled Agency	Name of Beneficiary	Gender	Category	Mobile Number	Aadhar Authentication Status	Village of installation	District of installation	Latitude	Longitude	Required Pump	Pump Sub Type	Pump Capacity (HP)	SPV Modules Capacity in kWp	Pump Make
1	180117145258	M/s Rotomag Motor and Controllers Pvt. Ltd	Kesaram	Male	Farmer	9024545242	YES	Other	JAISALMER	27.3476761	71.1182151	DC	Submersible	5	4.8	Rotom Moto and Contr Priva Limit
2	180104980522	M/s Rotomag Motor and Controllers Pvt. Ltd	landslide	Male	Farmer	9828998955	YES	Other	JAISALMER	27.3118371	71.1162251	AC	Submersible	7.5	6.75	Rotom Moto and Contr Priva Limit
3	210350683239	M/s Tata Power Solar	SANTOSH DEVI	Male	Farmer	9987573067	YES		BIKANER	28.6020491	72.5321261	DC	Submersible	3	3	OSW PUM

Figure 112 tabular view Installer wise

16.3 Chart View Installer wise

16.3.1.1 Chart View

Figure 113 chart view Installer wise

17 SIGN OUT

- The users can log out or sign out from the State SEDM Portal by following 2 methods.
- Either by clicking onto the ‘User’ icon, present at the top right corner on the title bar of the SEDM Portal (pointed in below

Figure 123) and then selecting the option of ‘Logout’ (highlighted in red in below Figure 123).

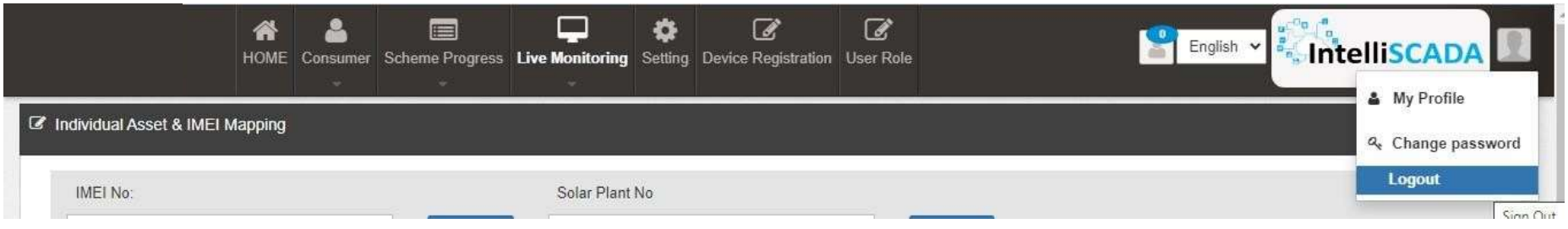


Figure 114 LOGOUT

- The second method is to first click onto the ‘Home’ page button on the title bar of the SEDM Portal (pointed in red in below Figure 124), and then on the Home Page selecting the option of ‘Sign Out’ present in the form of a blue coloured button on the top right corner of the page (highlighted in red in Figure 125)

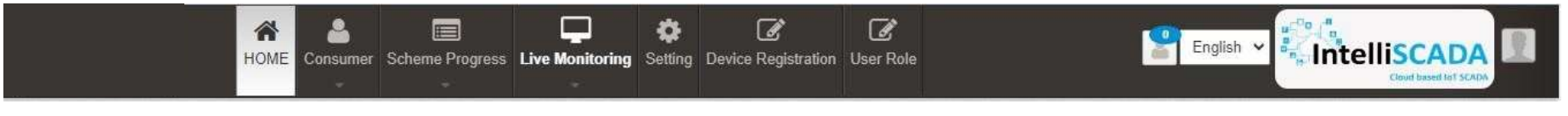


Figure 115 HOME SELECTED



Figure 116 SIGN OUT

18 SUPPORT TEAM CONTACT DETAILS

Email - HO[DOT]LUCKNOW[AT]UPBVN[DOT]ORG

ANNEXURE-I (IMEI NUMBER REGISTRATION)

IMEI NUMBER REGISTRATION

- Navigation Steps: -
  1. Sign in on the State SEDM Portal
  2. Click on the “Device Registration” option on the Title Bar of the SEDM Portal Dashboard



Figure 117 DEVICE REGISTRATION

- IMEI no. can be registered in two ways :
  - Bulk Registration of IMEI nos. by uploading CSV file.
  - Registration of single IMEI no.

➢ Bulk Registration of IMEI nos. by Uploading CSV file :

- To upload the CSV file for bulk registration of IMEI nos., EA user can download the format of CSV file by clicking on the “Download IMEI CSV File” blue button from the Device Registration dashboard. (highlighted in red in below Figure 127)



Figure 118 IMEI BULK UPLOAD

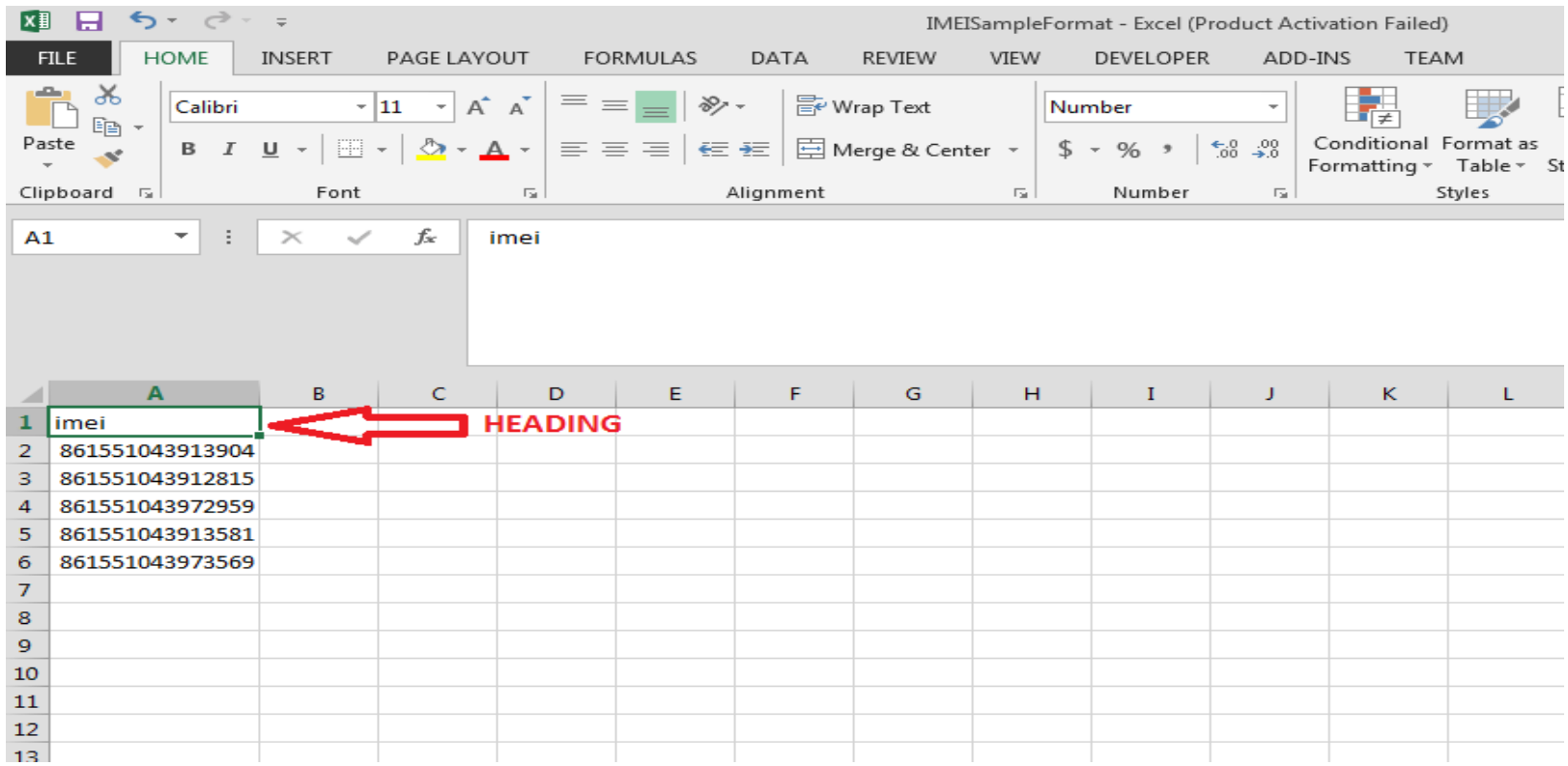


Figure 119 IMEI NO. CSV FORMAT

- The above image is the CSV file format of IMEI nos.
- EA user has to keep the heading “imei” as shown in the first row of CSV file and has to enter their own IMEI nos. starting from the 2nd row as shown in the above Figure 128.
- After creating the CSV file carrying IMEI nos., user has to click on the “Upload Device Registration” button as highlighted in blue in Figure 127: “IMEI bulk upload”.
- A window screen will appear to upload the CSV file carrying IMEI nos. as shown in below Figure 129.

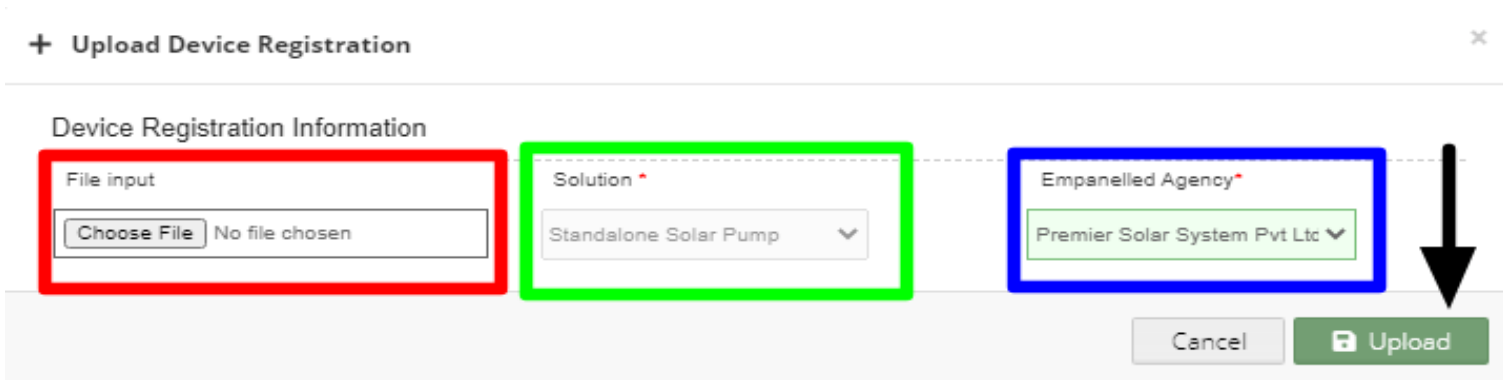


Figure 120 UPLOAD IMEI NO. CSV

- In above screen, EA user can upload IMEI csv file by clicking on the “Choose File” button. (highlighted in red in above Figure 129)
- The above screen arrives with the two filters which is by default selected i.e. “Solution” and “Empanelled Agency”
- EA user can see by default his Empanelled Agency name. (highlighted in blue in above Figure 129)

➢ Registration of single IMEI no.

- EA user can also register single IMEI no, manually by clicking on the “Add New Device Registration” button from the Device Registration Dashboard. (pointed in below Figure 130)

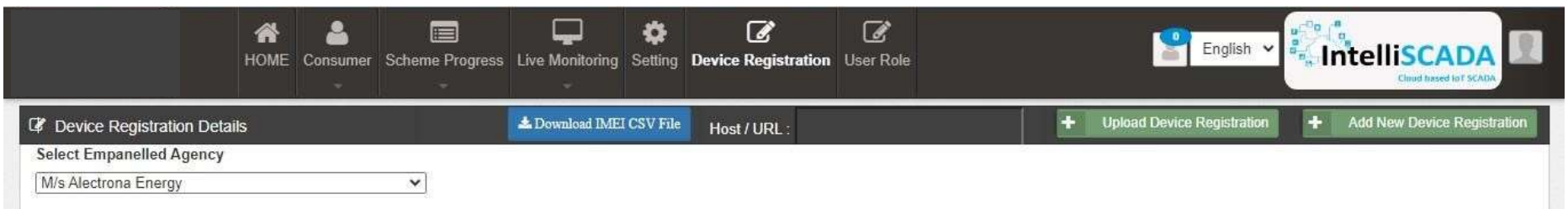


Figure 121 ADD NEW DEVICE REGISTRATION BUTTON

- When EA user will click on the “Add New Device Registration” button, a window screen will appear to enter the 15 digit IMEI no. (as shown in below Figure 131)
- When the user select “Is Password” option (highlighted in red in below Figure 131), it will generate the SSL certificates in the Device Registration dashboard, if not selected then it won’t generate the certificates.

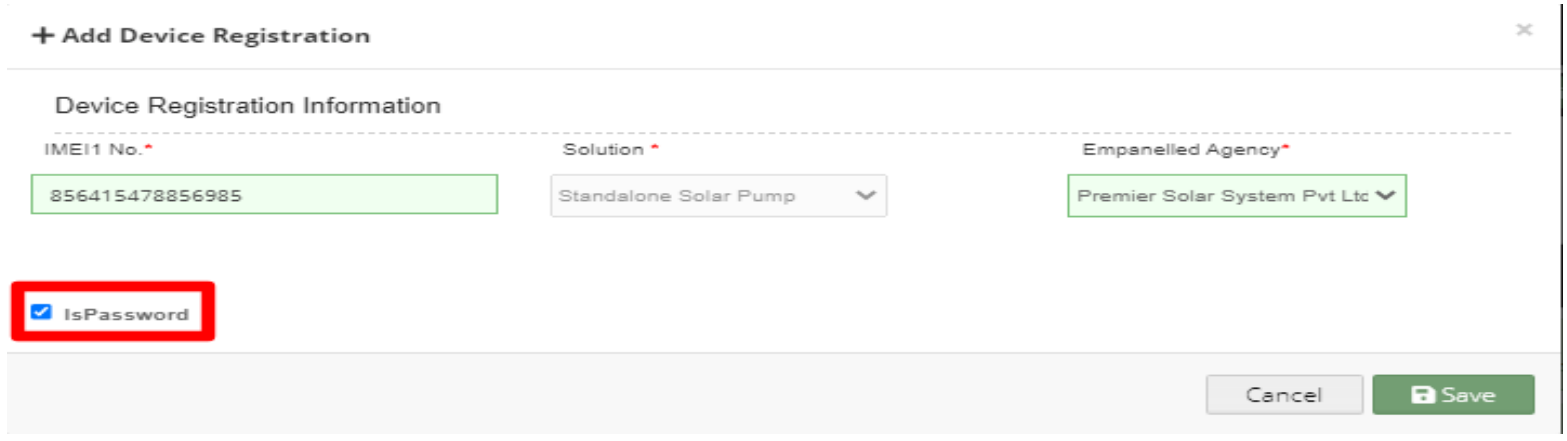


Figure 122 ADD DEVICE REGISTRATION

- After entering IMEI no., user has to click on the save button and IMEI no. will be registered on the portal and is ready to map with necessary consumer/farm18er.

Disclaimer

- Nothing in this report constitutes a valuation or legal advice.
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