USER MANUAL

PM-KUSUM: Jammu & Kashmir State Solar Energy Data Management Platform (Component – B)



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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 | Printed 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 |
| НО | Head Office |

TABLE 2 URL LINKS

| Module | URL link |
|-------------------------|---|
| PMKUSUM Web Application | https://pmkusum.jk.gov.in/JK/landing.html |
| 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 |
|---------|--------------------|-------------|
| 1.1 | 28-Mar-2023 | ARTI VYAS |
| | | |

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 34,035 Crore 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 size up 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.

| | edaiatijkidotigovidotiin «I member log Installers track application imp | IN ≪) INSTALLER LOGIN English ♥ ORTANT DOCUMENTS CONTACT US PUEL | LC INFORMATION+ COMPLAINT REGIST | Tration Farmer registration | |
|------------------------------|--|---|----------------------------------|--|--|
| Comp | onent A | Compor | nent B | Compon | ent C |
| Total Solar Plants Installed | Total Solar Capacity (MW) | Total Standalone Pumps Installed | Total Solar Capacity (MW) | Total Grid Connected Pumps Solarized | Total Solar Capacity (MV |
| | | | | | |
| District V | Vise Details | District Wis | e Details | District Wise | Details |
| | | | | Component A : - Component B : - Component C : - District Wis | e Details |
| A CONTRACTOR | | | | Total Carbon Footpri Component A : - Component B : - Component C : - | nt Reduced (Tons) |
| | ATT I STATE OF I | CONSTRUCTION OF A | | inter Autom | and the second |

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.

FREQUENTLY ASKED QUESTIONS

1. What are the different kind of systems supported under PM-KUSUM Scheme?

- PM-KUSUM Scheme supports three different kind of installations, known as three components of the Scheme as given below:
- i. Component-A: Setting up of decentralized ground/ stilt mounted grid connected solar or other renewable energy based power plants up to 2 MW capacity
- ii. Component-B: Installation of stand-alone solar agriculture pumps of capacity up to 7.5 HP
- iii. Component-C: Solarisation of existing grid connected agriculture pumps of capacity up to 7.5 HP

| 2. What is Component-A of PM-KUSUM Scheme? | + |
|--|---|
| 3. Who is eligible under Component-A of PM-KUSUM Scheme? | + |
| 4. Who will purchase the generated electricity? | + |
| 5. Can farmers lease their land for the development of renewable energy power plant under Component-A? | + |
| 6. What kind of financial support is available under Component-A of the Scheme? | + |
| 7. What is Component-B of PM-KUSUM Scheme? | + |
| 8. Who is eligible under component B of PM-KUSUM? | + |
| g. Is there any subsidy for the installation of solar pump? | + |
| 10. What is Component-C of PM-KUSUM Scheme? | + |
| 11. Who is eligible under component C of PM-KUSUM? | + |
| 12. Is there any subsidy for the installation of solarisation of pump? | + |
| 13. Who is eligible under Component-A of PM-KUSUM Scheme? | + |
| 14. Is there any subsidy for the installation of solarisation of pump? | + |
| 15. Where can I get more information about the Scheme? | + |

FIGURE 2 FREQUENTLY ASKED QUESTIONS (FAQS)

• 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 3.

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 Component B District Wise Details the blue box), which will generate a detailed report in tabular form.(refer Figure 5)

| Component B | | | | | |
|----------------------------------|---------------------------|--|--|--|--|
| Total Standalone Pumps Installed | Total Solar Capacity (MW) | | | | |
| - | - | | | | |
| District Wise Details | | | | | |



FIGURE 4 COMPONENT – B DISTRICT WISE DETAILS

| | | | × | | | | |
|----------|-------------------------------------|------------------------------|---|--|--|--|--|
| | Component B | | | | | | |
| District | Total Standalone Pumps Installed | Total Solar Capacity (MW) | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | Ŧ | | | | |

FIGURE 5 PM-KUSUM COMPONENT - B 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.
- "INSTALLERS" tab will give the details of all Empanelled Agency who has been empanelled by SIA for supply of standalone solar pumps. (as shown in the below Figure 6)

| ASSAMRENEWABLEJATJGMAIL[DOT]C Home natallers trac: Complaint registration Pue | OM SIMEMBI K APPLICATION BLIC INFORMATION | ER LOGIN 40 INSTALLER LO IMPORTANT DOCUMENTS | DGIN English V contact us 🔍 fa | e? FARMER REGISTRATI | ON | NDTR SHRIFT OCCURENT OF MARK |
|---|---|---|-----------------------------------|----------------------|---------|---------------------------------|
| COMPONENT-A | | | COMPONENT-B | | COMPONE | NT-C |
| | | | | | | |

ils of Agency Under PM-KUSUM Cor

| Sr.No. | Empanelled Agencies Name | Contact Person | Email Address | Phone | |
|--------|-------------------------------------|----------------------|--------------------------------------|---------------------------|--|
| 1 | VTECH SUNSYSTEMS PVT. LTD. | Sh. Pankaj Agrawal | vtech.sunsystems@gmail.com | 9372032323 | |
| 2 | | Sh. Arnit Srivastava | arpit.srivastava@tatapowersolar.com, | 8826011966 | |
| - | | | info.solar@tatapower.com | 0120-6102143 | |
| 2 | | Sh. Shrikant Soni | tandar@wmanarmy.com | 9099907645 | |
| 5 | | | tentengergenergy.com | 02827-287510 | |
| | ROTOMAG MOTORS & CONTROLS PVT. LTD. | | raghav@rotosol.solar | | |
| 4 | | Smt. Neelam Balani | sachin.mulay@rotosol.solar | 9814375861, 9227110023 | |
| | | | tenders@rotosol.solar | | |
| 5 | | Sh Nagondra Singh | abhisheksolarenergy@yahoo.co.in | 9924202424 | |
| · | | on. Nagenura olingii | info@abhishkesolar.com | 0004000421 | |
| 6 | ISHAAN SOLAR POWER PRIVATE LIMITED | Sh. Manjunath NA | mailto:andarc@sunarlisoninfra.com | 9743330914 | |
| · | | on manjunaar nes | mano any agampai ani matom | 044-43405950 | |

Empanelled Agencies for Solar Pumps

| As per ten | As per tenders by M/s EESL and MNRE's Allotment, the eligible Empanelled Agencies (Vendors) for Solar Pump, under different categories are as under: | | | | | | | |
|--|--|--|---|-------------------------------------|--|--|--|--|
| Sr. No. | Tender No | Name of Agency Empanelled for Solar pump | Capacity wise Details | Pump wise Details | | | | |
| | EE SU/02/2019. 2018/1 SUM/SMD S/Disses. 4/404D/OFF Grid/492042020 | VIECH SUNSYSTEMS DVT I TO | Submersible Pumps (Water Filled Motors) | 1HP DC,2HP DC, 3HP DC, | | | | |
| · | EESLINK2013-20IR0 SUM SWP SIPIRSE-1/10HP/OIT GR0/1320/2030 VIECH SUNST | VIECH SUNST STEMST VI. EID. | Surface Pumps | 1HP DC,2HP DC, 3HP DC, | | | | |
| 2 | | | Submersible Pumps (Water Filled Motors) | 1HP DC,2HP DC, 3HP DC, 3HP DC USPC | | | | |
| - | | | Surface Pumps | 1HP DC,2HP DC, 3HP DC, 3 HP DC USPC | | | | |
| 2 | EE SU/02/2019.20/KU SUM/SWD S/Dises.4/40UD/OFF Crid/492042022 | | Submersible Pumps (Water Filled Motors) | 2HP DC, 3HP DC, 3 HP DC USPC | | | | |
| | | | Surface Pumps | 3HP DC,3HP DC USPC | | | | |
| | EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192012033 ROTOMAG MOTORS & CONTROLS PVT. LTD. | | Submersible Pumps (Water Filled Motors) | - | | | | |
| - | | | Surface Pumps | 2HP DC,3HP DC,3HP DC USPC | | | | |
| 5 | EE SI (02/2049 2018) INI SIND SIDESEE AMOUD/OFF CHARGE042024 | | Submersible Pumps (Water Filled Motors) | 3HP DC | | | | |
| 5 | | | Surface Pumps | - | | | | |
| | | | Submersible Pumps (Water Filled Motors) | - | | | | |
| 6 EESL/06/2019-20/KU/SUM/SWP/S/Phase-1/10HP/Off/Grid/192012035 | | Surface Pumps | 1HP DC,2HP DC | | | | | |

FIGURE 6 INSTALLERS

"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)

| | CASSAMRENEWABLE[AT]GM/ HOME INSTALLERS | AIL[DOT]COM •) MEME | BER LOGIN +) IN STALLER LOGIN Engl Important documents contact us | ISH ♥ I FAQ7 FARME COMPLA | R REGISTRATION | opra sector operations: crasses |
|--|--|---------------------|--|---------------------------------|----------------|------------------------------------|
| | COMPONENT-A | | COMPONENT-B | | | COMPONENT-C |
| Application No Track your application b | y entering your Application No. and Consur | Consumer Mobile No | Sear | ch | | |
| | | | FIGURE 7 TRACK APPLICA | TION | | |
| | | | Consumer Mobile No | | Search | |

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.

| Sch App Mot | Scheme Progress Of: U. Krishnamoorthy Application No: PM KUSUM/102 Mobile No: 8903159375 | | | | | |
|-------------------|--|------------|--|--|--|--|
| Sr No. | Status | Date | | | | |
| 1 | Application Received | 14-07-2021 | | | | |
| 2 | Site Survey Done | 15-07-2021 | | | | |
| 3 | Feasible Application | 15-07-2021 | | | | |
| 4 | Applicant Contribution Received | 02-08-2021 | | | | |
| 5 | Order placed to EA | 05-08-2021 | | | | |
| 6 | Lot & Doc. Creation by EA | | | | | |
| 7 | Lot & Doc. Verified | | | | | |
| 8 | PreDispatch Inspection | | | | | |
| 9 | Dispatched | | | | | |
| 10 | Installation & Commission | | | | | |
| 11 | I & C Verification | | | | | |
| 12 | SFA Released | | | | | |
| 13 | CFA Released | | | | | |
| 14 | Application Rejected | | | | | |
| 15 | On Hold | | | | | |

FIGURE 9 TRACK APPLICATION REPORT

- "NOTICE" tab displays list of notices related to PM KUSUM scheme. (as shown in Figure 10)
- Uploaded Notices can be taken out manually.



| COMPONENT-A | COMPONENT-B | COMPONENT-C | | |
|---|---|-------------|--|--|
| | | | | |
| List of application received on State portal PM-KUS | 5UM-B 30.9.20 | | | |
| List of application received on State portal PM-KUS | List of application received on State portal PM-KUSUM-B 3110.20 | | | |
| List of application received on State portal PM-KUS | GUM-B 311120 | | | |
| | | | | |
| | FIGURE 10 NOTICE | | | |

- "IMPORTANT DOCUMENTS" tab displays list of documents that are vital for the PM KUSUM scheme. (as shown in Figure 11)
 - Uploaded Documents can be taken out manually.

| | ASSAMRENEWABLE[AT]GMAIL[DOT]COM Home installers track appli Farmer registration complaint | MEMBER LOGIN INSTALLER LOGIN English V CATION IMPORTANT DOCUMENTS CONTACT US FAQ? REGISTRATION PUBLIC INFORMATION* | यमन उनकात जिल्लाम्बर प्रत्यालयका (? ASSN |
|---------------------------|---|--|--|
| COMPONENT A | | COMPONENT B | COMPONENT C |
| Guidelines and Empaneller | d Vendor list can be obtained from the web link | | |



> "CONTACT US" tab displays list of all Nodal officers of Districts for PM KUSUM Component-B. (as shown in Figure 12)

| SASSAMRENEWABLE[AT]GMAI HOME INSTALLERS FARMER REGISTRATION | IL[DOT]COM MEMBER LO TRACK APPLICATION COMPLAINT REGISTRAT | DGIN INSTALLER LOGIN IMPORTANT DOCUMENTS ION PUBLIC INFORMATI | English V CONTACT US | FAQ? | | অসম চৰকাৰ ভূতি তসকালকা старом | |
|---|--|---|-------------------------|------|-------------|-------------------------------------|--|
| COMPONENT A | | COMPO | DNENT B | | COMPONENT C | | |

List of District Nodal Officers for PM-KUSUM Component-B

| Sr. No. | Name of District | Name of Nodal Officer | Designation | Contact Number | Email Address | |
|---------|------------------------|---------------------------|---------------------------|-------------------------------------|--------------------------|--|
| | All Dictricts of Assum | Hemanga Deka Scientific O | | scientific Officer 9678685515 assam | | |
| 1 | All Districts of Assam | Kabyashree Dutta | Junior Scientific Officer | 7896817492 | assamrenewable@gmail.com | |



FIGURE 12 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 13)

| Role | Login Option |
|-------------------|-----------------|
| Head Officer | |
| District Officer | MEMBER LOGIN |
| Empanelled Agency | INSTALLER LOGIN |

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



FIGURE 13 SIGN IN PAGE

- 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 <u>User Role</u> for more details)
- •



Member Login pop-up for State Implementing Agency



Installer Login pop-up for Empanelled Agency

FIGURE 14 SIGN IN SCREENS

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 15 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 15 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 16) 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

| # Home | Consumer Scheme Progress | set Live Monitoring Perform | nance Setting Device Registration | User Role Complaint | | |
|-----------|--|--|---|---------------------|-----------------------------|-----|
| | | Асшауы | 0 | | My Profile | |
| | My Profile | | | | a _e Change passw | brd |
| | | User Name | SuperAdmin | | Logout | |
| | | A First Name | Venkatesh | | | |
| | | Last Name | Soma | | | |
| | | 🔛 Email | soma@gmail.com | | | |
| | | C Phone Number | 9899544787 | | | |
| | | Department | | | | |
| | | Department Role | SuperAdmin | | | |
| | | Access Type | Only Portal | | | |
| | | User F | Rights | | | |
| | | Consu | imer | | | |
| | Aadhar Authenticate Farmer Share Update Delete Farmer Download District Survey Summary | Accept / Reject / Add Farmer Download Install Report(PCR) | Hold - Order to EA Upd - Update Farmer ation - Upload Consum - Download Data | ate er CSV | | |

| | scheme Progress | |
|--|---|---|
| Farmer Share Update By CSV Bulk Progress Update | Site Survey Update By CSV Scheme Progress Details Update | - Order to EA Update By CSV |
| | Site Survey | |
| - Add Site Survey | | |
| | Asset | |
| - Add Asset Test Report - Create Lot | - Update Test Report - Update Asset Serial No | Delete Test Report Update Checklist & Document Submit |
| Update Document Verification Asset And IMEI Bulk Mapping I&C Update | Update Pre Dispatch Inspection Asset Mapping Installation Verification by SNA | - Update Dispatch - IMEI Mapping - Upload Installation Report by |
| - Insurance Update & Upload | - Asset Unmapping | - Delete Lot |
| | Live Monitoring | |
| - Dashboard | - Consumer Monitoring | |
| | Performance Analysis | |
| Performance Analysis View | | |
| | Setting | |
| - Tender - System Integrator - EA Store Sub Location - Tender Checklist - Insurance Details - Audit | State Implementing Agency EA Rate Card Manufacturer Tender CheckList Detail Asset Type Site Inspection Details | Empamelled Agncy EA Service Center Product PBG Status Asset Status Complaint SLA |
| - Upload Device Registration | Device Registration - Add New Device Registration | |
| | Complaint | |
| - Dashboard Complaint - Complaint Acknowledged | - Complaint Report - Ticket ReAssigned | - Add Complaint - Ticket ReAllocated |

FIGURE 16 USER PROFILE INFORMATION BOX

User Manual – Jammu and Kashmir State SEDM Platform (Component – B)

- 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 details.

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

| A Home | ner Scheme Progress Asset Live Monitoring Performance Setting Device User Complaint | |
|-----------|---|--------------------------|
| | Analysis Registration Role | 🎍 My Profile |
| | | 4 Change password |
| | ange Password | Logout |
| | Enter Your Current Password | |
| | ۲ | |
| | Enter Your New Password | |
| | ۲ | |
| | Must contain 1 or more lowercasw Character Must contain 1 or more uppercase Character Must contain 1 numeber Must contain 1 Special Character Must be 3 Character | |
| | Confirm Your New Password | |
| | | |
| | Change Password | |
| | | |
| | | |
| | | |

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) & EMPANELLED AGENCY (EA)

- 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
 - Asset
 - Live Monitoring
 - Performance Analysis
 - Setting
 - Device Registration
 - User Role
 - Complaint



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 EMPANELLED AGENCY (EA)

- Super Admin can register New Empanelled Agency by clicking on "Empanelled Agency" tab as pointed in below Figure 20.
- Empanelled Agencies registered with National SEDM Platform (<u>https://pmkusum.mnre.gov.in</u>) can only be registered in State SEDM Platform.
- Contact Support Team to get in touch with MNRE.
- ➢ Navigation Step :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the Setting Module
 - 3. Click on Empanelled Agency Tab



FIGURE 20 EMPANELLED AGENCY TAB

| | А НОМЕ | Consume | r Scheme Prog | Jress Asset Liv | ve Monitoring | Setting Device | Registration Us | Ser Role Con | g nplaint | | P | English 🗸 | Intell | |
|--|------------------|---------|--|---|---------------|----------------|-----------------|--------------------------|-------------------------------------|---|-------------|-------------|---------------|-------------|
| State Implementing Agency | | Empane | lled Agency | | | | | | | Dele | te 🕇 Add En | panelled Ag | ency 😂 Sync E | Data Export |
| Empanelled Agency | | Search: | | | | | | | | | | | Show 100 | ✓ entries ▲ |
| System Integrator | | Select | Empanelled Agency Name | Address 🗘 | City 🗘 | State 🗘 | District 🗘 | Contact Person | Designation of Contact Person | E-mail ID 🗘 | Phone 🗘 | MSME 🗘 | PAN No. 💠 | GST No |
| Knowledge Center - SEDM Knowledge Center - PMKUSUM Important Document Sanction | | | M/s Ethos Power Pvt. Ltd | 121-123, 1st Floor, DLF Star Tower, NH- 8,Sector-30, Gurugram, Gurgaon, Haryana, | Gurugram | HARYANA | GURUGRAM | Mr. Sandeep Mann | Director | sandeep[dot]mann[at]ethospower[dot]in | 7617282828 | No | AACCE9507D | 08AACCE95(|
| C Tender | | | M/s Rajasthan Electronics and Instruments Ltd | 2, Kanakpura Industrial Area, Sirsi Road | Jaipur | RAJASTHAN | JAIPUR | Sanjay Charan | Manager | sanjay[dot]charan[at]reil[dot]co[dot]in | 7727011729 | No | AABCR1528G | 08AABCR15 |
| Product Tender Checklist Tender Checklist Detail | | | M/s VRG Energy India Pvt. Ltd | Plot No. G- 2832 Road- J opp-Jyoti CNC Automation Almighty Gate-2 G. I. D. C. | Rajkot | GUJARAT | RAJKOT | Mr. Krishan Sharma | Project Manager | rajasthan[at]vrgenergy[dot]com | 7227047478 | No | AADCV5189M | 24AADCV51I |

FIGURE 21 EMPANELLED AGENCY TAB DASHBOARD

Table 4 EMPANELLED AGENCY DASHBOARD DESCRIPTION

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

| Α | В | С | D | E | F | G | Н | 1 | J | K | L | М | N | 0 | Р | Q | R | S | Т |
|--------|-------------|------------|-----------|----------|----------|------------|-----------|---------------|----------|------|----------|----------|-----------|-------------|------------|-----------|------------|----------|---|
| Select | Empanelle | Address | City | State | District | Contact Pe | Designati | E-mail ID | Phone | MSME | PAN No. | GST No. | Date of A | EDate of su | Remarks | Is Agency | National S | ync Date | |
| | M/s Ethos | 121-123, 1 | Gurugram | HARYANA | GURUGRA | Mr. Sande | Director | sandeep[| 7.62E+09 | No | AACCE950 | 06AACCE9 | 2021-11-2 | 2021-11-2 | Editsyncch | Yes | ######### | | |
| | M/s Rajast | 2, Kanakp | Jaipur | RAJASTHA | JAIPUR | Sanjay Ch | Manager | sanjay[do | 7.73E+09 | No | AABCR152 | 08AABCR1 | 2021-11-2 | 2021-11-2 | р | Yes | ########## | | |
| | M/s VRG E | Plot No. 6 | Rajkot | GUJARAT | RAJKOT | Mr. Krisha | Project M | rajasthan[| 7.23E+09 | No | AADCV51 | 24AADCVS | 2021-11-2 | 2 2021-11-2 | ok | Yes | ***** | | |
| | Sri Savitir | Plot No. 3 | Hyderaba | TELANGA | RANGA RE | Sudhir Kai | Dy. Gener | r skgir[at]sr | 9.95E+09 | No | AAQCS08 | 36AAQCS0 | 2021-11-3 | 2021-11-2 | 3T00:00:00 | Yes | ######### | | |
| | Tata Powe | No. 43/44 | Bengaluru | KARNATA | BENGALU | Mr. Arpit | HEAD- PU | arpit[dot] | 8.83E+09 | No | AAACT466 | 29AAACT4 | 2021-12-0 | 2021-11-1 | 6Т00:00:00 | Yes | ***** | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

FIGURE 22 CSV OF EMPANELLED AGENCY DETAILS

• User can register new Empanelled Agency by clicking on "Add Empanelled Agency" button. (highlighted in red in Figure 21)

| Empanelled Agency Name * | State • | | District, * |
|---------------------------------|-----------------------------|----|------------------|
| Please Select | - | \$ | - ‡ |
| City * | Address * | | Contact Person * |
| City | Address | | Contact Person |
| Designation of Contact Person • | Phone * | | PAN No. * |
| Designation of Contact Person | Phone | | Pan No. |
| GST No. * | E-mail ID | | |
| GST No. | Email Id | | |
| Date Of Agreement * | Date of Submission of CPG * | | Remarks |
| 29/03/2023 | 29/03/2023 | 0 | Remarks |

FIGURE 23 NEW EMPANELLED AGENCY DETAILS

Table 5 EMPANELLED AGENCY REGISTRATION FIELDS DESCRIPTION

| Field | Input | Drop Down | Mandatory | Sample | Descriptio | Validations |
|-------|-------|-----------|-----------|--------|------------|-------------|
| | | Options | Field | Values | n | |
| Empanelled Agency Name | Drop Down | M/s Alectrona Energy M/s Central Electronics M/s Solex Energy Ltd Access Solar Ltd Sahaj Solar Pvt Ltd | ✓ | M/s Central Electronics | Select EA as per the requirement. | - |
|-------------------------------------|--------------|--|---|--|---|---|
| State | Drop Down | STATE GUJARAT BIHAR JAMMU AND KASHMIR | ✓ | Jammu And Kashmir | Selection of relevant state. | - |
| District | Drop Down | BANDIPORA DODA JAMMU KATHUA PUNCH RAJOURI REASI RAMBAN SAMBA | ✓ | SAMBA | Select district according to the selected State. | - |
| City | Text | - | ✓ | Ahmedabad | - | - |
| Address | Text | - | ✓ | No. 43/44, Hosur Road, Electronic City Phase 2, Ahmedabad | - | - |
| Contact Person | Text | - | ✓ | Vijay Vyas | - | - |
| Designation of Contact Person | Text | - | ✓ | Project Manager | - | - |
| Phone | Numerical | - | ~ | 9638527412 | Contact no of Empanelled Agency | Must be of 10 digits only |

| PAN No. | Numerical | _ | | 1478523669 | PAN No of Empanelled Agency | Must be of 10 characters only First five characters should be any upper case alphabets Next four characters should be any number from 0 to 9 The last (tenth) character should be any upper case alphabet It should not contain any white space |
|----------------------|-----------|---|---|---------------------|---|---|
| GST No. | Text | - | | 6548945615 68496 | GST no of Empanelled Agency | 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) |
| E-mail ID | Email | | - | fvu@gmail.c om | Email Id of Empanelled agency | 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) |
| Date of Agreement | Date | - | ✓ | 24/03/2023 | Date on which agreement was done | - |

• After filling all the details, user has to click on the "Save" button (highlighted in red in Figure 23) to register New Empanelled Agency.

9.2. REGISTRATION OF STATE IMPLEMENTING AGENCY (SIA)

Registering New State Implementing Agency (SIA)

- Super Admin can register New State Implementing Agency by clicking on "State Implementing Agency" tab as pointed in below Figure 24.
- State Implementing Agencies registered with National SEDM platform (<u>https://pmkusum.mnre.gov.in</u>)
- Contact <u>Support team</u> to get in touch with MNRE.

> Navigation Step :-

SOLAR ENERGY DATA MANAGEMENT PLATFORM

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



FIGURE 24 STATE IMPLEMENTING AGENCY TAB



FIGURE 25 STATE IMPLEMENTING AGENCY TAB DASHBOARD

Table 6 STATE IMPLEMENTING AGENCY DASHBOARD DESCRIPTION

| Action | Functionality | Highlighted Colour | Туре | 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 details. This will be a soft delete wherein, all the data related to SIA will still be stored in Database |
| Add State Implementing Agency | Register new State | Red | Button | Register new State Implementing Agency by clicking on Add State Implementing Agency button |

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

| | State Implementi | | | | | | Designatio n of | | |
|-------|---------------------|------------------------|--------------|--------|----------|---------|--------------------|---------------------------|---------|
| Selec | ng Agency | | | | | Contact | Contact | | |
| t | Name | Address | City | State | District | Person | Person | E-mail ID | Phone |
| | | | | JAMMU | | | | | |
| | | Tawanai Ghar, SDA | | AND | | | Chief | | |
| | | Colony, Bemina/ 55-B/B | Srinagar/Jam | KASHMI | SRINAGA | Dr P R | Executive | ceojakeda2[at]gmail[dot]c | 7.01E+0 |
| | JAKEDA | Gandhinagar, Jammu. | mu | R | R | Dhar | Officer | om | 9 |

FIGURE 26 CSV of State Implementing Agency Details

• User can register new State Implementing Agency by clicking on "Add State Implementing Agency" button. (highlighted in red in Figure 25)

| Add New State Implementing | | × |
|---------------------------------------|---------------------|---------------------------|
| State Implementing Agency Information | | |
| State Implementing Agency Name * | Address * | City * |
| Please Select 🗘 | Address | City |
| State * | District * | Contact Person * |
| - \$ | - | ✿ Contact Person |
| Designation of Contact Person * | Email Id * | Phone * |
| Designation of Contact Person | Email Id | Phone |
| Layer * | | |
| Please Select Layer 🗘 | | |
| Distributed Solar PV | Off Grid Solar Pump | Grid Connected Solar Pump |
| | | Cancel 🖪 Save |

FIGURE 27 NEW STATE IMPLEMENTING AGENCY DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description | Validations |
|--|--------------|--|--------------------|--|---|--|
| State Implementin g Agency Name | Drop Down | STATE TEST AI CREDA DNRE HIMURJA JREDA GUVNL KREDL MPUVNL MEDA MREDA MNREDA IWRD OREDA JAKEDA. | | STATE IMPLEMENTING AGENCY | Select SIA as per the requirement. | - |
| Address | Text | - | ~ | Tawanai Ghar, SDA Colony, Bemina/ 55-B/B Gandhinagar, Jammu. | - | - |
| City | Text | - | ✓ | Srinagar/Jammu | - | - |
| State | Drop Down | STATE JAMMU AND KASHMIR BIHAR SIKKIM MANIPUR NAGALAND | ✓ | STATE | Selection of relevant state. | - |
| District | Drop Down | - BANDIPORA | ~ | BANDIPORA | Select district according to the selected State. | - |
| Contact Person | Text | - | ~ | Dr P R Dhar | - | - |
| Designation of Contact Person | Text | - | ✓ | Chief Executive Officer | - | - |
| E-mail id | Email | - | - | ceojakeda2[at]gmail[dot] com | - | It must contain : Alphabets (a-z) in lower case only Digits (0-9) (non mandatory) Printable characters (!#\$%& '* + - / = ? ^_` {} ~) Symbol "@" |

Table 7 STATE IMPLEMENTING AGENCY REGISTRATION FIELDS DESCRIPTION

| | | | | | | Domain name (gmail, gov, yahoo) A period (.) Sub domain name (co.in, com, org) |
|-----------|-----------------|--|---|---------------------|--|--|
| Phone | Numeric al | - | ✓ | 7006132502 | - | - Must be of 10 digits only |
| Layer | Drop Down | District wise Discom wise | ✓ | District Wise | Selection is to be chosen based on scheme tracking as per district flow or as per discom flow | - |
| Component | Radio Button | - | ✓ | Off Grid Solar Pump | - | - |

- After filling all the details, user has to click on the "Save" button (highlighted in red in Figure 27) to register New State Implementing Agency.
- After registering Empanelled Agency (EA) and State Empanelled Agency (SIA), Super Admin can now create users and assign roles to the users.

10. USER ROLE MANAGEMENT

✤ User Role Management

- > User Role Management module facilitates the creation of users of SIA/EA 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 Empanelled Agency and State Implementing Agency details, Super Admin can now register new users and assign roles through User Role module.



FIGURE 28 USER ROLE MODULE

10.1 REGISTER NEW USER

✤ <u>Register New User</u>

• To register new user, Super Admin has to click on the "Add User" button (pointed in below Figure 29).

| 🔺 User_N | lanagement | | | | | | | | | | | + Add User |
|----------|----------------------|---------------------------|------------------------------|---|---------------|--------------|-------------|---------------|----------------------------------|----------------------|-------------|------------|
| Search: | | | | | | | | | | | Show 100 🗸 | entries |
| Delete | Change Password أ | Assign Group Rights | Assign Module � Rights | Department 🗇 | User Name 💠 | First Name 💠 | Last Name 💠 | Designation 🗘 | Email 🗘 | Contact Details ົ | Access Type | \$ P |
| Û | - | 쓭 | 4 | Sai Babuji Projects | EPCSai | Final | Test | | ep@gmail.com | 9865321747 | Portal | Org |
| Û | • | 쓭 | | Tata Power Solar Systems Limited | TataUser1 | TataTest | User | | ttsa@gmail.com | 9655584512 | Portal | Org |
| Û | - | 쓭 | 4 | Shakti Pumping | 9588183700 | | | | lohiasales700@gmail.com | 9588183700 | | |
| Û | - | 쓭 | 4 | Shakti Pumping | 7206019230 | | | | mahesh.hedaoo230@shaktipumps.com | 7206019230 | | |
| Û | - | * | 4 | Shakti Pumping | 9541230876 | | | | lohiasales876@gmail.com | 9541230876 | | |
| Û | • | * | - | Tata Power Solar Systems Limited | TataPowerUser | TataPower | User | User | powdeqw@gmail.com | 9865322145 | Portal | |

FIGURE 29 ADD USER BUTTON ON USER ROLE DASHBOARD

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

✤ Add User

+ Add User

| Information | | | | | ~ ~ |
|-------------------|-----------|---------------------|---|-----------------------------|-----|
| First Name * | | Last Name * | | Designation | |
| First Name | | Last Name | | Designation | |
| User name * | | Email * | | Phone No * | |
| User name | | Email | | Phone No | |
| Password * | | Confirm Password* | | | |
| | ۲ | | | Detail Show's in Contact Us | |
| Department Type * | | Department * | | Access Type * | |
| Please Select | ~ | | ~ | Please Select Access Type ▼ | |
| SEDM Role(s) * | Project / | Component | | | |
| Please Select | ✓ Pleas | e Select Componet 🗸 | | | |

 \times



| Asset | | ^ |
|-----------------------------------|------------------------------------|--|
| Add Asset Test Report | Update Test Report | |
| Delete Test Report | Create Lot | |
| Update Asset Serial No | Update Checklist & Document Submit | |
| Update Document Verification | Update Pre Dispatch Inspection | |
| Update Dispatch | Asset And IMEI Bulk Mapping | |
| Asset Mapping | IMEI Mapping | |
| I&C Update | Installation Verification by SNA | |
| Upload Installation Report by SNA | Insurance Update & Upload | |
| Asset Unmapping | Delete Lot | |
| Live Monitoring | | ~~ |
| Dashboard | Consumer Monitoring | |
| Performance Analysis | | ^ |
| Performance Analysis View | | |



FIGURE 30 ADD USER FORM

✤ User Information

| _ | Λd | ы | | - | 0.5 |
|---|----|---|-----|---|-----|
| - | мu | u | - U | ъ | er |
| | | | | | |

| ntormation | | | | | |
|---------------------------|-----------|----------------------------|---|-----------------------------|--|
| First Name * | | Last Name * | | Designation | |
| First Name | | Last Name | | Designation | |
| User name * | | Email * | | Phone No * | |
| superadmin | | Email | | Phone No | |
| Password * | | Confirm Password* | | | |
| | ۲ | | | Detail Show's in Contact Us | |
| Department Type * | | Department * | | Access Type * | |
| State Implementing Agency | ~ | JAKEDA | ~ | Please Select Access Type 🕶 | |
| SEDM Role(s) * | Project / | Component | | | |
| Please Select | Off Grid | Solar Pump (Comp B) 🗸 | | | |
| LOne | LTwo | | | | |
| JAMMU AND KASHMIR V No | | lone selected v | | | |

FIGURE 31 USER INFORMATION

 \times

Table 8 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 | Tata Power Solar Systems Limited M/s Rotomag Moter and Control Pvt. Ltd M/s VRG Energy India Pvt. Ltd VTec Sunsystems Private Limited ISHAAN SOLAR POWER PRIVATE LIMITED | | M/s VRG Energy India Pvt. Ltd | Selection of relevant department according to the selected department type. | - |
| Access Type | Drop Down | Only Configuration Only Portal Only Mobile Application | ~ | Only Portal | Selection of relevant access type as per the 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. | _ |
| State | Drop Down | STATE GUJARAT JAMMU AND KASHMIR TRIPURA | ✓ | STATE | Selection of relevant state. This shall be loaded on the basis of Layer. | - |
| District | Drop Down | BANDIPORA DODA JAMMU KATHUA PUNCH RAJOURI REASI RAMBAN SAMBA | ✓ | SAMBA | Select district according to the selected State. This shall be loaded on the basis of Layer. | _ |
| Project / Component | Drop Down | Distributed Solar PV – A | ✓ | Off Grid Solar Pump – B | Selection of PM- KUSUM Scheme Component | - |

| Off Grid Solar Pump – B Grid Connected | | | |
|--|--|--|--|
| Solar Pump –C | | | |

| Department Type Drop Down | Department Type | Description | Department Drop Down | Description |
|---|---|--|---|---|
| | State Implementing Agency | Selecting this option indicates that the new user will belong from the State Implementing Agency department type. | STATE IMPLEMENTING AGENCY JAKEDA | By selecting SIA will provide SIA list to process further as shown in Department Drop Down. |
| State Implementing Agency Empanelled Agency System Integrator | State mplementing Agency Empanelled Agency System IntegratorEmpanelled Agency System IntegratorSelecting this option indicates that the new user will belong from the Empanelled Agency department type. | Tata Power Solar Systems Limited M/s Rotomag Moter and Control Pvt. Ltd M/s VRG Energy India Pvt. Ltd VTec Sunsystems Private Limited ISHAAN SOLAR POWER PRIVATE LIMITED | 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 Configuration | This option gives writes to user to access configuration. |
| Only PortalOnly Mobile Application | 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 | 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. |
| Super Admin Organization Admin User | 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". |

✤ Module Roles



FIGURE 32 MODULE ROLES

- User has to click anywhere in the red highlighted boxes (as shown in the above Figure 32) 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 33) 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



FIGURE 33 CONSUMER FUNCTIONALITY

TABLE 11 CONSUMER FUNCTIONALITY

| Consumer Functionality Name | Description |
|------------------------------------|--|
| Aadhaar Authenticate | Selecting this Functionality will provide the access to update the consumer/farmer application status "Aadhaar Authentication". |
| Accept / Reject / Hold | Selecting this Functionality will provide the access to accept or reject or hold the consumer/farmer application. |
| Order to EA Update | Selecting this Functionality will provide the access to assign the Empanelled Agency to the consumer/farmer application. |
| Farmer Share Update | Selecting this Functionality will provide the access to update the consumer/farmer application status "Farmer Share Received". |
| Add Farmer | Selecting this Functionality will provide the access to register the new consumer/farmer application. |
| Update Farmer | Selecting this Functionality will provide the access to amend the consumer/farmer application details. |
| Delete Farmer | Selecting this Functionality will provide the access to delete the consumer/farmer application. |
| Download Installation Report (PCR) | Selecting this Functionality will provide the access to download the of the consumer/farmer application. |
| Upload Consumer CSV | Selecting this Functionality will provide the access to upload the ".csv" file for consumer/farmer application registration in bulk. |
| Download Data | Selecting this Functionality will provide the access to download the excel file of the data of all consumer/farmer applications. |
| Download District Survey Summary | Selecting this Functionality will provide the access to download district survey summary report. |

Scheme Progress



FIGURE 34 SCHEME PROGRESS FUNCTIONALITY

TABLE 12 SCHEME PROGRESS FUNCTIONALITY

| Scheme Progress Functionality Name | Description |
|---------------------------------------|---|
| Farmer Share Update by CSV | Selecting this Functionality will provide the access to update the consumer/farmer application status "Farmer Share Received" in bulk by uploading a CSV file. |
| Site Survey Update by CSV | Selecting this Functionality will provide the access to update the consumer/farmer application status "Site Survey Done" in bulk by uploading a CSV. |
| Order to EA Update by CSV | Selecting this Functionality will provide the access to assign the Empanelled Agency to the consumer/farmer application in bulk by uploading a CSV file. |
| Bulk Progress Update | Selecting this Functionality will provide the access to update any consumer/farmer application status in bulk, using this right user can only update the status and will not be able to update the farmer data. |
| Scheme Progress Details Update | Selecting this Functionality will provide the access to update the date of previous updated consumer/farmer application status. |

✤ Site Survey Functionality



FIGURE 35 SITE SURVEY FUNCTIONALITY

TABLE 13 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. |

Asset Functionality

| set | | | ^ v |
|-----------------------------------|--|--|--|
| Add Asset Test Report | V | Update Test Report | |
| Delete Test Report | ~ | Create Lot | |
| Update Asset Serial No | ✓ | Update Checklist & Document Submit | |
| Update Document Verification | ✓ | Update Pre Dispatch Inspection | |
| Update Dispatch | ~ | Asset And IMEI Bulk Mapping | |
| Asset Mapping | < | IMEI Mapping | |
| I&C Update | ~ | Installation Verification by SNA | |
| Upload Installation Report by SNA | ~ | Insurance Update & Upload | |
| Asset Unmapping | ✓ | Delete Lot | |
| | set Add Asset Test Report Delete Test Report Update Asset Serial No Update Document Verification Update Dispatch Asset Mapping I&C Update Upload Installation Report by SNA Asset Unmapping | set Add Asset Test Report Delete Test Report Update Asset Serial No Update Document Verification Update Dispatch Asset Mapping I&C Update Upload Installation Report by SNA Asset Unmapping | setAdd Asset Test ReportI Update Test ReportDelete Test ReportCreate LotUpdate Asset Serial NoUpdate Checklist & Document SubmitUpdate Document VerificationUpdate Pre Dispatch InspectionUpdate DispatchAsset And IMEI Bulk MappingAsset MappingIMEI MappingI&C UpdateInstallation Verification by SNAUpload Installation Report by SNAInsurance Update & UploadAsset UnmappingDelete Lot |

FIGURE 36 ASSET FUNCTIONALITY

TABLE 14 ASSET FUNCTIONALITY

| Asset Functionality Name | Description |
|------------------------------------|--|
| Add Asset Test Report | Selecting this Functionality will provide the access to add the asset test report. |
| Update Test Report | Selecting this Functionality will provide the access to update the Asset test report. |
| Delete Test Report | Selecting this Functionality will provide the access to delete the asset test report. |
| Create Lot | Selecting this Functionality will provide the access to create the Asset Lot & document. |
| Update Asset Serial Number | Selecting this Functionality will provide the access to update the asset serial number in Lot. |
| Update Checklist & Document Submit | Selecting this Functionality will provide the access to update the status "Lot & Document Submitted" of the consumer/farmer applications. |
| Update Document Verification | Selecting this Functionality will provide the access to update the status "Document Verified" of the consumer/farmer applications. |
| Update Pre Dispatch Inspection | Selecting this Functionality will provide the access to update the status "Pre Dispatch Inspection" of the consumer/farmer applications. |
| Update Dispatch | Selecting this Functionality will provide the access to update the status "Dispatched" of the consumer/farmer applications. |
| Asset & IMEI Bulk Mapping | Selecting this Functionality will provide the access to map the asset serial numbers and IMEI numbers with the consumer/farmer in bulk by uploading a CSV file. |
| Asset Mapping | Selecting this Functionality will provide the access to map the asset serial numbers with the consumer/farmer individually. |
| IMEI Mapping | Selecting this Functionality will provide the access to map the IMEI numbers with the consumer/farmer individually |
| I&C Update | Selecting this Functionality will provide the access to update the status "Installation & Commission Done" of the consumer/farmer applications. |
| Installation Verification by SNA | Selecting this Functionality will provide the access to update the status "Installation & Commission Verification" of the consumer/farmer applications. |
| Upload Installation Report by SNA | Selecting this Functionality will provide the access to upload the Installation Report |
| Insurance Update and Upload | Selecting this Functionality will provide the access to upload the Insurance details like Insurance number and Insurance Policy Document |
| Asset Unmapping | Selecting this Functionality will provide the access to unmap the asset serial numbers and IMEI numbers from the consumer/farmer. |

| Delete Lot | Selecting this Functionality will provide the access to delete the created lot. |
|------------|---|
| | |

* Live Monitoring Functionality

| Live Monitoring | ~~ |
|-----------------|---------------------|
| Dashboard | Consumer Monitoring |

FIGURE 37 LIVE MONITORING FUNCTIONALITY

TABLE 15 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



TABLE 16 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. |

* Complaint Sub Modules



FIGURE 39 COMPLAINT SUB MODULES

TABLE 17 COMPLAINT FUNCTIONALITY

| Complaint Sub Module Name | Description |
|------------------------------|--|
| Dashboard Complaint | Selecting this sub module will provide the access to the Complaint Dashboard |
| Add Complaint | Selecting this sub module will provide the access to register a new complaint |
| Ticket Reassigned | Selecting this sub module will provide the access to reassign the ticket to user within the organization |

| Ticket Resolved | Selecting this sub module will provide the access to update the Complaint Status "Resolved" |
|-----------------------|---|
| Generate Ticket | Selecting this sub module will provide the access to generate the ticket for a complaint |
| Complaint Report | Selecting this sub module will provide the access to the Complaint Reports |
| Complaint Acknowledge | Selecting this sub module will provide the access to update the Complaint Status "Acknowledge" |
| Ticket Reallocated | Selecting this sub module will provide the access to reallocate the ticket to organization (SIA / EA) |
| Complaint Closed | Selecting this sub module will provide the access to close the complaint |

- User has to select the check box corresponding to the Functionality as shown in above figures.
- 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 Figure 31)

| | | HOME Cons | sumer Scheme Prog | ress Asset Live Monitoring Setting | Device Registration | User Role C | iomplaint v | | | English | ~ Kin | |
|-----------|--------------------|-------------------------|-------------------------|--|---------------------|----------------------------|----------------------------|------------------|-------------------------------|--------------------|----------------|-------------------|
| 🐣 User Ma | nagement | | | | | | | | | | | + Add User |
| Search: | | | | | | | | | | | Shov | 100 V entries A |
| Delete - | Change Password | Assign Farmer Rights | Assign Module Rights | Department 🗘 | User Name 🗘 | First Name [≎] | Last Name ^{\$} | Designation 🗘 | Email 🗘 | Contact Details | Access Type | Primary Role 🗘 |
| 0 | <u> </u> | * | 4 | Tata Power Solar Systems Limited | Jkea12 | Jk | Ea | Manager | Jkea12@gmail.com | 9511599511 | Portal | User |
| 0 | <u> </u> | * | 4 | JAKEDA | Jkho12 | Ho | Jk | Manager | jkho12@gmail.com | 9514592580 | Portal | SuperAdmin |
| ۰ | <u>•</u> | 쓭 | 4 | M/s Rajasthan Electronics and Instruments Ltd | yashjkea | yashjkea | test | test | yashjkea@gmail.com | 8569547510 | Portal | User |
| Û | <u> </u> | 쓭 | 4 | JAKEDA | yashjksa | yashjksa | test | test | yashjksa@gmail.com | 8574859654 | Portal | User |
| ٥ | <u> </u> | 쓭 | 4 | JAKEDA | MYBhatJAKEDA | MY | Bhat | Exen | mybhat2@gmail.com | 9419000293 | Portal | User |
| 0 | <u> </u> | 쓭 | 4 | JAKEDA | yashdiscomJK | YAshDiscom | Та | test | yashdiscomJK@gmail.com | 8574859871 | Portal | User |
| 0 | a | * | ۵ | M/s Ethos Power Pvt. Ltd | EA12345 | EAtest | mnre | EA | mnreea123@gmail.com | 8847584859 | Portal | OrganizationAdmin |
| 0 | a | * | ۵ | JAKEDA | do1234 | dotest | mnre | DO | mnredo123@gmail.com | 7686594585 | Portal | OrganizationAdmin |
| Ô | A | * | 4 | M/s Ethos Power Pvt. Ltd | Wasim2022 | Wasim | Bhat | Contractor | bhatwasimahmad@gmail.com | 7889413012 | Portal | User |
| 0 | <u> </u> | * | 4 | M/s Ethos Power Pvt. Ltd | Vijay2022 | Vijay | Kumar | Engineer | vijaykumarvk5263404@gmail.com | 9596196260 | Portal | User |
| Û | a | * | 4 | JAKEDA | AbdulmajidJAKED | Abdul | Majid | TechnicalOfficer | ab.majid150@gmail.com | 9419015082 | Portal | User |
| | - | | - | | | | | | | | | |

FIGURE 40 USER ROLE DASHBOARD

| Action | Functionality | Highlighted Colour | Туре | 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. |

Table 18 USER ROLE DASHBOARD DESCRIPTION

Change Password

| Change Password | × |
|--|------------------|
| New Password | Confirm password |
| Please Enter your Password. X Must contain 1 or more lowercasw C X Must contain 1 or more uppercase C X Must contain 1 or more uppercase C X Must contain 1 numeber X Must contain 1 Special Character X Must be 8 Character | cter cter |
| | Save Cancel |

FIGURE 41 CHANGE PASSWORD SCREEN

- User has to enter "New password" and "Confirm password" as shown in above Figure 41.
- > Assign Farmer Rights
- By clicking on the icon of "Assign Farmer Rights" (highlighted in black in Figure 40), 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 42)

| Add Farmer Rights | | | × |
|---|---|-----------------------|-----------------|
| Select District | Select EA Tata Power Solar Systems Limited ♀ | Select Capacity | Go |
| Non-selected Applications | | Selected Applications | |
| Showing all 9 | | Empty list | |
| Search | | Search | |
| →→ (Move All) | → (Move Selected) | ← (Remove Selected) | ←← (Remove All) |
| Baldev Singh Gurmeet Singh Jasprit Singh Virat Singh Dalbir Singh Manpreet bumrah Sanjana bumrah hp bumrah | | | |

| Close | Save changes |
|-------|--------------|

FIGURE 42 ASSIGN FARMER RIGHTS

- By moving farmer from Non-Selected Applications to Selected Applications, that particular user will get the access to view the RMS data of the selected farmers.
- User can update the module and Functionality access of any particular existing user by clicking on the user icon. (highlighted in green in Figure 40)
- After clicking on user icon, a Screen will occur for the editing the access of the Functionality. (as shown in below Figure 43)

| As | set | | | ~ ~ |
|----------|-----------------------------------|----------|------------------------------------|------------|
| | Add Asset Test Report | ~ | Update Test Report | |
| ~ | Delete Test Report | ~ | Create Lot | |
| ~ | Update Asset Serial No | ~ | Update Checklist & Document Submit | |
| ~ | Update Document Verification | ~ | Update Pre Dispatch Inspection | |
| ~ | Update Dispatch | < | Asset And IMEI Bulk Mapping | |
| ~ | Asset Mapping | < | IMEI Mapping | |
| ~ | I&C Update | ~ | Installation Verification by SNA | |
| ~ | Upload Installation Report by SNA | ~ | Insurance Update & Upload | |
| ~ | Asset Unmapping | ✓ | Delete Lot | |
| Liv | ve Monitoring | | | ~~ |
| • | Dashboard | ~ | Consumer Monitoring | |
| Pe | erformance Analysis | | | ^ v |
| ~ | Performance Analysis View | | | |
| Setting | ~ ~ |
|---|--|
| Tender | State Implementing Agency |
| Empamelled Agncy | System Integrator |
| EA Rate Card | EA Service Center |
| EA Store Sub Location | Manufacturer |
| Product | Tender Checklist |
| Tender CheckList Detail | PBG Status |
| Insurance Details | Asset Type |
| Asset Status | Audit |
| Site Inspection Details | Complaint SLA |
| Device Registration | ~ ~ |
| Upload Device Registration | Add New Device Registration |
| Complaint | ~ ~ |
| Dashboard Complaint | Complaint Report |
| Add Complaint | Complaint Acknowledged |
| Ticket ReAssigned | Ticket ReAllocated |
| Ticket Resolved | Complaint Closed |
| Generate Ticket | |

FIGURE 43 USER ROLE MODULE SELECTION SCREEN

11. MASTER SETTINGS (CONFIGURATIONS)

- SIA with Super Admin credentials can add or update several following settings :
 - Tender Registration
 - EA Rate Card
 - Manufacturer Registration
 - Product Registration
 - Tender Checklist
 - Tender Checklist Details
- These settings can be performed in the "Setting" module.
- > Navigation Step :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the Setting Module



FIGURE 44 SETTING MODULE

11.1. REGISTRATION OF TENDER

- ✤ <u>Registering New Tender</u>
- Super Admin can register New Tender by clicking on "Tender" tab as pointed in below Figure 45.
- New Tender will belong from either of three components i.e. Distributed Solar PV A, Off Grid Solar Pump B and Grid Connected Solar Pump C.
- > Navigation Step :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the Setting Module
 - 3. Click on Tender Tab

| Empanelled Agency | * |
|---------------------------|---|
| State Implementing Agency | s |
| Tender | |
| System Integrator | |

FIGURE 45 TENDER TAB

| | HOME Consumer S | Cheme Progress Asset Live Monitorin | g Setting Device | Registration User Role Complain | ıt | | Ľ | English Y | |
|---------------------------|-----------------|--|------------------------|--|-----------------------------|--------------|------------------|---------------------|------------------------|
| State Implementing Agency | 🔦 Tender Li | st | | | | | | 🕯 Delete 🕇 | Add Tender 📄 Export |
| Empanelled Agency | Search: | | | | | | | Show | 100 💙 entries 🔺 |
| System Integrator | Select | Tender No 🔶 | Tender Name 🗘 | Sanction 🗘 | Tender Publishing Agency | Tender Qty 🗘 | Tender MW Size 💠 | Component 🗘 | Tender Publish Date |
| Knowledge Center - SEDM | | EESL/06/2019- 20/KUSUM/SWPS/Phase- 1/OffGrid/192007012 | Off Grid Solar Pump | 2020-2021(F.No.32/54/2018- SPV Division Dt. 13.01.2021) | EESL | 5000 | 24000 | Off Grid Solar Pump | 21-08-2019 00:00:00 |
| PMKUSUM | | EESL/06/2020- 21/KUSUM/SWPS/Phase- 1/OffGrid/202101032 | Off Grid Solar Pump | 2020-2021(F.No.32/54/2018- SPV Division Dt. 13.01.2021) | EESL | 5000 | 24000 | Off Grid Solar Pump | 14-01-2021 00:00:00 |
| Sanction | 0 | EESL/06/2021- 22/KUSUM/SWPS/Phase-2/OffGrid | Off Grid Solar Pump | 2021-2022(Sanction 2) | EESL | 1000 | 500 | Off Grid Solar Pump | 02-02-2023 00:00:00 |
| Tender | | Tendor 4 | Off Grid Solar Pump | 2022-2023(Sanction 3) | EESL | 1000 | 500 | Off Grid Solar Pump | 02-02-2023 00:00:00 |
| EA Rate card | Showing 1 | to 4 of 4 entries | | | | | | | Prevou 1 liest |

FIGURE 46 TENDER TAB DASHBOARD

Table 19 TENDER DASHBOARD EXPLANATION

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

| Α | В | С | D | E | F | G | Н | 1 | J | k |
|--------|-----------|------------|-----------|-----------|-----------|----------|------------|-----------|------------|---|
| Select | Tender No | Tender Na | Sanction | Tender Pu | Tender Qt | Tender M | Compone | Tender Pu | blish Date | |
| | EESL/06/2 | Off Grid S | 2020-2021 | EESL | 5000 | 24000 | Off Grid S | ######### | | |
| | EESL/06/2 | Off Grid S | 2020-2021 | EESL | 5000 | 24000 | Off Grid S | ######### | | |
| | EESL/06/2 | Off Grid S | 2021-2022 | EESL | 1000 | 500 | Off Grid S | ######## | | |
| | Tendor 4 | Off Grid S | 2022-2023 | EESL | 1000 | 500 | Off Grid S | ######### | | |
| | | | | | | | | | | |

FIGURE 47 CSV OF TENDER DETAILS

• User can register new Tender by clicking on "Add Tender" button. (highlighted in red in Figure 46)

Add New Tender

| Tender No. | Tender Publishing Agency | Tender Name | Tender for | |
|------------|--------------------------|---------------------|---------------|---|
| Tender No. | Tender Publishing Agency | Tender Name | Please Select | ; |
| Tender Qty | Tender (MW) Size | Tender Publish Date | | |
| Tender Qty | Tender (MW) Size | 10/06/2021 | 0 | |

FIGURE 48 NEW TENDER DETAILS

 \times

| Field | Input | Drop Down & Check Box Options | Mandat ory Field | Sample Values | Description |
|--------------------------------|--------------|--|------------------------|---|--|
| Tender No. | Numerical | - | ~ | EESL/06/2019- 20/KUSUM/SWPS/Phas e- 1/10HP/OffGrid/1920120 30 | - |
| Tender Publishing Agency | ning | | v | EESL | - |
| Tender Name | Text | - | ✓ | Off Grid Solar Pump of 10 HP | - |
| Tender for | Drop Down | Distributed Solar PV Off Grid Solar Pump Grid Connected Solar Pump | | Distributed Solar PV | Selection of relevant Tender as per the requirement. |
| Tender Qty | Numerical | - | | 23750 | - |
| Tender (MW) Size | Numerical | - | ✓ | 100 | - |
| Tender Publish Date | Date | - | | 22/12/2019 | - |

Table 20 TENDER REGISTRATION FIELDS DESCRIPTION

• After filling all the details, user has to click on the "Save" button (highlighted in red in above Figure 48) to register New Tender.

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 49 EA RATE CARD TAB

| 1 | EA rate card | | | | | | | | | +Add EA F | Rate Card 🥱 Syn | c Data 📄 Export |
|---|--|---|---------------------------|----------------|--------------------|--------------------|-------------------|--|--|------------------------------|----------------------------|---------------------------|
| : | Sanction | ~ | Tender All | | | * | | | | | | |
| [| Search: | | | | | | | | | | Show 10 | 0 🗸 entries 🔺 |
| | EA Name | Sanction 🔺 | Tender ộ | Pump Type ີ | Pump Capacity 💝 | Pump Category أ | Pump SubType ີ | Rate of Solar ≎ Water Pump | SPV Capacity As Per Norms(W- DC) | Central Contribution(%) أ | State Contribution(%) أ | Farmer Contribution(%) |
| | Tata Power Solar Systems Limited,M/s VRG Energy India Pvt. Ltd | (2020-2021) F.No.32/54/2018- SPV Division Dt. 13.01.2021 | Off Grid Solar Pump | DC | 1 | WaterFilled | Submersible | 110373 | 1.2 | 50 | 35 | 15 |
| | Tata Power Solar Systems Limited,M/s VRG Energy India Pvt. Ltd | (2020-2021) F.No.32/54/2018- SPV Division Dt. 13.01.2021 | Off Grid Solar Pump | DC | 2 | WaterFilled | Submersible | 145664 | 1.8 | 50 | 35 | 15 |
| | Tata Power Solar Systems Limited | (2020-2021) F.No.32/54/2018- SPV Division Dt. 13.01.2021 | Off Grid Solar Pump | DC | 3 | WaterFilled | Submersible | 186632 | 3 | 50 | 35 | 15 |
| | Tata Power Solar Systems Limited | (2020-2021) F.No.32/54/2018- SPV Division Dt. | Off Grid Solar Pump | DC | 3 | WaterFilled | Submersible | 209392 | 3 | 50 | 35 | 15 |

FIGURE 50 EA RATE CARD DASHBOARD

| Action | Functionality | Highlighted Colour | Туре | Description |
|------------------|--------------------------------------|-----------------------|----------|---|
| Search | Search EA Rate Card | Blue | Text Box | Enter input to explore EA Rate Card details |
| Sync Data | Delete EA Rate Card | Yellow | Button | Synchronizing data between two or more pages |
| 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 |

Table 21 EA RATE CARD DASHBOARD EXPLANATION

| | A | В | C | D | E | F | G | Н | l I | J | K | L | M | N | 0 | Р | Q | R | S | Т |
|----|-----------|------------|------------|----------|------------|-----------|-----------|------------|-----------|------------|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|------|
| 1 | EA Name | Sanction | Tender | Pump Typ | o Pump Cap | Pump Cat | Pump Sub | Rate of So | SPV Capad | Central Co | State Con | Farmer Co | State Conf | Farmer Co | Is Sync on | National S | Central Co | ntributior | n(INR with | GST) |
| 2 | Tata Powe | (2020-202 | Off Grid S | DC | 1 | WaterFill | Submersil | 110373 | 1.2 | 50 | 35 | 15 | 38630 | 16556 | | | 55186 | | | |
| 3 | Tata Powe | (2020-202 | Off Grid S | DC | 2 | WaterFill | Submersil | 145664 | 1.8 | 50 | 35 | 15 | 50982 | 21849 | | | 72832 | | | |
| 4 | Tata Powe | (2020-202 | Off Grid S | DC | 3 | WaterFill | Submersil | 186632 | 3 | 50 | 35 | 15 | 65321 | 27994 | | | 93316 | | | |
| 5 | Tata Powe | (2020-202 | Off Grid S | DC | 3 | WaterFill | Submersil | 209392 | 3 | 50 | 35 | 15 | 73287 | 31408 | | | 104696 | | | |
| 6 | Tata Powe | (2020-202 | Off Grid S | DC | 1 | - | Surface | 106285 | 0.9 | 50 | 35 | 15 | 37199 | 15942 | | | 53142 | | | |
| 7 | Tata Powe | (2020-202 | Off Grid S | DC | 2 | - | Surface | 133663 | 1.8 | 50 | 35 | 15 | 46781 | 20049 | | | 66831 | | | |
| 8 | Tata Powe | (2020-202 | Off Grid S | DC | 3 | - | Surface | 181625 | 2.7 | 50 | 35 | 15 | 63568 | 27243 | | | 90812 | | | |
| 9 | Tata Powe | (2020-202 | Off Grid S | DC | 3 | - | Surface | 204385 | 2.7 | 50 | 35 | 15 | 71534 | 30657 | | | 102192 | | | |
| 10 | Tata Powe | (2020-202 | Off Grid S | AC | 1 | - | Surface | 112 | 1 | 1 | 1 | 1 | . 1 | 1 | | | 1 | | | |
| 11 | Tata Powe | (2020-202: | Off Grid S | AC | 1 | | Surface | 112 | 1 | 1 | 1 | 1 | . 1 | 1 | | | 1 | | | |
| 12 | Tata Powe | (2020-202 | Off Grid S | AC | 1 | WaterFill | Submersil | 112 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |

FIGURE 51 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 50)

+ Add New EA rate card

EA Rate Data Information

| Pump Type * | Pump Sub Type* | Pump Category* | Pump Capacity * |
|---------------------------|----------------------------|--------------------------|---------------------------|
| Please Select 🗘 | Please Select 🗘 | Please Select 🗘 | Please Select 🗘 |
| JSPC Rate(GST)* | SPV Capacity* | Central Contribution(%)* | State Contribution(%)* |
| USPC Rate | SPV Capacity | | |
| armer Contribution(%)* | Central Contribution(INR)* | State Contribution(INR)* | Farmer Contribution(INR)* |
| | | | |
| ate of Solar water pump * | | | |
| Rate of Solar water pump | | | |
| A Name * | | | |
| | | | |
| | | | |
| | | | Cancel 🖬 Save |

FIGURE 52 NEW EA RATE CARD DETAILS

Table 22 EA RATE CARD REGISTRATION FIELDS DESCRIPTION

×

| Field | Input | Drop Down & | Mandat | Sample | Description |
|------------------|-----------|-------------------|--------|--------------|----------------------------|
| | | Check Box Options | ory | Values | |
| | | | Field | | |
| Pump Type | Text | - AC | ✓ | AC | Selection of the Pump Type |
| | | - DC | | | |
| Pump Sub Type | Drop Down | - Submersible | ✓ | Submersible | Selection of the Pump Sub |
| | | - Surface | | | Туре |
| Pump Category | Drop Down | - Oil Filled | ✓ | Water Filled | Selection of the Pump |
| | | - Water Filled | | | Category |
| Pump Capacity | Drop Down | - 1 HP | ✓ | 5 HP | Selection of the Pump |
| | | - 2 HP | | | Capacity |
| | | - 3 HP | | | |
| | | - 5 HP | | | |
| | | - 7.5 HP | | | |
| | | - 10 HP | | | |
| USPC Rate (GST) | Numerical | - | ✓ | 0 | - |
| SPV Capacity | Numerical | - | ✓ | 3 | - |
| Central | Numerical | - | ✓ | 30 | - |
| Contribution (%) | | | | | |
| State | Numerical | - | ✓ | 45 | - |
| Contribution (%) | | | | | |
| Farmer | Numerical | - | ✓ | 25 | - |
| Contribution (%) | | | | | |
| Central | Numerical | - | ✓ | 49668 | - |
| Contribution | | | | | |
| (INR) | | | | | |
| State | Numerical | - | ✓ | 74501 | - |
| Contribution | | | | | |
| (INR) | | | | | |
| Farmer | Numerical | - | ~ | 41930 | - |
| Contribution | | | | | |
| (INR) | | | | | |
| Rate of Solar | Numerical | - | ✓ | 16558 | - |
| Water Pump | | | | | |

| EA Name | Drop Down | - Tata Power Solar | ✓ | VTech | Selection of the relevant |
|---------|-----------|---------------------|---|-----------------|---------------------------|
| | | Systems Limited | | Sunsystems | Empanelled Agency |
| | | - M/s Rotomag Motor | | Private Limited | |
| | | and Controls Pvt. | | | |
| | | Ltd | | | |
| | | - M/s VRG Energy | | | |
| | | India Pvt. Ltd | | | |
| | | - VTech Sunsystems | | | |
| | | Private Limited | | | |
| | | | | | |

• After filling all the details, user has to click on the "Save" button (highlighted in red in above Figure 52) 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 53.
- 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
 - 4.



FIGURE 53 EA STORE SUB LOCATION TAB

| | HOME Consumer Scheme Progress A | sset Live Monitoring Setting Device Registration User Re | Complaint | | | | |
|-----------------------------|---------------------------------|--|-------------------------------|---|--|--|--|
| State Implementing Agency | EA Store Sub Location List | | | Delete Add EA Store Sub Location Export | | | |
| Empanelled Agency | Search: | | | Show 100 🗸 entries 🔺 | | | |
| System Integrator | Select | Sub Location Name | Location \$ | Empanelled Agency | | | |
| (E) Knowledge Center - SEDM | | Ethos | Agency Store Under Inspection | M/s Ethos Power Pvt. Ltd | | | |
| Knowledge Center - | | tata power | Agency Store Under Inspection | r Inspection Tata Power Solar Systems Limited | | | |
| PMKUSUM | Showing 1 to 2 of 2 entries | | | Present int | | | |
| Important Document | 4 | | | Þ | | | |
| Sanction | | | | | | | |

FIGURE 54 EA STORE SUB LOCATION DASHBOARD

Table 23 EA STORE SUB LOCATION DASHBOARD EXPLANATION

| Action | Functionality | Highlighted Colour | Туре | 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 Sub Loo | Store cation | Register new EA Store Sub Location | Red | Button | Register new EA Store Sub Location by clicking on Add EA Store Sub Location button |
|-------------------|-----------------|---|-------|--------|--|
| Expo | ort | CSV file for EA Store Sub Location details | Green | Button | Download CSV file of EA Store Sub Location details |

| I, | Α | В | С | D | E | F | G | | | | | |
|----|--------|------------|-----------|-----------|--------------------------|---|---|--|--|--|--|--|
| | Select | Sub Locati | Location | Empanelle | mpanelled Agency | | | | | | | |
| | | Ethos | Agency St | M/s Ethos | M/s Ethos Power Pvt. Ltd | | | | | | | |
| | | tata powe | ted | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

FIGURE 55 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 54)

| A Store Sub Location | | | |
|-----------------------------|-----------|---|--------------------|
| A Store Sub Location Inforn | nation | | |
| Sub Location Name* | Location* | | Empanelled Agency* |
| Sub Location Name | | ~ | - • |

FIGURE 56 NEW EA STORE SUB LOCATION DETAILS

Table 24 EA STORE SUB LOCATION REGISTRATION FIELDS DESCRIPTION

| Field | Input | Drop Down & Check Box Options | Mandator v 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 | Tata Power Solar Systems Limited M/s Rotomag Moter and Control Pvt. Ltd M/s VRG Energy India Pvt. Ltd VTec Sunsystems Private Limited ISHAAN SOLAR POWER PRIVATE LIMITED | ✓ | ISHAAN SOLAR POWER PRIVATE LIMITED | Selection of relevant Empanelled Agency |

• After filling all the details, user has to click on the "Save" button (highlighted in red in above Figure 56) to register New EA Store Sub Location.

11.4. REGISTRATION OF MANUFACTURER DETAILS

- Super Admin can register Manufacturer Details by clicking on "Manufacturer" tab as pointed in below Figure 57.
- 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 <u>here</u> 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 57 MANUFACTURER TAB

| (| 🕼 Manuf | acturer List | | | | | | | | | 1 Delete | + Add Manufacturer | Expor | 1 |
|---|---------|------------------------------|---|---|-------------|----------------------|------------|--------------------------------|--------------------|------------|-----------------|------------------------|-----------------------------|---|
| | Search: | | | | | | | | | | | Show 1 | 00 🗸 | |
| | Select | Manufacturer Name | Empanelled Agency | Address 🗘 | City 🗘 | State ≎ | District 🗘 | Asset Type ♀ | Contact Person | Phone 🗘 | GST No. ≎ | Manufacturing Parts | Manufact Capac (Month | |
| | | ADANI,MUNDRA SOLAR PV LTD | Tata Power Solar Systems Limited | MUNDRA SOLAR PV LTD ,SURVSURVEY NO 180/P & OTHERS , VILLAGE T TALUKA : MUNDRA ,KUTCH,GUJARAT -370435 | Mundra | GUJARAT | AHMADABAD | Solar Panel | Mr. Ravi | 9725836571 | 24AAJCM7672A1ZJ | Solar Panel | 3.8MW | |
| | | Ethos Power Pvt Ltd | M/s Ethos Power Pvt. Ltd | 121123 DLF Star Tower NH8 Sec30 Gurgaon 122001 | Gurgaon | JAMMU AND KASHMIR | BARAMULLA | Pump | Kuldeep Panchal | 7697905171 | 06AACCE9507D1ZW | Pump | 300 | |
| | | Ethos Power Pvt Ltd | M/s Ethos Power Pvt. Ltd | 121123 DLF Star Tower NH8 Sec30 Gurgaon 122001 | Gurgaon | JAMMU AND KASHMIR | ANANTNAG | Pump Controller with RMS | Kuldeep Panchal | 7697905171 | 06AACCE9507D1ZW | Pump Controller | 300 | |
| | | Ethos Power Pvt Ltd | M/s Ethos Power Pvt. Ltd | GR 168169A Ganpati Dham industrial Area Bahadurgarh Jhajjar Haryana 124507 | Bahadurgarh | JAMMU AND KASHMIR | BARAMULLA | Structure | MR Naveen Singh | 9541995819 | 06AACCE9507D1ZW | Meter | 280 | |
| | | Ethos Power Pvt. Ltd. | M/s Ethos Power Pvt. Ltd | 121-123, DLF Star Tower, NH-8, Sec- 30, Gurgaon - 122001 | Gurgaon | HARYANA | GURUGRAM | Pump | Kuldeep Panchal | 7697905171 | 06AACCE9507D1ZW | Pump | 3000 N mon | |

FIGURE 58 MANUFACTURER TAB DASHBOARD

Table 25 MANUFACTURER DASHBOARD EXPLANATION

| Action | Functionality | Highlighted Colour | Туре | 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 |

| Α | В | C | D | E | F | G | Н | - I | J | K | L | М | N | 0 |
|--------|--------------|-------------|------------|-----------|----------------|----------|------------|-------------|-----------|----------|------------|------------|------------|------------|
| Select | Manufact | Empanelle | Address | City | State | District | Asset Typ | Contact Pe | Phone | GST No. | Manufact | Manufactu | ring Capac | ity (Month |
| | ADANI,MU | Tata Powe | MUNDRA | Mundra | GUJARAT | AHMADA | Solar Pane | Mr. Ravi | 9.73E+09 | 24AAJCM7 | Solar Pane | 3.8MW/da | у | |
| | Ethos Pow | M/s Ethos | 121123 DL | Gurgaon | JAMMU A | BARAMUL | Pump | Kuldeep P | 7.7E+09 | 06AACCE9 | Pump | 3000 | | |
| | Ethos Pow | M/s Ethos | 121123 DL | Gurgaon | JAMMU A | ANANTNA | Pump Cor | Kuldeep P | 7.7E+09 | 06AACCE9 | Pump Cor | 3000 | | |
| | Ethos Pow | M/s Ethos | GR 168169 | Bahadurga | JAMMU A | BARAMUL | Structure | MR Navee | 9.54E+09 | 06AACCE9 | Meter | 2800 | | |
| | Ethos Pow | M/s Ethos | 121-123, 🛛 | Gurgaon | HARYANA | GURUGRA | Pump | Kuldeep P | 7.7E+09 | 06AACCE9 | Pump | 3000 No pe | er month | |
| | Ethos Pow | M/s Ethos | 121-123, 🛛 | Gurgaon | HARYANA | GURUGRA | Pump Cor | Kuldeep P | 7.7E+09 | 06AACCE9 | Pump Cor | 3000 No pe | er month | |
| | Ethos Pow | M/s Ethos | GR 168-16 | Bahadurga | HARYANA | JHAJJAR | Structure | Naveen Si | 9.54E+09 | 06AACCE9 | RMS | 2800MT | | |
| | Greenbilia | M/s VRG E | Greenbril | Vadodara | GUJARAT | VADODAR | Solar Pane | Viral Darji | 8.14E+09 | NA | Solar Pane | 10MW | | |
| | ICON SOL | M/s Ethos | 3RD FLOO | Raipur | JAMMU A | ANANTNA | Solar Pane | MR Navee | 9.54E+09 | 22AADCI5 | Solar Pane | 12 | | |
| | ICON SOL | M/s Ethos | 3RD FLOO | Raipur | CHHATTIS | RAIPUR | Solar Pane | Mr. Navin | 9.54E+09 | 22AADCI5 | Solar Pane | 12 MWp/m | nonth | |
| | IRABK ME | Sri Savitir | A-2, Bank | Jaipur | RAJASTHA | JAIPUR | Structure | Mohamma | 9.17E+09 | 08AAHFI6 | RMS | 400 MT | | |
| | OSWAL PL | Tata Powe | Oswal Est | Karnal | HARYANA | KARNAL | Pump Cor | Mr. Jignes | 9.73E+09 | 06AAACO | Pump Cor | 5000 | | |
| | OSWAL PL | Tata Powe | Oswal Est | Karnal | HARYANA | KARNAL | Pump | Mr. Jignes | 9.73E+09 | 06AAACO | Pump | 5000 | | |
| | Raydean | M/s Ethos | ROAD NO | Jaipur | JAMMU A | JAMMU | Structure | MR Navee | 9.54E+09 | 08AAKFR5 | Meter | 3000 | | |
| | RAYDEAN | Tata Powe | ?G-1-22, F | Jaipur | RAJASTHA | JAIPUR | Structure | Ankit Seth | 8.23E+09 | 08AAKFR5 | RMS | 2000 MT | | |
| | Raydean I | M/s Ethos | ROAD NO | Jaipur | RAJASTHA | JAIPUR | Structure | Naveen Si | 9.54E+09 | 08AAKFR5 | RMS | 3000 MT | | |
| | Raydean I | M/s VRG E | Raydean I | Jaipur | RAJASTHA | JAIPUR | Structure | Krishan Sh | 72270 474 | NA | RMS | 5000 No | | |
| | ROTOMAC | Sri Savitir | Gana-Bor | Anand | GUJARAT | ANAND | Pump | Saji Vargh | 9.57E+09 | 24AAACR9 | Pump | 50000 | | |
| | ROTOMAC | Sri Savitir | Gana-Bor | Anand | GUJARAT | ANAND | Pump Cor | Saji Vargh | 9.57E+09 | 24AAACR9 | Pump | 5000 | | |
| | Sri Savitr S | Sri Savitir | Plot No. 3 | Hyderaba | TELANGA | RANGA RE | Solar Pane | Sudhir Kar | 9.95E+09 | 36AAQCS0 | Solar Pane | 6000 No | | |
| | Sunbond E | M/s VRG E | 181/p2, Pa | Morbi | GUJARAT | MORBI | Solar Pane | Priyam Pa | 8.14E+09 | NA | Solar Pane | 10MW | | |
| | Tata Powe | Tata Powe | Tata Powe | Bengaluru | KARNATA | BENGALU | Solar Pane | Mr. Abhin | 9.98E+09 | 29AAACT4 | Solar Pane | 1.2MW/da | у | |
| | | | | | | | | | | | | | | |

FIGURE 59 CSV OF MANUFACTURER DETAILS

• User can register new Manufacturer by clicking on "Add Manufacturer" button. (highlighted in red in Figure 58)

+ Add New Manufacturer

| Manufacturer Information | | | |
|--------------------------|---|------------------------------------|---------------------------|
| Empanelled Agency* | | Manufacturer Name * | Manufacturer Patrs * |
| | ~ | Manufacturer Name | Please Select Parts 🗘 |
| Asset Type* | | Manufacturing Capacity (Monthly) * | Address * |
| - | ÷ | Manufacturing Capacity | Address |
| City * | | State* | District* |
| City | | - ‡ | |
| Contact Person | | Phone | GST No. |
| Contact Person | | Phone | GST No. |
| | | | 0 |
| Distributed Solar PV | | Off Grid Solar Pump | Grid Connected Solar Pump |
| | | | Cancel B Save |

FIGURE 60 NEW MANUFACTURER DETAILS

х

Table 26 MANUFACTURER REGISTRATION FIELDS DESCRIPTION

| Field | Input | Drop Down & Check Box Options | Mandatory Field | Sample Values | Description | Validations |
|---------------------------------------|---------------|--|--------------------|---|---|-------------|
| Empanelled Agency | Drop Down | Sai Babuji Project Pvt. Ltd. Sri Savitri Solar Pvt. Ltd. Gautam Solar Pvt. Ltd. CRI Pumps Pvt. Ltd. Shakti Pumps Ltd. Solex Energy Ltd. Junna Solar System Pvt. Ltd. | ✓ | Sri Savitri Solar Pvt. Ltd. | Selection of relevant Empanelled Agency | - |
| Manufacturer name | Text | - | • | M/s. 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) | Numer ical | - | ✓ | 320 | - | - |
| Address | Text | - | ✓ | Plot No. 34/1, Survey No. 374, CIE Phase II, | - | - |
| City | Text | - | ✓ | SAMBA | - | - |
| State | Drop Down | STATE GUJARAT JAMMU AND KASHMIR TRIPURA - | ✓ | | Selection of the relevant State from where the manufacture belong from | - |
| District | Drop Down | BANDIPORA DODA JAMMU KATHUA PUNCH RAJOURI REASI RAMBAN SAMBA | ✓ | SAMBA | Selection of the relevant district from where the manufacture belong from | _ |

| Contact Person | Text | - | ~ | Mr.Sudhir Kant Gir | - | - |
|----------------|-----------------|--|---|------------------------|---|---|
| Phone | Numer ical | - | ✓ | 9949033677 | - | Must be of 10 digits only |
| GST No. | Text | | | 36AAQCS083 8P4Z7 | - | 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) | ✓ | Off Grid Solar Pump | - | - |

• After filling all the details, user has to click on the "Save" button (highlighted in red in above Figure 60) to register New Manufacture

11.5. 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 <u>here</u> to know more)
- Super Admin can register new Product Details by clicking on "Product" tab as pointed in below Figure 61.
- > Navigation Step :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the Setting Module
 - 3. Click on Product Tab



FIGURE 61 PRODUCT TAB

| Product List | t | | | l | Delete + Add Product Expor |
|--------------|---|--|--|--------------------------|----------------------------|
| Search: | | | | | Show 100 🗸 entries |
| Select | Model No | Manufacturer 🗘 | Empanelled Agency | AssetType 🗘 | lsMakelnIndia 🗘 |
| | ISEN335 | ICON Solar-En Power Technologies Pvt. Ltd. | Rotomag Motor and Controls Pvt Ltd | Solar Panel | Yes |
| D | SBPL/10HP DC | M/s Sai Babuji Project Pvt | Sai Babuji Projects | Pump Controller with RMS | Yes |
| 0 | 300 W72 | Rajasthan Electronics And Instruments Limited | Rajasthan Electronics And Instruments Limited | Solar Panel | Yes |
| | 4800024837 | Shskti Pumps | Rajasthan Electronics And Instruments Limited | Structure | Yes |
| 0 | 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 62 PRODUCT TAB DASHBOARD

| Action | Functionality | Highlighted Colour | Туре | 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 |

Table 27 PRODUCT DASHBOARD EXPLANATION

| | A | В | C | D | E |
|-----------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---------------|
| 1 | Model No | Manufacturer | Empanelled Agency | AssetType | IsMakeInIndia |
| 2 | ISEN335 | ICON Solar-En Power Technologies | Rotomag Motor and Controls Pvt Ltd | Solar Panel | Yes |
| з | 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 63 CSV OF PRODUCT DETAILS

• User can register new Product by clicking on "Add Product" button. (highlighted in red in Figure 62)

× Add New Product Product Information Model No Manufacturer Asset Type M/s.Mecwin Technologies Pvt. Ltd. ¥ Pump VPS6750-30-7.5-AC ¥ Empanelled Agency Shakti Pumps (India) Ltd. v **~** Is Make In India Cancel Save

FIGURE 64 NEW PRODUCT DETAILS

Table 28 PRODUCT REGISTRATION FIELDS DESCRIPTION

| Field | Input | Drop Down & Check Box Options | Mandato ry Field | Sample Values | Description |
|----------------------|-----------|---|---------------------|------------------------------|--|
| Model No. | Text | - | ✓ | VPS6750-30-7.5- AC | - |
| Empanelled Agency | Drop Down | Sai Babuji Project Pvt. Ltd. Sri Savitri Solar Pvt. Ltd Gautam Solar Pvt. Ltd. CRI Pumps Pvt. Ltd. Shakti Pumps Ltd. Solex Energy Ltd. Junna Solar System Pvt. Ltd. | ✓ | Shakti Pumps (Idnia) Ltd. | Selection of relevant Empanelled Agency |

| Manufacturer | Drop Down | Alectrona BHEIL Ethos Power Pvt. Ltd M/s. Sri Savitri Solar Pvt. Ltd | ✓ | M/s Mecwin Technologies 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 64) to register New Product.

11.6. REGISTRATION OF TENDER CHECKLIST

- 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 and verified by the State Implementing Agency after the lot creation. (click <u>here</u> to know more)
- SIA with Super Admin credentials can register new Tender Checklist by clicking on "Tender Checklist" tab as pointed in below Figure 65.
- > Navigation Step :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the Setting Module
 - 3. Click on Tender Checklist Tab



FIGURE 65 TENDER CHECKLIST TAB

| • Checklist List | | | | | | Delete | + Add CheckList |
|------------------|--------------------------|---------------------------------|--------------------------|-----------------------------|------------------|---------------------|--------------------|
| Search: | | | | | | | Show 100 🗸 entries |
| 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 | 3.8,4.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 | 3.8,4.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 66 TENDER CHECKLIST TAB DASHBOARD

| Action | Functionality | Highlighted Colour | Туре | 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 |

Table 29 TENDER CHECKLIST DASHBOARD EXPLANATION

| | А | В | С | D | E | F | G | Н | |
|----|--------------------------|------------------------------|--------------------------|-----------------------------|----------------|-------------------|----------|---|--|
| 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 | | | | | | | | | |
| | 1 | | | | | | | | |

FIGURE 67 CSV OF TENDER CHECKLIST

• User can register new Tender Checklist by clicking on "Add Checklist" button. (highlighted in red in Figure 66)

+ Add New Checklist

| Select Tender* | | Asset Type * | | | Asset Ca | ategory |
|-------------------|----------|------------------|----------------|-----|----------|------------------------------|
| | \$ | - | \$ | | Select | |
| Asset SubCategory | | Checklist Name * | | | Tender C | lause |
| - Select | ŧ | Checklist Name | | | Tender | Clause |
| Revision | | | | | | |
| Revision | Distribu | ted Solar PV | Off Grid Solar | Pum | p | Grid Connected Solar Pump |

FIGURE 68 NEW CHECKLIST DETAILS

 \times

| Field | Input | Drop Down & | Mandatory | Sample Values | Description |
|-----------------------|-----------------|---|-----------|----------------------------|---|
| | | Check Box Options | Field | | |
| 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 |
| Compone nt | Radio Button | Distributed Solar PV (A) Off Grid Solar Pump (B) Grid Connected Solar Pump (C) | • | Off Grid Solar Pump (B) | Select PM-KUSUM Component |

Table 30 TENDER CHECKLIST REGISTRATION FIELDS DESCRIPTION

• After filling all the details, user has to click on the "Save" button (highlighted in red in above Figure 68) to register New Checklist.

11.7. REGISTRATION OF TENDER CHECKLIST DETAILS

- Tender Checklist Details is an individual checklist item which corresponds to tender specification/requirement. Empanelled agencies declare their compliance/deviation against ideal response. (click here to know more)
- Super Admin can register new Tender Checklist Template by clicking on "Tender Checklist Detail" tab as pointed in below Figure 69.
- > Navigation Step :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the Setting Module
 - 3. Click on Tender Checklist Detail Tab



FIGURE 69 TENDER CHECKLIST DETAIL TAB

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

| -1 | ~ | Go! |
|--------------------------|---|-----|
| | | |
| Solar Panel | | |
| Pump Controller with RMS | | |
| Structure | | |
| Pump | | |
| Solar Panel | | |
| Pump Controller with RMS | | |
| Structure | | |
| Pump | | |

FIGURE 70 SELECT TENDER CHECKLIST TEMPLATE

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

| Select Tender C | Checklist Template | | Gol | | | | | | |
|-----------------|---|------------|--------------|-------------------|-----------------|------------------|----------------------------|---|--------------------------|
| | | | | | | | | | |
| | Delete Add Tender Checklist Template List Delete Add Tender Checklist Template Export | | | | | | | cklist Template Export | |
| Search: | | | | | | | | S | how 100 🗸 entries |
| Select | Name 🔺 | Sequence 🗘 | Field Type 💠 | ldeal Response 🗘 | Tender Clause 💠 | Product Document | 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 61215I | 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 71 TENDER CHECKLIST TEMPLATE DASHBOARD

Table 31 TENDER CHECKLIST TEMPLATE DASHBOARD EXPLANATION

| Action | Functionality | Highlighted Colour | Туре | 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 |
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| | A | В | С | D | E | F | G | Н | 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 Manufac | 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 72 CSV OF TENDER CHECKLIST TEMPLATE

• User can register new Tender Checklist Template by clicking on "Add Tender Checklist Template" button. (highlighted in red in Figure 71)

| Add New Tender Checklist Ten | nplate | | × |
|---|-------------------------|-----------------------|---|
| CheckList Information | | | |
| Label Name | Sequence | F | Field Type |
| Lable Name | Sequence | - | \$ |
| Ideal Response | Sign | 1 | Fender Claus |
| Ideal Response | - | ÷ | Tender Clause |
| Product Document Attachment. | Third Party Certificate | Deviation Declaration | C Standards or Compliance Declaration |
| | | | Cancel Save |

73 New Tender Checklist Details

| Field | Input | Drop Down & Check Box Options | Mandator y 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 | BooleanStringDrop DownNumber | - | Boolean | Selection of the relevant field type of the tender checklist template |
| ldeal 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 |

Table 32 TENDER CHECKLIST TEMPLATE REGISTRATION FIELDS DESCRIPTION

• After filling all the details, user has to click on the "Save" button (highlighted in red in above) to register New Tender Checklist Template.

11.8. AUDIT TRAIL

- Audit Trail serves the purpose to store the details of the person that make last update on State SEDM Platform.
- 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

| Asset St | tatus |
|----------|-------|
| Audit | - |

FIGURE 74 AUDIT TAB

• By clicking on the Audit tab, the screen along with three filters i.e. Select District, Select Space (modules) and date range will appear as shown in below Figure 75.

| eur District | _ | Select Space | | 1000 | _ | _ | |
|---------------|---|---|---|--------------|------------|----|--|
| Please Select | ~ | User | ~ | 19/07/2021 - | 19/07/2021 | Go | |
| | | 1 | Q | | | | |
| | | User | | | | | |
| | | Consumer | | | | | |
| | | SchemeProgress | | | | | |
| | | State | | | | | |
| | | District | | | | | |
| | | Asset Types | | | | | |
| | | master product | | | | | |
| | | master Service Center | | | | | |
| | | master Master Manufacturer | + | | | | |
| | | . Manufacture of the second | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

FIGURE 75 AUDIT TAB FILTERS

• By selecting any particular district and Space (modules) against the selected district and date range, Super Admin can get the details about last updates made in particular selected Space (module) as shown in below Figure 76.

| | ✓ User | | × 19/07/2021 | - 19/07/2021 | Go | |
|----------------|----------------------------|---------|-----------------------------------|--------------|---|-----------|
| udit Trail | | | | | | |
| irch | | | | | | Show 10 V |
| Space - | Spacerefid O | Action | C Action Date C | Action By | Construction Construction | Component |
| SchemeProgress | 7404417 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00.StatusCode:-12.SubStatusCode:-1 | b |
| SchemeProgress | 12561510 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00;StatusCode:-12;SubStatusCode:1 | b |
| SchemeProgress | 6039159 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00;StatusCode:-12;SubStatusCode:-1 | b |
| SchemeProgress | 13666505 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00.StatusCode:-12.SubStatusCode:-1 | ь |
| SchemeProgress | 6806333 | Created | 2021-07- <mark>19</mark> 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00.StatusCode:-12.SubStatusCode:-1 | b |
| SchemeProgress | 6635290 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00.StatusCode:-12.SubStatusCode:-1 | b |
| SchemeProgress | 13315190 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00;StatusCode:-12;SubStatusCode:1 | b |
| SchemeProgress | 15001472 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp-2021-07-19 00:00:00,StatusCode-12,SubStatusCode-1 | b |
| SchemeProgress | 5903169 | Created | 2021-07-19 09:07:00 | 9416498347 | SchemeProgress Created With TimeStamp:-2021-07-19 00:00-00.StatusCode:-12.SubStatusCode:1 | b |

FIGURE 76 AUDIT DASHBOARD (APPLIED FILTERS)

- As shown in above Figure 76, 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 76) who had made updates in scheme progress, the date on which updates was made, the action he made while updating Scheme Progress, etc.
- User can search for specific detail by entering input in "Search" box. (highlighted in red in Figure 76)
- User can download a csv file (refer Figure 77) of filtered Audit details by clicking on export button. (highlighted in blue in Figure 76)

| | А | В | С | 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 77 AUDIT DETAILS – CSV FILE

12. APPLICATION WORKFLOW STAGES

- 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 33 FARMER APPLICATION WORKFLOW STAGES

| Workflow Stages (Clickable Links) | Description | Responsibility |
|--------------------------------------|--|----------------|
| Application Received | When consumer/farmer's application is registered, Application Registration stage will be affected. | SDN/HO/EA |
| Site Survey Done | When the surveyor gather and upload the relevant data of consumer/farmer's farm site location, Site Survey stage will be reflected. | EA |
| Feasible Application | When the authorized person approve the consumer/farmer's application, Feasible Application stage will be affected. | SDN/HO |
| Applicant Contribution Received | When the authorized person receive the consumer/farmer's share, Farmer Share Received stage will be affected. | SDN/HO |
| Order Placed to EA | When the authorized person allocate consumer/farmer's application to the Empanelled Agency, Order Placed to EA stage will be reflected. | SDN/HO |
| Asset Test Report Creation by EA | In order to create Lot & Document, user has to create an Asset Test Report. | EA |
| Lot & Document Creation by EA | When the authorized person creates and submit Lot & Document, Lot & Document Creation by EA stage will be affected. | EA |
| Lot & Document Verified | When the authorized person verifies the submitted lot & document by EA, Lot & Document Verification Stage will be affected. | SDN/HO |
| Pre Dispatch Inspection | When the authorized person upload the Pre Dispatch Inspection (PDI) document, Pre Dispatch Inspection stage will be affected. | SDN/HO |
| Dispatched | When the authorized person dispatches the lot of assets, Dispatched stage will be affected. | EA |
| Installation & Commission (I & C) | When the authorized person map the asset serial no. with the consumers/farmers and upload all the 4 photos of RMS connected device, Installation & Commission (I & C) stage will be affected. | EA |
| I & C Verification | When the authorized person verifies the Site Inspection checklist, I & C verification stage will be affected. | SDN/HO |

13. CONSUMER/FARMER APPLICATION REGISTRATION

- 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
- Below are the authorized users for Application registration :
- State Implementing Agency (SIA)
 - Sub Division Officer (SDN)
 - Head Officer (HO)
- Empanelled Agency (EA).
- > 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 78 Click on the "Add Farmer" button
 - 3.



• Select the district from where the new farmer belongs from and click on the "GO" button as shown in the below Figure 79 and Figure 80



FIGURE 80 DISTRICT LIST

| ▦ | ANANTNAG | ~ | ALL ~ | ALL ~ | GO | | | | Download Data | Add New Applications | 📥 Add Farmer Excel Format |
|---|--|---|-------|---------|----|------------|---|--------|---------------|----------------------|---------------------------|
| | O Please Select | 2 | ~ / | ALL | ~ | All Status | Upload Consumer CSV Choose File No file | chosen | Upload | | |
| | ALL ANANTNAG BANDIPORA BARAMULI A | Б | xcel | Search: | | | | | Show 10 | ♥ entries | Show / hide columns |

FIGURE 81 ADD FARMER BUTTON

• Click on the "Add New Application" button as highlighted in red in the above Figure 81.

+ Add Farmer

×

| APPLICATION & CONSUMER DETAILS |
|----------------------------------|
| COMMUNICATION & LOCATION DETAILS |
| IRRIGATION DETAILS |
| PUMP DETAILS |
| SOLAR DETAILS |
| AGRICULTURE DETAILS |
| FINANCIAL & COMMERCIAL DETAILS |
| OTHER DETAILS |
| LOAN DETAILS |
| BANK DETAILS |
| LIST OF DOCUMENT ATTACHED |
| Save Cancel |

FIGURE 82 ADD FARMER FORM

- After clicking on the "Add Farmer" button, a screen will appear as shown in above Figure 82.
- Multiple sections are there for filling out the farmer details.

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• User has to click on the section name (highlighted in red in above Figure 82) to open the section of the form.

> Application & Consumer Details

+ Add Farmer

| polication No.* | Application Category * | | Is Aadhar Authenticate? * | | Farmer Name * |
|----------------------------|------------------------|-----|---------------------------|----|---------------|
| spiloadon No | Application Gategory | | is Addiar Addienidate : | | |
| JK/PM KUSUM-B/ | Please Select | \$ | YES | ŧ | Farmer Name |
| ather/Husband name * | Gender • | | DOB | | Email Id |
| Father/Husband Name | Please Select | ÷ | Select a date | | Email Id |
| Mobile No. * | Applicant Category | | Implementation Agency * | | Pump ID |
| Mobile No. | Please Select | ÷ | Please Select | \$ | Pump ID |
| Sanction * | Tender * | | Agency Selected By Farm | er | |
| 2020-2021 (F.No.32/54/20 🚊 | EESI /08/2019-20/KUSUI | M 🔺 | Please Select | | |

FIGURE 83 APPLICATION & CONSUMER DETAILS

21

| Field | Input | Drop Down | Mandat | Sample Values | Description |
|-----------------------------------|-----------|---|--------------|-----------------------------|---|
| | | Options | ory Field | | |
| Application No | Auto- | _ | | IK/PM KUSUM-B | Application no, will be unique and |
| Application No. | Generated | _ | | | will be system generated |
| Application Category | Drop Down | Farmer Gaushala Water User Association and Community Others Small Farmer Marginal Farmer | ~ | Others | This drop down conveys the category of the application |
| Is Aadhaar Authentication ? | Drop Down | - Yes - No | ✓ | Yes | This drop down conveys that whether the manual Aadhar Authentication is done or not From here Consumer/Farmer's Application status " Aadhar Authentication " shall be updated. SIA officer will manually verify the Aadhaar details and then confirm the authentication |
| Farmer Name | Text | - | ✓ | Nithyanantham | - |
| Father/Husband name | Text | - | - | Rangasamy | - |
| Gender | Drop Down | - Male - Female - Transgender | ~ | Male | Selection of relevant gender of the applicant |
| DOB | Date | - | ✓ | 1981/09/12 | Format should be YYYY/MM/DD |
| Email ID | Email | - | - | nithyanantham@ gmail.com | - |
| Mobile No. (Unique) | Numerical | - | ✓ | 9842239309 | - |
| Applicant Category | Drop Down | General ST SC OBC Others | ~ | GENERAL | Selection of relevant applicant caste |
| Implementing Agency | Autofill | - | - | JAKEDA | Specific Implementing Agency for the state |
| Consumer/Farm er No. | Numerical | - | - | 1273 | Any number which is enter by farmer. |

Table 34 APPLICATION AND CONSUMER DETAILS

> Communication & Location Details

| COMMUNICATION & LOCATION DE | ETAILS | | |
|-----------------------------|----------------------|---------------------|--------------------|
| Communication Address * | | | |
| Address | | | 1 |
| Communication Details | | | |
| State * | District * | Taluka | Village |
| JAMMU AND KASHMIR 💲 | Please Select 💲 | \$ | \$ |
| Block | Post office | Pin code | |
| \$ | Post office | Pin code | |
| Location Details | | | |
| Location State * | Location District * | Location Taluka * | Location Village * |
| JAMMU AND KASHMIR 💲 | ANANTNAG 🗘 | Please Select 🗘 | ÷ |
| Location Block* | Location Pin code | Location Survey No. | |
| Please Select 💲 | Location Pin code | Location Survey No. | |
| Location Latitude * | Location Longitude * | | |
| Latitude | Longitude | | |

FIGURE 84 COMMUNICATION & LOCATION DETAILS

Table 35 COMMUNICATION AND LOCATION DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|------------------------------|-----------|--|--------------------|--|--|
| Communication Address | Text Area | - | ✓ | 2/59. School thottam. Chellapampalayam. Kaniyur. Amritsar 641407. | - |
| | 1 | Communication (R | esidential) Deta | ails | |
| State | Default | - | ~ | JAMMU AND KASHMIR | - |
| District | Drop Down | BANDIPORA DODA JAMMU KATHUA PUNCH RAJOURI REASI RAMBAN SAMBA | ✓ | SAMBA | This District selection is for the farmer's residence district |
| Revenue Division | Drop Down | - SAMBA | ✓ | SAMBA | This revenue division selection is for the farmer's residence revenue division |
| Taluka | Drop Down | - Samba - Rajpura - vijaypur | - | Samba | This taluka selection is for the farmer's residence taluka |
| Town | Drop Down | - Samba - Rajpura - vijaypur | - | vijaypur | This town selection is for the farmer's residence town |
| Post Office | Numerical | - | - | SAMBA | - |
| Pin code | Numerical | - | - | 641407 | - |
| | | Location | Details | | |
| Location State | Default | - | ✓ | JAMMU AND KASHMIR | - |
| Location District | Default | - | ✓ | SAMBA | - |
| Location Revenue Division | Drop Down | - SAMBA - SAMBA | ✓ | SAMBA | This Revenue District selection is of pump site location |
| Location Taluka | Drop Down | - Samba - Rajpura - vijaypur | - | samba | This taluka selection is of pump site location |
| Location Town | Drop Down | - Samba - Rajpura - vijaypur | - | vijaypur | This town selection is of pump site location |

| Location Pin code | Numerical | - | - | 642205 | Pin code of installation location. |
|--|-----------|---|---|---------|--|
| Location Survey No | Numerical | - | - | 844 | Survey No of installation location. |
| Sub Division No | Numerical | - | - | 5985 | - |
| Location Latitude (Provisional) | Numerical | - | ✓ | 11.0168 | Location Latitude of installation place. |
| Location Longitude (Provisional) | Numerical | - | ✓ | 76.9558 | Location Longitude of installation place. |
| Sub Division Office Name | Autofill | - | - | - Samba | - |

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

| IRRIGATION DETAILS | | | ~~ |
|-------------------------------------|-------------------|---------------------------|----|
| Water Depth Level in summer(Feet) * | Irrigation Mode * | Existing Farm Pond? | |
| 2 | Micro Irrigation | ₽ NO | ÷ |
| Quality of Water | Source of Water | Size of Borewell (inch) * | |
| Fit for Irrigation 🗘 | Borewell | € 10 | |

FIGURE 85 IRRIGATION DETAILS

Table 36 IRRIGATION DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|---|-----------|--|--------------------|--------------------------------|--|
| Water Depth Level in summer(Feet) | Numerical | - | ~ | 2 | Depth of water level in feet |
| Irrigation Mode | Drop Down | Micro irrigation Open Irrigation Underground Pipeline (UGPL) | ✓ | Underground Pipeline (UGPL) | Selection of relevant Irrigation mode |
| Existing Farm Pond? | Drop Down | Yes No Under Construction | - | No | This drop down means whether farmer have Pond or not |
| Quality of Water | Drop Down | Fit for Irrigation Not Fit for Irrigation | - | Fir for irrigation | This drop down means whether farmer have water fit for irrigation or not |
| Source of Water | Drop Down | Pond Bore Well Open Well Surface Tank Others | ✓ | Borewell | Selection of relevant water source that farmer have |
| Size of Borewell (Inch) | Numerical | - | ✓ | 42 | Size of Borewell in inches |

> Pump Details

| PUMP DETAILS | | | |
|--------------------------|--------------------------|--------------------------|----|
| Existing Pump User * | | | |
| No | \$ | | |
| Required Pump Type * | Required Pump Sub Type * | Required Pump Category * | |
| Please Select | \$ Please Select | \$ Please Select | \$ |
| Required Pump Capacity * | | | |
| Please Select | \$ | | |
| | | | |

FIGURE 86 PUMP DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|---------------------------|--------------|--|--------------------|---------------|---|
| Existing Pump User | Drop Down | - Yes - No | ✓ | No | This drop down means whether farmer is using Pump or not |
| Required Pump Type | Drop Down | - AC - DC | ✓ | AC | Selection of relevant Pump type |
| Required Pump Sub Type | Drop Down | SubmersibleSurfaceBLDC | ✓ | Submersible | Selection of relevant Pump sub type |
| Required Pump Category | Drop Down | WaterfilledOilfilled | ~ | Waterfilled | Selection of relevant Pump category |
| Required Pump Capacity | Drop Down | - 1HP - 2HP - 3HP - 5HP - 7.5HP - 10HP | ✓ | 5 hp | Selection of relevant Pump capacity |

Table 37 PUMP INFORMATION

- If Farmer is already using pump, then user will have to fill Existing pump Type, Existing PumpsubType, Existing Pump Capacity, Power Source of Existing Pump and whether current pump is energy efficient or not.

> Solar Details

| SOLAR DETAILS |
|---------------------------------|
| SPV Capacity as per Norms (KWp) |
| 4.8 |
| |

FIGURE 87 SOLAR DETAILS

Table 38 SOLAR DETAILS

| Field | Input | Mandatory Field | Sample Values |
|---------------------------------|--|-----------------|---------------|
| SPV Capacity as per Norms (KWp) | Autofill based on Required Pump Capacity selection | - | 4.8 |

> Agriculture Details

| AGRICULTURE DETAILS | | |
|--------------------------------|-------------------------------|------------------------|
| Crop Type (Last Year) | Crop Type (Last To last year) | Crop Count (Last Year) |
| Rabi 🗘 | Kharif 🗘 | 2 |
| Crop Count (Last To last year) | Land Coverage (Hectare) * | |
| 3 | 5 | |
| | | |

FIGURE 88 AGRICULTURE DETAILS

Table 39 AGRICULTURE INFORMATION

| Field | Input | Drop Down Option | Mandatory Field | Sample Values | Description |
|-------------------------------------|-----------|------------------------------|--------------------|------------------|--|
| Crop Type (Last Year) | Drop Down | - Rabi - Kharif - Zaid | - | Rabi | Selection of relevant Crop type of last year |
| Crop Type (Last to last year) | Drop Down | - Rabi - Kharif - Zaid | - | Kharif | Selection of relevant Crop type of last to last year |

| Crop Count (Last Year) | Numerical | - | - | 2 | - |
|--------------------------------------|-----------|---|---|---|---|
| Crop Count (Last to last year) | Numerical | - | - | 3 | - |
| Land Coverage (Hectare) | Numerical | - | - | 5 | - |

> Financial & Commercial Details

| FINANCIAL & COMMERCIAL DETAILS | | | ~~ |
|--|---|---|----|
| Solar Pump Cost in Rs. (with GST) | Agree to install USPC Without Subsidy * | USPC Cost in Rs. (with GST) | |
| 237947 | No 🗘 | 0 | |
| Central Contribution (%) * | State Contribution (%) * | Farmer Contribution (%) * | |
| 30 | 40 | 30 | |
| Central Contribution Rs . (with GST) | State Contribution Rs . (with GST) | Farmer Contribution Rs.(with GST) | |
| 71384 | 95179 | 71384 | |
| Central Contribution Rs . (with GST) 71384 | State Contribution Rs . (with GST) 95179 | Farmer Contribution Rs.(with GST) 71384 | |

FIGURE 89 FINANCIAL & COMMERCIAL DETAILS

Table 40 FINANCIAL AND COMMERCIAL DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|--|--------------|----------------------|--------------------|------------------|---|
| Solar Pump Cost in Rs (with GST) | Autofill | - | - | 237947 | - |
| Agree to install USPC Without Subsidy | Drop Down | - Yes - No | • | No | This field means whether farmer is agreed to install USPC without Subsidy or not. |
| USPC Cost in Rs (with GST) | Numerical | - | - | 0 | - |

| Central Contribution (%) | Autofill | - | • | 30 | - |
|---------------------------------------|----------|---|---|-------|---|
| State Contribution (%) | Autofill | - | • | 40 | - |
| Farmer Contribution (%) | Autofill | - | • | 30 | - |
| Central Contribution Rs (with GST) | Autofill | - | - | 71384 | - |
| State Contribution Rs (with GST) | Autofill | - | - | 95179 | - |
| Farmer Contribution Rs (with GST) | Autofill | - | - | 71384 | - |

• When the user will fill all the required pump details, above details will be filled automatically according to the details added in the EA Rate Card.

> Other Details

| OTHER DETAILS | | | | ~~ |
|--|---|--|---|------------------------------------|
| Is Site Survey Done? | | Installer | | Grid Connection Application Status |
| Yes | ÷ | CRI Pumps Pvt. Ltd | ŧ | Yes 🗘 |
| Is South Facing Shadow Free Land Available? | | Is Site Suitable For Solar System Installation? | | Is Order Place To EA Done? |
| Yes | ÷ | Yes | ŧ | Yes 💠 |
| | | | | Order Place To EA |
| | | | | CRI Pumps Pvt. Ltd 🗘 |
| | | | | |

FIGURE 90 OTHER DETAILS

Table 41 OTHER DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|----------------------------|-----------|---|--------------------|----------------------|--|
| Is Site Survey Done? | Drop Down | - Yes - No | - | Yes | This drop down conveys that whether Site Survey is done or not |
| Installer | Drop Down | Sai Babuji Project Pvt. Ltd. | - | Solex Energy Ltd. | If Site Survey is done then selection should be done of |

| | | Gautam Solar Pvt. Ltd. CRI Pumps Pvt. Ltd. Shakti Pumps Ltd. Solex Energy Ltd. Junna Solar System Pvt. Ltd. | | | that Installer who had done Site Survey |
|--|-----------|---|---|----------------------|--|
| Grid Connection Application Status | Drop Down | YesNot AppliedIn Process | - | Yes | This drop down conveys that whether farmer had applied for the Grid Connection or not |
| Is Facing Shadow Free Land Available? | Drop Down | - Yes - No | - | Yes | This drop down conveys that whether the Site has facing shadow free land available or not |
| Is Site Suitable for Solar System Installation? | Drop Down | - Yes - No | - | Yes | This drop down conveys that whether the Site is suitable for the installation of Solar Pump or not |
| Is Order Place to EA Done? | Drop Down | - Yes - No | - | Yes | This drop down conveys that whether the order is assigned to any Empanelled Agency or not |
| Order Place to EA | 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. | - | Solex Energy Ltd. | If order is assigned to any Empanelled Agency then selection should be done of that Empanelled Agency to whom order has been placed. |

> Loan Details

| LOAN DETAILS | | |
|------------------------------|-------------------------|---------------------------|
| Has Farmer Availed the Loan? | Loan Institution * | Loan Institution Branch * |
| Yes 🗘 | SBI | Coimbatore |
| Loan Amount * | Loan Tenure (Month) * | Rate of Interest(%) * |
| 65000 | 24 | 7 |
| EMI Per Month(INR) * | Loan Application Date * | Loan Sanction Date * |
| 3088 | 2021/01/05 | 2021/02/15 |
| Loan Disbursement Date * | | |
| 2021/04/02 | | |
| | | |

FIGURE 91 LOAN DETAILS

TABLE 42 LOAN DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|------------------------------------|-----------|-------------------|--------------------|------------------|--|
| Has Farmer Availed the Loan? | Drop Down | - Yes - No | ~ | Yes | This drop down conveys that whether the farmer had loan available or not |
| Loan Institution | Text | - | ✓ | SBI Bank | Name of the Institution from where loan has been availed |
| Loan Institution Branch | Text | - | ✓ | Bathinda | Branch name of the Institution |
| Loan Amount | Numerical | - | ✓ | 40,000 | Loan Amount availed |
| Loan Tenure | Text | - | ✓ | 20 months | Loan Duration in Months |
| Rate of Interest (%) | Numerical | - | ✓ | 9 | Rate of interest at which loan is availed |
| EMI per month (INR) | Numerical | - | ✓ | 5000 | Equated Monthly Instalments to be paid for loan closure |
| Loan Application Date | Date | - | ✓ | 2021/09/13 | Date on which loan application has been made (YYYY/MM/DD) |
| Loan Sanction Date | Date | - | ✓ | 2021/09/17 | Date on which loan application has been sanctioned (YYYY/MM/DD) |

| Loan | Date | - | ✓ | 2021/09/27 | Date on which loan has been |
|--------------|------|---|---|------------|-----------------------------|
| Disbursement | | | | | disbursed (YYYY/MM/DD) |
| Date | | | | | |

> Bank Details

| BANK DETAILS | | | ~ | ~ |
|----------------------|--------------|---|----------------|---|
| Bank Name | Bank Branch | | Branch Address | |
| YES BANK | | | Branch Address | |
| Bank Account No. | Account Type | | IFSC Code | |
| 456456151548415 | Savings | ¢ | YBANK155130 | |
| Account holder name. | | | | |
| MOHAN | | | | |
| | | | | |

FIGURE 92 BANK DETAILS

Table 43 BANK DETAILS

| Field | Input | Drop Down Options | Mandatory Field | Sample Values | Description |
|------------------------|-----------|---|--------------------|---------------|---|
| Bank Name | Text | - | - | Yes Bank | Name of given Bank |
| Bank Branch | Text | - | - | Samba | Name of given Bank Branch |
| Branch Address | Text | - | - | Samba | Bank Branch address |
| Bank Account No | Numerical | - | - | 458856478953 | Account no of Bank |
| Account Type | Drop Down | SavingsCurrent | - | Savings | Selection of relevant bank account type of Farmer |
| IFSC Code | Text | - | - | YBANK155130 | - |
| Account holder name | Text | - | - | Mohan | - |

> List of Document Attached

| LIST OF DOCUMENT ATTACHE | D | | | |
|---------------------------|---|----------------------------|---|--|
| Upload Photograph of site | ± | Upload Farmer Consent Form | ± | |

FIGURE 93 LIST OF DOCUMENT ATTACHED

- List of document consist of "Photograph of Site" & "Farmer Consent Form".
- By clicking on the red coloured icons in above Figure 93, user can upload these two forms from farmer registration form.

| | | Home Consumer | Scheme Progress | Asset Live Monitor | ng Performano Analysis | e Setting | Cevice Registration U | Ser Role Complaint | | | Englis | n v Kin | tellisca | |
|-------------------------------|--|---|---------------------|--------------------------------------|----------------------------------|----------------------------|--------------------------|-------------------------|--------------|--------------------------------------|----------------------------|--------------------------------|--------------------------------|--------------------|
| E Farmer Li | ist | ✓ 60 | | | | | A Downlos | ed District Survey Sum | mary Do | wnioad Data | Add New / | ppications d | Add Farmer F | lxcel Format |
| ALL | | ~ ALL | ~ | All Status | | Uplos | ed Consumer CSV | Choose File No file d | hosen | Upload | | | | |
| CSV | Download Ext | DF Search: | | | | | | | | Show 1 | 0 🗸 entrie | 5 | Show / his | de columns |
| Scheme Progress Details | Site Survey Details ≎ and Update | Update Status | ○ AP | plication Status Status GST | r Survey ed ≎ Done ≎ th By | Order Placed © To EA | Farmer Name 🔇 | FatherHusband Name 0 | Mobile No. 🗘 | Required Pump Capacity (HP) | Required Pump O Type | Required Pump Sub 🗘 Type | Required Pump ≎ Category | Delete Farmer ≎ |
| | | Farmer Chara I Indata | Aut | rentication | | | Nithyanantham | Rangasamy | 9842239309 | 10 | AC | Submersible | Oifiled | |
| | | Order to EA Update Download Installation Report (PCR) | | | | | | | | | | | | |
| | | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site Dor | Survey e | CRI Pumps Pvt. Ltd | | Sathiskumar | Arumugam | 9600094949 | 10 | AC | Submersible | Oifiled | Û |
| | | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site | Survey e | CRI Pumps Pvt. Ltd | | G Sakthivel | Ganapathyappan | 9842258083 | 10 | AC | Submersible | Oiffied | |
| | | Order to EA Update Download Installation Report (PCR) | 05-08-2020 Ord to E | er placed 148500 A | CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd | MADHU P | PERIYASAMY | 9944244442 | 10 | AC | Submersible | Oifiled | ٦ |
| | - | Order to EA Update Download Installation Report (PCR) | 05-08-2020 Ord to E | er placed 14859 A | CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd | S.Viswanatha Bharathi | C.Selvaraj | 9585823459 | 10 | AC | Submersible | Oiffiled | ٥ |

FIGURE 94 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 94) whose application scheme progress is yet to commence.
- Details dashboard consists following data columns :

| Scheme Progress ≎ Details | Site Survey Details ≎ and Update | Update Status ⇔ | Application Status | Farmer Share Received (INR with GST) | Survey Done ۞ By | Order Placed \$ To EA | Farmer Name 🗘 | Father/Husband Name | Mobile No. 🗘 | Required Pump Capacity \diamondsuit (HP) | Required Pump ¢ Type | Required Pump Sub ۞ Type | Required Pump ≎ Category | Location Town ≎ |
|---------------------------------|--|------------------------------------|-----------------------|--|------------------------|-----------------------------|---------------|------------------------|--------------|---|----------------------------|--------------------------------|--------------------------------|--------------------|
| | | | | | | | | | | | | | | |
| | - | Farmer Share Update | Authentication | | | | Nithyanantham | Rangasamy | 9842239309 | 10 | AC | Submersible | Oilfilled | Kammalapatti |
| | | Order to EA Update | | | | | | | | | | | | |
| | | Download Installation Report (PCR) | | | | | | | | | | | | |

FIGURE 95 CONSUMER DETAIL DATA COLUMNS (I)

TABLE 44 DATA COLUMN DESCRIPTION

| Column Name | Data | Description |
|---|--|--|
| Scheme Progress Details | - | Scheme Progress Report |
| Site Survey Details & Update | - | Site Survey Details Report |
| Update Status | - | Status Buttons |
| Application Status | Authentication | Current Application Status |
| Farmer Share Received (INR with GST) | <farmer contribution="" in="" rs.=""></farmer> | Farmer share in terms of INR including GST |
| Survey Done By | <empanelled agency="" name=""></empanelled> | Surveyed Empanelled Agency Name |
| Order Place to EA | <empanelled agency="" name=""></empanelled> | Assigned Empanelled Agency Name |
| Farmer Name | Nithyanantham | Name of the Consumer/farmer |
| Father/Husband Name | Rangasamy | Name of Consumer/farmer's husband or father |
| Mobile No. | 9842239309 | Consumer/Farmer's mobile number |
| Pump Capacity (HP) | 10 | Solar Pump capacity in terms of horse power (HP) |
| Pump Type | AC | Type of the solar pump |
| Pump Sub Type | Submersible | Sub type of the solar pump |
| Pump Category | Oilfilled | Category of the solar pump |
| Location Town | VIJAYPUR | Town of the farm site |
| Location Taluka | Samba | Taluka of the farm site |
| Location Revenue Division | Samba | Revenue Division of the farm site |
| Gender | Male | Gender of the consumer/farmer |
| Application Category | Others | Application category of the consumer/farmer |
| Applicant Category | ST | Applicant Category of the consumer/farmer |

| Land Coverage (Sq. Meter) | 10 | Coverage of land in terms of Hector |
|-----------------------------------|---------------------------|---|
| Irrigation Mode | Micro Irrigation | Mode of the irrigation |
| Source of Water | Bore Well | Water source at farm site |
| Water Depth Level (ft.) | 2 | Water depth level at farm site |
| SPV Capacity as per norms (KW) | 4 | SPV Capacity of solar pump as per norms |
| Grid Connection Available | Yes | Availability of grid connection at farm site |
| Existing Pump User | NO | Whether consumer/farmer is existing pump user or not |
| Source of Power for Existing Pump | Others | If consumer/farmer is existing pump user then the power source of existing solar pump |
| Is Site Suitable? | NO | Is farm site suitable to install solar pump |
| Application No. | JK/PMKUSUM-B/ | Application no. of the farmer |
| Delete Farmer | <delete icon=""></delete> | By clicking on the delete icon, all updated status of farmer will be deleted and the farmer application will be taken back to the very first application status "Application Received" |

NOTE: FOR UPDATING THE STATUS "SITE SURVEY DONE",

SITE SURVEY CLICK HERE TO KNOW ABOUT IT.

> Consumer Details Dashboard Explanation

| | Home Consumer Scheme P | ogress Asset Live Monitoring | Performance Analysis | Device Registration Us | er Role Complaint | | | Englis | n 🗸 🏹 | tellisca | |
|--|---|-----------------------------------|---------------------------------|------------------------|------------------------|--------------|--------------------------------------|----------------------------|------------------------------|------------------------------|--------------------|
| I Farmer List | v 60 | | | A Downloa | d District Survey Sum | mary Do | wnioad Data | Add New/ | Applications | Add Farmer F | facel Format |
| All Solutions CSV Download Exercise | Empaneled Agency POF Search: | All Status | Up | ioad Consumer CSV | Choose File No file d | hosen | Upload Show 1 | 10 v entrie | ts | Show / hi | de columns |
| Scheme Survey Progress Details Details O update | Update Status | Application Status (INR with GST) | Survey Done By Done To EA |) Farmer Name ≎ | Father/Husband Name | Mobile No. 🗘 | Required Pump Capacity (HP) | Required Pump ≎ Type | Required Pump Sub Type | Required Pump Category | Delete Farmer ≎ |
| | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site Survey Done | CRI Pumps Pvt. Ltd | V Thangavel | Vellappa Gounder | 9865296850 | 10 | AC | Submensible | Olfiled | |
| | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site Survey Done | CRI Pumps Pvt. Ltd | Nithyanantham | Rangasamy | 9842239309 | 10 | AC | Submersible | Olfiled | 0 |
| | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site Survey Done | CRI Pumps Pvt. Ltd | Sathiskumar | Arumugam | 9500094949 | 10 | AC | Submersible | Olfiled | ٦ |
| | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site Survey Done | CRI Pumps Pvt. Ltd | G Sakthivel | Ganapathyappan | 9842258083 | 10 | AC | Submersible | Olfiled | ٦ |
| | Farmer Share Update | Site Survey | CRI | Jayasuriyanarayanan | Duraisamy | 9843000000 | 10 | AC | Surface | | 1 |

FIGURE 96 CONSUMER/FARMER DETAIL DASHBOARD

- The blue buttons in third column of Consumer Details dashboard will be used further to update the application status "Farmer Share Received" (click <u>here</u> to know more) & "Order Place To EA" (click <u>here</u> to know more) and after updating all 14 application stages, user can download the Project Completion Report (PCR) of the consumer/farmer.
- There are two types of boxes for searching any particular type of consumer/farmer which is highlighted in two blue boxes in above Figure 96. User can search for a specific query to check for the consumer/farmer information on the Consumer Details dashboard by inputting their search parameter in 'Search' dialogue box.
- By clicking upon the delete icon (highlighted in brown in above Figure 96) below screen will appear (), will delete all the updated status of the consumer/farmer application and take back the application to the very first application stage i.e. "Application Received".

| Details and Update | Delete Consumer! | ✓ Status | (INR with GST) | EA | ≦ Name [™] Nar | v income no. | Capacity Type | |
|--------------------|---|---|--|--------------------|---------------------------|------------------|---------------|--|
| | Are you sure you want to dele | ete selected Consumer | ? | | | | | |
| | If You want to delete Consum Unmappaed,Remove Consum | er It Will be Deleted fro ner From Asset Lot. Co | m the Consumer Schem nsumer Can not Revert. | e Progress Status, | Document,Asset | | | |
| | | | | | Farmer F Yes Name Name | No Robile No. | | |

FIGURE 97 CONFIRMATION SCREEN TO DELETE ALL UPDATED CONSUMER/FARMER APPLICATION STATUS

• Consumer/Farmer Details dashboard entries can be filtered out in two ways i.e. 1. Solution & Empanelled Agency wise (highlighted in green in above Figure 96) and 2. Application Status wise. (highlighted in red in above Figure 96)







FIGURE 99 FILTER 2 EMPANELLED AGENCY

- User can download consumer survey summary details CSV file (refer **Error! Reference source not found.**) by clicking "Download District Survey Summary" button. (highlighted in black in Figure 96)
- The users can also access the data and information provided under Consumer/Farmer Management offline by downloading the data in Excel format by clicking on the 'Download Data' option on top right corner of the .dashboard (highlighted in yellow in Figure 96)
- Upon clicking the 'Download Data' option, a screen appears where user must enter the filter parameters of District, Pump Capacity, Application Status and the dates for which they want to view the data as shown in the below Figure 100.

| Download Data | | | | | | | × |
|-----------------|---|-----------------|---|---------------|---|------------------|-------------|
| Select District | | Select Capacity | | Select Status | | Empanelled Agenc | у |
| SAMBA | ~ | ALL Capacity | ~ | ALL | ~ | ALL | ~ |
| Sanction | | Tender | | | | | |
| ALL | ~ | ALL | ~ | | | | |
| | | | | | | Close Down | nload Excel |



- User also can download Consumer/Farmer Details in either of three formats i.e. CSV/EXCEL/PDF by clicking either of three buttons i.e. "CSV", "Download Excel" & "PDF". (buttons highlighted in pink in Figure 96)
- CSV file output as shown in Figure 101 & Figure 102

| BT | BU | BV | BW | BX | BY | BZ | CA | CB | CC | CD | | |
|---------------|-------------|----------|-------------------|------------|---|----|----|----|----|----|--|--|
| BankAccountNo | AccountType | IFSCCode | AccountHolderName | Tender_No | Sanction_Year | | | | | | | |
| | | | | EESL/06/20 | ESL/06/2020-21/KUSUM/SWPS/Phase-1/OffGrid/202101032 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

FIGURE 101 DETAILS DASHBOARD CSV FILE (I)

| | N | 0 | Р | Q | R | S | Т | U | V | W | Х | γ | Z | AA | AB | AC | AD | |
|---|-----------------|----------------|--------|------------|-------------|-----------|-------------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|--------------|------------------------|----|
| 1 | Location Taluka | Location Block | Gender | Applicatio | Applicant (| Land Cove | IrrigationN | Source Of | Water Dep | SpvCapaci | SPVCapac | i Grid Conn | Existing Pu | Source Of | IMEI | PumpSerialNo | PumpControllerSerialNo | Sc |
| 2 | Ajnala | | Male | Small Farn | Open | 1 | Irrigationw | Bore Well | 0 | 0 | 0 | | No | Others | 1.21233E+14 | | | T |
| 3 | Ajnala | | Male | Others | SC/ST | 2 | MicroIrriga | Bore Well | 0 | 0 | 0 | | No | Others | 2.33233E+14 | | | |
| 4 | Ajnala | | Male | Small Farn | SC/ST | 1 | Irrigationw | Bore Well | 0 | 0 | 0 | | No | Others | 1.21233E+14 | | | |
| 5 | Ajnala | | Male | Small Farn | SC/ST | 1 | MicroIrriga | Bore Well | 0 | 0 | 0 | | No | Others | 1.21233E+14 | | | |
| 6 | Ajnala | | Male | Small Farn | Open | 0 | MicroIrriga | Bore Well | 0 | 0 | 0 | | No | Diesel Purr | 1.21233E+14 | | | |
| 7 | Ajnala | | Female | Others | Open | 6 | Irrigationw | Open Well | 0 | 0 | 0 | | No | Others | 1.21233E+14 | | | |
| 8 | Ajnala | | Male | Small Farm | Open | 2 | Irrigationw | Bore Well | 0 | 0 | 0 | | No | Others | 1.21233E+14 | | | |
| 9 | Ajnala | | Female | Marginal F | SC/ST | 0 | MicroIrriga | Bore Well | 0 | 0 | 0 | | No | Others | 1.21233E+14 | | | |

FIGURE 102 DETAILS DASHBOARD CSV FILE (II)

▶ Excel file output - as shown in Figure 103, Figure 104 & Figure 105

| 4 | A | B | С | D | E |
|---------------------|------------|--------------------|--------------------------------------|----------------------------------|--------------------------------|
| Update Status | | Application Status | Farmer Share Received (INR with GST) | Survey Done By | Order Placed To EA |
| Farmer Share Update | | Authentication | | ,, | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Order to EA Update | 18-06-2020 | Order placed to EA | 7138 | Solex energy limited | Solex energy limited |
| Order to EA Update | 19-06-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Order to EA Update | 19-06-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Farmer Share Update | | Site Survey Done | | CRI Pumps Pvt. Ltd | |
| Order to EA Update | 17-11-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Farmer Share Update | | Order placed to EA | | CRI Pumps Pvt. Ltd | Swelect Energy Systems Limited |
| Order to EA Update | 02-09-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Order to EA Update | 05-06-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Order to EA Update | 19-06-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Order to EA Update | 05-06-2020 | Order placed to EA | 14859 | 8 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |
| Farmer Share Update | | Authentication | | Sri Savitir Solar pvt Ltd | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | Tata Power Solar Systems Limited | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Farmer Share Update | | Authentication | | | |
| Order to EA Update | 01-12-2020 | Order placed to EA | 7138 | 4 Sri Savitir Solar pvt Ltd | Sri Savitir Solar pvt Ltd |
| Order to EA Update | 01-12-2020 | Order placed to EA | 10487 | 1 Sri Savitir Solar pvt Ltd | Sri Savitir Solar pvt Ltd |
| Order to EA Update | 01-12-2020 | Order placed to EA | 7138 | 4 Sri Savitir Solar pvt Ltd | Sri Savitir Solar pvt Ltd |
| Farmer Share Update | | Authentication | | CRI Pumps Pvt. Ltd | |
| Order to EA Update | 19-06-2020 | Order placed to EA | 15126 | 0 CRI Pumps Pvt. Ltd | CRI Pumps Pvt. Ltd |

FIGURE 103 DETAILS DASHBOARD EXCEL FILE (I)

| F | G | н | I. I. | J | К | L | м | |
|------------------------------|---------------------|------------|-----------------------------|--------------------|------------------------|------------------------|---------------|-----|
| 1 2 Farmer Name | Father/Husband Name | Mobile No. | Required Pump Capacity (HP) | Required Pump Type | Required Pump Sub Type | Required Pump Category | Location Town | Lo |
| 3 S.Ganesan, P.Vijayalakshmi | Sivasamy | 9486034861 | | 5 DC | Submersible | WaterFilled | | Ajr |
| 4 S.Chandraprabha | T.V.Selvarajan | 9363261644 | L . | 5 DC | Submersible | WaterFilled | | Ajr |
| 5 S.Venkatesh | V.Sivaraman | 9442248485 | 5 | 5 DC | Submersible | WaterFilled | | Ajr |
| 6 M.Baby | Manoharan | 9244499771 | L | 5 DC | Submersible | WaterFilled | | Ajr |
| 7 Mahalakshmi | Sivalingam | 9944908775 | 5 | 5 AC | Submersible | WaterFilled | | Ajr |
| 8 Aruchamy | Perumal Gr | 9791751300 |) | 10 AC | Submersible | Oilfilled | | Ajr |
| 9 Kubendhiran | Subramniya Gr | 9976767690 |) | 10 AC | Submersible | Oilfilled | | Ajr |
| 10 G Sakthivel | Ganapathyappan | 9842258083 | 5 | 10 AC | Submersible | Oilfilled | | Ajr |
| 11 Subramanian | Arumugam | 9360297450 |) | 10 AC | Submersible | Oilfilled | | Ajr |
| 12 V Thangavel | Vellappa Gounder | 9865286850 |) | 10 AC | Submersible | Oilfilled | | Ajr |
| 13 Saranya | Bhavan | 7339311411 | L | 10 AC | Submersible | Oilfilled | | Ajr |
| 14 MADHU P | PERIYASAMY | 9944244442 | 2 | 10 AC | Submersible | Oilfilled | | Ajr |
| 15 U.Krishnamoorthy | Uthandi | 8903159375 | 5 | 10 AC | Submersible | Oilfilled | | Ajr |
| 16 S.Viswanatha Bharathi | C.Selvaraj | 9585823459 |) | 10 AC | Submersible | Oilfilled | | Ajr |
| 17 Ganesan | Ramasamy | 9486394829 |) | 5 AC | Submersible | WaterFilled | | Ajr |
| 18 bharathamani | ayyasamy | 9442161074 | 1 | 5 DC | Submersible | WaterFilled | | Ajr |
| 19 Allahyddin basha | Abdul munaf | 9597362805 | 5 | 5 DC | Submersible | WaterFilled | | Ajr |
| 20 dev anand | Vijayan | 7502843334 | 1 | 5 DC | Submersible | WaterFilled | | Ajr |
| 21 Ramathal | Palaniswamy | 8072972064 | L . | 5 DC | Submersible | WaterFilled | | Ajr |
| 22 Mahesh | Gangeswaran | 9620412350 |) | 5 DC | Submersible | WaterFilled | | Ajr |
| 23 Sivanantham | Subbu | 9965877688 | 8 | 5 DC | Submersible | WaterFilled | | Ajr |
| 24 Thirumathal | Nagamuthusamy | 9688023392 | 2 | 5 DC | Submersible | WaterFilled | | Ajr |
| 25 Padma Kumar | Venkatasamy | 975161975 | 5 | 5 DC | Submersible | WaterFilled | | Ajr |
| 26 Annadurai | Perumal | 9843383771 | L | 5 AC | Submersible | WaterFilled | | Ajr |
| 27 Rangan | Maruthan | 9843817954 | L | 7.5 DC | Submersible | WaterFilled | | Ajr |
| 28 Narayanan | Nagamoopan | 7639792667 | 7 | 5 AC | Submersible | WaterFilled | | Ajr |
| 29 Varadaraj | sundaragovundar | 9843545265 | 5 | 10 AC | Submersible | Oilfilled | | Ajr |
| 30 Priya | Sivanupandiyan | 9943166229 | | 10 DC | Submersible | Oilfilled | | Ajr |
| ←→ Sheet1 (+) | | | | 4 | | | | Þ |

FIGURE 104 DETAILS DASHBOARD EXCEL FILE (II)

User Manual – Jammu and Kashmir State SEDM Platform (Component – B)

| N | 0 | Р | Q | R | S | Т | U | V | |
|------------------------|----------------|--------|----------------------|--------------------|----------------------|-------------------------------|-----------------|-------------------------|-----------|
| 1 2 Location Taluka | Location Block | Gender | Application Category | Applicant Category | Land Coverage (Sq m) | Irrigation Mode | Source Of Water | Water Depth Level (ft.) | SPVCapaci |
| 3 Ajnala | | Female | Marginal Farmer | Open | | 1 | Bore Well | | 0 |
| 4 Ajnala | | Female | Marginal Farmer | Open | | 1 | Bore Well | | 0 |
| 5 Ajnala | | Male | Marginal Farmer | Open | | 1 | Bore Well | | 0 |
| 6 Ajnala | | Female | Small Farmer | Open | | 1 Micro Irrigation | Bore Well | | 0 |
| 7 Ajnala | | Female | Others | Open | | 1 Underground pipeline (UGPL) | Open Well | | 0 |
| 8 Ajnala | | Male | Others | Open | | 4 Underground pipeline (UGPL) | Bore Well | | 0 |
| 9 Ajnala | | Male | Others | Open | | 4 Underground pipeline (UGPL) | Open Well | | 0 |
| 10 Ajnala | | Male | Others | Open | | 0 | Bore Well | | 0 |
| 11 Ajnala | | Male | Others | Open | | 0 | Bore Well | | 0 |
| 12 Ajnala | | Male | Others | Open | | 0 | Bore Well | | 0 |
| 13 Ajnala | | Female | Others | Open | | 2 | Bore Well | | 0 |
| 14 Ajnala | | Male | Others | Open | | 0 | Bore Well | | 0 |
| 15 Ajnala | | Male | Marginal Farmer | Open | | 1 Underground pipeline (UGPL) | Bore Well | | 0 |
| 16 Ajnala | | Male | Marginal Farmer | General | | 4 | Bore Well | | 0 |
| 17 Ajnala | | Male | Marginal Farmer | Open | | 1 Underground pipeline (UGPL) | Bore Well | | 0 |
| 18 Ajnala | | Female | Others | Open | | 2 Underground pipeline (UGPL) | Bore Well | | 0 |
| 19 Ajnala | | Male | Others | Open | | 1 Underground pipeline (UGPL) | Surface Tank | | 0 |
| 20 Ajnala | | Male | Others | Open | | 4 Underground pipeline (UGPL) | Bore Well | | 0 |
| 21 Ajnala | | Female | Marginal Farmer | Open | | 1 Micro Irrigation | Bore Well | | 0 |
| 22 Ajnala | | Male | Others | Open | | 4 Underground pipeline (UGPL) | Open Well | | 0 |
| 23 Ajnala | | Male | Others | Open | | 6 Underground pipeline (UGPL) | Bore Well | | 0 |
| 24 Ajnala | | Female | Others | Open | | 4 Underground pipeline (UGPL) | Bore Well | | 0 |
| 25 Ajnala | | Male | Others | Open | | 6 Underground pipeline (UGPL) | Open Well | | 0 |
| 26 Ajnala | | Female | Marginal Farmer | SC/ST | | 1 Micro Irrigation | Bore Well | | 0 |
| 27 Ajnala | | Male | Small Farmer | SC/ST | | 2 Micro Irrigation | Bore Well | | 0 |
| 28 Ajnala | | Male | Small Farmer | SC/ST | | 1 Underground pipeline (UGPL) | Bore Well | | 0 |
| 29 Ajnala | | Male | Others | Open | | 1 Underground pipeline (UGPL) | Bore Well | | 0 |
| 30 Ajnala | | Female | Marginal Farmer | Open | | 1 | Bore Well | | 0 |
| Sheet | 1 (+) | | | | ÷ (| | | | Þ |

FIGURE 105 DETAILS DASHBOARD EXCEL FILE (III)

> PDF file output - as shown in Figure 106

| Update Status | Application Status | Farmer Share Received (INR with GST) | Survey Done By | Order Placed To EA | Farmer Name | Father/Husband Name | Mobile No. | Required Pump Capacity (HP) | Required Pump Type | Required Pump Sub Type | Required Pump Category | Location Town |
|---|---------------------------------------|--|----------------------------------|--------------------------|--------------|------------------------|------------|--------------------------------------|--------------------------|------------------------------|------------------------------|------------------|
| Order to EA Update Download Installation Report (PCR) | Applicant Contribution Received | 71384 | Sri Savitir Solar pvt I td | | Nanjan lachi | Lachi | 9159576032 | 5 | AC | Submersible | WaterFilled | |
| Farmer Share Update Order to EA Update Download Installation Report (PCR) | Authentication | | Sri Savitir Solar pvt Ltd | | Maniyan | Rangan | 8111070102 | 5 | AC | Submersible | WaterFilled | |
| Farmer Share Update Order to EA Update Download Installation Report (PCR) | Authentication | | | | Mahesh | Gangeswaran | 9620412350 | 5 | DC | Submersible | WaterFilled | |
| Farmer Share Update Order to EA Update Download Installation Report (PCR) | Authentication | | | | Sivanantham | Subbu | 9965877688 | 5 | DC | Submersible | WaterFilled | |
| Farmer Share Update Order to EA Update Download Installation Report (PCR) | Authentication | | | | Thirumathal | Nagamuthusamy | 9688023392 | 5 | DC | Submersible | WaterFilled | |
| Farmer Share Update | Authentication | | | | Padma Kumar | Venkatasamy | 975161975 | 5 | DC | Submersible | WaterFilled | |

FIGURE 106 DETAILS DASHBOARD PDF

• The users can choose to see only the relevant information as required by them by selecting the necessary columns under the 'Show/Hide' columns. (highlighted in sky blue in Figure 96)

| Show | Show / hide columne | | | |
|----------------|---------------------|-----------------|---------|-------------------|
| apacity (HP) 0 | Pump Type 0 | Pump Sub Type 0 | Pump | 🖸 Scheine Program |
| | AC | Submersible | Water | Site Survey Deta |
| | | | 83207 | 🛛 Update Status |
| | | | | Application Stati |
| | DC | Submersible | Water | Survey Done By |
| | | | | Order Place To E |
| | AC | Submersible | Water | SARAL Number |
| | | | | 🖸 Farmar Nama |
| | | | | C Father/Husband |
| | AC | Submersible | VVater | Mobile No. |
| | | | | Purp Capacity (|
| | DC | Surface | Water | Pure Type |
| | | | | 🛃 Pure Sub Type |
| | DC | Cubmanihia | 101-0-0 | Pump Calegory |
| | | Submersible | vvalen | Location Town |
| | | | | Location Taluka |
| | DC | Submersible | Water | Location Block |
| | | | | Gender |
| | | | | |

FIGURE 107 SHOW / HIDE COLUMNS FILTER

• In Figure 96, 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 108)

Scheme Progress Of: Nithyanananthan Application No: //PMKUSUSM-B/453 Mobile No: 9464024594

| Sr No. | Status | Date | Status Updated By | Mobile No of Status updated by | |
|-----------|---------------------------------|------------|-------------------|-----------------------------------|--|
| 1 | Application Received | 07-07-2020 | Pbho | 9988665522 | |
| 2 | Site Survey Done | 06-07-2020 | Pbho | 9988665522 | |
| 3 | Feasible Application | 06-07-2020 | Pbho | 9988665522 | |
| 4 | Applicant Contribution Received | 09-07-2020 | Pbho | 9988665522 | |
| 5 | Order placed to EA | 21-08-2020 | Pbho | 9988665522 | |
| 6 | Lot & Doc. Creation by EA | | | | |
| 7 | Lot & Doc. Verified | | | | |
| 8 | PreDispatch Inspection | | | | |
| 9 | Dispatched | | | | |
| 10 | Installation & Commission | | | | |
| 11 | I & C Verification | | | | |
| 12 | SFA Released | | | | |
| 13 | CFA Released | | | | |
| 14 | Application Rejected | | | | |
| 15 | On Hold | | | | |

FIGURE 108 SCHEME PROGRESS REPORT FOR CONSUMER/FARMER

×

• Similarly, by clicking on the icon (highlighted in purple in Figure 96) 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.

| 20 | Size of Existing bore well (in inches) | | | | |
|----|---|---------------------------------------|--|--|--|
| 21 | Source of power for existing pump | Diesel Pump | | | |
| 22 | Is farmer having electric connection of the DISCOM at the site? | | | | |
| 23 | Photograph of site | Attachments :- % No Document Found | | | |
| 24 | UGPL/Sprinkler/Drip irrigation installed | Micro Irrigation | | | |
| 25 | Is Site Suitable For Installation Of Solar Pump | NO | | | |
| 26 | Farmer Consent Form | Attachments :- % No Document Found | | | |
| 27 | Survey Done By | Sri Savitir Solar pvt Ltd - TNADMIN | | | |
| 28 | Latitude | | | | |
| 29 | Longitude | | | | |
| 30 | Reason From Discom Officer | | | | |
| 31 | Remarks By Surveyor | | | | |
| | ReSiteS | urvey Hold Accept Reject | | | |

FIGURE 109 SITE SURVEY DETAIL OF CONSUMER/FARMER

 At the end of the report form, user can see 4 button options (in above Figure 109) – ReSiteSurvey, Hold, Accept, and Reject. These buttons are solely under the authorisation of District Officer or District Office. The SIA user can give the application to the corresponding Empanelled Agency for ResiteSurvey or Accept the farmer application or Reject the farmer application or put the application on hold after reviewing all the documents and photos submitted by the farmer and EA. (click here to know more)

14. FEASIBLE APPLICATION

- 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 110

| ▦ | ANANTNAG ~ | ALL | | ~ | ALL | ~ | GO | |
|---|----------------|------|--|---|---------|---|----|------------|
| Г | ALL Capacity | | | A | LL | | ~ | All Status |
| | CSV Download E | xcel | | | Search: | | | |

FIGURE 110 DETAILS

- After Aadhaar Authentication, to update the scheme progress, authorized user can change the status "Feasible Application".
- In Details dashboard as shown in below figure, Consumer/Farmer details are displayed along with the blue buttons of Status in third column. (highlighted in red in below Figure 111)

| - | Home Consumer Scheme P | rogress Asset Live Monitorin | Performance Analysis | Device Registration | User Role Complain | | En | glish 🗸 🏹 | ntellisc | |
|---|--|--|---|---------------------|------------------------|-------------------|---------------------------|--------------------------------|--------------------------------|-----------------------------|
| III Farmer List | y GO | | | A Download | District Survey Summ | ary Download D | ata Add New A | pplications | Add Farmer Ex | cel Format |
| ALL | ALL | All Status | v Upic | ad Consumer CSV | Choose File No file o | hosen | Upload | | | _ |
| CSV Download Excel PDF | Search: | | | | | Sho | w 10 🗸 entri | 15 | Show / hide | columns |
| Scheme Survey Progress Details O Details update | Update Status | Application Status (INR with GST) | Survey Order Done O Placed O By To EA |) Farmer Name 🗘 | Father/Husband Name | Mobile No. (HP | red P ity 0 Type | Required Pump Sub 🔿 Type | Required Pump O Category | Delete Farmer \diamond |
| | | | | | | | | | | |
| Common | armer Share Update Order to EA Update Id Installation Report (PCR) | Authentication | Sri Savitir Solar pvt Ltd | Ganesan | Ramasamy | 9405394629 5 | AC | Submersible | WaterFilled | |
| Com Common | armer Share Update Order to EA Update id Installation Report (PCR) | Authentication | CRI Pumps Pvt. Ltd | Varadaraj | sundaragovundar | 9843545265 10 | AC | Submersible | Olifiled | ۵ |

FIGURE 111 DETAILS DASHBOARD

• User has to click on the user icon (highlighted in red in above Figure 111).

| 20 | Size of Existing bore well (in inches) | |
|----|---|---------------------------------------|
| 21 | Source of power for existing pump | Diesel Pump |
| 22 | Is farmer having electric connection of the DISCOM at the site? | |
| 23 | Photograph of site | Attachments :- % No Document Found |
| 24 | UGPL/Sprinkler/Drip irrigation installed | Micro Irrigation |
| 25 | Is Site Suitable For Installation Of Solar Pump | NO |
| 26 | Farmer Consent Form | Attachments :- % No Document Found |
| 27 | Survey Done By | Sri Savitir Solar pvt Ltd - TNADMIN |
| 28 | Latitude | |
| 29 | Longitude | |
| 30 | Reason From Discom Officer | |
| 31 | Remarks By Surveyor | |
| | ReSiteS | Survey Hold Accept Reject |

FIGURE 112 SITE SURVEY DETAILS

- The above report form is generated under the Site Survey details tab of the Consumer/Farmer details.
- The authorized user will Site Resurvey / Accept / Reject / Hold the application according to the site survey details.
- To change the application status to "Feasible Application", user has to click on the "Accept" button. (pointed in the below Figure 113)


FIGURE 113 APPLICATION ACCEPT BUTTON



FIGURE 114 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 114) and have to give the reason for the same.

| Add Reason For | × |
|---------------------------------|------|
| Note: (MaxLength 500 Character) | |
| Close | Save |

FIGURE 115 REASON FOR APPLICATION HOLD/REJECT



FIGURE 116 FARMER APPLICATION FLOW CHART

15. FARMER SHARE RECEIVED

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

-

- > Navigation Steps to change application status Farmer Share Received :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the "Details" on Consumer Module as shown in below figure





- After the application is accepted/feasible, SIA users has to change the status "Farmer Share Received".
- In Details dashboard as shown in below figure, Consumer/Farmer details are displayed along with the blue buttons of Status in third column. (highlighted in red in below Figure 118)

| | | Hame Consumer Scheme | Progress Asset | Live Monitoring Pro | stormance : salysis | ¢ Setting D Rey | evice User pstration Role | Complaint | | 2 | | Succe Paymen | ss nt From Consumo | r Successfu®y D | one I |
|-------------------------------|--|---|----------------|---------------------------------------|--|------------------------------------|---------------------------------|------------------|-------------------------|-------------|--|--------------------------|------------------------------|--------------------------------|-----------------|
| Farmer Li | st | ~ | 00 | | | | _ | Download | District Survey Summ | way ≜0 | ownload Duta | +Add No | w Replications | 🛦 Add Farmer (| Excel For |
| ALL CSV | Download Excel | POP Sear | n[| All Status | | | Upload Co | nsumer CSV Cho | ose File No file cho | ien | Upload Show 1 | o v entries | | Show / h | ide column |
| Scheme Progress Details | Site Survey Details C and Update | Update Stat | us | C Application C Status | Farmer Share Received ((INR with GST) | Servey Done O By | OrderPlace of To EA | Farmer Name 🔿 | Fatherfftenband Rame | M.484 No. 0 | Required Pump Capacity 0 (HP) | Required Pump Type | Required Pump Sub Type | Required Pump C Category | Deleta Farme |
| | | Order to EA Update | 23-08-2021 | Order placed to EA | 148598 | CRI Pumps Private Limited | CRI Pumps Private Limited | M Samikannu | Mari (a) Mariappan | 9994316645 | 10 | AC | Submersible | Citlied | 8 |
| | | Order to EAUpdate | | Applicant Contribution Received | 71384 | | | K Perlasamy | Thimman | 9943769907 | 5 | AC | Submersible | WaterFilled | 0 |
| | | Farmer Share Update Order to EA Update | | Authentication | | | | RAMESH | APPAJI | 9976596839 | 5 | AC | Surface | | 0 |
| | 4 | Developed Installation Hoport (PCR Farmer Share Update Order to EA Update | | Authentication | | | | Arunagiti G | Gundan | 9943945350 | 7.5 | oc | Submersible | WaterFilled | 0 |
| | - | Download Installation Report (PCR Order in EAUadate | 25-05-2020 | Order placed | 72691 | | | Soundhirarajan V | Varadharajan.A | 9843614720 | 5 | DC | Submersible | WaterFilled | 0 |

FIGURE 118 UPDATED FARMER SHARE RECEIVED

- User has to click on "Farmer Share Update" button (highlighted in red in Figure 118) to change the Consumer/Farmer application status to "Farmer Share Received".
- When the button "Farmer Share Update" is clicked, a success message will arrive i.e. "Payment from Consumer Successfully Done!" (highlighted in blue in Figure 118)

NOTE: To update status "Farmer Share Received" in **bulk** i.e. of multiple consumers/farmers at once, click <u>here</u> to know more.

16. ORDER PLACED TO EMPANELLED AGENCY (EA)

- 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 Order Placed to EA :-
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the "Details" on Consumer Module as shown in below Figure 119 Details



FIGURE 119 DETAILS

- After Farmer Share Received, authorized users has to change the status "Order Placed to EA".
- In Details dashboard as shown in below figure, Consumer/Farmer details are displayed along with the blue buttons of Status in third column. (highlighted in red in below figure 100)

| | | Home Consumer | Scheme Progress | e Monitoring T Analys | mance Setting I | Cevice Registration U | ser Role Complaint | | | Englis | • • • * • | tellisca | |
|-------------------------------|--|---|--------------------------------|---|----------------------------------|-----------------------|--------------------------|--------------|--------------------------------------|--------------------------|--------------------------------|------------------------------|--------------------|
| III Farmer L | ist | ↓ 60 | | | | 📥 Downlor | ad District Survey Sur | nmary D | ownload Data | Add New A | oplications | a Add Farmer B | ixeel Format |
| ALL | | ~ ALL | ✓ Site Sur | vey Done | Uplos | ed Consumer CSV | Choose File No file | chosen | Upload | 1 | | | |
| CSV | Download Exc | el PDF Search: | | | | | | | Show | 10 🗸 entrie | 15 | Show / hid | de columns |
| Scheme Progress Details | Site Survey Details and Update | Update Status | Application Status | Farmer Share Received () (INR with GST) | Survey Order Done By To EA | I 🗘 Farmer Name 🗘 | Father/Husband Name ≎ | Mobile No. 🗘 | Required Pump Capacity (HP) | Required Pump Type | Required Pump Sub 🗘 Type | Required Pump Category | Delete Farmer ≎ |
| | | | | | | | | 09 | | | | | |
| | | Crder to EA Update Download Installation Report (PCR) | Site Survey Done | () 8 | CRI Pumps Pvt. Ltd | Nithyanantham | Rangasamy | 0842230300 | 10 | AC | Submersible | Oifiled | |
| | | Farmer Share Update Order to EA Update Download Installation Report (PCR) | Site Survey Done | 5 | CRI Pumps Pvt. Ltd | Sathiskumar | Arumugam | 9500094949 | 10 | AC | Submersible | Olfiled | |

FIGURE 120 DETAILS DASHBOARD

- User has to click on "Order to EA Update" button (highlighted in red in above Figure 120) to change the Consumer/Farmer application status to "Order Placed to EA".
- When the user will click on the "Order Placed to EA" button, a small window will open for assigning Empanelled Agency (EA) to the particular Consumer/Farmer. (as shown in below Figure 121)

| mpanelled Agency | |
|--|---|
| Select Empanelled Agency | |
| Sai Babuji Project Pvt. Ltd | ~ |
| Sai Babuji Project Pvt. Ltd Rajasthan Electronics and Instruments Limited Jaipur Tata Power Solar Systems Limited Shakti Pumps I Ltd Solex energy limited Sungrace Energy Solution Pvt. Ltd Junna Solar Systems Pvt. Ltd | |
| Sri Savitir Solar pvt Ltd Swelect Energy Systems Limited CRI Pumps Pvt. Ltd | |

FIGURE 121 ASSIGN EA TO THE CONSUMER/FARMER.

- Selected Empanelled Agency can see those consumers/farmers which are assigned only to them only and not the one that are assigned to other Empanelled Agencies.
- Selected Empanelled Agency can change the further status of the consumers/farmers that are assigned only to them.

| | | Home Consu | mer Scheme Progres | s Asset Uve Mor | nitoring Performance | Setting (| C Device Registration | User Role Comple | e . | | Engl | sh 🕶 🤇 İn | tellisc | |
|-------------------------------|--|---|--------------------|---------------------|--|--------------------------|--------------------------|------------------------|----------------|--------------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|
| Farmer L | ist | ų G | 0 | | 1.0000.0000 | | A Downs | oad District Survey ! | Summey | Suc | xcess er To Agency | Successfully I | Done I | |
| ALL | Download Excel | ALL POF Search: | Y | Site Survey D | lone | y Uploa | ed Consumer CSV | Choose File No f | lle chosen | Show | 10 🗸 entr | ies. | Show / h | ide columns |
| Scheme Progress Details | Site Survey Details 0 and Update | Update Statu: | s o | Application Status | Farmer Share Received Cone (INR with GST) | Order Placed To EA | C Farmer Name : | Father/Husband Name | 0 Mobile No. 0 | Required Pump Capacity (HP) | Required Pump Type | Required Pump Sub O Type | Required Pump O Category | Delete Farmer |
| | | Order to EA Update Download Installation Report (PCF | 14-07-2021 | Order placed to EA | CRI Pumps Pvt. Lid | | Nithyanantham | Rangasamy | 9842239309 | 10 | AC | Submersible | Orfiled | |
| | | Farmer Share Update Order to EA Update Download Installation Report (PCR) | | Site Survey Done | CRI Pumps Pvt. Ltd | | Sathiskumar | Arumugam | 9000094949 | 10 | AC | Submersible | Oiflied | ۵ |



 When the button "Order to EA Update" is clicked, a success message will arrive i.e. "Order To Agency Successfully Done !" (highlighted in blue in Figure 122 and a date (on which the button "Order to EA Update" is clicked and Empanelled Agency is assigned) will appear just beside the "Order to EA Update" button (highlighted in red in above Figure 122) which means that status "Order Place to EA" is updated.

NOTE: To update status "Order Placed to EA" in **bulk** i.e. of multiple consumers/farmers at once, click <u>here</u> to know more.

17. ASSET TEST REPORT CREATION BY EA

- Empanelled Agency (EA) is the authorized user for creation of Asset Test Report.
- Before Asset Test Report creation, Organization admin of Empanelled Agency has to add the "<u>Asset Model Numbers</u>", its "<u>Manufacturer</u>" details and "<u>SubLocation of Under Inspection Store</u>" in master settings.(click on the blue highlighted underlined link to know how to add these details)
- These details will be added in Asset Test Reports which further will be added while Lot Creation. (click here to know more)
- Creation of Asset Test Reports serves the purpose that Empanelled Agency can supply assets i.e. Solar Pump, Solar Panel, Pump Controller and Structure, against these Test Reports only.
- Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Asset' option on the Title Bar of the SEDM Portal Dashboard
 - 3. Click on the 'Test Report' option from the drop-down menu
- Sign In >> Asset Management >> Test Report





In this feature of Asset Management, a complete Test Report is generated for the users comprising Test Report Number, Empanelled Agency, Test Report Agency, Report Issue Date, Description and Test Report Documents.

| | R Home | Lonsumer | Scheme Progress | Asset | Live Monitoring | Performance Analysis | ¢ Setting | Device Registration | User Role | Complaint | English | |
|------------------------|------------------|----------------|-----------------|-------|-----------------|-------------------------|---------------------|------------------------|--------------|-----------|---------|-------------------------|
| Asset Test Report List | Solex E | Energy Limited | ~ | | | | | | | | Delete | + Add Asset Test Report |
| Search: | | | | | | | | | | | | Show 100 V entries |

| | Select | Test Report Number 🛛 🗠 | Empanelled Agency 🗘 | Test Report Agency/Insitute 🗘 | Set/Individual 🗘 | Test Report Issue Date 💲 | Test Report Document 🗘 | Description 🗘 |
|------|---------------|------------------------|----------------------|-------------------------------|------------------|--------------------------|------------------------|-----------------|
| | | Solex25100 | Solex Energy Limited | Solex test report | Set | 20-12-2020 00:00:00 | N | Test report |
| | | StruSol123 | Solex Energy Limited | Solex | Individual | 20-11-2020 00:00:00 | 8 | Structure Solex |
| Show | wing 1 to 2 o | of 2 entries | | | | | | Previous 1 is d |

FIGURE 124 ASSET TEST REPORT

Table 45 ASSET TEST REPORT DASHBOARD DESCRIPTION

| Action | Functionality | Highlighted Colour | Туре | Description |
|--------------------------|---|-----------------------|-------------|--|
| Empaneled Agency | Empanelled Agency Selection | Orange | Drop Down | By selecting an Empanelled Agency, user can Test Reports of selected Empanelled Agency only |
| Search | Search Asset Test Report | Red | Text Box | Enter input to explore Asset Test Report details |
| Delete | Delete Asset Test Report | Green | Button | Select check box (highlighted in pink) and click on delete button to delete Asset test report details |
| Add Asset Test Report | Add new Asset Test Report | Blue | Button | Add new asset test report by clicking on Add Asset Test Report button |
| Export | Excel file of all uploaded Asset Test Report details | Yellow | Button | Download Excel file of all uploaded Asset Test Report details |
| Test Report Document | Download uploaded document of asset test report | Black | Icon Button | Download uploaded asset test report document by clicking on the blue pin icon. |

| Test Report Information | | |
|---|----------------------------------|-----------------------------------|
| Empanelled Agency* | Select Set/Individual* | |
| Junna Solar Systems Pvt Ltd | ✓ Set ✓ | • |
| Description | Test Report Issue Date* | Test Report Document* |
| Description | | Choose File No file chosen |
| | This field is required. | Enter Test Report Document |
| Test Report Number* | Test Report Agency/Institute* | Component* |
| Test Report Number | Test Agency Name | Component B - Off Grid Solar Pump |
| Enter Test Report Number | Enter Test Report Agency Name | J |
| Pump Type* | Pump Sub Type* | Pump Category* |
| Please Select | ✓ Please Select ✓ | Please Select |
| Please Select Pump Type | Please Select Pump Sub Type | Please Select Pump Category |
| Pump Capacity* | Manufacturer* | Model No.* |
| Please Select | ✓ Please Select ✓ | • |
| Please Select Pump Capacity Serial No. | Please Select Pump Manufacturer | Please Select Product |
| Serial Number | | |
| Solar Panel(Module) | | |
| Solar Panel Capacity (watts)* | Manufacturer* | Model No.* |
| Enter Solar Capacity | Please Select 🗸 | • |
| Please Select Solar Capacity | Please Select Solar Manufacturer | Please Select Product |
| Serial No. | | |
| | | |
| Pump Controller | | |
| Manufacturer* | Model No.* | Serial No. |
| Please Select | ~ ~ | Serial Number |
| Please Select PumpController Manufactu | urer Please Select Product | |

FIGURE 125 ADD ASSET TEST REPORT

| Field | Input | Drop Down & Check Box Options | Mandator v Field | Sample Value | Description |
|--|----------------|---|---------------------|---|--|
| Empanelled Agency | Drop Down | Sai Babuji Project Pvt. Ltd. Sri Savitir Solar Pvt. Ltd.CRI Pumps Pvt. Ltd. Shakti Pumps Ltd. | √ | Sri Savitir Solar Pvt. Ltd. | Selection of relevant Empanelled Agency |
| Test Report Number | Text | - | ✓ | MRTCTP093202 00111 | Selection of no of Test Report |
| Test Report Agency | Text | - | ✓ | MAXOP RESEARCH & TESTING INSTITUTE PVT LTD. | Agency name of test report |
| Description | Text | - | - | PV WATER PUMPING SYSTEM | - |
| Test Report Issue Date | Date | - | ✓ | 02/12/2020 | - |
| Test Report Document (max size 5 MB) | File Upload | - | ✓ | Report.pdf (size 4.50 MB) | - |
| Select Set/Individual | Drop Down | - Set - Individual | | Set | Selection of either Set report (includes all 3 assets i.e. Pump, Solar Pump & Pump Controller) or Individual (Selection of only 1 asset either Pump or Solar Pump or Pump Controller or Structure) |
| Select Asset Type | Drop Down | Pump Solar Panel Pump Controller with RMS Structure | ~ | Pump | If Individual is selected instead of Set from above Drop Down, Selection of any one asset to create an individual Asset Test Report |
| Component | Drop Down | Distributed Solar PV Off Grid Solar Pump Grid Connected Solar Pump | ✓ | Off Grid Solar Pump | Selection of relevant Component from all three components |
| | | Pump | | | |
| Pump Type | Drop Down | - AC - DC | ~ | AC | Selection of relevant Pump Type |

Table 46 ASSET TEST REPORT FIELD DESCRIPTION

| Pump Sub Type | Drop Down | SubmersibleSurface | ✓ | Submersible | Selection of relevant Pump Sub Type |
|---------------------------------|--------------|--|----|-----------------------------|---|
| Pump Category | Drop Down | Water FilledOil Filled | ✓ | Water Filled | Selection of relevant Pump Category |
| Pump Capacity | Drop Down | 1 hp 2 hp 3 hp 5 hp 7.5 hp 10 hp | ✓ | 5 hp | Selection of relevant Pump Category |
| Manufacturer | Drop Down | M/s. Suguna Industries M/s. Mecwin Technologies Pvt. Ltd. | ✓ | M/s Sugna Industries | Selection of relevant Pump Manufacturer |
| Model no. | Drop Down | SSAC SRF 5/24 SSAC SRF 7.5 SSDC SRF 7.5/13 | ✓ | SSAC SRF 5/24 | Selection of relevant Pump Model No. |
| Serial no. | Text | - | - | = | - |
| | | Solar Panel | | 1 | |
| Solar Panel Capacity (watts) | Numerical | - | ✓ | 320 | - |
| Manufacturer | Drop Down | M/s. Sri Savitri Solar Pvt. Ltd. M/s Suguna Industries Oswal Pumps Premier Solar Pump | ✓ | M/s Sri Savitr Solar Pvt | Selection of relevant Solar Panel Manufacturer |
| Model no. | Drop Down | - SSSPL-302 - SSSPL-310 | ✓ | SSSPL-302 | Selection of relevant Solar Panel Model No. |
| Serial no. | Text | - | - | - | - |
| | - | Pump Controll | er | | |
| Manufacturer | Drop Down | M/s. Sri Savitri Solar Pvt. Ltd. M/s Suguna Industries Oswal Pumps Premier Solar Pump | ~ | M/s Suguna Industries | Selection of relevant Pump Controller Manufacturer |
| Model no. | Drop Down | - SSAC 05 - SSAC 7.5 - SSDC 7.5 | ✓ | SSAC 05 | Selection of relevant Pump Controller Model No. |
| Serial no. | Text | - | - | - | - |

- Report can be created in two ways i.e. either a set report (includes all three assets details i.e. Solar Pump, Solar Panel and Pump Controller) or an individual asset report (includes either of 4 assets details i.e. either Solar Pump report or Solar Panel report or Pump Controller report or Structure report)
- Creation of a Set Report

| Add New Test Report | | | | | | × |
|------------------------------|-------------------------|-------------------------|---|-----|---------------------------|------|
| Test Report Information | Test Report Information | | | | | |
| Empanelled Agency | | Select Set/Individual | | | | |
| Sri Savitir Solar pvt Ltd | ~ | Set 🗸 | | | | |
| Description | | Set Individual | | Tes | t Report Document | |
| Set Report | | 02/07/2021 | | C | hoose File No file chosen | |
| Test Report Number | | Test Report Agency | | Cor | nponent | |
| MRTC34276 | | MAXOP | | Off | Grid Solar Pump | ~ |
| Pump | | | | | | |
| Burne Ture | | Burne Sub Tures | | Bue | | |
| AC | ~ | Submersible | ~ | Wat | er Filled | ~ |
| Pump Capacity | | Manufacturer | | Mod | del No. | |
| 5 HP | ~ | M/s. Suguna Industries. | ~ | SSA | AC SRF 7.5 | ~ |
| Serial No. | | | | | | |
| Serial Number | | | | | | |
| | | | | | | |
| Solar Pannel | | | | | | |
| Solar Panel Capacity (watts) | ľv | lanufacturer | | | Model No.* | |
| Enter Solar Capacity | P | lease Select | | ~ | Please Select | ~ |
| Serial No. | | | | h | | |
| | | | | | | |
| Pump Controller | | | | _ | | |
| M | | | | | O - d - l Ni- | |
| Please Select ~ | P | lease Select | | ~ | Serial Number | |
| | | | | | | |
| | | | | | Cance | Save |

FIGURE 126 SET REPORT

By selecting "Set" in Select Set/Individual dropdown (highlighted in red in above Figure 126), user can create a set report that includes all three assets details i.e. Solar Pump, Solar Panel and Pump Controller.

Creation of an Individual Report

| Add New Test Report | | | | | × |
|--|---|-------------------------|---|---------------------------------------|------|
| Test Report Information | | | | | |
| Empanelled Agency Sri Savitir Solar pvt Ltd | ~ | Select Set/Individual | ~ | Select Asset Type | ~ |
| Description | | Set Individual | | Pump Solar Panel | |
| Set Report | | 02/07/2021 | | Pump Controller with RMS Structure | |
| Test Report Number | | Test Report Agency | | Component | |
| MRTC34276 | | MAXOP | | Off Grid Solar Pump | ~ |
| Pump Pump Type | | Pump Sub Type* | | Pump Category* | |
| AC | ~ | Submersible | ~ | Water Filled | ~ |
| Pump Capacity | | Manufacturer | | Model No. | |
| 5 HP | ~ | M/s. Suguna Industries. | ~ | SSAC SRF 7.5 | ~ |
| Serial No. | | | | | |
| Serial Number | | | | | |
| | | | | Cancel | Save |

FIGURE 127 INDIVIDUAL REPORT

By selecting "Individual" option in Select Set/Individual dropdown (highlighted in red in above Figure 127), user can create an individual report of either of four assets i.e. report of either Solar Pump or Solar Panel or Pump Controller or Structure. (selection of asset type shown in above Figure 127, highlighted in blue)

NOTE: The report of 'Structure' will not be a part of set so it can be created only by selecting "Individual" option in Select Set/Individual dropdown.

18. LOT CREATION & UPDATING PDI STATUS

- > Empanelled Agency (EA) is the authorized user for creation of Lot & Document.
- Lot creation serves the purpose of adding asset details like Manufacturer details, Asset Model nos. and Asset Serial nos. which further will be utilized for Asset Serial no. Mapping with the consumers/farmers.
- > Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Asset' option on the Title Bar of the SEDM Portal Dashboard
 - Sign In >> Asset >> Lot Management



FIGURE 128 LOT MANAGEMENT OPTION

- > Below are the brief points covered under this module:
 - Template Generation: Register a tender and generate specification Checklist template against individual items
 - Asset Registration: Empanelled Agencies can register bulk assets against a lot prepared for PDI (Pre-Dispatch Inspections)
 - **Multiple Asset Type Configurations:** A virtual inventory management of multiple asset type such as Solar Assets, Pump Assets, Metering Assets, Remote Monitoring and Data Acquisition System
 - Asset Lot Management: To create consignment lot of multiple assets with serial numbers for Pre-Dispatch Inspection and Check List submission
 - Asset Check List: Empanelled Agencies can fill up check list against template requirements with required documents to speed up PDI such as Ratings, Specifications, Type Tests, Certificates
 - **Consumer/Farmer Asset Registration Mapping:** Mapping of asset details provided to each customer with the standard inventory, which can be later utilized to address service.

- Make, Model No, Serial No, Manufacturing Date
- The Lot Management feature of Asset Management module offers users a useful functionality of bulk mapping the asset tracking reports, view the Consumer/Farmer details, check the quantitative statistics, and manage documents for multiple Consumers/farmers all at once.

LOT CREATION





• On the Lot Management Dashboard, the users can create new Lot by clicking onto the 'Lot Creation' button present on the top right corner (highlighted in red in above Figure 129). After clicking onto the button, a window screen appears (shown in Figure 130) in which user must enter all the details and attach the required documents for necessary verification process.

Lot Details Step 1 - Lot Details Tender* Lot Ref No* Lot Name* Lot Ref No lot Name Please Select \mathbf{v} Inspection Call Date* Inspection Call Letter SubLocation Of UnderInspection Store * 26/05/2021 Choose File No file chosen Please Select \mathbf{v} Select Test Report * Asset Type* Manufacturer* Model No.* Add Asset Please Select Please Select \mathbf{v} \mathbf{v} \mathbf{v} ~ Quantity* Select SerialNo Input/CSV Select New Asset/Agency Store Quantity New Asset × INPUT ¥ Serial No.* (Note: Enter Comma Separated Serial Numbers) Select District* Select Capacity * Select Farmer Having Status* Capacity Not Selected - \mathbf{v} District Not Selected -Non-selected Applications Selected Applications Empty list Empty list Search Search →→ (Move All) → (Move Selected) + (Remove Selected) ←← (Remove All) Next

Bulk Asset Add

✓ Bulk Asset Mapping

FIGURE 130 LOT FORM

 \times

Table 47 LOT FIELD DESCRIPTION

| Field | Input | Drop Down & Check Box Options | Mandator v Field | Sample Values | Description |
|---|------------------------|---|-----------------------|------------------------------------|---|
| Lot Ref No. | Text | - | ✓ | 1 | - |
| Lot Name | Text | - | ✓ | LOT 1 | - |
| Tender | Drop Down | Off Grid Solar Pump Off Grid Solar Pump of 10 HP | ✓ | Off Grid Solar Pump | Selection of relevant Tender |
| Inspection Call Date | Date | - | ✓ | 26/05/2021 | - |
| Inspection Call Letter | File Upload Control | - | - | PDI1.pdf | - |
| Sub Location of Under Inspection Store | Drop Down | BANDIPORA, JAMMU AND KASHMIR DODA, JAMMU AND KASHMIR JAMMU, JAMMU AND KASHMIR | • | BANDIPORA,J AMMU AND KASHMIR | Selection of Under Inspection Store where assets are inspected. To register Sub Location of Under Inspection Store, click <u>EA Store Under</u> Inspection |
| Select Test Report | Drop Down | MRTCTP09320200111 MRTCTP09320200111- Structure MRTCTP09320200111- INDV Controller MRTCTP09320200111 Individual MRTCTP09320200111- Controller MRTCTP09320200111- Solar Panel MRTCTP09320200111- Struct | | MRTCTP0932 0200111 | Selection of relevant Asset Test Report |
| Asset Type | Autofill | - | ✓ | Pump | Auto-filled based on Test Report Selection |
| Manufacturer | Autofill | - | ✓ | Alectrona | Auto-filled based on Test Report Selection |
| Model No. | Autofill | - | ✓ | DC1HP | Auto-filled based on Test Report Selection |
| Quantity | Numerical | - | ✓ | 2 | No of Assets offered for lot creation |
| Select New Asset/Agency Store | Drop Down | New Asset Agency Store | - | New Asset | If asset is new then "New Asset" should be selected, if asset is need to be replaced from the Agency Store then "Agency Store" should be selected. |
| Select Serial No Input/CSV | Drop Down | - INPUT - CSV | ✓ | Input | If uploading Serial no. will be done manually in the Serial No. field |

| | | | | | then "Input" option should be selected. If uploading Asset Serial No. via CSV file then "CSV" should be selected against selected Asset Type |
|----------------------------|-----------------|---|---|------------------------|---|
| Upload Ser No. CSV | ial File Upload | - | ✓ | Asset Serial Nocsv | - |
| Serial No | . Numerical | - | ✓ | SRNO1, SRNO2 | Ensure Unique Serial nos are provided against each Asset Type, Model & Manufacturer |
| Add Asse | t Button | - | ~ | - | Click here to add new Asset Type to be included in Lot |
| Select Distr | rict Drop Down | BANDIPORA DODA JAMMU | ~ | BANDIPORA | Selection of relevant District from where the Consumers/farmers belong to for filtering purpose |
| Select Capacity | Drop Down | AC-5HP,Surface Pumps AC-7.5HP,Surface Pumps AC-10HP,Surface Pumps DC-5HP,Surface Pumps | ~ | AC-5, Surface Pumps | Selection of the relevant capacity for filtering purpose |
| Select Farm Having Stat | ner Autofill | - | | Order Placed to EA | Only list of farmers whose order has been placed and has not be included previously in any lot creation and farmers whose order has been placed to logged in EA will be available for selection, No of farmers to be selected cannot be greater than no of Pump Assets. |
| | | | ✓ | | |

Serial Nos. can be entered in two ways: Manually or by Uploading a CSV File.

Entering Serial Nos. Manually

• For entering asset serial nos. manually, EA user has to select "Input" in "Select Serial No. Input/CSV" dropdown as shown in below Figure 131 :

| Select SerialNo Input/CSV | |
|---------------------------|---|
| INPUT | ¥ |
| INPUT | |
| CSV | |



• After selecting "Input" EA user has to enter comma separated Serial nos.in "Serial No." field as shown in below Figure 132:

| Quantity* | Select New Asset/Agency Store | | Select SerialNo | Input/CSV | |
|----------------|-------------------------------|-----------|-----------------|-----------|----|
| 3 | New Asset | ~ | INPUT | ~ | |
| | Serial No.* | | | | |
| 1801,1802,1803 | | | | | // |
| | (Note: Enter Comma Separated | Serial Nu | umbers) | | |
| | | | | | |

FIGURE 132 ENTERING COMMA SEPARATED ASSET SERIAL NOS.

Uniqueness of Serial numbers is verified and validated considering Asset Type, Manufacturer and Model No

- Entering Serial Nos. via Uploading CSV.
- Before Creation of Lot, EA user has to create CSV files of Asset serial numbers and Application numbers of Consumers/Farmers.
- When the quantity of an asset is huge then EA user can upload the CSV file that carries Asset Serial Nos. instead of entering Asset Serial nos. manually.
- EA user can download Asset Serial No. CSV format by clicking on "Serial No. CSV format" button (highlighted in red in below Figure 133) in Lot Management dashboard.



FIGURE 133 SERIAL NO. CSV FORMAT BUTTON

| | Α | В | С | D | E | F |
|----|-----------|---|---|---|---|---|
| 1 | SerialNo. | | | | | |
| 2 | 12121 | | | | | |
| 3 | 21212 | | | | | |
| 4 | 32333 | | | | | |
| 5 | 23233 | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

FIGURE 134 SERIAL NO CSV FILE

Above shown Figure 134 is a CSV file format for uploading Asset Serial numbers in huge quantity where the heading in the 1st Row of the CSV file should remain as it is then EA user has to delete the demo serial nos shown in the above Figure 134 from the 2nd Row and has to enter their own asset serial number.

| Select District* | Select Capacity * | Select Farmer Having Status* | | |
|-------------------------|-------------------------|------------------------------|----|--|
| District Not Selected - | Capacity Not Selected - | ~ | Go | |

FIGURE 135 FILTERS TO FETCH OUT CONSUMER/FARMER'S APPLICATION NUMBERS

- In the above Figure 135, represented three filter options:
 - **Select District dropdown** where users can select multiple district entries corresponding to a Farmer.
 - **Select Capacity**, by using this filter users can filter the results for desired asset capacity. By clicking on the 'Go' button, all the farmers get categorised under 2 groups Selected & Non-selected Applications.
 - Select Farmer Having Status, this filter is by default selected to Order Placed to EA in order to bring out the list of consumers/farmers whose status is Order Placed to EA.

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| Select District* | Select Capacity | Select Farmer Having Status | | | |
|------------------|---------------------------|-----------------------------|--------|----------------------|-----------------|
| ANANTNAG - | Capacity Not Selected - | Order placed to EA | ~ | Go | |
| | Non-selected Applications | | | Selected Application | ns |
| | Empty list | | | Empty list | |
| Search | | | Search | | |
| ↔ (Move All) | → (Mov | e Selected) | | ← (Remove Selected) | ++ (Remove All) |
| | | A | | | * |
| | | - | | | - |

FIGURE 136 ADD ASSET BOX

- After the filtered results are displayed, the users can click on the 'Download Consumer/Farmer CSV' button to download the CSV file in which they can know the format of how to enter the farmer's Application numbers.
- The Authorised User can move farmers from Non-selected application to Selected applications, by either manually selecting
 each individual entry or by uploading the Consumer/Farmer CSV file, by entering the Application numbers of required farmers
 in CSV file, which then after being successfully uploaded will automatically move those farmers (whose application numbers
 are presented in CSV file) from Non-selected Applications column to Selected Applications column.
- All the entered application numbers of farmers in CSV file will be validated if their order has been placed to signed in EA.

| Select District* | Select Capacity | Select Farmer Having Status | | | |
|------------------|---------------------------|-----------------------------|--------|----------------------|-----------------|
| ANANTNAG - | Capacity Not Selected - | Order placed to EA | ~ | Go | |
| 1 | Non-selected Applications | | | Selected Application | ns |
| | Empty list | | | Empty list | |
| Search | | | Search | | |
| ↔ (Move All) | → (Mov | e Selected) | | ← (Remove Selected) | ++ (Remove All) |
| | | * | | | A |
| | | * | | | Ψ |

FIGURE 137 NEXT BUTTON

- After moving the necessary consumers/farmers to Selected Applications, user has to click on the next button in the bottom right corner in the lot form as shown in the above Figure 137.
- When the user will click on the "Next" button, window of assets checklist will occur as shown in below Figure 138.
- These checklists are configured by SIA from setting tab.

| Bulk | Asset Mapping | | | | | |
|------|---------------------------------|--|---|----------------------------------|-----------------------|-----------------------|
| | ~ | 2 | 3 | | (| 5 |
| | Lot Details | Pump | Solar Panel | Pump Controller with F | RMS Str | ucture |
| | | | Step 2 - Pump CheckList | Details | | |
| ło. | | Check List Name | | Input | Deviation Declaration | Compliance Declaratio |
| 1 | Pump and all | external parts of motor be of \$\$304 | l grade or higher | 🖲 Yes 🔵 No | 🔵 Yes 🌑 No | 🖲 Yes 🔵 No |
| 2 | | Name Plate as per IS14286/IEC612 | 151 | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| 3 | Min. pressure rating of 8 kg/sq | cm-PE100 grade for pumps up to 3 HP | HP, 10 kg/sqcm-PE100 grade for 5 | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| ł | Ins | ulation Resistance Test as per IS St | andard | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| 5 | | High Voltage Test as per IS Standa | rd | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| 3 | L | eakage Current Test as per IS Stan | dard | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| , | Constructional req | uirement/features, General Requirer | nents, Design features | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| ; | Ind | igenous manufactured for motor pu | mp set | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
|) | MARKING AND PA | RAMETERS TO BE DECLARED BY | THE MANUFACTURER | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| | | I, COIMBATORE declare the | at all the information submitted by me in | the application form is correct, | true and valid | |
| | | | | | | Ne |

FIGURE 138 PUMP CHECKLIST

- In the Pump Checklist window, user has to verify the checklists and click on the Check Box (highlighted in red in above Figure 138) and click on the "Next" button. (highlighted in blue in above Figure 138)
- After clicking on the "Next" button, next asset checklist window will appear as shown in below Figure 139, Figure 140 and Figure 141.

| | U | | 3 | 4 | | 5 |
|-------|-------------------------------|---|---|----------------------------------|-----------------------|-------------------|
| | Lot Details | Pump | Solar Panel | Pump Controller with | RMS Str | ucture |
| | | | Step 3 - Solar Panel CheckLi | st Details | | |
| | | Check List Name | | Input | Deviation Declaration | Compliance Declar |
| Ce | ertificates as per IS 14286/I | EC 61215 specifications/equivale | nt National/International/ Standards | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | | Qualify to IS/IEC 61730 | | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | | Module Efficiency as measured | >15% | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | | Fill factor | | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | I | Modules - qualify to IEC TS 62804 | l-1:2015 | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | IEC TS 61701:20 | 11 for salt mist corrosion test for | coastal area installation | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | N | ame Plate conform to IS 14286/IE | C 61215I | 🔵 Yes 🔵 No | 🔵 Yes 🌘 No | 🔵 Yes 🔵 No |
| | | Module to Module wattage misr | natch | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 🔵 Yes 🔵 Na |
| Varia | ation in overall SPV array v | wattage from the specified wattag percent. | es shall be within zero percent to +10 | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | F | V Modules warranted for output | wattage | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | I | ndigenous manufactured for Sola | ar Panel | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | | RFID Tag Inside/Outside | | 💿 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | | I, 9952360955 declare t | hat all the information submitted by me in th | e application form is correct, t | rue and valid | |

FIGURE 139 SOLAR PANEL CHECKLIST

| IK / | rzzer wahhilik | | | | |
|------|--|---|--------------------------------------|-----------------------|--------------------|
| | oo | . | | | 5 |
| | Lot Details Pump | Solar Panel | Pump Controller with | RMS Str | ucture |
| | Step 4 - Pum | p Controller with RM | S CheckList Details | | |
| | Check List Name | | input | Deviation Declaration | Compliance Declars |
| | Maximum Power Point Tracker (MPPT) | | Yes No | Ves No | Yes No |
| | SPV Controller must have IP (65) protection | 1 | • | 0.00 | |
| | | | 💿 Yes 🔵 No | 🔵 Yes 🍙 No | 💽 Yes 🔵 No |
| | Adequate protections Dry Running Open Circuit Accidental output s reverse polarity, SPD to arrest high surge current Lighte | hort circuit Under voltage ning Arrestor | 💿 Yes 🔵 No | 🔵 Yes 💿 No | 💽 Yes 🔘 No |
| | DC Circuit Breaker as per IS/IEC 60947-2 | | Yes O No | 🔵 Yes 💿 No | 🔵 Yes 🔵 No |
| | All cables as per IS694/IS14536 | | 💿 Yes 🔵 No | 🔵 Yes 💿 No | 💿 Yes 🔵 No |
| | Controller shall be integrated with GSM/GPRS Gateway wi | th Geo tagging | 💿 Yes 🔵 No | 🔵 Yes 🍙 No | 💿 Yes 🔵 No |
| | Marking and Parameters to be declared by the Man | ufacturer | 💿 Yes 🔵 No | 🔵 Yes 🍙 No | 💿 Yes 🔵 No |
| | RMS Local Communication with Pump contro | ller | RS 485 Modbus R' ~ | 🔵 Yes 🍙 No | 💿 Yes 🔵 No |
| | Local Connectivity-Ethernet / Bluetooth / Wi-Fi connectivity for configur | ation and local data retrieval | Bluetooth ~ | 🔵 Yes 🍙 No | 💿 Yes 🔵 No |
| | Message Format- JSON message required by respec | ctive SNA | 💿 Yes 🔵 No | 🔵 Yes 🍙 No | 💿 Yes 🔵 No |
| | Communication Protocols- MQTT | | Yes No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | GPS Module for Real Time Longitude –Latitude requ | uirement | 💿 Yes 🔵 No | 🔵 Yes 💿 No | 💿 Yes 🔵 No |
| 3 | Local Data Storage & Storage Size - to store Data for 1 Year (30 to 40 F samples in a Day @ 15 min. interval X 365 Days = 32 | Parameters = 100 bytes X 100 Mbit only) | 💿 Yes 🔵 No | 🔿 Yes 🌘 No | ● Yes ─ No |
| 4 | RMS shall have Digital Inputs | | 2 | 🔿 Yes 🝙 No | Yes No |
| | | | [2 - >=] | 0.120.12 | |
| 5 | RMS's Analog Inputs of 0.1% FSR accuracy (Upload Calibr | ation Certificate) | 2 | Vac 🔿 No | No. |
| | | | [2 ->=] | | Tes O No |
| 8 | RMS shall have Digital output to give the Remote On/Off command to pr mobile application | ump controller through farmer | 🔵 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| 7 | Remote Configuration to Update Data logging interval, Data logging Alarms & events, Server Configuration etc | Parameter , Set points for | 🔵 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| 8 | Communication Security-TLS/SSL, Certification, Authentication, E | incryption, Authorization | 💿 Yes 🔵 No | 🔿 Yes 🌘 No | 💿 Yes 🔵 No |
| 9 | RMS will Provide Pump Run hours & water dischar | ge output | 🔵 Yes 🔵 No | 🔵 Yes 🌘 No | 💿 Yes 🔵 No |
| | 🗾 I, 9952360955 declare that all th | e information submitted by me in | the application form is correct, tru | ue and valid | |
| | | | | | |

FIGURE 140 PUMP CONTROLLER CHECKLIST

Bulk Asset Update

| ~ | ⊘ | | ⊘ | (| 5 |
|-----------------------|--|---|---|-----------------------|--------------------|
| Lot Details | Pump | Solar Panel | Pump Controller with RMS | St | ructure |
| | 5 | Step 5 - Structure Checkl | ist Details | | |
| | Check List Name | | Input | Deviation Declaration | Compliance Declara |
| Withsta | and load of modules & high wind velocity | y up to 150 kmh | 🖲 Yes 🔵 No | 🔵 Yes 🧶 No | 🔍 Yes 🔵 No |
| | Raw material test certificates (MT | 💌 Yes 🔘 No | 🔵 Yes 🔍 No | 🖲 Yes 🔵 No | |
| The raw material used | and process for manufacturing of modul welding of joints should conform to appl | le mounting structure including licable IS | 🖲 Yes 🔵 No | 🔵 Yes 🔍 No | 🖲 Yes 🔵 No |
| Mounting structure | -Hot dip galvanized according to IS 4755 | 9. Zinc content area ≤ 99.5% | 🖲 Yes 🔵 No | 🔵 Yes 🔍 No | 🖲 Yes 🔵 No |
| | Structure fitment - \$\$304 or 8.8 gra | ade | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| | Antifit Bolt of \$\$304 grade to locked m | odules | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| | I, COIMBATORE declare the | at all the information submitted by me | n the application form is correct, true | and valid | |

FIGURE 141 STRUCTURE CHECKLIST

• After verifying checklist of all assets, EA user has to click on the "Finish" button (highlighted in red in above Figure 141) and lot will be created after finishing the checklist verification.

UPDATING PDI STATUS

• After creating the lot, EA user has to click the first button "Checklist & Doc. Submitted by EA" (as pointed in below Figure 142) to change the PDI status of all selected consumers/farmers.



FIGURE 142 CHECKLIST & DOCUMENT SUBMIT BUTTON

Add reference scheme progress in consumer details,

When the EA user will click on "Checklist & Doc. Submitted by EA" button, four different status i.e.1. Checklist & Document Submit, 2. Lot Verification, 3. Pre Dispatch Inspection and 4. Dispatch, will updated all together at once and a current date will appear just beside all four buttons (highlighted in red in Figure 143), that means "Checklist & Doc. Submitted by EA" button is clicked and all four status are updated of all the consumers/farmers presented in that lot.

| I Bulk Asset Mapping Information Download SerialNo. CSV Format | | | | | | | | Lot Creation | | | | |
|--|----------------------------------|------------|---------------|------------|-------------------|---------------------|---------------|------------------------------|------------------------|-------------------------|-------------------|------------------|
| CSV Excel | Search: | | | | | | | | Show 10 | ✓ entries | Show | v / hide columns |
| Consumer Details 🗘 | Update Status | Ŧ | Lot Ref. No 💲 | Lot Name 💲 | Consumer Count | Asset Quantity 🌣 | Test Report 🗘 | Empanelled Agency Name | Tender Name ≎ | Inspection Call Date | Lot Created By | Action 🗘 |
| Consumer List | Checklist & Doc. Submitted by EA | 15-07-2021 | 2498 | Lot12 | 1 | 1 | 233333 | Sri Savitir Solar pvt Ltd | Off Grid Solar Pump | 08-07-2021 | OA_Epc | 1 |
| Asset Serial | Lot Verification by SNA | 15-07-2021 | | | | | | | | | | |
| Developed | PDI Report Upload by EA | 15-07-2021 | | | | | | | | | | |
| PDI DOC | Dispatch by EA | 15-07-2021 | | | | | | | | | | |



19. INSTALLATION AND COMMISSION (I&C) DONE

- > Empanelled Agency (EA) is the authorized user for changing status "Installation & Commission (I&C)".
- After updating the Lot status, EA user has to change the status "Installation & Commission" of individual Consumers/Farmers whose current status is "Dispatch".
- Updating status "Installation & Commission done" signifies Installation & Commission data. In here, the date on which the foundation was laid on the site, structure was installed, required tools and components were set up and the final commission along with working of installed components was done is updated for the SIA to review.
- To change the status of Consumers/Farmers to "Installation & Commission", EA user has to complete the following 3 stages:
 - Asset Serial No. Mapping : Serial nos of assets deployed in field are mapped against farmer
 - IMEI No. Mapping
 - Update the stages of "Foundation", "Structure", "PV System & Controller/Inverter" and "Installation & Commission Done (RMS Connected)". While updating these stages site photograph is also captured.
- > The above stages are explained in upcoming sections.

19.1 ASSET SERIAL NO. AND IMEI NUMBER MAPPING

- Empanelled Agency is an authorized user to perform the mapping functionalities.
- The asset serial nos. that previously added in Lot can only be mapped to the consumer/farmer.
- Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Asset' option on the Title Bar of the SEDM Portal Dashboard
 - 3. Click on the 'Asset Mapping by EA' option from the drop-down menu
 - Sign In >> Asset >> Asset Mapping by EA



FIGURE 144 ASSET MAPPING BY EA OPTION

• EA user can map asset serial nos. with the farmers in **bulk** by just uploading a CSV file in "Asset Mapping by EA".



FIGURE 145 ASSET MAPPING IN BULK

- EA user can download ".xlxs" file format by clicking on "Bulk Asset and IMEI Mapping Format" button (highlighted in yellow in above Figure 145) for creating csv file to map assets with farmers in bulk.
- The above **Error! Reference source not found.** is an Excel file of Asset Mapping in Bulk format in which user has to delete the two dummy entries of asset mapping and has to enter their own data from the "2nd Row".

NOTE: 1st Row of above excel file should not be edited or deleted as it is the actual format of the file otherwise bulk asset mapping csv file would not get uploaded. Serial nos. of solar panel should be separated by semi colon ";". IMEI nos. should be 15 digits, no more or less.

NOTE : To know more about Bulk Asset & IMEI mapping, refer Troubleshooting Guide of Asset & IMEI mapping in bulk.

• After filling the data into the file, user has to save the file as ".CSV " as shown in below Figure 146.

Excel Workbook Excel Workbook Excel Macro-Enabled Workbook Excel Binary Workbook Excel 97-2003 Workbook XML Data Single File Web Page Web Page Excel Template Excel Macro-Enabled Template Excel 97-2003 Template Text (Tab delimited) Unicode Text XML Spreadsheet 2003 Microsoft Excel 5.0/95 Workbook CSV (Comma delimited) Formatted Text (Space delimited) Text (Macintosh) Text (MS-DOS) CSV (Macintosh) CSV (MS-DOS) FIGURE 146 SAVE AS CSV (COMMA DELIMITED)

- After saving file as ".csv", user has to upload that file in the choose file option. (highlighted in red in Figure 145)
- EA user can map asset serial nos. with the farmers individually also in "Asset Mapping by EA".
- To search consumer/farmer for individual asset serial no or IMEI no mapping, user can search consumer/farmer by two ways i.e. either entering IMEI number (if mapped) or Application number (highlighted in yellow in below Figure 147), the corresponding details of the consumer/farmer gets displayed on the Asset Mapping by EA Dashboard or the another way is, by applying four filters i.e. District selection, Empanelled Agency selection, Capacity selection and Application Status selection (highlighted in pink in below Figure 147) to get the particular consumer/farmer details.
- Empanelled Agency can view only those consumers/farmers details whose Order is placed to them.

| Individual Asset & IMEI Mapping | | | | | |
|-------------------------------------|--|--|------------------------|---|----------------------|
| IMEI No: IMEI No | Application No: GO Application No | 60 P | ump ld: | GO | |
| Select District | Select Empanelled Agency Select ALL \$ | ect Capacity S Capacity \$ | elect Status | GO | |
| ConsumerList ConsumerInfo CSV Excel | I Asset Details 🖵 RealTime 🌣 History | | Searc | ۲ <u>. </u> | |
| S.No. Application No. 🗘 | Farmer Name 🗘 Father Name 🗘 Mobile No. | Empanelled Agency Location Distric | Catitude 🗘 Longitude 🤇 | Required Pump \Rightarrow Pump Sub IMEI \Rightarrow No.Type | Pump Capacity(HP) |
| Chawing A to A of A optring | | No data available | n table | | |



- User can download CSV or Excel file (highlighted in green in Figure 147) of the filtered farmer details for analysis.
- User also can search the particular farmer details by entering input in the search boxes. (highlighted in blue in Figure 147)
- By clicking on to the farmer's Application no. (Highlighted in red in above Figure 147) user will be redirected to the Consumer Info tab as highlighted in red in below Figure 148.

| Ankit | | |
|--|--|--|
| Application No: PB/PM KUSUM-I Mobile Number: 9966331440 | B/4385 | |
| Pump Details: AC 5HP Submers | ible | |
| Commissioning & Go Live Date: | | |
| Asset Mapping IMEI Ma | pping 🕼 I&C Update 🔹 Insurance update and Upload | |
| te Info | | |
| | | |
| EMPANELLED AGENCY | Tata Power Solar Systems Limited | |
| - COMMUNICATION ADDRESS | | |
| ADDRESS | DASDF | |
| DISTRICT | | |
| TALUKA | : Ajnala | |
| TOWN | Aawan Basu (28) | |
| | | |
| PIN CODE : | | |
| | | |
| LOCATION ADDRESS | | |
| DISTRICT : | | |
| TALUKA : | Ajnala | |
| TOWN : | Aawan Basu (28) | |
| LAND SURVET NO. | 0 | |
| | 20.11 | |
| | 70.11 | |
| | | |
| PUMP DETAILS | | |
| PUMP TYPE : | AC | |
| PUMP CAPACITY (hp) : | 5 | |
| PUMP SUBTYPE : | Submersible | |
| | | |
| - IRRIGATION DETAILS | | |
| | | |
| SOURCE OF WATER | : BoreWell | |

FIGURE 148 CONSUMER INFO TAB

- In above Figure 148, the four sub features will function for the Asset Mapping, IMEI mapping, uploading I&C photos and uploading Insurance policy details.
- The first sub feature is "Individual Asset Mapping". By clicking "Asset Mapping" button (highlighted in yellow in above Figure 148), user can map asset serial nos. individually with the farmer as shown in below Figure 149. Only Assets with relevant capacity and which has been dispatched against lot can only be mapped against farmer.

| Consumer Asset Mappin | ng | | |
|-----------------------|--------|------------|-----|
| Select Asset Type | | | |
| Select Asset Type | ~ | | |
| Search Serial No. | | Serial .No | |
| | Search | | Мар |
| Search Lot Name | | Serial.No | |
| | ~ | | Мар |

FIGURE 149 INDIVIDUAL ASSET MAPPING

• The second sub feature is "IMEI Number Mapping". By clicking "IMEI Mapping" button (highlighted in blue in Figure 148), user can map new IMEI no. (as shown in below Figure 150), IMEI nos of own empanelled agency shall be available for mapping.

| 📕 Consumer IMEI No. Replaceme | ent - 862818047715067 | | | × |
|-------------------------------|-----------------------|------------|---|---------------|
| O By Generating New IMEI No. | From Exisiting | O Exchange | | |
| Select IMEI No: | | | ~ | |
| | | | | |
| | | | | |
| | | | | Replace Close |

FIGURE 150 IMEI REPLACEMENT

NOTE: To register IMEI nos., click here to know about it.

19.2 INSTALLATION & COMMISSION DONE (I&C)

- The third sub-feature is 'I&C done.
- By clicking "I&C Update" button (highlighted in green in Figure 148), a screen will appear (as shown in Figure 151) in which user has to upload below mentioned four photographs:
 - Foundation
 - o Structure
 - PV System & Controller/Inverter
 - o Installation & Commission Done (RMS Connected)
- I&C Photo's specifications :
 - Supported Photo extension : "jpeg", "png" & "pdf"
 - Photo Size restriction : Less than 5 MB
- It is preferred that all the uploaded I&C photos are imprinted with Latitude-Longitude.

| C I&C Status | | | | | | | |
|--------------|--|---------------|----------|--|--|--|--|
| SN. | I&C Sub Status | Update Status | Download | | | | |
| 1 | Foundation | Upload Photo | | | | | |
| 2 | Structure | Upload Photo | | | | | |
| 3 | PV System & Controller/Inverter | Upload Photo | | | | | |
| 4 | Installation & Commission Done (RMS Connected) | Upload Photo | | | | | |

Cancel

FIGURE 151 I & C PHOTOS

> User has to click on the "Upload Photo" (green button highlighted in red in above Figure 151) to upload the photos.

| 🗹 I&C Status 👋 | | | | | | | |
|----------------|---|---------------|----------|--|--|--|--|
| SN. | I&C Sub Status | Update Status | Download | | | | |
| 1 | Foundation | 15-12-2020 | ± | | | | |
| 2 | Structure | 21-12-2020 | ± | | | | |
| 3 | PV System & Controller/Inverter | 30-12-2020 | * | | | | |
| 4 | Installation & Commission Done (RMS Connected) | 18-01-2021 | ± | | | | |
| | | | | | | | |

Cancel

FIGURE 152 I&C STATUS BOX

• When the photo gets uploaded, the current date will appear just beside the I&C Sub Status name (as shown in third column in above Figure 152) and user can also download the uploaded photo by clicking on the blue coloured download icon. (as shown in fourth column in above Figure 152)

UPLAODING INSURANCE POLICY DETAILS

- The fourth sub-feature is related to the 'Insurance Policy' of the farmer.
- By clicking the "Insurance Update & Upload" button (highlighted in pink in Figure 148), a screen will appear (as shown in below Figure 153) to the user to enter Insurance Number and upload Insurance Policy Document of the consumer/farmer.

| Insurance Policy | × |
|---------------------------|-----------------------------|
| Insurance Number | Insurance number |
| Insurance Policy Doc File | Choose File No file chosen |
| | Cancel Save |
| | FIGURE 153 INSURANCE POLICY |

• The second tab of the Asset Mapping by EA Dashboard displays the Consumer Asset Details by listing out the allocated Empanelled Agency, Asset Type, Serial No., Commissioning date, Installation date, etc. (as shown below in Figure 154)

| 🚨 Con | List Lonsumer Info E Asset Details □ RealTime C History | | | | | | | | |
|----------------------------------|---|---|--------------|----------------------|-----------|-----------------------|------------------|----------------------|-----------------------------|
| i⊟ As | i≡ Asset Details | | | | | | | | |
| CSV Excel PDF Show 100 v entries | | | | | | | | | Show / hide columns |
| | Empanelled Agency | Manufacturer 🗘 | Asset Type 🖒 | Asset Serial No. 💠 | Product 🛟 | Commissioning Date | Installed Date 🖒 | Duration (Days) ↔ | Mismatch Duration (Days) |
| | Rotomag Motor and Controls Pvt Ltd | Rotomag Motors & Controls Pvt. Ltd. | Pump | SP3860720 | RS3000 | 15-07-2021 | | | |
| | Rotomag Motor and Controls Pvt Ltd | ICON Solar-En Power Technologies Pvt. Ltd. | Solar Panel | ICON33536A0608073025 | ISEN335 | 15-07-2021 | 15-07-2021 | 0 | |
| | Rotomag Motor and Controls Pvt Ltd | ICON Solar-En Power Technologies Pvt. Ltd. | Solar Panel | ICON33536A0608073027 | ISEN335 | 15-07-2021 | 15-07-2021 | 0 | |
| | Rotomag Motor and Controls Pvt Ltd | ICON Solar-En Power Technologies Pvt. Ltd. | Solar Panel | ICON33536A0608073009 | ISEN335 | 15-07-2021 | 15-07-2021 | 0 | |
| | Rotomag Motor and Controls Pvt Ltd | ICON Solar-En Power Technologies Pvt. Ltd. | Solar Panel | ICON33536A0608072276 | ISEN335 | 15-07-2021 | 15-07-2021 | 0 | |
| | Rotomag Motor and Controls Pvt Ltd | ICON Solar-En Power Technologies Pvt. Ltd. | Solar Panel | ICON33536A0608072328 | ISEN335 | 15-07-2021 | 15-07-2021 | 0 | |

FIGURE 154 ASSET DETAILS

| Action | Functionality | Highlighted Colour | Туре | Description |
|---------------|--|-----------------------|--------|---|
| CSV/Excel/PDF | Download CSV/Excel/PDF of Asset Serial Nos. | Green | Button | The authorised user can download the Asset Details Report for any Consumer/Farmer in format of CSV/Excel/PDF by selecting the relevant button option |
| Search | Search Mapped Asset Serial no. | Blue | Text | The users can search for a particular asset information by entering its serial number in the 'search' dialogue box. |
| Delete | Unmap the Asset Serial Number | Orange | Button | User can select any asset serial no. by clicking on the check box (highlighted in pink in Figure 154) and click on the delete button to unmap any faulty asset serial no. against the farmer |

TABLE 48 ASSET DETAILS DASHBOARD DESCRIPTION

- The third panel tab of the Consumer Monitoring Dashboard gives us a Real Time view of the functioning of different components and their output, like the data that is shown on the consumer mobile application.
- This data is received from the RMS module, which is installed along with the Pump Controller.
- The Real Time dashboard lists down the site location, IMEI number, Device ID, Geographic coordinates, RSSI, energy generated per day and the live performance of the Pump


FIGURE 155 REAL-TIME DASHBOARD

• The fourth option tab of Asset Mapping by EA Dashboard gives the users a mode to retrieve and view the History of data and activities of a farmer by entering the time period for which they want to search the results. (highlighted in red in below Figure 156)

| History Data | • | | | | | | | | | | | | | | | | |
|----------------------|---------------------|-------------------------|----------------------------------|---------------------------|-------------------------|---------------------------|---------------------------|-------------|----------------------------|-----------------------------|------------|-------------|---------------------------------|--------------------|-------------|---------------|--------------|
| EDM DAQ-Tr | end C1 0 | | | | • | iii 2 | 021/07/01 - | 2021/07/14 | | | | 0 0 | Get Data | | | | |
| Copy | cel CSV | PDF | Print Show | 100 🗸 | entries | | | | | | | Q | | | | Show / h | ide columns |
| TimeStarr | Analo | Analo | Pump Cr | Digits | Digiti | Digita | Digita | undefine | GPS / | GPS-Lt | Latitud | Longitud | WiFi/Bluetoot | Signal t | undefine | RTL | SD |
| imeStamp - | Analog Input – 0 | Analog Input- 0 2 | Pump Controller Serial No. | Digital Input – 0 1 | Digital Input-0 2 | Digital Output 0 -1 | Digital Output 0 -2 | undefined 🗘 | GPS Module () Status | GPS Location 0 Locked | Latitude 0 | Longitude 🗘 | WiFi/Bluetooth Module Status | Signal Strength | undefined 🗘 | RTC Time 0 | SD Card 0 |
| 021-07-14 5:00:00 | 0 | 0 | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 29.89235 | 74.17603 | t | 25 | | | 1 |
| 021-07-14 4:45:00 | 0 | 0 | | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 29.89238 | 74.17605 | 1 | 25 | | | 1 |
| 021-07-14 4:30:00 | 0 | 0 | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 29.89238 | 74.17603 | 1 | 25 | | | 1 |
| 021-07-14 4:15:00 | 0 | 0 | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 29.89234 | 74.17604 | 1 | 25 | | | 1 |
| 021-07-14 4:00:00 | | | | | | | | 1 | 1 | 1 | 29.89234 | 74.17604 | 1 | 25 | | | 10 |
| 021-07-14 3:46:00 | 0 | 0 | | 0 | 0 | 0 | 0 | া | 3 | -1 | 29.89238 | 74.17601 | 1 | 25 | | | 1 |
| 021-07-14 3:30:00 | 0 | 0 | | 0 | 0 | 0 | 0 | 3 | <u>.</u> | (1) | 29.89236 | 74.17604 | t. | 25 | | | 1 |
| 021-07-14 3:15:00 | 0 | 0 | | 0 | 0 | 0 | 0 | d | 1 | 1 | 29.89238 | 74.17601 | 1 | 26 | | | 1 |
| | | | | | | | 6 | <u>a</u> | 12 | 3 | | | | - | | | 4 |

FIGURE 156 VIEW HISTORY

20. INSTALLATION & COMMISSION (I&C) VERIFICATION

- Below are the authorized users for I&C Verification :
 - State Implementing Agency (SIA)
 - Sub Division Officer (SDN)
 - Head Officer (HO)
- After updating "Installation & Commission" status of the consumer/farmer, SIA user has to change the status "I&C Verification".
- Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Asset" option on the Title Bar of the SEDM Portal Dashboard
 - 3. Click on the "Asset Mapping by SNA" option from the drop-down menu
- Sign In >> Asset >> Asset Mapping by SNA



FIGURE 157 ASSET MAPPING BY SNA OPTION

- To search consumer/farmer for individual asset serial no or IMEI no mapping, user can search consumer/farmer by two ways i.e. either entering IMEI number (if mapped) or Application number (highlighted in yellow in below Figure 158), the corresponding details of the consumer/farmer gets displayed on the Asset Mapping by SNA Dashboard or the another way is, by applying four filters i.e. District selection, Empanelled Agency selection, Capacity selection and Application Status selection (highlighted in pink in below Figure 158) to get the particular consumer/farmer details.
- After entering IMEI number or Application number, the corresponding details of the Consumer/Farmer gets displayed on the Asset Mapping by SNA Dashboard.
- SIA user can view only those consumer/farmer details who belongs from their corresponding district.

| м | E Consumer Scheme Progress Asset Live Monitoring Setting | Device Registration User Role Complaint | |
|-----------------------------------|---|---|---------|
| C Individual Asset & IMEI Mapping | | | |
| IMEI No: IMEI No | Application No: GO Application No | Pump Id: GO Pump Id | GO |
| Select District | Select Empanelled Agency Select Capacity ALL | Select Status | GO |
| 🛔 ConsumerList 🛔 Consumer Info | I Asset Details | | |
| CSV Excel | | | Search: |
| S.No. Application No. 🗘 | Farmer Name Father Name Mobile No. Emp Aq Image: State of the st | panelled gency | itude |
| | | No data available in table | |
| Showing 0 to 0 of 0 entries | | | |

FIGURE 158 ASSET MAPPING BY SNA DASHBOARD

- User can download CSV or Excel file (highlighted in green in Figure 158) of the filtered farmer details for additional information.
- User also can search the particular farmer details by entering input in the search boxes. (highlighted in blue in Figure 158)
- By clicking on to the farmer's Application no. (Highlighted in red in above Figure 158) user will be redirected to the Consumer Info tab as highlighted in red in below Figure 159.

| | Analysis Registration Role | |
|---|---|--|
| merList Consumer Info | Asset Details 🤤 RealTime 🗢 History | |
| umer Details | | |
| Nithyanantham | | |
| Application No: PB/PM KU: Mobile Number: 956986795 | JUM-B/4376 1 | |
| Pump Details: AC 7.5HP States of the state of the stat | Jbmersible | |
| Commissioning & Go Live I | Date: | |
| C Installation Verification by SNA | Upload Installation Report by SNA Download Installation Report(PCR) | |
| Info | | |
| | | |
| EMPANELLED AGENCY | : Rajasthan Electronics And Instruments Limited | |
| COMMUNICATION ADDRESS | | |
| ADDRESS | : dfewf | |
| DISTRICT | | |
| TALUKA | : Ajnala | |
| TOWN | : Aawan Basu (28) | |
| PIN CODE | : | |
| | | |
| LOCATION ADDRESS | | |
| DISTRICT | | |
| | : Ajnala | |
| | : Aawan Basu (28) | |
| AND COVERAGE(SQ MTR) | · · | |
| | : 20.11 | |
| LONGITUDE | : 70.11 | |
| | | |
| PUMP DETAILS | | |
| PUMP TYPE | : AC | |
| PUMP CAPACITY (hp) | : δ | |
| PUMP SUBTYPE | : Submersible | |
| | | |
| | BoreWell | |
| | : Micro Irrigation | |
| IS SITE SUITABLE? | : No | |
| | | |

FIGURE 159 CONSUMER INFO TAB

- To update application status "I & C Verification", user has to click on the "Installation Verification by SNA" button as highlighted in green in above Figure 159.
- After clicking the Installation Verification by SNA button, a window screen will appear as shown in the below Figure 160.

| 6 | Module to Module wattage mismatch in the SPV array mismatch shall be within \pm 3 percent. | Yes |
|----|---|-------------|
| 7 | Whether RFID tag is pasted or not? | • Yes No |
| 8 | Foundation - with the help of 'J Bolt'/ direct pilling | • Yes No |
| 9 | Module mouting structure Hot dip Galavanizing as per relevent applicable standard | Yes |
| 10 | Fasteners Stainless Steel | • Yes No |
| 11 | Structure Steel Thickness (mm) | [5 - >=] |
| 12 | Anti theft Bolts provided | • Yes No |
| 13 | Arrangement for Seasonal Tilt Angle adjustment provided or not? | • Yes No |
| 14 | Structure Properly Installed | • Yes No |
| 15 | SPV Controller must have IP (65) protection or shall be housed in a cabinet having at least IP (65) protection. | • Yes No |
| 16 | Suitable size of cable shall be used in sufficient length for inter-connection between the SPV array to SPV Controller and the SPV Controller to solar powered pump set | • Yes No |

| 17 | Controller shall be integrated with GSM/GPRS Gateway with Geo tagging | • Yes No | | | | | | |
|-----------------------|--|-------------|--|--|--|--|--|--|
| 18 | Parameter declared as per specification | • Yes No | | | | | | |
| 19 | Connections of earthing propoerly done | • Yes No | | | | | | |
| 20 | All the data of controller should be made available to HAREDA for monitoring by giving web access | • Yes No | | | | | | |
| 21 | Configuration of controller through RS-486/UARAT is Done | • Yes No | | | | | | |
| 22 | Operation and Maintenance Manual provided to farmer | • Yes No | | | | | | |
| 23 | Wiring and cableing is done in proper way as per Order | • Yes No | | | | | | |
| 24 | Fencing Provided | Yes | | | | | | |
| 25 | Remarks | | | | | | | |
| Installati PUMP In | Istallation Verification Date 14/07/2021 UMP Installation Verification As Per Specification Satisfied Not Satisfied Cancel Cancel | | | | | | | |

FIGURE 160 SITE INSPECTION CHECKLIST

- In the above screen, SIA user has to fill all the details and has to click on the save button to update the status "I&C Verification" of consumer/farmer.
- SIA user has to upload the Installation Verification (Site Inspection) report which conveys that all the assets i.e. Solar Pump, Solar Panel, Pump Controller with RMS and Structure are installed successfully on the consumer/farmer's site location.
- SIA user can upload Installation verification report by clicking on "Upload Installation Report by SNA" button (highlighted in blue in Figure 159) in Consumer Info tab.
- Below screen (Figure 161) will appear for uploading Installation Report.

| Site Inspection Report | × |
|---------------------------------|----------------------------|
| Site Inspection Report Doc File | Choose File No file chosen |
| | Cancel 🖺 Save |

FIGURE 161 INSTALLATION REPORT UPLOAD SCREEN

21. PCR (PROJECT COMPLETION REPORT)

- SIA User can download the PCR (Project Completion Report) by clicking on "Download Installation Report (PCR)" (highlighted in pink in Figure 159) in which following details of consumer/farmer will be available. (refer Figure 162)
 - Consumer/Farmer Details
 - Installed Pump Details
 - Project Progress
 - Site Survey Details
 - Financial Information
 - Asset Details
 - RMS Connectivity Details
 - PDI Pump Check List
 - PDI Solar Panel Check List
 - PDI Pump Controller and RMS Check List
 - Site Inspection Check List
 - Four I & C uploaded photos
- Also the PCR can be downloaded by clicking on "PDF" button. (highlighted in in below Figure 162)

NOTE: PCR can be downloaded only after all application status are updated from "Application Received" to "I & C Verification".

PCR Report

| PDF | | | | | × | | | | |
|---|-----------------------|---|-------------------------|--------|-----------------------------|--|--|--|--|
| Project Completion Report for Component-B under PM-KUSUM Scheme | | | | | | | | | |
| Application No : /PM | N KUSUM-B/2091 | Agency : Tata Power Solar Systems Limited | | | | | | | |
| Consumer Details | | | | | | | | | |
| Consumer Name | Nithyananthan | | | Ph:9 | 9818997300 | | | | |
| Correspondence Details | | | | | | | | | |
| District | | Farm District | | | | | | | |
| Taluka | | Farm Taluka | | Ajnala | | | | | |
| Town | | Farm Town | 1 | | an Basu(28) | | | | |
| Pin code | 134003 | Land Covera | age (Sq. Meter) | | | | | | |
| Consumer Cast | General | Consumer Ca | ategory | | er | | | | |
| Pump set Insurance No | | - | - | | | | | | |
| Installed Pump Details | | | | | | | | | |
| Installed Pump Type | Istalled Pump Type AC | | | | Submersible | | | | |
| Installed Pump Capacity 10 | | | Installed Pump Category | | WaterFilled | | | | |
| Existing Pump User | | | Irrigation Mode | | Underground pipeline (UGPL) | | | | |

| Project Progress | | | | | | | |
|---------------------------|------------|----------------------------|------------|--|--|--|--|
| Application Received | 10-08-2019 | Lot & Doc. Verified by SIA | 12-01-2021 | | | | |
| Site Survey | 06-12-2020 | Pre Dispatched Inspection | 12-01-2021 | | | | |
| Application Accepted | 21-12-2020 | Dispatched | 12-01-2021 | | | | |
| Contribution Received | 16-10-2020 | Installation & Commission | 15-01-2021 | | | | |
| Order Placed To EA | 06-12-2020 | Site Inspection | 03-02-2021 | | | | |
| Lot & Doc. Creation by EA | 02-01-2021 | PCR Generated | 05-02-2021 | | | | |

| Site Survey Details | | | | | | | | | | |
|---------------------|----------------------|------------------------------|-------------------|--|--|--|--|--|--|--|
| Farm Survey No | 844 | Source of Water | Borewell | | | | | | | |
| Farm Latitude | 11.0168 | Farm Longitude | 76.9558 | | | | | | | |
| Is site suitable? | Yes | Is south facing shadow free? | NO | | | | | | | |
| Survey Done By | Sri Savitri Pvt Ltd. | Survey Approved By | C. Samaya Moorthy | | | | | | | |
| Order Placed To | Sri Savitri Pvt Ltd. | Order Placed By | 9417350243 | | | | | | | |
| | • | · | | | | | | | | |

| Financial Information | | | | | | | |
|----------------------------------|---------------------------------|-----------------------------------|--------|--|--|--|--|
| Farmer Contribution Rs. with GST | State Contribution Rs. with GST | Central Contribution Rs. with GST | Total | | | | |
| 59490 | 107082 | 71388 | 237960 | | | | |

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| | Asset Details | | | | | | | | | |
|-------|--|----------------|--|---|---|------------------------------------|----------------------|------------------|------------------------|--|
| Asset | Asset Type Manufacturer | | | Model No | Serial No | | Lot Ref No | | Capacity | |
| Pump | Pump Ethos Power Pvt. Ltd. | | | EPPI-4800-100-14 | B492464 | | ETHOS/HAREDA/PDI- | 07 | 5 [HP] | |
| Contr | oller with RMS | Ethos Powe | er Pvt. Ltd. | Ethos V4.0 | EZMCI120110389 | | ETHOS/HAREDA/PDI- | 07 | - | |
| Solar | Panel | Himalayan | Solar Pvt Ltd | HIMSOL-20243 | HS0318P7220078823 | | ETHOS/HAREDA/PDI- | 07 | 3 [KW] | |
| Solar | Panel Serial No | | B492464, HS0318P7220078823, HS0318P7220078861, HS0318P7 | HS0318P7220078824, HS0318P7 220078894, HS0318P7220078910 | 220078826 , HS0318P7220078 , HS0318P7220078935 , EZM | 834 , HS0318P7220 DI120110389 , | 078835, HS0318P72200 | 78837 , HS0318P7 | 220078840 , | |
| | RMS Connectivity Details | | | | | | | | | |
| IMEI | No : | | 861551045911955 | | Mapping Date : | 06-09-2021 | | | | |
| Data | Available | | NO | | GPS Location Status Matched | | | Matched | d | |
| | PDI - Pump Check List | | | | | | | | | |
| No | | | Check List Name | 2 | | Input | Deviati | on Declaration | Compliance Declaration | |
| 1 | Pump and all external parts of me | otor be of SS3 | 304 grade or higher | | | 🖲 Yes 🔵 No | 🔵 Yes 🌘 | No | ● Yes ○ No | |
| 2 | Name Plate as per IS14286/IEC6 | 31215 | | | | Yes No Yes | | No | 💽 Yes 🔘 No | |
| 3 | Minimum pressure rating of 8 kg/ | sqcm-PE100 | grade for pumps up to 3 HP, 10 kg/so | qcm-PE100 grade for 5 HP pumps | | 🖲 Yes 🔵 No | 🔵 Yes 🌘 | No | ● Yes ─ No | |
| 4 | Insulation Resistance Test as per | r IS Standard | | | | 🔵 Yes 🔘 No | 🔵 Yes 🌘 | No | 💽 Yes 🔘 No | |
| 5 | 5 High Voltage Test as per IS Standard | | | | | 🖲 Yes 🔵 No | 🔵 Yes 🔇 | No | • Yes No | |
| 6 | 6 Leakage Current Test as per IS Standard | | | | 🖲 Yes 🔵 No | 🔵 Yes 🔇 | No | • Yes No | | |
| 7 | 7 Constructional requirement/features, General Requirements, Design features | | | | | 💽 Yes 🔘 No | 🔵 Yes 🤅 | No | 💽 Yes 🔘 No | |
| 8 | 8 Indigenous manufactured for motor pump set | | | | | 🖲 Yes 🔵 No | 🔵 Yes 🤅 | No | • Yes 🗌 No | |
| 9 | Marking and Parameters to be de | eclared by the | Manufacturer | | | 🔵 Yes 🔵 No | 🔵 Yes 🌘 | No | 💽 Yes 🔘 No | |

| | PDI - Solar Panel Check List | | | | | | | | |
|----|---|------------|--------------------------|---------------------------|--|--|--|--|--|
| No | Check List Name | Input | Deviation Declaration | Compliance Declaration | | | | | |
| 1 | Certificates as per IS 14286/IEC 61215 specifications/equivalent National/International/ Standards | • Yes No | 🔵 Yes 💌 No | 🖲 Yes 🔵 No | | | | | |
| 2 | Qualify to IS/IEC 61730 | 🔍 Yes 💿 No | 🔵 Yes 🖲 No | 🔍 Yes 🔵 No | | | | | |
| 3 | Module Efficiency as measured >15% | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No | | | | | |
| 4 | Fill factor as measured >70% | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No | | | | | |
| 5 | Modules - qualify to IEC TS 62804-1:2015 | • Yes No | 🔵 Yes 🖲 No | 🔍 Yes 🔵 No | | | | | |
| 6 | IEC TS 61701:2011 for salt mist corrosion test for coastal area installation | • Yes No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No | | | | | |
| 7 | Name Plate conform to IS 14286/IEC 61215I | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No | | | | | |
| 8 | Module to Module wattage mismatch | • Yes No | 🔵 Yes 💌 No | 🔍 Yes 🔵 No | | | | | |
| 9 | Variation in overall SPV array wattage from the specified wattages shall be within zero percent to +10 percent. | • Yes No | 🔵 Yes 🔍 No | 🖲 Yes 🔵 No | | | | | |
| 10 | PV Modules warranted for output wattage | 🔍 Yes 💿 No | 🔵 Yes 💌 No | 🔍 Yes 🔵 No | | | | | |
| 11 | Indigenous manufactured solar modules with indigenous mono/multi crystalline silicon solar cells | • Yes No | 🔵 Yes 🔍 No | • Yes No | | | | | |
| 12 | RFID Tag Inside/Outside | • Yes No | 🔵 Yes 💌 No | • Yes No | | | | | |

| | PDI - Pump Controller and RMS Check List | | | | | |
|----|---|------------|--------------------------|---------------------------|--|--|
| No | Check List Name | Input | Deviation Declaration | Compliance Declaration | | |
| 1 | Maximum Power Point Tracker (MPPT) | 🔍 Yes 📄 No | 🔵 Yes 🔍 No | 🔍 Yes 🔘 No | | |
| 2 | SPV Controller must have IP (65) protection | • Yes No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No | | |

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| 3 | Adequate protections -Dry Running, Open Circuit, Accidental output short circuit, Under voltage, reverse polarity, SPD to arrest high surge current, Lightening Arrestor | 🔍 Yes 🔵 No | 🔵 Yes 💽 No | 🔍 Yes 🔘 No |
|----|---|------------|------------|------------|
| 4 | DC Circuit Breaker as per IS/IEC 60947-2 | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔘 No |
| 5 | All cables as per IS694/IS14536 | 🔍 Yes 📄 No | 🔵 Yes 💽 No | 🔍 Yes 🔵 No |
| 6 | Controller shall be integrated with GSM/GPRS Gateway with Geo tagging. GSM | • Yes No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 7 | Marking and Parameters to be declared by the Manufacturer | 🖲 Yes 🔵 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 8 | RMS Connect to State level solar energy data management platform which will have interface with National Level Solar Energy Data Management platform | • Yes No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |
| 9 | Communication Protocols- MQTT | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 10 | Communication Modes -Push Periodic, Push on Event, On Demand Read/Write, Configuration Read/Write | 🔍 Yes 📄 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 11 | Communication Security-TLS/SSL, Certification, Authentication, Encryption, Authorization | 🖲 Yes 🔵 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 12 | Message Format- JSON message required by respective SNA | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 13 | RMS Local Communication with Pump controller | UART | 🔵 Yes 🔍 No | 🔍 Yes 🔘 No |
| 14 | RMS's Analog Inputs of 0.1% FSR accuracy (Upload Calibration Certificate) | 2 | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 15 | RMS shall have Digital Inputs | 2 | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 16 | RMS shall have Digital output to give the Remote On/Off command to pump controller through farmer mobile application | • Yes No | 🔵 Yes 🖲 No | 🔍 Yes 🔵 No |
| 17 | Local Data Storage & Storage Size - to store Data for 1 Year (30 to 40 Parameters = 100 bytes X 100 samples in a Day @ 15 min. interval X 365 Days = 32 Mbit only) | 🖲 Yes 🔵 No | 🔵 Yes 💌 No | 🖲 Yes 🔵 No |
| 18 | RMS will Provide Pump Run hours & water discharge output | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 19 | GPS Module for Real Time Longitude –Latitude requirement | 🔍 Yes 💿 No | 🔵 Yes 🔍 No | 🔍 Yes 🔵 No |
| 20 | Local Connectivity-Ethernet / Bluetooth / Wi-Fi connectivity for configuration and local data retrieval | Bluetooth | 🔵 Yes 🔍 No | 🖲 Yes 🔵 No |
| 21 | Remote Configuration to Update Data logging interval, Data logging Parameter , Set points for Alarms & events, Server Configuration etc. | 🖲 Yes 🔵 No | 🔵 Yes 🖲 No | 🖲 Yes 🔵 No |

| | Site Inspection Check List | | | | | | |
|----|--|------------|--|--|--|--|--|
| No | Check List Name | Input | | | | | |
| 1 | Indigenous mono/multi crystalline silicon solar cells | 🖲 Yes 💿 No | | | | | |
| 2 | No. of PV Modules | 9 | | | | | |
| 3 | PV Modules are neat and clean | Yes No | | | | | |
| 4 | PV Modules electrical connections are tight and secure | Yes No | | | | | |
| 5 | Visuallally crack/ any other issue found | Yes No | | | | | |
| 6 | Module to Module wattage mismatch in the SPV array mismatch shall be within ± 3 percent. | 🔘 Yes 🔘 No | | | | | |
| 7 | Whether RFID tag is pasted or not? | 🔿 Yes 💿 No | | | | | |
| 8 | Foundation - with the help of 'J Bolt'/ direct pilling | Yes No | | | | | |
| 9 | Module mouting structure Hot dip Galavanizing as per relevent applicable standard | Yes No | | | | | |
| 10 | Fasteners Stainless Steel | Yes No | | | | | |
| 11 | Structure Steel Thickness (mm) | 5 | | | | | |
| 12 | Anti theft Bolts provided | Yes No | | | | | |
| 13 | Arrangement for Seasonal Tilt Angle adjustment provided or not? | Yes No | | | | | |
| 14 | Structure Properly Installed | Yes No | | | | | |
| 15 | SPV Controller must have IP (65) protection or shall be housed in a cabinet having at least IP (65) protection. | 🔿 Yes 💿 No | | | | | |
| 16 | Suitable size of cable shall be used in sufficient length for inter-connection between the SPV array to SPV Controller and the SPV Controller to solar powered pump set | Yes No | | | | | |
| 17 | Controller shall be integrated with GSM/GPRS Gateway with Geo tagging | Yes No | | | | | |
| 18 | Parameter declared as per specification | Yes No | | | | | |

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| 19 | Connections of earthing propoerly done | Yes No | |
|----|---|-------------------------------|--|
| 20 | All the data of controller should be made available to HAREDA for monitoring by giving web access | Yes No | |
| 21 | Configuration of controller through RS-486/UARAT is Done | Yes No | |
| 22 | Operation and Maintenance Manual provided to farmer | Yes No | |
| 23 | Wiring and cableing is done in proper way as per Order | Yes No | |
| 24 | Fencing Provided | Yes No | |
| 25 | Remarks | Installation Successfully Don | |







FIGURE 162 PROJECT COMPLETION REPORT

22. 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 163)
- Sign In >> Live Monitoring >> Dashboard



FIGURE 163 LIVE MONITORING DASHBOARD OPTION

> Live Monitoring Dashboard Screen



FIGURE 164 LIVE MONITORING DASHBOARD

• Last Updated Time Stamp (highlighted in yellow in above Figure 164)

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 164)
 - 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 164)
 - 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.

| III AN | ANTNAG - | ALL ~ ALL | ✓ GO | | | | Download | Data Add New Applications | 📥 Add Farmer Excel Format |
|-----------------------------|--|---|--|---|--|---|-----------------|--------------------------------------|---------------------------------|
| ALL C | apacity ' Download | ALL Excel Search: | ✓ All Sta | tus | Vpload Consumer CS | V Choose File No file d | nosen L Sho | Jpload | |
| Schem Progres Details | Site Survey Details and Update | Update Status | Is Application Under Re- Site Survey? | Payment Rejection Reason If Payment \$ Is Rejected By SIA | Farmer Share Received ≎ (INR with GST) | Order Applicat Placed ≎ Numb To EA Numb | ion ¢r | Pump Id 💠 Father/Husband 🖒 Name 🗸 | Grid Mobile No. Available |
| | | | | | | | | | |
| | | Farmer Share Update | No | Aadhar Authentication | M/s Raiasthan | JK/ANT/PM B/0647 | KUSUM- YashTest | test | 8754874574 |
| | | Order to EA Update | | | Electronics and | | | | |
| | | Download Installation Report (PCR) | | | Instruments Ltd | 5 | | | |
| | | Farmer Share Update Order to EA Update Download Installation Report (PCR) | No | reason Feasible Applications | M/s Rajasthan Electronics and Instruments Ltd | JK/ANT/PM B/0845 | KUSUM- demo 1 | 645 d | 8754872156 |
| | | Order to EA Update | No | Farmer Share Received | 36028 Tata Power Solar | JK/ANT/PM B/0644 | KUSUM- Jammu | 9632547891 Anantnag | 8080808080 |

FIGURE 165 CONSUMER DETAILS (I)

| | | | | S | how 100 🗸 | entries Sh | ow / hide columns |
|----------------------------------|---------------------------------------|---------------------------------------|------------------------------------|---|---|---|--------------------|
| Current Generation \$ (kW) | Today Solar Generation (kWh) | Total Solar Generation \$ (kWh) | Today Runs Hours ≎ (Hrs.) | Total Pump Run ≎ Hours (Hrs.) | Today Water Discharged [↔] (Liters) | Total Water Discharged 🗘 (Liters) | Location Status |
| 0 | 0 | 420.9 | 0 | 325 | 0 | 799729 | Matched |
| 0 | 0.162 | 63.141 | 0 | 0 | 0.078 | 556.475 | Matched |
| 2.9 | 13.3 | 13.3 | 7.6 | 7 | 31872 | 31872 | MisMatched |

Figure 166 Consumer Details (ii)

• User can change RMS latitude and longitude by clicking on edit icon (highlighted in red in above Figure 165) and in below Figure 167 is shown how to change the RMS latitude and longitude.

| \$ | First RMS LatLong 🗘 | Pum Capac (HP) |
|----|---------------------|----------------------|
| 16 | Latitude | 10 |
| | 28.99038 | |
| | Longitude | |
| | 76.0423 | |
| | 8 | |
| 83 | Lat:22.4914 | 7.5 |

FIGURE 167 UPDATE RMS LATITUDE - LONGITUDE

• After entering new RMS latitude and longitude, user has to click on the save icon (highlighted in red in Figure 164) 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 164) :

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 <u>here</u> 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 164) are explained in below Table 49.

| Box Name (Colour) | Sub Status | Description | Refer Figure 164 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) <i>/</i> 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) <i>I</i> 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) <i>I</i> 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 168) out of total no. of pumps | 21 (Invalid Pumps) / 2033 (Pumps connected since last 30 minutes) |

TABLE 49 LIVE MONITORING – EXPLANATION OF THREE BOXES

| | | 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 <u>here</u> 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 164) |
| | Avg. Solar Generation per Pump (KW) 542 (Pumps currently in run mode) | 1.79 (total SPV capacity (MW) produced of tota (Pumps currently in run mode) * 1000 (to converse KW | al no. of running pumps) / 542 ert value from MW into KW) = 3.30 |



FIGURE 168 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 164), a screen (refer) will open that covers the following list of Important Parameters of particular district:

- Standalone Solar Pumps

- o 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 Figure 169) 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. (highlighted in yellow in below Figure 169)
- Also user can navigate back to the state view by clicking on state name. (highlighted in red in below Figure 169)



FIGURE 169 BROAD VIEW OF CONSUMER/FARMER OF SELECTED DISTRICT

• By clicking on any of two coloured icon, user can view particular consumer/farmer's Solar Pump statistics as shown below in Figure 170.

| nstalled Capacity | | |
|---------------------|------------------------|-----------------------------|
| Capacity (HP) | Solar Mo | dule Capacity (Actual) (KW) |
| 10 | | 9.00 |
| Status | | |
| Pumps Status | | |
| STOP | | |
| ndicator (Total) | | |
| Pump BunHours (Hrs) | Solar Generation (KWH) | Water Discharged (Liters) |
| 0 | 0 | 0 |
| System Info | | |
| | | |

FIGURE 170 CONSUMER/FARMER SOLAR PUMP STATISTICS

• By clicking on consumer/farmer's name and application no. (Blue text in above Figure 170), user will be redirected to the Real Time tab under Asset Mapping by EA under Asset module.





23. PERFORMANCE ANALYSIS

- The Performance Analysis Module of the SEDM Portal gives a detailed analytical report comprising System Performance Numbers and Energy Transaction Statistics, for both state-level and district-level analysis, based on the date range or district selection provided by the user.
- > Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Performance Analysis' option on the Title Bar of the SEDM Portal Dashboard

- Sign In >> Performance Analysis
- Below are the brief points covered under this module:

o Duration Selection Filter

- Last Week
- Last Month
- Current Week
- Current Month
- Between User Configurable Dates

• System Performance Analysis

- Solar Performance Analysis Generation, %CUF, %PR
- RMS Performance Analysis % Data Availability, % Device Connectivity
- On the State Level Performance Analysis Dashboard, in the centre, a map of State is displayed with locations marked where the Solar Pump Project is set up.
- The columns on either side of the dashboard show various Diagnostic Statistics and Asset Performance and Parameters.
- Users can view the performance report for any desired date range, Empanelled Agency and District by selecting the relevant option from the filters. (highlighted in red in below Figure 172)

NOTE: Date Custom range is allowed upto 60 days only.

State Level Performance Analysis



FIGURE 172 STATE LEVEL PERFORMANCE ANALYSIS

TABLE 50 PERFORMANCE ANALYSIS STATICS CALCULATIONS AND DESCRIPTION

| Performance Analysis Statistics | Calculation | Description |
|--|---|---|
| Installed Solar Pumps 12716 98739.00 89.84 Nes HP MWp | Nos. :- Total no. of I&C Pumps HP :- Sum of Capacity (HP) of Total no. of I&C Pumps MWp :- Sum of KWp / 1000 (to convert in MWp) = (value in MWp) | Displays the details of total no. of Solar Pumps of the consumer/farmer application whose current status is "Installation & Commission Done" |
| RMS Integrated Solar Pumps 7868 60510.5 55.10 Nos HP MWp | Nos. :- Total no. of RMS Integrated Pumps HP :- Sum of Capacity (HP) of Total no. of RMS Integrated Pumps MWp :- Sum of KWp / 1000 (to convert in MWp) = (value in MWp) | Displays the details of total no. of RMS integrated pumps. (the pumps that had sent data on the State SEDM Platform since the first time) |
| Total Solar Generation 89076.19 MUs | Cumulative Sum of total solar generation (KWh) according the selected days in date range <i>I</i> 1000000 (to convert in MUs) | It is calculated as per : 1MWp = 1000 KWp 1KWp = 1000 watts (1kwh/1000000)=MUs |
| Avg. Solar Generation per Day Per KW 2.84 units | Total Solar Generation / (selected no. of days in date range * Total capacity of RMS Integrated Pumps (HP)) | It is calculated considering Total Solar generation, Sum of total Capacity of RMS Integrated Pumps and Date range (no. of days) |
| Avg. CUF Per Day 2.05 % | Total Solar Generation <i>I</i> (Total capacity of RMS Integrated Pumps (HP) * selected no. of days in date range) * 100 = (value in %) | It is calculated consider the no. of units generated per day, solar generation (kWp) and 24 hours (to calculate avg per day) |
| Total CO2 Reduction 2275.09 Tons | - Total Solar Generation / 1000000 (MUs) * 800 = (value in Tons) | This calculation consider Total Solar Generation and convert it into Tons by dividing the value by 10,00,000 |
| Total Water Discharge 10458869.00 Kiloliters | - Cumulative Sum of total water discharged according to the capacity of total RMS Integrated Pumps | This calculations will be Cumulative considering total units generated per HP and sum of total capacity (HP) |
| Avg. Water Discharge per Day per HP 1339.51 Liters | Total water discharge / 30 (days selected in date range) / total rms integrated pumps capacity (HP) | This calculations will be Cumulative considering total water discharge, selected days in date range and total capacity (HP) of RMS Integrated Pumps |
| Total Pump ON Duration 1195986.22 Hrs. | Sum of total running hours of RMS Integrated Pumps according to the selected no. of days in date range | This calculations will be Cumulative considering total running hours of RMS Integrated Pumps and selected days in date range |
| Avg. Pump ON Duration per Day per System 153:17 HR:MM | Total Pump ON Duration / 30 (selected no. of days in date range) / Total no of RMS Integrated Pumps = (value in HH:MM) | This calculation will be Cumulative considering Total running hours of RMS Integrated Pumps, no. of days selected in date range and total no. of RMS Integrated Pumps |

| Avg. Device Connectivity per Day 44.3 s | Total no. of hours of RMS device connectivity / Total no. of RMS Integrated Pumps / selected no. days in date range * 100 = (value in %) | This calculation considers the total no. hours that RMS device has been connected on the State SEDM Platform, total no. of RMS integrated pumps to calculate average of each device and no. of days selected in date range to calculate average device connectivity per day |
|--|---|--|
| Avg. Data Availability per Day 86.53 % | Total no. of samples (RMS data) received from the RMS device / Total no. of hours of RMS device connectivity / selected no. days in date range * 100 = (value in %) | This calculation considers total no. of samples (RMS data) that is received from the RMS device from the total hours of RMS device connectivity with the State SEDM Platform and no. of days selected in date range to calculate average device connectivity per day |

• By clicking upon the green location icon (shown in Figure 173), user can view Performance Analysis statistics of particular district as shown in below Figure 173.

| Installed Capacity | | | |
|----------------------------------|-----------------------------|-----------------------------------|--|
| Standalone Solar Pumps (Nos) | Total Capacity (HP) | Total Solar Module Capacity | |
| 33 | 232 | (KW) | |
| | | 213.00 | |
| RMS Integrated Capacity | | | |
| RMS Integrated Solar | Total Capacity (HP) | Total Solar Module Capacity | |
| Pumps(Nos) | 77.5 | (KW) | |
| 12 | | 71.85 | |
| Performance Indicators (Per Da | ay) | | |
| Avg. CUF(%) | Total Solar Genration (KWH) | Avg. Solar Genration per Day | |
| 3.99 | 2133.89 | Per KW (units) | |
| | | 0.96 | |
| Irrigation Indicators (Per Day) | | | |
| Total Pump On Duration (Hrs | .) Avg. Pu | Avg. Pump On Duration per Day per | |
| 1265.18 | | System(HH:MM) | |
| | | 03:24 | |
| Total Water Discharged (Kilolite | ers) Avg. Water Di | scharged per Day per HP (Liters) | |
| 5930.92 | | 2468.64 | |
| Avg. Communication UpTime Ir | ndicators | | |
| Device Connectivity (%) | Data Availability (%) | Total Co2 Reduction (Tons) | |
| 0.00 | 0.00 | 17.071120 | |





- 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 Figure 174) 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.
- Also user can navigate back to the state view by clicking on state name. (highlighted in red in below Figure 174)



FIGURE 174 BROAD VIEW OF CONSUMER/FARMER OF SELECTED DISTRICT

• By clicking on red location icon, user can view particular consumer/farmer's Solar Pump statistics as shown below in Figure 175.



FIGURE 175 CONSUMER/FARMER SOLAR PUMP STATISTICS

• By clicking on consumer/farmer's name and application no. (Blue text in above Figure 175), user will be redirected to the Real Time tab under Asset Mapping by EA under Asset module. (as shown in below Figure 176)



FIGURE 176 REAL TIME VIEW OF THE CONSUMER/FARMER

24. SUMMARY

- Under the 'Consumer/Farmer' tab title bar, there are three 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/Farmer 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: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Consumer/Farmer' option on the Title Bar of the SEDM Portal Dashboard
 - 3. Click on the 'Summary' option from the drop-down menu
- Sign In >> Consumer/Farmer >> Summary



FIGURE 177 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.

| Status | Image | Description | Want to know how to change status? (Click Ctrl + Click) |
|---------------------------|--|---|--|
| Application Received | Application Received 1067 6687.50 HP 6223.95 KWp District Wise Details | This box indicates the total number of consumer/farmer applications received. | <u>Click here</u> |
| Aadhar Authentication | Authentication 93 735.00 HP 671.40 KWp District Wise Details | This box indicates the total number of Aadhar authenticated consumers/farmers. | Refer Table 34 |
| Site Survey Done | Site Survey Done 84 687.50 HP 626.25 KWp District Wise Details | This box indicates the total number of consumers/farmers whose status "Site Survey Done" is updated. | <u>Click here</u> |
| Feasible Application | Feasible Application 83 680.00 HP 619.50 KWp District Wise Details | This box indicates the total number of consumers/farmers whose application is accepted by the authorized user. | <u>Click here</u> |
| Farmer Share Received | Applicant Contribution Received 83 680.00 HP 619.50 KWp District Wise Details | This box indicates the total number of consumers/farmers whose contribution is received. | <u>Click here</u> |
| Order Placed to EA | Order placed to EA 67 522.50 HP 478.35 KWp District Wise Details | This box indicates the total number of consumers/farmers whose application is assigned to the Empanelled Agency. | <u>Click here</u> |
| Lot & Doc. Creation by EA | Lot & Doc. Creation by EA 47 405.00 HP 367.80 KWp District Wise Details | This box indicates the total number of consumers/farmers whose status is changed to "Lot & Doc. Creation by EA". | <u>Click here</u> |
| Lot & Doc. Verified | Lot & Doc. Verified 47 405.00 HP 367.80 KWp District Wise Details | This box indicates the total number of consumers/farmers whose status is changed to "Lot & Doc. Verified". | <u>Click here</u> |

| Pre Dispatch Inspection (PDI) Dispatched | PreDispatch Inspection 47 405.00 HP 367.80 KWp District Wise Details | This box indicates the total number of consumers/farmers whose status is changed to "Pre Dispatch Inspection".Click hereThis box indicates the totalClick here |
|--|--|---|
| | 47 405.00 HP 367.80 KWp District Wise Details | number of consumers/farmers whose status is changed to "Dispatched". |
| Installation & Commission (I&C) | Installation & Commission 44 375.00 HP 340.80 KWp District Wise Details | This box indicated the total number of consumers/farmers whose status is changed to "Installation & Commission". |
| I & C Verification | I & C Verification 44 375.00 HP 340.80 KWp District Wise Details | This box indicates the total number of consumers/farmers, when authorized person changes the status "I & C Verification" of consumers/farmers. |
| SFA (State Financial Assistance) released | SFA Released 24 202.50 HP 184.05 KWp District Wise Details | This box indicates the total number of consumers/farmers whose State fund is released by the authorized user. |
| CFA (Central Financial Assistance) released | CFA Released 24 202.50 HP 184.05 KWp District Wise Details | This box indicates the total number of consumers/farmers whose Central fund is released by the authorized user. |
| Application on Hold | On Hold О 0.00 нр 0.00 кwp District Wise Details | This box indicates the total number of consumers/farmers whose application is on Hold by the authorized user. |
| Application Rejected | Application Rejected 0 0.00 нр 0.00 кWp District Wise Details | The above box indicates the total number of consumers/farmers whose application is Rejected by the authorized user. |

• There are several Empanelled Agencies that a user can choose from (pointed out in below Figure 178), depending on their analytical requirement or data studying.



FIGURE 178 EA SELECTION OPTION IN 'SELECT EA' FILTER

• Users also get the option to filter the results by selecting the Pump capacity (pointed out in below Figure 179), under the 'Select Solution' drop-down text field.



| Select Capacity | ALL ~ | GO |
|----------------------------|--|-------------------|
| / Done | Please Select | plicant Contribut |
| 173801.70 КWp | DC-3HP,Surface Pumps AC-3HP,Submersible Pumps (WaterFilled Motors) AC-5HP,Submersible Pumps (WaterFilled Motors) | 13978.50 HP |
| Details | AC-7.5HP,Submersible Pumps (WaterFilled Motors) AC-10HP,Submersible Pumps (WaterFilled | District Wise |
| /erified <mark>3</mark> | Motors) DC-3HP,Submersible Pumps (WaterFilled Motors) DC-5HP,Submersible Pumps (WaterFilled Motors) DC-7.5HP,Submersible Pumps (WaterFilled | Dispatch 550 |
| 15870.60 | Motors) | 5290.00 |

FIGURE 179 CAPACITY OPTIONS IN 'SELECT CAPACITY' FILTER

• Consumer/Farmer Management Dashboard Output after applying filters. (shown in below Figure 180)



FIGURE 180 APPLIED FILTER: SRI SAVITIR SOLAR PVT LTD (EA), AC-7.5HP, SUBMERSIBLE PUMPS (WATERFILLED MOTORS)
• 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 181 INDIVIDUAL APPLICATION STAGE

• To get more details for every sub-division, users can click on the 'District Wise Details' button in the label box.

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.

| Applicati | on Received | | | × |
|-----------|---------------------------|------------------------------------|---------------|-------------------------|
| | | Search: | | Show / hide columns |
| | DC-10,Sub | DC-10,Sub | | 🔁 No. |
| 0 | (WaterFilled ≎ Motors) | rumps ≎ (Oilfilled ≎ Motors) | Uncategorized | District |
| | 0 | 0 | 0 | Application Rece |
| | 2 | 0 | 0 | AC-5,Surf Pumps |
| | 12 | 0 | 0 | AC-7.5,Surf |
| | 0 | 0 | 0 | Pumps |
| | 0 | 0 | 0 | AC-10,Surf |
| | 5 | 0 | 0 | DC-5,Surf |
| | 2 | 0 | 0 | Pumps |
| | 0 | 0 | 0 | DC-7.5,Surf |
| | 2 | 0 | 0 | DC-10,Surf |
| | 0 | 0 | 0 | LO FOINDS |
| | 0 | 0 | 0 | Pumps (WaterFilled |
| | 0 | 0 | 0 | Motors) |
| | 0 | 0 | 0 | AC-7.5,Sub Pumps |
| | 0 | 0 | 0 | (WaterFilled Motors) |
| | 0 | 0 | 0 | AC-10,Sub |



• 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 183)



FIGURE 183 USING "SEARCH" FILTER TO LIST DOWN ALL ENTRIES FOR DISTRICT = AMRITSAR

• The users can directly download the whole data in tabular formats by clicking onto the required file source buttons, i.e. CSV or Excel, present on the top left corner. (highlighted in blue in above Figure 183)

25. CONSUMER/FARMER MANAGEMENT ANALYSIS

Consumer/Farmer Management module provides users a feature to conduct data analysis on SEDM Portal. The 'Analysis' option under Consumer/Farmer drop-down menu provides the data representation in different graphical format, such as, map, stacked column chart, bar chart, funnel chart and pie chart.



FIGURE 184 CONSUMER/FARMER MANAGEMENT ANALYSIS OPTION SELECTED ON CONSUMER/FARMER DASHBOARD

- Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Consumer/Farmer' option on the Title Bar of the SEDM Portal Dashboard
 - 3. Click on the 'Analysis' option from the drop-down menu
- Sign In >> Consumer/Farmer >> Analysis



FIGURE 185 CONSUMER/FARMER ANALYSIS DASHBOARD

- The first graphical analysis is for the type of pump, pump rating, and number of pumps allocated or installed as per the registered users. This data is represented in a stacked column chart, the data label of the chart are as follows:
 - The y-axis denotes the scale of 'total pumps
 - The x-axis denotes different pump ratings (HP)
 - The type of pump (AC / DC) is bifurcated using purple and blue colours respectively.



FIGURE 186 FILTER APPLIED: APPLICATION RECEIVED

• The following graphical analysis are bar charts listing top 5 districts and last 5 districts, based on various parameters determining the status of application procedure.

| 1 Top Five Distric | t | Application Received - |
|------------------------------------|---|------------------------|
| FAZILKA (1638/1500) | | 100.00% |
| BATHINDA (1525/1500) | | 100.00% |
| SRI MUKTSAR SAHIB (921/1500) | | 61.40% |
| FATEHGARH SAHIB (77/ 1500) | | 5.13% |
| FARIDKOT (45/ 1500) | | 3.00% |
| | | |

FIGURE 187 FILTER APPLIED: FEASIBLE APPLICATION



FIGURE 188 FILTER APPLIED: APPLICATION RECEIVED

- All the above 3 charts have same filter search option, which is a list of various steps at which a Consumer/Farmer's application reaches, i.e. from application registration to application completion and equipment allotment.
- Users can choose any of the parameter from the drop-down list and view the details in graphical format.



FIGURE 189 FILTER OPTIONS FOR ANALYSIS GRAPHS

• The SEDM Consumer/Farmer Management module also offers a more comprehensive graphical view where the users can see a cumulative representation of Application Status stages, covering all the steps of application procedure and statistics in one view, with the help of pie and funnel chart.



FIGURE 190 CONSUMER/FARMER ANALYSIS - PIE CHART

FIGURE 191 CONSUMER/FARMER ANALYSIS – FUNNEL CHART

• The users are provided with a filter option to choose the EA for which they want to see the data analysis, this can be selected from the drop-down menu in Status Analysis box.

| Status | Analysis | All 👻 | 🚞 Status Ana | lysis | Shakti Pumping 🕶 | |
|---------|-------------------|-----------------------------------|--------------|-------------------|------------------------------|---|
| | ALL | | | | | |
| C Pie C | Sai Babuji Pr | ojects | Pie Chart | Left Funnel char | rt | |
| | Rajasthan Ek | ectronics And Instruments Limited | | Total Application | ns: 6090 | |
| | Tata Power S | olar Systems Limited | - | | Applicat | Í |
| | Test IA | | | - | Site Surv | |
| | Gautam Sola | e; | | | | |
| | Shakti Pumpi | ng | | | | |
| | neety EURO- | ASIA SOLAR ENERGY | | | Feasible Ap | |
| | Solex energy | limited | | | Applicant C | |
| | Rotomag Mol | tor and Controls Pvt Ltd | | | | |
| | Ecozen Solut | ions Private Limited | | 20 | Order placed to | |
| | Ethos Power | | | L L | ot & Doc. Verified | |
| | Premier Sola | r System Pvt Ltd | | ///P | reDispatch Ins Dispatched | |
| | VRG ENERG | Y INDIA PVT LTD | | ///// tr | nstallation & Co | |
| | | SFA Released | | s s | FA Released | |
| | | CFA Released | | C | FA Released | |
| | | On Hold | | - 0 |)n Hold | 1 |
| | | | 4 | | | 1 |
| | | | | | | |
| | | | FIGURE 103 | | | |
| | FIGURE 192 | FILTER APPLIED: SHAKTI | TIGURE 193 | OPTION: | S | |
| | | PUMPING | | 0. 11010 | - | |

• The Consumer/Farmer Management Analysis Dashboard hosts a real-time Map view in the centre. In this map, the districts currently covered in the PM-KUSUM project implementation are pinned.



FIGURE 194 MAP VIEW

• The Map also comes with the filter options to narrow down the results based on Application status and the EA (highlighted in red in Figure 195).



FIGURE 195 FILTER APPLIED: INSTALLATION & COMMISSION, TATA POWER SOLAR SYSTEMS LTD

- The Consumer/Farmer management module also provides a dynamic option of Google Street View of the farmland, which can help to get a bird-eye view of the site field, help in site inspection and check the installation process. User can also manoeuvre the field in any direction and orientation with given options.
- When the user clicks on specific district's location pin, a pop-up box appears which displays the pump rating wise (AC/DC) analysis as well as complete application stage wise status analysis in the graphical format, to give a brief analysis diagram to the user.



FIGURE 196 CONSUMER/FARMER ANALYSIS STATISTICS FOR DISTRICT-WISE LOCATION

26. 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: -
 - 1. Sign in on the State SEDM Portal
 - 2. 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:

• Provision to update and track multiple application status for workflow

- 14 primary application status for National Platform requirement
- Based on State state's requirements 'Sub Status' functionality can be added

o Workflow with User and Role Management

- User from State Implementing Agency or Empaneled Agency may update the status of Application with Date
- Access to User and Workflow sequence for sub status may be decided by state implementing agency

• Provision to update Application Status in multiple modes

- Individual Application Status Update
- Bulk Update
- To select multiple Consumer/Farmer application numbers and update the status with date and document reference number
- District wise .csv upload of multiple applications with status dates
- Web or Mobile User Interface to update Application Status from Various Modules
- Provision to auto generate process related documents and reports against various application stages such as Notice to Proceed, Notice for Deposit Payment, Project Completion Report or Joint Commissioning Report etc.

26.1 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 of reports based on the input parameters of the filters provided.
- Different Types of Reports are:

| | Home | Consum | E Scheme Progress | Asset | Live Monitoring | Performance Analysis | ¢ Setting | Device Registration | |
|---------------------------|-------------------------|---------|------------------------|---------|-----------------|-------------------------|--------------|---------------------|-----|
| 낸 Yearly Progress Summary | 네 District Progress Sun | nmary 🗵 | Capacity Wise Progress | Summary | 네 Empanelled / | Agency Progress | s Summary | 🖼 Gender Wise Rep | ort |

FIGURE 197 MIS REPORTS

> 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
 - Report View (Tabular/Chart).
- Tabular View

| | ном | AE Consumer Scheme Progra | ess Asset Live | Monitoring Setting Dev | ice Registration User | Role Complaint | | | | Liscan Cloud based let 5 |
|----------------------------|-----------------|----------------------------|-----------------|------------------------|-----------------------|--------------------|---|-----------------|---|-----------------------------|
| Yearly Progress Summary | District Progre | ss Summary Capacity Wise P | rogress Summary | Empanelled Agency P | rogress Summary (| Sender Wise Report | | | | |
| Select Empanelled Agency | | Select District | | Select Year | | Result Type | | Select Sanction | | |
| ALL | * | Budgam | ~ | 2019 | ~ | KWp | ~ | ALL | ~ | |
| Select Status | | | | | | | | | | |
| Aadhar Authentication 🙁 Si | ite Survey by | EA 😣 Farmer Share Receive | d 😣 Order pla | aced to EA 😣 | GO | Tabular Chart | | | | |
| Installation by EA 8 | | | | | | | | | | |
| Last Updated Time: *U | ncategorize | ed Records are Calculated | As Per WaterF | illed Pump Category. | | | | | | |
| 4 | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

FIGURE 198 Yearly Progress Summary – Tabular view

• Chart View



FIGURE 199 Yearly Progress Summary - Chart view

> DISTRICT PROGRESS SUMMARY

- District 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
 - Select Capacity
 - Result Type
 - Application Status Selection
 - Report View (Tabular/Chart)
- Tabular View

| elect Empanelled Agency | Select District | Select Year | Result Type | | Select Sanction | |
|---------------------------------|------------------------------------|-------------------------------------|----------------------|---|-----------------|---|
| .LL | ~ ALL | ~ ALL | V No. Of Application | ~ | ALL | ~ |
| alect Status | | | | | | |
| Aadhar Authentication 😣 Site Su | rvey by EA 😣 Farmer Share Received | Order placed to EA | GO Tabular Chart | | | |
| Installation by EA 🙁 | | | | | | |
| st Undated Time: *Uncat | egorized Records are Calculated A | As Per WaterFilled Pump Category | | | | |
| | | is the tracer most simple accigoly. | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FIGURE 200 District Progress Summary- tabular view

• Chart View



FIGURE 201 DISTRICT PROGRESS SUMMARY - CHART VIEW

> CAPACITY WISE PROGRESS SUMMARY

- 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
 - Result Type
 - Application Status Selection
 - Report View (Tabular/Chart)
- Tabular View

| Select Empan | elled Agency | Sele | ect District | | Select Pump Capacity | Select Pump Type | Select Pump Sut | o type Sele | ect Pump Category |
|----------------|-------------------------|-----------|--|----------------------|-----------------------------|----------------------|-------------------------|----------------------|----------------------|
| ALL | ~ | ALL | - | ~ | ALL | ALL | ~ ALL | ~ Wa | terFilled ~ |
| Result Type | | Sele | ect Status | | | | | | |
| No. Of Applic | ation ~ | / Ap | plication Received stallation by EA 😣 | Site Survey by EA | S Farmer Share Received S (| Order placed to EA 😣 | GO Tabular Ch | art | |
| Last Updated T | ime: 19-07-2021 07:18:2 | 28 *Uncat | tegorized Records are | Calculated As Per Wa | terFilled Pump Category. | | | | |
| CSV Ex | roel | | | | | | Search: | | |
| Sr No. 🗠 | Capacity (HP) 🗘 | Type 🗘 | Sub Type 🗘 | Category 🗘 | Application Received 🗘 | Site Survey by EA 💠 | Farmer Share Received 🗘 | Order placed to EA 💠 | Installation by EA 💠 |
| 1 | 3 | DC | Surface | | 1956 | 1199 | 907 | 793 | 735 |
| 2 | 3 | AC | Submersible | WaterFilled | 1500 | 549 | 510 | 505 | 381 |
| 3 | 5 | AC | Submersible | WaterFilled | 6012 | 2276 | 2091 | 2016 | 1607 |
| 4 | 7.5 | AC | Submersible | WaterFilled | 5881 | 4076 | 1892 | 1780 | 1446 |
| 5 | 10 | AC | Submersible | WaterFilled | 14798 | 13730 | 6320 | 6032 | 5091 |
| 6 | 3 | DC | Submersible | WaterFilled | 1028 | 377 | 339 | 335 | 253 |
| 7 | 5 | DC | Submersible | WaterFilled | 3938 | 1457 | 1340 | 1306 | 947 |
| 8 | 7.5 | DC | Submersible | WaterFilled | 3227 | 2256 | 942 | 906 | 775 |
| 9 | 10 | DC | Submersible | WaterFilled | 3955 | 3409 | 1485 | 1425 | 1246 |
| 10 | 10 | AC | Surface | | 2455 | 1200 | 1136 | 1034 | 748 |
| Total | | | | | 44730 | 30529 | 16962 | 16132 | 13229 |
| Showing 1 to | o 10 of 10 entries | | | | | | | | |

FIGURE 202 CAPACITY WISE PROGRESS SUMMARY - TABULAR VIEW

• Chart View



FIGURE 203 CAPACITY WISE PROGRESS SUMMARY - CHART VIEW

> EMPANELLED AGENCY PROGRESS SUMMARY

- Empanelled Agency Progress Summary to show PM-KUSUM scheme progress statistics with respect to various EA in State.
 - The data reports are presented in both tabular and graphical chart format.

- All the reports are available to download in CSV or Excel format, by clicking on the respective buttons in the top left corner of the generated report output.
- The filter options provided to the users are :
 - Select District
 - Select Solution
 - Result Type
 - Application Status Selection
 - Report View (Tabular/Chart)

• Tabular View

| Select Di ALL Select St | istrict Select Solution V ALL V | Result Type No. Of Application | ~ | | | |
|-------------------------------|--|-----------------------------------|-------------------------|-----------------------------------|----------------------|-----------------------------|
| Authent | tication 🙁 Site Survey Done 🙁 Applicant Contribution R | eceived 🛞 Order place | ed to EA 😣 Installation | a & Commission 🙁 GO | Tabular Chart | |
| Last Upda | ted Time: 29-05-2021 01:02:46 | | | | | |
| CSV | Excel | | | Search: | Show | 15 V entries |
| Sr No. 🔺 | Empanelled Agency | Authentication 🗘 | Site Survey Done 🗘 | Applicant Contribution Received 💲 | Order placed to EA 🛟 | Installation & Commission 🗘 |
| 1 | Sai Babuji Project Pvt. Ltd | 4 | 4 | 4 | 4 | 0 |
| 2 | Rajasthan Electronics and Instruments Limited Jaipur | 0 | 0 | 0 | 0 | 0 |
| 3 | Tata Power Solar Systems Limited | 0 | 0 | 0 | 0 | 0 |
| 4 | Shakti Pumps I Ltd | 0 | 0 | 0 | 0 | 0 |
| 5 | Solex energy limited | 448 | 443 | 402 | 402 | 0 |
| 6 | Sungrace Energy Solution Pvt. Ltd | 201 | 193 | 187 | 187 | 0 |
| 7 | Junna Solar Systems Pvt. Ltd | 186 | 185 | 143 | 143 | 0 |
| 8 | Sri Savitir Solar pvt Ltd | 83 | 81 | 44 | 44 | 0 |
| 9 | Swelect Energy Systems Limited | 15 | 15 | 15 | 15 | 0 |
| 10 | CRI Pumps Pvt. Ltd | 121 | 117 | 111 | 111 | 0 |
| Total | | 1058 | 1038 | 906 | 906 | 0 |

FIGURE 204 EMPANELLED AGENCY PROGRESS SUMMARY – TABULAR VIEW

• Chart View



FIGURE 205 EMPANELLED AGENCY PROGRESS SUMMARY - CHART VIEW

> GENDER WISE REPORT

• Gender Wise Report to show PM-KUSUM scheme progress statistics with respect to count of genders, details about loan availability and land coverage in all districts.

- The filter options provided to the users are :
 - Select Empanelled Agency
 - Select Capacity
 - Select Year
 - Result Type

• Tabular View

| Yearly | Progress Summa | ry District Pro | gress Summary | Capacity Wis | e Progress Summa | ary Empanelled | d Agency Progress | Summary G | ender Wise Rep | ort | | | | | | |
|-----------|--------------------------|----------------------------------|------------------------------------|--|---|---|--|--|---|--|--|---|--|---|---|--|
| Sele | ect Empanelled Ag | ency | | | Select Capacity | | | | Select Year | | Re | sult Type | | | _ | |
| ALL | - | | | ~ | ALL Capacity | | | ~ | ALL | | ~ H | ectare | · · · · · · · · · · · · · · · · · · · | , GO | | |
| CSV | Excel PC | DF | | | | | | | | | | | | | Sho | w / hide columns |
| Sr No. | Dis tr icts 🗘 | Male beneficiary \$ (Nos.) | Female beneficiary \$ (Nos.) | Transgender beneficiary ≎ (Nos.) | Total Land Coverage of Male ≎ beneficiary (Hectare) | Total Land Coverage of Female beneficiary (Hectare) | Total Land Coverage of Transgender beneficiary (Hectare) | Loan Availed by Male \$ Benificiary (Nos.) | Loan Availed by Female Benificiary (Nos.) | Loan Availed by Transgender Benificiary (Nos.) | Loan Not Availed by Male \$ Benificiary (Nos.) | Loan Not Avalied by Female Benificiary (Nos.) | Loan Not Availed by Transgender Benificiary (Nos.) | Loan Detail Not Available by Male Benificiary (Nos.) | Loan Detail Not Available by Female Benificiary (Nos.) | Loan Detail Not Available by Transgender Benificiary (Nos.) |
| 1 | ANANTNAG | 80 | 1 | 0 | 313 | 0 | 0 | 0 | 0 | 0 | 80 | 1 | 0 | 0 | 0 | 0 |
| 2 | BANDIPORA | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| 3 | BARAMULLA | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 |
| 4 | Budgam | 13 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 |
| 5 | GANDERBAL | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 6 | JAMMU | 25 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 1 | 0 | 0 | 0 | 0 |
| 7 | KATHUA | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| 8 | KULGAM | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| 9 | PULWAMA | 98 | 8 | 0 | 211 | 8 | 0 | 0 | 0 | 0 | 98 | 8 | 0 | 0 | 0 | 0 |
| 10 | SAMBA | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| 11 | SHOPIAN | 29 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 2 | 0 | 0 | 0 | 0 |

FIGURE 206 GENDER WISE REPORT – TABULAR VIEW

26.2 BULK PROGRESS MAPPING

- State Implementing Agency (SIA) is an authorized user for bulk progress mapping.
- 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 'Bulk Progress Mapping' option from the drop-down menu
- Sign In >> Scheme Progress >> Bulk Progress Mapping
- The Bulk Progress Mapping Feature Module helps the users to select multiple Consumer/Farmer applications and update the data or information fields for all of them at one go.
- The users can update the Consumer/Farmer status with corresponding dates and document reference number and can also view chronological specifications and ownership of documents uploaded on the portal, with the Bulk Progress Mapping Dashboard.

| | 1 | Home Consumer | Scheme Progress | Asset 1 | Live Monitoring Performance Analysis | Setting Device Re | g istration | User Role Com | g plaint ~ | | | | elli | |
|-----------------------------|-------------------------|---------------|-----------------|---------|---|-------------------------|--------------------|-----------------|------------------|-------------------|----|---------------------|------|---------------------|
| Bulk Data Entry and Prog | ress Mapping Inform | ation | | | | + | Order To | EA Updste 🕇 | | ite Survey Update | ÷ | Farmer Share Update | + | All Stage Update |
| CSV Excel PDF | | Search: | | | | | | | | Show | 15 | ✓ entries | | Show / hide columns |
| Consumer Details | No of Consumer Count | ¢ Date | 🗘 Ref. No | . 0 | Status 🗘 | Download Document | \$ | CreatedBy | ٥ | CreatedOn | ٥ | Last Modified by | ٥ | Last Modified On 💲 |
| Consumer List | 1 | 07-07-202 | 1 Form | I | Authentication | No Document Attached | | Test_Superadmin | | 07-07-2021 | | Test_Superadmin | | 07-07-2021 |
| Consumer List | 1 | 07-07-202 | 1 Form | ľ | Order placed to EA | No Document Attached | | SuperAdmin | | 07-07-2021 | | SuperAdmin | | 07-07-2021 |
| Consumer List | 1 | 06-07-202 | 1 Form | | Site Survey Done | No Document Attached | | SuperAdmin | | 06-07-2021 | | SuperAdmin | | 06-07-2021 |
| Consumer List | 906 | 01-04-202 | 1 CSV | | Order placed to EA | No Document Attached | | TNADMIN | | 01-04-2021 | | TNADMIN | | 01-04-2021 |
| Consumer List | 1037 | 01-04-202 | 1 CSV | | Site Survey Done | No Document Attached | | TNADMIN | | 01-04-2021 | | TNADMIN | | 01-04-2021 |
| Showing 1 to 5 of 5 entries | | | | | | | | | | | | | Pr | evicus 1 Next |

FIGURE 207 BULK PROGRESS MAPPING DASHBOARD

BULK PROGRESS MAPPING DASHBOARD DESCRIPTION

١

| Action | Functionality | Highlighted Colour | Туре | Description |
|-----------------------------|---|-----------------------|-----------|---|
| CSV/Excel/ PDF | Download CSV or Excel/ PDF of Consumer/Farmer status details | Green | Button | User can download either CSV or Excel or PDF file of consumer/farmer scheme progress details. (refer Figure 215 and Figure 216) |
| Search | Search Consumer/Farmer | Orange | Text | Users can refine their results by searching for particular Consumer/Farmer details via "Search" box. |
| Site Survey Update | Change status "Site Survey Done" of multiple Consumer/Farmer | Red | Button | By clicking this button, a window screen will appear (as shown in Figure 208) where user has to upload a CSV file in order to change the application status "Site Survey Done" of multiple consumers/farmers. |
| Farmer Share Received | Change status "Farmer Share Received" of multiple Consumer/Farmer | Yellow | Button | By clicking this button, a window screen will appear (as shown in Figure 212) where user has to upload a CSV file in order to change the application status "Farmer Share Received" of multiple consumers/farmers. |
| Order To EA | Change status "Order To EA" of multiple Consumer/Farmer | Blue | Button | By clicking this button, a window screen will appear (as shown in Figure 210) where user has to upload a CSV file in order to change the application status "Order Placed to EA" of multiple consumers/farmers. |
| Add Form | Any Status Progress Mapping of Consumer/Farmer in Bulk | Pink | Button | By clicking this button, a window screen appear (as shown in Figure 214) to change the any application status of consumers/farmers in bulk. |
| Show/Hide Columns | Filter to refine required column | Sky Blue | Drop Down | Users can refine their results by using the "Show/Hide" columns feature on top right corner. |
| Consumer | Multiple Consumer Details | Black | Button | By clicking on this button, a window screen will appear (as shown in) where user can see multiple consumers/farmers whose status has been changed all together. |

> Site Survey Bulk Update

| Upload CSV File | | | |
|----------------------------|------------------------------|--------|-------|
| Choose File No file chosen | ≛ Download Excel File | | |
| | | | |
| | | | |
| | | Cancel | Uploa |

FIGURE 208 SITE SURVEY DONE CSV FILE UPLOAD

- SIA user can update "Site Survey Done" status in bulk.
- He has to download an excel file format (refer format Figure 209) by clicking on Download Excel File. (red highlighted button in above Figure 208)

| Consumer Details No of | f Consumer Count D | Date | Ref. No. | Status | Download Document | CreatedBy | CreatedOn | Last Modified by | Last Modified On | |
|------------------------|--------------------|------|----------|--------|-------------------|-----------|-----------|------------------|------------------|--|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

FIGURE 209 SITE SURVEY BULK UPLOAD FORMAT

• SIA user has to remove the dummy data and enter his own data with multiple application nos. and name of Empanelled Agencies and save that excel file as "**.CSV**" and upload it on the State SEDM Platform. (as shown in the Figure 208)

> Order Placed to EA Bulk Update

| Order To EA | | × |
|--|---------------------|---------------|
| Upload CSV File Choose File No file chosen | Download Excel File | |
| | | Cancel Upload |

FIGURE 210 ORDER TO EA CSV FILE UPLOAD

- SIA user can update "Order Placed to EA" status in bulk.
- He has to download an excel file format (refer format Figure 211) by clicking on Download Excel File. (red highlighted button in above Figure 210)

| Α | В | С | D | E | F | G | Н | I. | J | K | |
|---------|-----------|------|----------|--------|----------|-----------|----------|-----------|-----------|---------|--|
| Consume | No of Con | Date | Ref. No. | Status | Download | CreatedBy | CreatedO | Last Modi | Last Modi | fied On | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

FIGURE 211 ORDER PLACED TO EA BULK UPLOAD FORMAT

SIA user has to remove the dummy data (as a format shown in above Figure 211) and enter his own data with multiple application nos. and name of Empanelled Agencies and save that excel file as ".CSV" and upload it on the State SEDM Platform. (as shown in the Figure 210)

> Farmer Share Received Bulk Update

| Farmer Share Received | | × |
|--|-----------------------|---------------|
| Upload CSV File Choose File No file chosen | 🛓 Download Excel File | |
| | | Cancel Upload |

FIGURE 212 FARMER SHARE RECEIVED CSV FILE UPLOAD

- SIA user can update "Farmer Share Received" status in bulk.
- He has to download an excel file format (refer format Figure 213) by clicking on Download Excel File. (red highlighted button in above Figure 212)

| Α | В | С | D | E | F | G | Н | 1 | J | K | |
|---------|-----------|------|----------|--------|----------|-----------|----------|-----------|-----------|---------|--|
| Consume | No of Con | Date | Ref. No. | Status | Download | CreatedBy | CreatedO | Last Modi | Last Modi | fied On | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

FIGURE 213 SITE SURVEY BULK UPLOAD FORMAT

- SIA user has to remove the dummy data (as a format shown in above Figure 213) and enter his own data with multiple application nos. and amount of farmer's share for Solar Pump installation and has to save that excel file as ".CSV" and upload it on the State SEDM Platform. (as shown in the Figure 212)
- On clicking onto the 'Add Form' feature a pop-up box appears in which the user must add or update all the necessary details in a Farmer's application stage along with the reference number.
- Here, the user can also add the details in bulk manner by uploading the relevant file with all Consumer/Farmer details.

| ** | + | • | ++ |
|----------------------|----------------------------|-------------------------------------|----|
| Search | | Search | |
| npty list | | Empty list | |
| lon-selected | | Selected | |
| Ref.No. | Choose File No file chosen | | |
| Ref.No. | File input | | |
| 2021/01/15 | Please Select | • | ¥ |
| present at thereit . | substate chapter see | select retition search opposite (or | |

FIGURE 214 BULK PROGRESS UPDATE FORM

• The "File Input" field is to upload any relevant reference document.

NOTE: Application status "**SFA Released**" and "**CFA Released**" can be updated only from here by selecting "SFA" or "CFA" from the "Select Farmer Status Update To" drop down from the above Bulk Progress Update Form. (Refer Figure 214)

• PDF :

| Consumer Details | Download | Date | Ref. No. | Status | CreatedBy | CreatedOn | LMB | LMO |
|---------------------|----------------------------|------------|-------------|---------------------------------------|------------|------------|------------|------------|
| Consumer | No Document Attached | 29-12-2020 | CSV | Applicant Contribution Received | SuperAdmin | 29-12-2020 | SuperAdmin | 29-12-2020 |
| Consumer | No Document Attached | 28-12-2020 | CSV | Applicant Contribution Received | SuperAdmin | 28-12-2020 | SuperAdmin | 28-12-2020 |
| Consumer | No Document Attached | 22-12-2020 | 0 | Order placed to EA | SuperAdmin | 22-12-2020 | SuperAdmin | 22-12-2020 |
| Consumer | No Document Attached | 22-12-2020 | 0 | Order placed to EA | SuperAdmin | 22-12-2020 | SuperAdmin | 22-12-2020 |
| Consumer | No Document Attached | 22-12-2020 | 0 | Applicant Contribution Received | SuperAdmin | 22-12-2020 | SuperAdmin | 22-12-2020 |

FIGURE 215 PDF OUTPUT

• EXCEL/CSV :

| A | 1 - : ; | × ✓ ƒx BulkProgr | ressMapping | | | | | | | | |
|----|---------------------|----------------------|-------------|----------|--------------------|----------------------|-----------------|------------|------------------|------------------|--|
| | А | В | С | D | E | F | G | Н | I. | J | |
| 1 | BulkProgressMapping | | | | | | | | | | |
| 2 | Consumer Details | No of Consumer Count | Date | Ref. No. | Status | Download Document | CreatedBy | CreatedOn | Last Modified by | Last Modified On | |
| 3 | Consumer List | 1 | 07-07-2021 | Form | Authentication | No Document Attached | Test_Superadmin | 07-07-2021 | Test_Superadmin | 07-07-2021 | |
| 4 | Consumer List | 1 | 07-07-2021 | Form | Order placed to EA | No Document Attached | SuperAdmin | 07-07-2021 | SuperAdmin | 07-07-2021 | |
| 5 | Consumer List | 1 | 06-07-2021 | Form | Site Survey Done | No Document Attached | SuperAdmin | 06-07-2021 | SuperAdmin | 06-07-2021 | |
| 6 | Consumer List | 906 | 01-04-2021 | CSV | Order placed to EA | No Document Attached | TNADMIN | 01-04-2021 | TNADMIN | 01-04-2021 | |
| 7 | Consumer List | 1037 | 01-04-2021 | CSV | Site Survey Done | No Document Attached | TNADMIN | 01-04-2021 | TNADMIN | 01-04-2021 | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |

FIGURE 216 EXCEL/CSV OUTPUT

27. ASSET TRACKING & REPLACEMENT

> ASSET TRACKING

Navigation Steps: 1. Sign in on the State SEDM Portal

- 2. Click on the 'Asset' option on the Title Bar of the SEDM Portal Dashboard
- 3. Click on the 'Asset Tracking' option from the drop-down menu
- Sign In >> Asset Management >> Asset Tracking
- The Asset Tracking Feature Module provides the users a coherent view for monitoring the assets and helps in keeping a track of the maintenance or service requests raised by Consumers/farmers.
- The Asset Tracking Dashboard hosts 6 types of views, pertaining to each type of user function:
- Site Location
- Field Service Engineer
- EA Store Under Inspection
- EA Store
- SIA Lab
- SIA Store

| .9. Site-Location | Och Field Lenvice Field | uar St EA Store | Under inspection | AND EA Store | | A 181.0 | | SIA Store | | | |
|-------------------------|-------------------------------------|-----------------|------------------|--------------|--------|------------------|---------|--------------------|-----------------------|------------------|-----------------|
| | | 161 | | 111 | | 9 | - | | | | |
| lect District | Asset Ty | De | Gol | | | | | | | | |
| | | | | | | | | | | | |
| sset List | | | | | | | | | | | |
| opy Escel CSV | POF Print In(| w 100 🛩 entries | | | | | 4 | 2 | | 5 | row / hide colu |
| Serial No 😄 Asset I | listory - Location Asset History | C Application O | Farmer Name 🗘 | Asset Type 🔅 | Vendor | O Manufacturer O | Model : | Serial No of Asset | Commissioning Date | Installed Date 🗘 | Duratio |
| 6. | | Application Ne | Famer Name | Asset Type | Vendor | Manufacturer | Model | Sental No of A | Commissioning | Installed Dab | Duration |
| 1 |) Q | 024564868 | Gatiodiya | RMU | HKRP | HKAPL | 4117273 | 120-435-465 | 15-04-2020 | 25-04-2020 | 10 |
| 2 |) Q | 024564868 | Gatiodiya | RMU | HKRP | HKAPI, | 4117273 | 120-435-465 | 15-04-2020 | 25-04-2020 | 10 |
| owing 1 to 2 of 2 entri | us: | | | | | | | | | Parie | un 1 |
| | | | | | | | | | | | |

FIGURE 217 SITE LOCATION DASHBOARD

| SITE LOCATION DASHBOARD DESCRIPTION | | | | | | | | | |
|-------------------------------------|---------------|------------------------|------|-------------|--|--|--|--|--|
| Action | Functionality | Highlighte d Colour | Туре | Description | | | | | |

| Copy/Excel/CSV /PDF/Print | Download Excel or CSV or PDF or Print the Site Location Details | Red | Button | Users get an option to download in desired format or print the asset tracking reports by selecting any of the button options – Copy / Excel / CSV /PDF /Print |
|------------------------------|---|--------|-------------|--|
| Asset History | View the history of the asset | Blue | Icon Button | The users can view asset history details by clicking onto the icon in the second column of the Site Location Dashboard. |
| Location Asset History | View the details of the assets | Yellow | Icon Button | By clicking on the icon in the third column of the Site Location Dashboard, users can view the Location Asset History and know the details regarding the vendor, manufacturer, serial no. of asset, commission date, installation date, etc. |

| Asset History | × |
|--|---------------------|
| AssetHistory Information Copy Excel CSV PDF Print Show 100 ~ entries Q | Show / hide columns |
| SN. Sub- Location Inward Date Outward Date Duration Asset Status | |
| SN. Sub-Loca InWarc OutWard Duration Asset | |
| No data available in table | |
| Showing 0 to 0 of 0 entries | Previous Next |
| | Cancel |

FIGURE 218 ASSET HISTORY

| Location History | | | | | | | | × | | |
|---|--------------------------|----------------|---------|-----------------------------|-----------------------|-------------------|----------|------|--|--|
| LocationHistory Information Copy Excel CSV PDF Print Show 100 ~ entries Q Show / hide columns | | | | | | | | | | |
| SN Location 🗘 Sub Location 🗘 | Asset Type 🗘 Vendor 🗘 | Manufacturer 🗘 | Model ≎ | Serial No of \$ Asset | Commissioning Date | Installed Date | | | | |
| SN. Location Sub Loca | Asset Vendor | Manufacturer | Model | Serial | Commisning Dat | Installed | | | | |
| No data available in table | | | | | | | | | | |
| Showing 0 to 0 of 0 entries | | | | | | | Previous | Next | | |
| | | | | | | | Car | icel | | |

FIGURE 219 LOCATION HISTORY



FIGURE 220 FIELD SERVICE ENGINEER DASHBOARD



FIGURE 221 EA SERVICE STORE INSPECTION

| Sub | Location | | | | | | | | | | |
|------------------|----------------------------------|--|--|--|--|--|--|--|---|---|---|
| All | ्. ्र | Asset Sta | itus V | Got | | | | | | | |
| | | | | | | | | A Transfe | er +Creat | e 🛛 Acknowl | edge |
| POF Print Sho | w 100 v entries | | | | | | | | Q, | | |
| Asset History | owledge? () Status Update | Sub Location () | loT System No. 🗘 | Asset Type 🗘 | Agency 🗘 | Manufacturer 🗘 | Model 🗘 | Meter Type 🗘 | Asset Serial No. 0 | Meter Details 🗘 | As |
| D 1 | 6 2 | Tata EA Store 3 | | Pump | Sai Bəbuji Projects | Shakti Pumps | EPPI- 2700- 3-DC | | 1113336 | | Neg |
| 5 | e 2 | Tata EA Store 3 | | Pump | Shakti Pumping | Shakti Pumps | EPPI- 2700- 3-DC | | 111333 | | Neg |
| 3 | 6 C | | | Pump | XYZ Pvt | Tata Pumps | P1 | | 7864534 | | Neg |
| | | | | | | | | | | | |
| | PDF Print Sho Asset C IsAcker | PDF Print Show 100 • entries Asset IsAcknowledge? Status History IsAcknowledge? Status D Image: Status Update D Image: Status Update | PDF Print Show 100 entries Asset IsAcknowledge? Status Sub Location (History IsAcknowledge? Tata & Store (Image: Status Image: Status Image: Status Image: Status </td <td>POF Print Show 100 • entries Asset IsAcknowledge? Status Sub Location <> IoT System No. <> Image: Status <</td> <td>POF Print Show 100 • entries Asset BAcknowledge? Status Sub Location Update IoT System No. Asset Type Implate Image: Show Image: Show Image: Show Image: Show Image: Show Image: Show Image: Show Image: Show</td> <td>Print Show 100 entries Asset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Tata EA Store Pump Shakti Pumping Masset IsAcknowledge? IsAcknowledge? IsAcknowledge? IsAcknowledge? IsAcknowledge? IsAcknowledge? Masset IsAcknowledge? Tata EA Store Pump Pump Shakti Masset <thisacknowledge?< th=""> IsAcknowledge?</thisacknowledge?<></td> <td>Print Show 100 · entries Asset IsAcknowledge? Status Update Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Tata EA Store () Pump () Sub () <</td> <td>Print Show 100 v entries Asset History IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Asset History IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT Tata EA Store 3 Pump Salt Babuji Projects Shakti Pumps EPPI- 2700- 3-DC Model IoT IoT IoT Pump Shakti Pumps EPPI- 2700- 3-DC Model IoT IoT IoT Pump Shakti Pumps Pump</td> <td>2DF Print Show 100 ✓ entries Asset History IsAcknowledge? Statuat Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset History IsAcknowledge? Statuat Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type 3 I I IoT System No. Asset Type Agency Manufacturer Model Meter Type Meter Type Model Meter Type Model Meter Type Meter Type</td> <td>Arsset History Show 100 v entries Q Arsset History IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset Serial No. O IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset Serial No. O Isa IoT Tata EA Store 3 Pump Sal Babuji Projects Shakti Pumps EPPI- 2700- 3-DC 111333 O Isa IoT Tata EA Store 3 Pump Shakti Pumps EPPI- 2700- 3-DC 111333 O Isa IoT Pump Shakti Pump EPPI- 2700- 3-DC 111333 O Isa Pump XYZ Prit Lid Tata Pumps Pil 7864534</td> <td>20F Print Show 100 ~ entries Q Asset Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset Serial No. Meter Details Meter De</td> | POF Print Show 100 • entries Asset IsAcknowledge? Status Sub Location <> IoT System No. <> Image: Status < | POF Print Show 100 • entries Asset BAcknowledge? Status Sub Location Update IoT System No. Asset Type Implate Image: Show Image: Show Image: Show Image: Show Image: Show Image: Show Image: Show Image: Show | Print Show 100 entries Asset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Sub Location IoT System No. Asset Type Agency C Masset IsAcknowledge? Status Tata EA Store Pump Shakti Pumping Masset IsAcknowledge? IsAcknowledge? IsAcknowledge? IsAcknowledge? IsAcknowledge? IsAcknowledge? Masset IsAcknowledge? Tata EA Store Pump Pump Shakti Masset <thisacknowledge?< th=""> IsAcknowledge?</thisacknowledge?<> | Print Show 100 · entries Asset IsAcknowledge? Status Update Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Sub Location () IoT System No. () Asset Type () Agency () Manufacturer () Asset IsAcknowledge? Status () Tata EA Store () Pump () Sub () < | Print Show 100 v entries Asset History IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Asset History IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT System No. Asset Type Agency Manufacturer Model Model IoT IoT Tata EA Store 3 Pump Salt Babuji Projects Shakti Pumps EPPI- 2700- 3-DC Model IoT IoT IoT Pump Shakti Pumps EPPI- 2700- 3-DC Model IoT IoT IoT Pump Shakti Pumps Pump | 2DF Print Show 100 ✓ entries Asset History IsAcknowledge? Statuat Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset History IsAcknowledge? Statuat Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type 3 I I IoT System No. Asset Type Agency Manufacturer Model Meter Type Meter Type Model Meter Type Model Meter Type Meter Type | Arsset History Show 100 v entries Q Arsset History IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset Serial No. O IsAcknowledge? Status Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset Serial No. O Isa IoT Tata EA Store 3 Pump Sal Babuji Projects Shakti Pumps EPPI- 2700- 3-DC 111333 O Isa IoT Tata EA Store 3 Pump Shakti Pumps EPPI- 2700- 3-DC 111333 O Isa IoT Pump Shakti Pump EPPI- 2700- 3-DC 111333 O Isa Pump XYZ Prit Lid Tata Pumps Pil 7864534 | 20F Print Show 100 ~ entries Q Asset Update Sub Location IoT System No. Asset Type Agency Manufacturer Model Meter Type Asset Serial No. Meter Details Meter De |

FIGURE 222 EA STORE

| | EA STC | ORE DASHB | OARD DES | CRIPTION |
|-------------|---|-----------------------|----------|--|
| Action | Functionality | Highlighted Colour | Туре | Description |
| Transfer | To transfer asset to particular location and sub location | Red | Button | By clicking on the 'Transfer' button, a pop-up box appears where user must select the location and sub-location where the assets have to be transferred and then click the save button to store the updated details. |
| Create | To create & allocate the new asset | Red | Button | The 'Create' button on EA store dashboard gives user the feature to create and allocate a new asset by filling in all the required fields in the pop-up box that is generated. |
| Acknowledge | To acknowledge the application | Red | Button | By clicking on the 'Acknowledge' button, selected application will be acknowledged, and a green thumb icon will be displayed in |

| | | | | the 'Is Acknowledged' column on the EA store dashboard. |
|---------------|---|--------|-------------|--|
| Status Update | To update the status of installed assets | Yellow | Icon Button | By clicking onto this icon, a pop-up box appears in which the user can update the status of the installed assets i.e. installed, working, defective, etc. |

| CAsset Status | Change | | ~ |
|--|-------------------|--------|--------|
| Asset Status Ch Asset Status Defective | nange Information | | |
| | | Cancel | 🖺 Save |

FIGURE 223 STATUS UPDATE POP-UP BOX

| Location Transfer | | × |
|-------------------------------|------------------|---------------|
| Location Transfer Information | 1 | |
| Location To * | Sub Location To* | |
| - * | ~ | |
| | | |
| | | Cancel 🕒 Save |
| | | |

FIGURE 224 TRANSFER POP-UP BOX

- The 'Create' button on EA store dashboard gives user the feature to create and allocate a new asset by filling in all the required fields in the pop-up box that is generated.
- By clicking on the 'Acknowledge' button, selected application will be acknowledged, and a green thumb icon will be displayed in the 'Is Acknowledged' column on the EA store dashboard.

| Create Asset | | | | 2 | c |
|--------------------------|---|---------------------------|---|---------------------|---|
| Create Asset Information | | | | | |
| Asset Name * | | Select Asset Type * | | Select Manufaturer* | |
| Asset Name | | Select Asset Type | ~ | - ~ | * |
| Select Product * | | Select Empanelled Agency* | | Serial No * | |
| - | ~ | Select Vender | ~ | Serial No | |
| Status* | | Manufacturing Date | | Warranty Start Date | |
| NegativeReading | ~ | | | | |
| Warranty Days * | | Sub-Location* | | | |
| Warranty Days | | Select Sub-Location | ~ | | |
| | | | | | |
| | | | | Cancel 🖺 Save | |

FIGURE 225 CREATE POP-UP BOX



FIGURE 226 SIA LAB

| it Type | Sub Location | | Asset Status | | | - | | | | | | |
|-------------------|--------------------|----------------|-----------------|--------------|----------|--------------------|---------|---------|------------|-----------------|---------|----------|
| ~ | ALL | ~ | All | ~ | Go | e | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | 🖬 Ackn | owledge | Trans |
| | | | | | | | | | | | | |
| SV Excel PDF | Print Show 100 ~ | entries | | | | | | | | ۹ | | |
| rial Select Asset | : IsAcknowledge? : | Sub Location 🗘 | lot System No 🗘 | Asset Type 🗘 | Agency 0 | Manufacturer 0 | Model C | Meter o | Asset 0 | Meter Details 🗘 | Asset 0 | Previous |
| | | | | | | | | туре | Serial No. | | Status | Location |
| Ni. | | | | | | | | | | | | |
| | | | | | No data | available in table | - | | | | | |
| | | | | | 140 0000 | Grandore ar coord | | | | | | |
| | | | | | | | | | | | | |

FIGURE 227 SIA STORE

• The above 6 panel's dashboard outputs can be further filtered by using the 3 provided filters of Asset Type, Sub Location and Asset Status (as shown in Figure 228, Figure 229 and Figure 230)

| Asset Type | | Sub Location | | Asset Status | | |
|-----------------|----------|--------------|---------|--------------|---|-----|
| ALL | ~ | ALL | ~ | All | ~ | Go! |
| ALL | | | ÷. | 10 10 | | |
| Pump | | | | | | |
| Solar Panel | | | | | | |
| Pump Controller | with RMS | | | | | |
| Structure | | | | | | |
| USPC | | show 100 | entries | | | |

FIGURE 228 ASSET DASHBOARD FILTER – ASSET TYPE

| Asset Type | Sub Location | | Asset Status | | |
|------------|--------------|--------------------|--------------|---|-----|
| All | ~ | All 🗸 | All | ~ | Go! |
| | | All | | | |
| | | Tata EA Store 3 | | | |
| | | Gurgaon EA Store 2 | | | |

FIGURE 229 ASSET DASHBOARD FILTER - SUB LOCATION

| Asset Type | Sub Location | | Asset Status | | | |
|---|--------------------|----------------|--|-----|----------|-------|
| ALL | ~ ALL | ~ | All | ~ | Go | ρĮ |
| | | | All Active | | | |
| CSV Excel PD | F Print Show 100 ~ | • entries | Damaged Burnt NegativeReading Replacement | | | |
| Serial No $\stackrel{\text{Select}}{\rightarrow}$ All Hi | istory | Sub Location 🗘 | Repair Ic Stores | • ≎ | Agency 🗘 | Manuf |

FIGURE 230 ASSET DASHBOARD FILTER – ASSET status

ASSET REPLACEMENT

- Empanelled Agency is an authorized user to perform the IMEI replacement functionality.
- He can replace the IMEI no. in case of mapping faulty IMEI no. or consumer/farmer has been replaced with new RMS device with new IMEI no.
- Navigation Steps: -
 - 1. Sign in on the State SEDM Portal
 - 2. Click on the 'Asset' option on the Title Bar of the SEDM Portal Dashboard
 - 3. Click on the 'Asset Mapping by EA' option from the drop-down menu
- Sign In >> Asset >> Asset Mapping by EA



FIGURE 231 ASSET MAPPING BY EA OPTION

- EA user can replace IMEI no. through "Asset Mapping by EA".
- To search consumer/farmer for individual asset serial no or IMEI no mapping, user can search consumer/farmer by two ways i.e. either entering IMEI number (if mapped) or Application number, the corresponding details of the consumer/farmer gets displayed on the Asset Mapping by EA Dashboard or the another way is, by applying four filters i.e. District selection, Empanelled Agency selection, Capacity selection and Application Status selection to get the particular consumer/farmer details.
- Empanelled Agency can view only those consumers/farmers details whose Order is placed to them.

| Bulk Asset And IMEI Mapping Upload F | ile Choose File No file chosen | | Upload | | | | | ▲Bulk Asset And | IMEI Mapping Format |
|--------------------------------------|------------------------------------|-----------------|-----------------|-------------------------------|--------------|------------------|---------|-----------------|---------------------|
| | | | | | | | | | |
| Individual Asset & IMEI Mapping | | | | | | | | | |
| IMEI No: | Application No: | | | Pump Id: | | | | | |
| IMEI No | GO Application No | | GO | Pump Id | | GO | | | |
| Select District | Select Empanelled Agency | Select Capacity | | Select Status | | | | | |
| ANANTNAG 💠 | ALL \$ | ALL Capacity | \$ | Installation Verification Not | Satisfied \$ | GO | | | |
| 🛓 ConsumerList 🛔 Consumer Info | 🗏 Asset Details 🖵 RealTime 🌼 Histo | ry | | | | | | | |
| | | | | | | | | | tide entreme |
| | | 6 | | | : | Search: | | 3r | now / nide columns |
| S.No. Application No. 🗘 | Farmer Name 🗘 Father Name 🗘 Mol | ile No. | Cocation Dis | trict 🗘 Latitude 🗘 | Longitude | Required Pump \$ | No.Type | Capacity(HP) | IMEI No. 🗘 |
| | | | | | | | | | |
| | | | No data availal | ble in table | | | | | |
| Showing 0 to 0 of 0 entries | | | | | | | | | Previous Next |

FIGURE 232 ASSET MAPPING BY EA DASHBOARD

After searching for the consumer/farmer details, EA user has to click on the application number (highlighted in red in above Figure 232) to redirect to the "IMEI Replacement" button in consumer info tab. (highlighted in red in below Figure 233)

| ConsumerList | Info III Asset Details 💭 RealTime 💠 History |
|-----------------------------------|--|
| onsumer Details | |
| Ankit | |
| Application No: PR/PM KUSUM | A RELATION |
| Mobile Number: 9966331440 | 1000,000 |
| S Pump Details: AC 5HP Submer | wible |
| A Installation Verification Date: | |
| Commissioning & Go Live Date | |
| Asset Mapping | IMEI Replacement 05 I&C Update Insurance update and Upload |
| te info | |
| EMPANELLED AGENCY | : Tata Power Solar Systems Limited |
| - COMMUNICATION ADDRESS - | |
| ADORESS | : DASDF |
| DISTRICT | :R |
| TALUKA | : Ajnala |
| | |

FIGURE 233 IMEI REPLACEMENT BUTTON

- By clicking "IMEI Replacement" button, user can replace and register new IMEI no. all together at once by selecting 1st Option i.e. "By Generating New IMEI No." (highlighted in red in below Figure 234)
- User just have to enter the new IMEI no. in the IMEI No. field and click on Replace Button to register and replace new IMEI no. together.

| nsumer IMEI No. Replacen | ent - 856698547410256 | |
|----------------------------|---------------------------|--|
| By Generating New IMEI No. | O From Exisiting | |
| il No.* | Solution * | |
| 11 No. | Standalone Solar Pump 🗸 🗸 | |
FIGURE 234 IMEI NO. REPLACEMENT BY GENERATING NEW IMEI NO.

 User can also replace already registered IMEI no. by selecting 2nd Option i.e. "From Existing" (highlighted in red in below Figure 235)

| Consumer IMEI No. Replacem | ent - 856698547410256 | | × |
|------------------------------|------------------------------------|---|---------------|
| O By Generating New IMEI No. | From Exisiting | | |
| Select IMEI No: | | ~ | |
| | 1 | Q | |
| | Select | | |
| | 861551D43942648 861551D43943489 | | |
| | 861551043961101 861551043965151 | | |
| | 861551043965508 861551043965649 | | Replace Close |
| | 861551043968098 | | |
| | 861551043972959 | | |
| | 861551043973197 | - | |
| | 0R1EE1042072270 | | |

FIGURE 235 IMEI NO. REPLACEMENT FROM REGISTERED IMEI NOS.

28. 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 236) and then selecting the option of 'Logout' (highlighted in red in below Figure 236).

| ansumer | Scheme Progress | Asset | Live Monitoring | Performance Analysis | Setting | Device Registration | 🕑 User Role | Complaint | |
|---------|-----------------|-------|-----------------|-------------------------|---------|---------------------|----------------|-----------|-------------------|
| | | _ | | | | | | | My Profile |
| | | | | | | | | | ९ Change password |
| | | | | | | | | | Logout |
| | | | | | | | | | |

FIGURE 236 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 237), 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 238)



FIGURE 237 HOME SELECTED



FIGURE 238 SIGN OUT

29. SUPPORT TEAM CONTACT DETAILS

| Name | Designation | Organization | Email | Phone |
|------------------------|-----------------------|--------------|--|------------|
| Mr. Surinder Pal Singh | Manager | JAKEDA | <u>surinderpal.singh72@jammuan</u> <u>dkashmir.gov.in</u> | 9463102385 |
| Mr. Jaspreet Singh | - | JAKEDA | jaspreet.singh603@jammuand kashmir.gov.in | 7009978502 |
| Mr. Bikram Singh | Assistant Manager (T) | JAKEDA | bvsingh@jakeda.gov.in | 8558870510 |

ANNEXURE-I (SITE SURVEY DONE)

SITE SURVEY DONE

- Empanelled Agency (EA) is the authorized user to change Consumer/Farmer Application status to Site Survey Done.
- After Aadhaar Authentication, authorized users has to change the status "Site Survey Done".
- For progressing towards Site Survey Stage, there is a separate application provided to Empanelled Agency (EA) to update the Site Survey status of Consumer/Farmer.
- Following are the process to follow in order to complete the Site Survey of Consumer/Farmer.
- Site Survey will be done only by Empanelled Agency (EA)
- URL : https://pbpmkss.hkapl.in

✤ INTRODUCTION

• Site Survey Mobile Application is designed to Empanelled Agency (EA) the additional feature of mobility to inspect, update or upload data reports, right from their mobile devices.



FIGURE 239 WELCOME PAGE OF SITE SURVEY MOBILE APPLICATION

✤ SIGN IN

- To sign in on the Site Survey Mobile App, users can click on the 'Sign In' button option, present on the top right corner of the Welcome Page.
- This will show a pop-up box where the user has to enter their username and password to sign in into their account.



FIGURE 240 SIGN IN BOX

✤ SITE SURVEY

• The primary feature of this Mobile Application is termed as 'Site Survey'. As a user signs in on the mobile app, the next screen that appears is the Site Survey Dashboard.

| elect Component | | |
|-----------------|----|-------|
| Component B | | ~ |
| plication No. | | |
| Application No. | Go | Clear |
| | | |
| | | |

FIGURE 241 SELECT COMPONENT AND APPLICATION NO

| | SITE SURVEY FILTERS | | | | | | | | |
|-----------------|---------------------|--------------------------|--------------------|------------------------|--|--|--|--|--|
| Field | Input | Image | Mandatory Field | Sample Value | Description | | | | |
| Component | Drop Down | Component B Component B | ✓ | Component B | Selection of Component of PM KUSUM scheme which they need to inspect or update the site details | | | | |
| Application No. | Text | - | ✓ | JK/PM KUSUM- B/4375 | Entering consumer/farmer's application number, authorized users can view, manage and edit the site management details by using this mobile application | | | | |

| C | | 8.2 | Intel | IIISCADA | |
|---------|--|--|---|--|-----------------------------------|
| Select | Compone | ent | | | |
| C | omponer | nt B | | | ~ |
| Applica | ation No. | | | | |
| | PB/PM K | 050M-B/43/5 | | 60 | Llear |
| INF | ORMATIC | ON OF APPLIC | ANT | | |
| 1 | Applica | tion No. | | PB/PM KUS | SUM- |
| 2 | Applica | nt Name | | KURDARAN | 4 |
| з | Applica | nt Contact No | - | 981276802 | :3 |
| 4 | Type of | Applicant | | Farmer | |
| 5 | Applica | nt Category | | SC/ST | |
| Det | ails of fa | rm where Sol | lar Pur | np is to be i | nstalled |
| 6 | Land St | urvey No. | | Empty | |
| 8 | Locatio | n District | | AMRITSAR | |
| 10 | Locatio | n of Taluka | | Empty | |
| 12 | Latitud | e of village | | 22.5558 | |
| | 🗢 Get | Current Locat | ion | | |
| 13 | Longitu | ıde | | 75.2965 | |
| PUN | IP DETAI | LS | | | |
| 14 | Require | ed Pump Capa | icity | з | |
| 15 | Require | ed Pump Type | | AC | |
| 16 | Require | ed Pump Sub | Туре | Submersib | le |
| 17 | Require | ed Pump Cate | gory | Water Fille | d |
| SOL | AR DETA | ILS | | | |
| 18 | Agree t Solar P Withou | o install Unive ump Controlle t Subsidy | ersal er | No | |
| 19 | ls South free lan for inst pump 7 | h facing shado nd available at allation of sola | site ar | No | |
| 20 | Water I (in met | Depth Level At er) | site | 8 | |
| 20 | Source | of Water | | Empty | |
| 21 | Size of (in met | Existing bore v er) | well | 1 | |
| 22 | Source | of power for g pump | | Empty | |
| 23 | ls farm connec DISCON | er having elec tion of the V at the site? | tric | Empty | |
| 24 | Photog | raph of site | | Attachments No Doc Fou | ument nd |
| 25 | UGPL/S irrigatio | Sprinkler/Drip on installed | | Micro Irrig | ation |
| 26 | Is Site S Installa Pump ? | tion Of Solar | | No | |
| Des | ignation | of Surveyor 1 | from E | mpanelled | Agency |
| 27 | Farmer Upload | Consent Forn | n | Attachments No Doc Fou | s:- <i>e</i> ument nd |
| 28 | Remark | < | | | |
| | It Is Cer System on date site Is M Capacit | tified that We is Limited has d 09-09-2021 Not Suitable f Submersibl | Tata I ve insp and as for inst | Power Solar bected the sa per site sur allation of 3 ype solar pu | nid site vey, the HP mp. |
| Sa | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

FIGURE 242 CONSUMER SITE SURVEY DETAILS

| Sr. No. | Sr. No. SITE SURVEY DETAILS | | | | | | |
|--------------|--|----------------------------|--|--|--|--|--|
| | INFORMATION OF APPLICANT | | | | | | |
| 1 | Application No. | JK/PM KUSM-B/4375 | | | | | |
| 2 | Applicant Name | BANDIPORA | | | | | |
| 3 | Applicant Contact No. | 9486394829 | | | | | |
| 4 | Type of Applicant | Marginal Farmer | | | | | |
| 5 | Applicant Category | Open | | | | | |
| 6 | Annual Income(INR) | 200000 Rs. Pa | | | | | |
| 7 | Year of Income | 2019 | | | | | |
| 8 | Farmer Photo | Farmerphoto.jpeg | | | | | |
| | DETAILS OF FARM WHERE SOLAR PUMP IS TO E | BE INSTALLED | | | | | |
| 9 | Land Survey No. | 100 | | | | | |
| 10 | Sub Division No. | 150 | | | | | |
| 11 | Location District | BANDIPORA | | | | | |
| 12 | Location Revenue Division | BANDIPORA | | | | | |
| 13 | Location Taluka | Annur | | | | | |
| 14 | Location Village | - | | | | | |
| 15 | Latitude | 20.5244 | | | | | |
| 16 | Longitude | 71.2464 | | | | | |
| PUMP DETAILS | | | | | | | |
| 17 | Required Pump Capacity | 5 | | | | | |
| 18 | Required Pump Type | AC | | | | | |
| 19 | Required Pump Sub Type | Submersible | | | | | |
| 20 | Required Pump Category | Water Filled | | | | | |
| | SOLAR DETAILS | | | | | | |
| 21 | Agree to install Universal Solar Pump Controller Without Subsidy? | No | | | | | |
| 22 | Is Facing shadow free land available at site for installation of solar pump? | No | | | | | |
| 23 | Source of Water | Bore Well | | | | | |
| 24 | Size of Existing bore well | 2 | | | | | |
| 25 | Source of power for existing pump | Diesel | | | | | |
| 26 | Is farmer having electric connection of the DISCOM at | No | | | | | |
| | the Site? | | | | | | |
| 27 | Photograph of site | Site.png | | | | | |
| 28 | UGCL/Sprinkler/Drip irrigation installed | Underground pipeline (UGP) | | | | | |
| 29 | Is Site Suitable for Installation of Solar Pump? | No | | | | | |
| | DESIGNATION OF SURVEYOR FROM EMPANEL | LED AGENCY | | | | | |
| 30 | Farmer Consent From Upload | Form.jpeg | | | | | |
| 31 | Remark | - | | | | | |

• Some key points to look-out for in the above report are:

| 22 | Is South facing shadow free land available at site for installation of solar pump ? | No |
|-----|--|---|
| 27 | Photograph of site | Attachments :- 🖉 🚽 —— Click to upload photo |
| | | HBKL.png |
| | | HF.png |
| | | FUJ.png |
| 28 | UGPL/Sprinkler/Drip irrigation installed | Underground pipeline (UGPL) |
| 29 | Is Site Suitable For | No uploaded photo |
| 23 | Installation Of Solar Pump ? | |
| Des | ignation of Surveyor from E | mpanelled Agency |
| 30 | Farmer Consent Form Upload | Attachments :- 🕖 |

FIGURE 243 KEY POINTS OF SITE SURVEY DETAILS

- Point 18, Is facing shadow free land available at site for installation of solar pump? (as shown in Figure 243 highlighted in red)

The site inspection officer checks for the land and sun direction to deem if the site is feasible for solar plant installation or not.

- Point 24, Photograph of site (as shown in Figure 243 highlighted in green)

After the inspection, the EA officer also uploads the relevant pictures of the land on the portal for District Officer or EA team to review.

- Point 26, Is Site Suitable for Installation of Solar Pump? (as shown in Figure 243, highlighted in blue)

The site is reviewed to be fit for solar pump installation by checking the water supply features and other parameters necessary to install a pump at that site.

- Point 27, Farmer Consent Form (as shown in Figure 243, highlighted in black)

After the survey inspection is done and all parameters are approved by the reviewing EA officer then a photo of the signed documents and also of the farm land along with the farmer and EA officer are clicked, and then uploaded onto the SEDM portal for verification purposes in the future.

- Point 29 & 30, Latitude and Longitude

When the farmer uses the Site Survey Mobile Application, the live coordinates of his farm location are synced from that app and updated in the SEDM portal.

By clicking on the below highlighted button "Get Current Location", user will get the current Latitude and Longitude of the installed Pump.

It will be used to verify the location provided during registration with this current location whether both are same or not.

• In the Site Survey report that gets generated the user can get the site's current geographical location by clicking on the 'Get Current Location' as shown in the red box in below Figure 244.



FIGURE 244 GET CURRENT LOCATION BUTTON

| 15 | Latitude Oct Current Location | 23.0696 |
|----|-------------------------------|---------|
| 16 | Longitude | 72.5323 |

FIGURE 245 LATITUDE-LONGITUDE

✤ SIGN OUT

- The users can log out or sign out from the Site Survey Mobile Application in the following way:
- By clicking onto the 'User' icon (highlighted in red in Figure 246), present at the top right corner on the title bar of the Site Survey Mobile App Dashboard and then selecting the option of 'Logout'.

| | ⊡ Logout |
|--------------------|----------|
| Select Component | |
| Component B | ~ |
| Application No. | |
| PB/PM KUSUM-B/4375 | Go Clear |
| | |

FIGURE 246 LOGOUT BUTTON

NOTE : To update status "Site Survey Done" in **bulk** i.e. of multiple consumers/farmers at once, click <u>here</u> to know more.

ANNEXURE-II (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

| eme Progress | Asset | Live Monitoring | Performance Analysis | Devi | ce Registration |
|--------------|-------|---------------------|-------------------------|-------|-----------------|
| | ± De | ewaload IMEI CSV Fi | lle Host / U | IRL : | 2 4 |
| | | | | | |

FIGURE 247 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 248)

| 🛓 Download IMEI CSV File | Host / URL : | + | Uplo |
|--------------------------|---------------------------|---|------|
| | | | |
| | | | |
| Fi | GURE 248 IMEI BULK UPLOAD | | |

| X | 🗄 🗲 👌 | Ŧ | | | | IM | EISampleFo | mat - Excel (P | roduct Activ | vation Faile | d) |
|--|---|----------------------|--|----------|----------------------|--------------------------|------------|----------------|------------------------|----------------------------|-------------------------|
| F | ILE HOME | INSERT | PAGE LAYOUT | FORMULAS | DATA | REVIEW | VIEW | DEVELOPER | ADD-1 | INS TE | AM |
| Pa | ste | - <u>u</u> - == | 11 · A A | | ≫- ₽ ∈ = ⊟ | Wrap Text Merge & Cer | nter - \$ | umber | ←.0 .00 (.00 →.0 F | Conditional ormatting ▼ | Format as Table • St |
| Clip | pboard 🕞 | Font | 5 | | Alignment | | E I | Number | - Gi | | Styles |
| Δ1 | | | | | | | | | | | |
| | • | P | | | E | 6 | | T | | V | |
| 1 | imei | | | | г | 6 | | 1 | J | N | L |
| 2 | 861551043913904 | | | DING | | | | | | | |
| 3 | 861551043912815 | | | | | | | | | | |
| 4 | 861551043972959 |) | | | | | | | | | |
| 5 | 861551043913581 | L | | | | | | | | | |
| 6 | 861551043973569 |) | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 2 3 4 5 6 7 8 9 10 11 12 12 | 861551043913904 861551043912815 861551043972959 861551043913581 861551043973569 | | Image: Sector | | | | | | | | |

FIGURE 249 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 249.
- After creating the CSV file carrying IMEI nos., user has to click on the "Upload Device Registration" button as highlighted in blue in Figure 248: "IMEI bulk upload".
- A window screen will appear to upload the CSV file carrying IMEI nos. as shown in below Figure 250.

| Device Registration Information | | | |
|---------------------------------|---|---------------------------|--------------------------------|
| File input | ר | Solution * | Empanelled Agency* |
| Choose File No file chosen | | Standalone Solar Pump 🛛 🗸 | Premier Solar System Pvt Ltd 🗸 |
| | | | |

FIGURE 250 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 250)
- 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 250)

➢ 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 251)

| File Host / URL : | | + | Upload Device Registration | + | Add New Device Registration |
|-------------------|----------------|-----------|----------------------------|----|-----------------------------|
| | | | | | |
| | | | | | T |
| | FIGURE 251 ADD | D New Dev | ICE REGISTRATION BUTTO | ON | |

- 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 252)
- When the user select "Is Password" option (highlighted in red in below Figure 252), it will generate the SSL certificates in the Device Registration dashboard, if not selected then it won't generate the certificates.

| + Add Device Registration | | × |
|---------------------------------|-----------------------------|--------------------------------|
| Device Registration Information | | |
| IMEI1 No.* | Solution * | Empanelled Agency* |
| 856415478856985 | Standalone Solar Pump 🔹 🗸 🗸 | Premier Solar System Pvt Ltc 🗸 |
| | | |
| SPassword | | |
| | | Cancel Save |

FIGURE 252 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

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