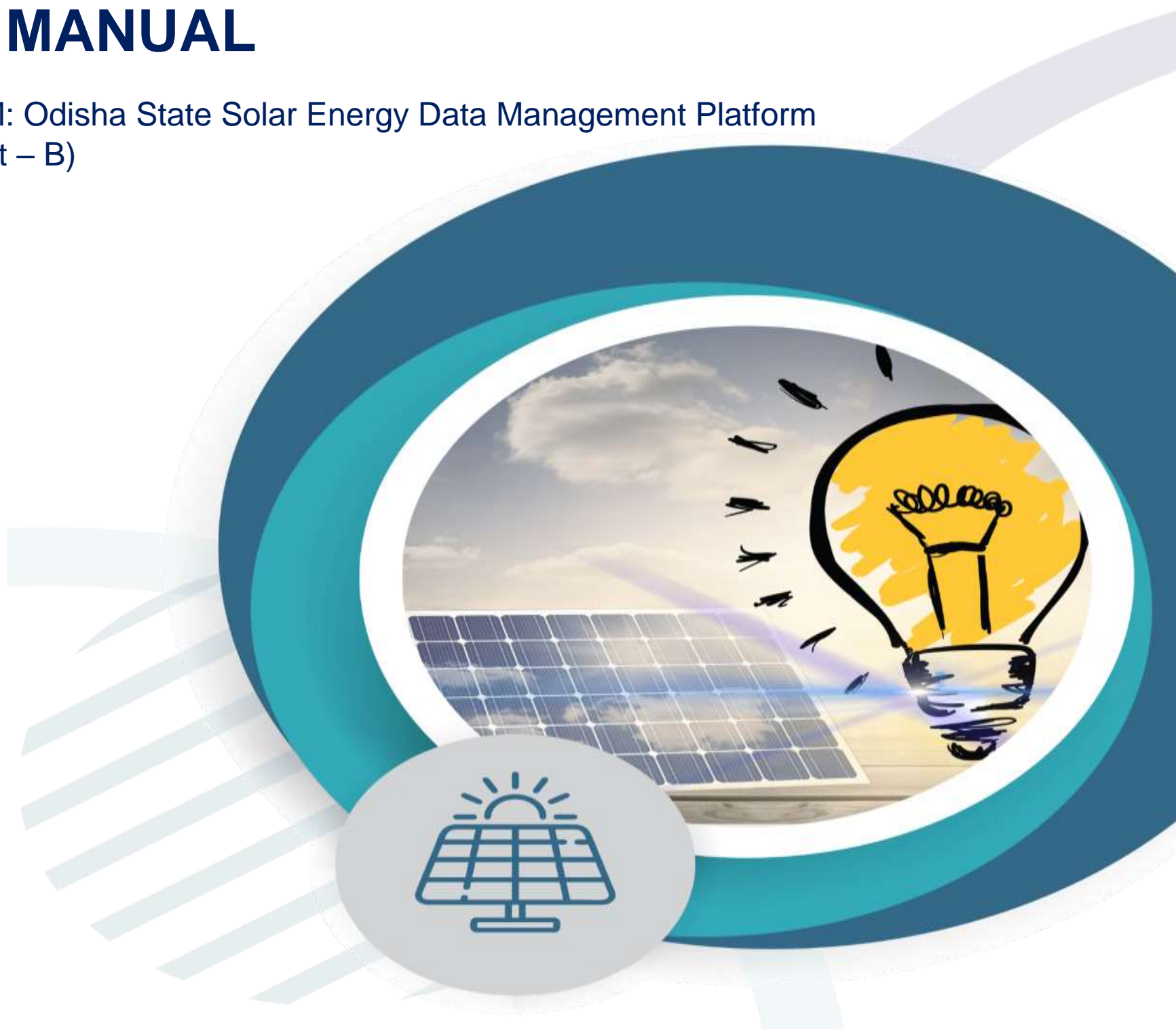


USER MANUAL

PM-KUSUM: Odisha State Solar Energy Data Management Platform
(Component – B)



Document is developed by HKRP Innovations LLP (HKRP) for Ministry of New and renewable Energy (MNRE) and Odisha Renewable Energy Development Agency (OREDA), Odisha under contract number 9678685515.

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

Table of Contents

1. INTRODUCTION TO PM-KUSUM SCHEME.....	9
2. SEDM PURPOSE & VISION.....	10
3. WELCOME PAGE.....	10
4. SIGN IN ON SEDM PLATFORM.....	18
5. HOME PAGE.....	20
6. USER PROFILE PAGE.....	21
7. CHANGE PASSWORD.....	24
8. REGISTER NEW STATE IMPLEMENTING AGENCY (SIA) & EMPANELLED AGENCY (EA).....	26
9. SETTING MODULE.....	26
9.1. REGISTRATION OF EMPANELLED AGENCY (EA).....	27
9.2. REGISTRATION OF STATE IMPLEMENTING AGENCY (SIA).....	32
10. USER ROLE MANAGEMENT.....	36
10.1 REGISTER NEW USER.....	37
11. MASTER SETTINGS (CONFIGURATIONS).....	61
11.1. REGISTRATION OF TENDER.....	62
11.2. EA RATE CARD.....	65
11.3. REGISTRATION OF EA STORE SUB LOCATION.....	70
11.4. REGISTRATION OF MANUFACTURER DETAILS.....	73
11.5. REGISTRATION OF PRODUCT DETAILS.....	78
11.6. REGISTRATION OF TENDER CHECKLIST.....	81
11.7. REGISTRATION OF TENDER CHECKLIST DETAILS.....	86
11.8. AUDIT TRAIL.....	90
12. APPLICATION WORKFLOW STAGES.....	92
13. CONSUMER/FARMER APPLICATION REGISTRATION.....	93
14. FEASIBLE APPLICATION.....	119
15. FARMER SHARE RECEIVED.....	124
16. ORDER PLACED TO EMPANELLED AGENCY (EA).....	125
17. ASSET TEST REPORT CREATION BY EA.....	127
18. LOT CREATION & UPDATING PDI STATUS.....	134
19. INSTALLATION AND COMMISSION (I&C) DONE.....	147
19.1 ASSET SERIAL NO. AND IMEI NUMBER MAPPING.....	147
19.2 INSTALLATION & COMMISSION DONE (I&C).....	152
20. INSTALLATION & COMMISSION (I&C) VERIFICATION.....	156

21. PCR (PROJECT COMPLETION REPORT)	162
22. LIVE MONITORING	169
23. PERFORMANCE ANALYSIS	177
24. SUMMARY	184
25. CONSUMER/FARMER MANAGEMENT ANALYSIS	191
26. SCHEME PROGRESS	198
26.1 SCHEME PROGRESS REPORT	199
26.2 BULK PROGRESS MAPPING	206
27. ASSET TRACKING & REPLACEMENT	211
28. SIGN OUT	221
29. SUPPORT TEAM CONTACT DETAILS	222
ANNEXURE-I (SITE SURVEY DONE)	223
ANNEXURE-II (IMEI NUMBER REGISTRATION)	230

Figures

Figure 1 Welcome Page.....	11
Figure 2 Frequently Asked Questions (FAQs)	12
Figure 3 Hindi Selected	13
Figure 4 Component – B District Wise Details.....	14
Figure 5 PM-KUSUM Component - B District Wise Status Report.....	14
Figure 6 Installers	15
Figure 7 Track Application	15
Figure 8 Application Entered To Track Application.....	15
Figure 9 Track Application Report.....	16
Figure 10 Notice	17
Figure 11 Important Documents	17
Figure 12 Contact Us	18
Figure 13 Sign In Page.....	19
Figure 14 Sign In screens.....	20
Figure 15 Home Page.....	21
Figure 16 User Profile Information box	23
Figure 17 Change Password	25
Figure 18 Modules	26
Figure 19 Setting Module.....	27
Figure 20 Empanelled Agency Tab	27
Figure 21 Empanelled Agency Tab Dashboard.....	28
Figure 22 CSV of Empanelled Agency Details	29
Figure 23 New Empanelled Agency Details	29
Figure 24 State Implementing Agency Tab	32
Figure 25 State Implementing Agency Tab Dashboard.....	32
Figure 26 CSV of State Implementing Agency Details	33
Figure 27 New State Implementing Agency Details.....	34
Figure 28 User Role Module	36
Figure 29 Add User Button on User Role Dashboard.....	37
Figure 30 Add User Form	41
Figure 31 User Information.....	42
Figure 32 Module Roles.....	47
Figure 33 Consumer Functionality	48
Figure 34 Scheme Progress Functionality	50
Figure 35 Site Survey Functionality.....	51
Figure 36 Asset Functionality	52
Figure 37 Live Monitoring Functionality.....	53
Figure 38 Device Registration Functionality.....	53
Figure 39 Complaint Sub Modules.....	54
Figure 40 User Role Dashboard	56
Figure 41 Change Password Screen	57
Figure 42 Assign Farmer Rights	58
Figure 43 User Role Module Selection Screen.....	60
Figure 44 Setting Module.....	61
Figure 45 Tender Tab.....	62
Figure 46 Tender Tab Dashboard	63
Figure 47 CSV of Tender Details.....	64
Figure 48 New Tender Details	64
Figure 49 EA Rate Card Tab	66

Figure 50 EA Rate Card Dashboard.....	66
Figure 51 CSV of EA Rate Card Details Figure	67
Figure 52 New EA Rate Card Details	68
Figure 53 EA Store Sub Location Tab	70
Figure 54 EA Store Sub Location Dashboard	71
Figure 55 CSV of EA Store Sub Location Details.....	72
Figure 56 New EA Store Sub Location Details	73
Figure 57 Manufacturer Tab	74
Figure 58 Manufacturer Tab Dashboard.....	74
Figure 59 CSV of Manufacturer Details	75
Figure 60 New Manufacturer Details.....	76
Figure 61 Product Tab	78
Figure 62 Product Tab Dashboard.....	79
Figure 63 CSV of Product Details	80
Figure 64 New Product Details.....	81
Figure 65 Tender Checklist Tab	82
Figure 66 Tender Checklist Tab Dashboard.....	83
Figure 67 CSV of Tender Checklist.....	84
Figure 68 New Checklist Details	84
Figure 69 Tender Checklist Detail Tab.....	86
Figure 70 Select Tender Checklist Template.....	87
Figure 71 Tender Checklist Template Dashboard.....	88
Figure 72 CSV of Tender Checklist Template	88
73 New Tender Checklist Details	89
Figure 74 Audit Tab.....	91
Figure 75 Audit Tab Filters	91
Figure 76 Audit Dashboard (Applied Filters).....	92
Figure 78 Details	94
Figure 79 Select District	94
Figure 80 District List	94
Figure 81 Add Farmer Button.....	94
Figure 82 Add farmer Form	95
Figure 83 Application & Consumer Details	96
Figure 84 Communication & Location Details	97
Figure 85 Irrigation Details	99
Figure 86 Pump Details	100
Figure 87 Solar Details	101
Figure 88 Agriculture Details	102
Figure 89 Financial & Commercial Details	103
Figure 90 Other Details.....	104
Figure 91 Loan Details.....	105
Figure 92 Bank Details.....	107
Figure 93 List of Document Attached	107
Figure 94 Detail Dashboard.....	108
Figure 95 Consumer Detail Data Columns	108
Figure 97 Consumer/Farmer Detail Dashboard	111
Figure 98 Confirmation Screen to Delete All Updated Consumer/Farmer Application Status	112
Figure 99 Filter 1 Solution & Empanelled Agency	112
Figure 100 Filter 2 Empanelled Agency.....	112
Figure 102 Download data Filters Screen	113
Figure 103 Details dashboard csv file (i).....	113

Figure 104 Details dashboard csv file (ii)	114
Figure 105 Details dashboard Excel file (i)	114
Figure 106 Details dashboard Excel file (ii)	115
Figure 107 Details dashboard Excel file (iii)	115
Figure 108 Details dashboard PDF	116
Figure 109 Show / Hide columns filter	117
Figure 110 Scheme Progress report for Consumer/Farmer	118
Figure 111 Site Survey Detail of Consumer/Farmer	119
Figure 112 Details	120
Figure 113 Details Dashboard	120
Figure 114 Site Survey Details	122
Figure 115 Application Accept button	122
Figure 116 Application Hold-Reject Button	122
Figure 117 Reason for Application Hold/Reject	123
Figure 118 Farmer Application Flow Chart	123
Figure 119 Details	124
Figure 120 Updated Farmer Share Received	125
Figure 121 Details	125
Figure 122 Details Dashboard	126
Figure 123 Assign EA to the Consumer/Farmer.	126
Figure 124 Updated Order Place to EA	127
Figure 125 Test Report	128
Figure 126 Asset Test Report	128
Figure 127 Add Asset Test Report	129
Figure 128 Set Report	132
Figure 129 Individual Report	133
Figure 130 Lot Management Option	134
Figure 131 Lot Creation Button	135
Figure 132 Lot Form	136
Figure 133 Select Input/CSV Dropdown	139
Figure 134 Entering Comma Separated Asset Serial Nos.	139
Figure 135 Serial No. CSV Format Button	139
Figure 136 Serial No CSV File	140
Figure 137 Filters to Fetch Out Consumer/Farmer’s Application Numbers	140
Figure 138 Add Asset box	141
Figure 139 Next Button	141
Figure 140 Pump Checklist	142
Figure 141 Solar Panel Checklist	143
Figure 142 Pump Controller Checklist	144
Figure 143 Structure Checklist	145
Figure 144 Checklist & Document Submit Button	145
Figure 145 Status Updated	146
Figure 146 Asset Mapping By EA Option	147
Figure 147 Asset Mapping in Bulk	148
Figure 149 Save as CSV (Comma Delimited)	148
Figure 150 Asset Mapping by EA Dashboard	149
Figure 151 Consumer Info Tab	150
Figure 152 Individual Asset Mapping	151
Figure 153 IMEI Replacement	151
Figure 154 I & C Photos	152
Figure 155 I&C Status box	153

Figure 156 Insurance Policy.....	153
Figure 157 Asset Details.....	154
Figure 158 Real-time Dashboard.....	155
Figure 159 View History.....	156
Figure 160 Asset Mapping By SNA Option	157
Figure 161 Asset Mapping by SNA Dashboard	158
Figure 162 Consumer info Tab.....	159
Figure 163 Site Inspection Checklist	161
Figure 164 Installation Report Upload Screen	161
Figure 165 Project Completion Report	168
Figure 166 Live Monitoring Dashboard Option.....	169
Figure 167 Live Monitoring Dashboard	170
Figure 169 Consumer Details (ii).....	171
Figure 170 Update RMS Latitude - Longitude	171
Figure 171 Invalid Parameters of Green Box of Live Monitoring Dashboard	174
Figure 172 Amritsar District Solar Pump Statistics	175
Figure 173 Broad View of Consumer/Farmer of Selected District	176
Figure 174 Consumer/Farmer Solar Pump Statistics	176
Figure 175 Real Time View of the Consumer/Farmer	177
Figure 176 State level performance analysis	179
Figure 177 District Statistics	181
Figure 178 Broad View of Consumer/Farmer of Selected District	182
Figure 179 Consumer/Farmer Solar Pump Statistics	183
Figure 180 Real Time View of the Consumer/Farmer	184
Figure 181 Consumer/Farmer Management Summary option selected on Consumer/Farmer Dashboard	185
Figure 182 EA selection option in ‘Select EA’ filter	188
Figure 183 Capacity options in ‘Select Capacity’ filter.....	188
Figure 184 Applied filter: Sri Savitir Solar Pvt Ltd (EA), AC-7.5HP, Submersible Pumps (Waterfilled Motors).....	189
Figure 185 Individual application stage.....	189
Figure 187 Show / Hide columns filter.....	190
Figure 188 Using the filter “Show / hide columns” to display only selected columns	190
Figure 189 Using “Search” filter to list down all entries for District = Amritsar.....	190
Figure 191 Consumer/Farmer Management Analysis option selected on Consumer/Farmer Dashboard.....	191
Figure 192 Consumer/Farmer Analysis Dashboard.....	191
Figure 193 Filter Applied: Application Received	192
Figure 194 Filter Applied: Feasible Application.....	193
Figure 195 Filter Applied: Application Received	193
Figure 196 Filter options for Analysis graphs.....	194
Figure 197 Consumer/Farmer Analysis - Pie Chart	194
Figure 198 Consumer/Farmer Analysis – Funnel chart.....	194
Figure 199 Filter Applied: Shakti Pumping	195
Figure 200 Consumer/Farmer Analysis - Filter options.....	195
Figure 201 Map View.....	196
Figure 202 Filter Applied: Installation & Commission, Tata Power Solar Systems Ltd	197
Figure 203 Consumer/Farmer Analysis statistics for district-wise location	198
Figure 204 MIS Reports	199
Figure 205 Yearly Progress Summary – Tabular view.....	200
Figure 206 Yearly Progress Summary – Chart view	201
Figure 207 District Progress Summary- tabular view.....	202
Figure 208 District Progress Summary – Chart view.....	202
Figure 209 Capacity wise Progress Summary – Tabular view	203

Figure 210 Capacity wise Progress Summary – chart view	204
Figure 211 Empanelled Agency Progress Summary – Tabular view	205
Figure 212 Empanelled Agency Progress Summary – Chart view	205
Figure 213 Gender Wise Report – Tabular View	206
Figure 214 Bulk Progress Mapping Dashboard	207
Figure 215 Site Survey Done CSV File Upload.....	208
Figure 217 Order to EA CSV File Upload.....	209
Figure 219 Farmer Share Received CSV File Upload	209
Figure 220 Site Survey Bulk Upload Format	210
Figure 221 Bulk Progress Update Form	210
Figure 222 PDF output.....	211
Figure 223 Excel/CSV output	211
Figure 225 Site Location Dashboard	212
Figure 226 Asset History	213
Figure 227 location history.....	214
Figure 228 Field Service Engineer Dashboard.....	214
Figure 229 EA Service Store Inspection.....	214
Figure 230 EA Store.....	215
Figure 231 Status Update pop-up box.....	216
Figure 232 Transfer pop-up box.....	216
Figure 233 Create pop-up box.....	216
Figure 234 SIA Lab.....	217
Figure 235 SIA Store	217
Figure 236 Asset dashboard filter – asset type	217
Figure 237 ASSET DASHBOARD FILTER – sub location	218
Figure 238 ASSET DASHBOARD FILTER – ASSET status.....	218
Figure 239 Asset Mapping By EA Option	219
Figure 240 Asset Mapping by EA Dashboard	219
Figure 241 IMEI Replacement Button	220
Figure 242 IMEI No. Replacement By Generating New IMEI No.....	220
Figure 243 IMEI No. Replacement from Registered IMEI Nos.	221
Figure 244 Logout.....	221
Figure 245 Home Selected.....	222
Figure 246 Sign out.....	222
Figure 247 Welcome Page of Site Survey Mobile Application	223
Figure 248 Sign In Box	224
Figure 249 Select Component and Application No.....	225
Figure 250 Consumer Site Survey Details.....	226
Figure 251 Key Points of Site Survey Details.....	228
Figure 252 Get Current Location Button	229
Figure 253 Latitude-Longitude	229
Figure 254 Logout Button.....	230
Figure 255 Device Registration.....	231
Figure 256 IMEI Bulk Upload	231
Figure 257 IMEI No. CSV Format.....	231
Figure 258 Upload IMEI No. CSV.....	232
Figure 259 Add New Device Registration Button.....	232
Figure 260 Add Device Registration	233

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
HO	Head Office

TABLE 2 URL LINKS

Module	URL link
PMKUSUM Web Application	Pmkusum.odisha.gov.in
PMKUSUM Web API	Pmkapiodisha.hkaql.in

TABLE 3 MINIMUM EQUIPMENT 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	27-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.

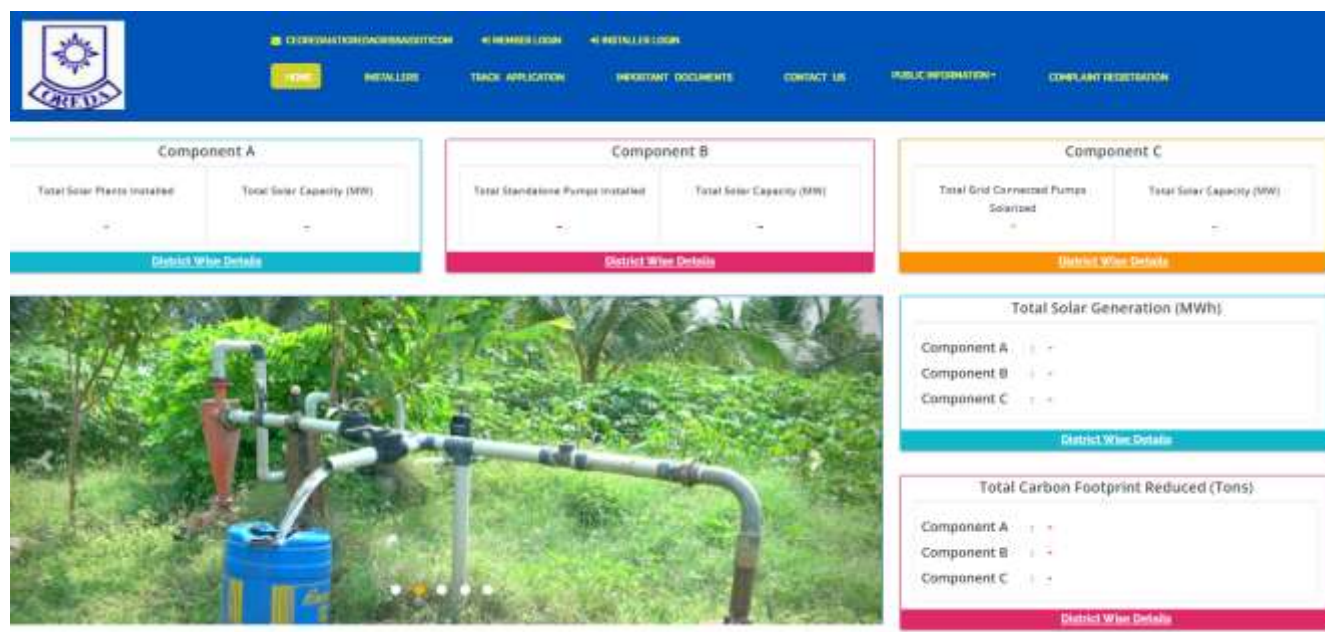


FIGURE 1 WELCOME PAGE

- 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?	+
9. 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 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)

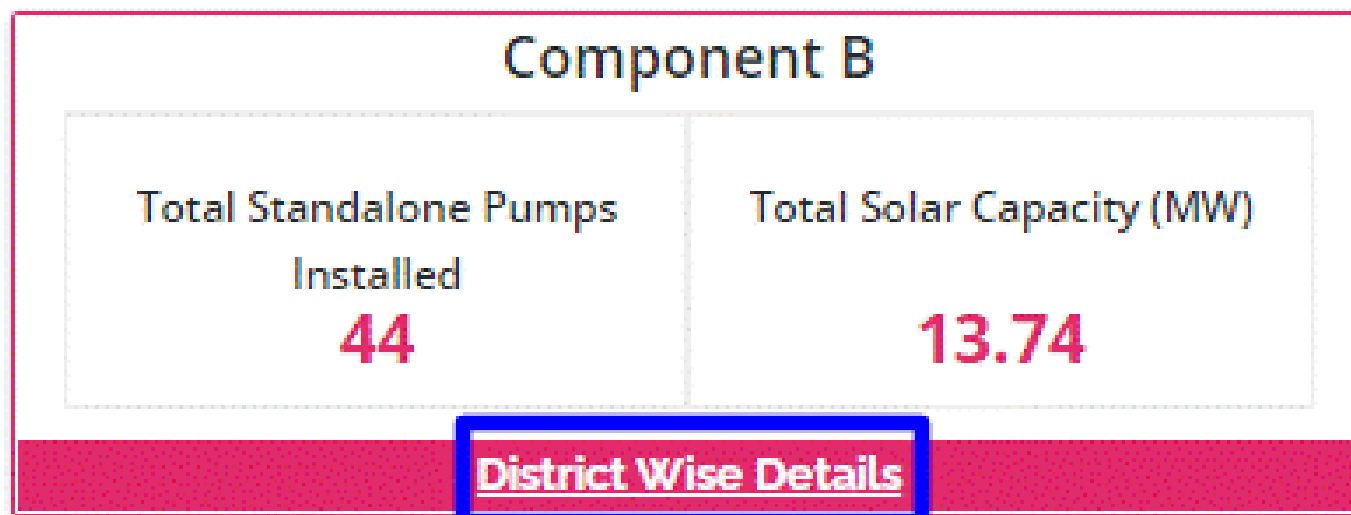


FIGURE 4 COMPONENT – B DISTRICT WISE DETAILS

Component B		
District	Total Standalone Pumps Installed	Total Solar Capacity (MW)

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)

Empanelled Agencies for Solar Pumps

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
1	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192012030	VTECH SUNSYSTEMS PVT. LTD.	Submersible Pumps (Water Filled Motors)	1HP DC, 2HP DC, 3HP DC,
			Surface Pumps	1HP DC, 2HP DC, 3HP DC,
2	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192012031	TATA POWER SOLAR SYSTEMS LIMITED	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
3	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192012032	VRG ENERGY INDIA PVT LTD	Submersible Pumps (Water Filled Motors)	2HP DC, 3HP DC, 3 HP DC USPC
			Surface Pumps	3HP DC, 3HP DC USPC
4	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	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192012034	ABHISHEK SOLAR INDUSTRIES PRIVATE LTD	Submersible Pumps (Water Filled Motors)	3HP DC
			Surface Pumps	-
6	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192012035	ISHAAN SOLAR POWER PRIVATE LIMITED	Submersible Pumps (Water Filled Motors)	-
			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)

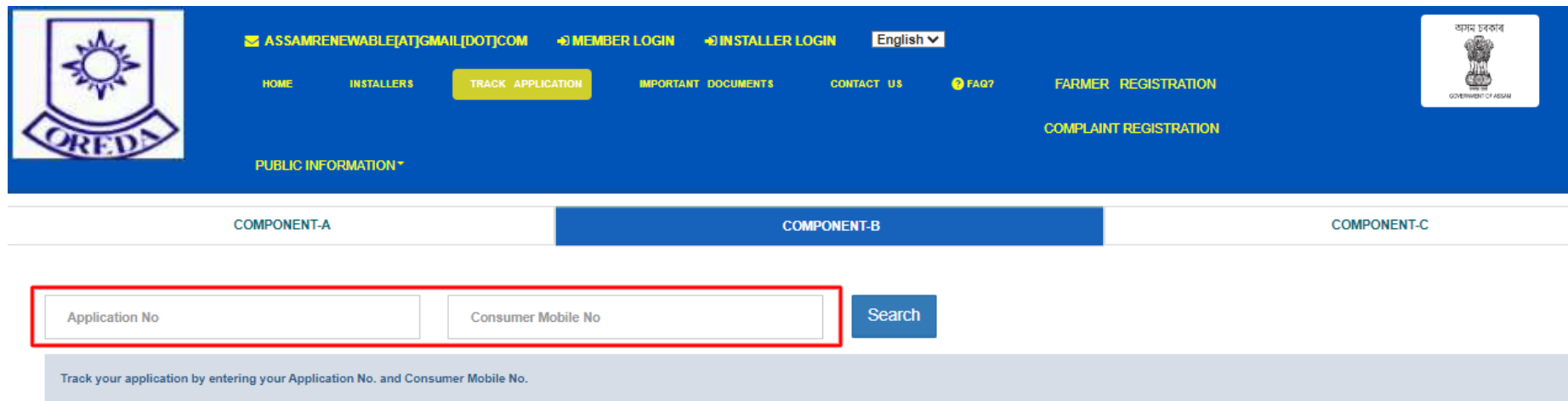


FIGURE 7 TRACK APPLICATION



FIGURE 8 APPLICATION ENTERED TO TRACK APPLICATION

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

Scheme Progress Of: 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.

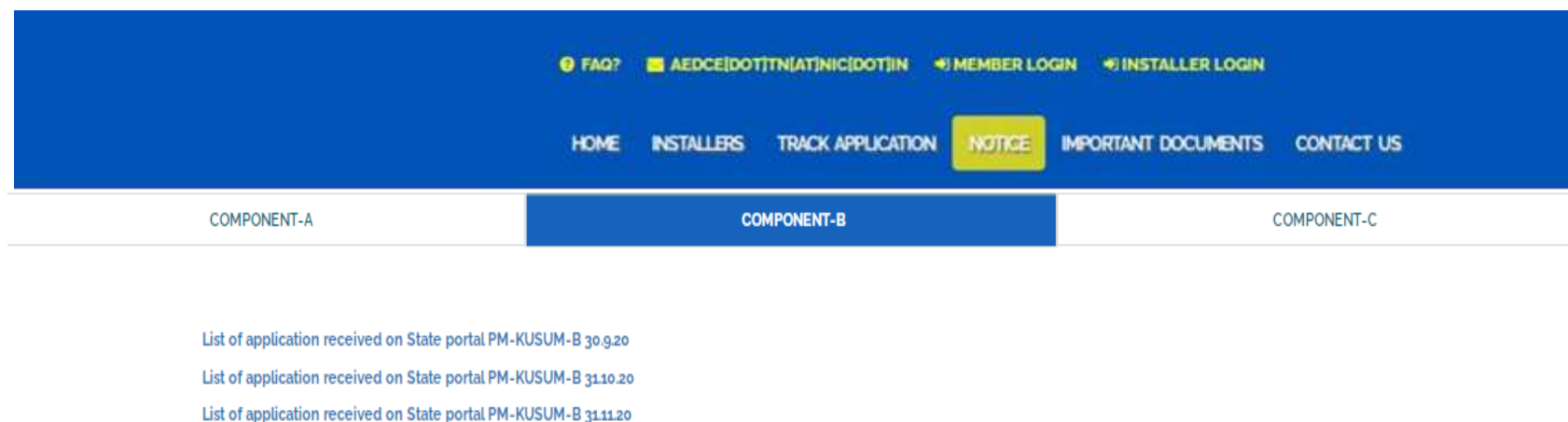


FIGURE 10 NOTICE

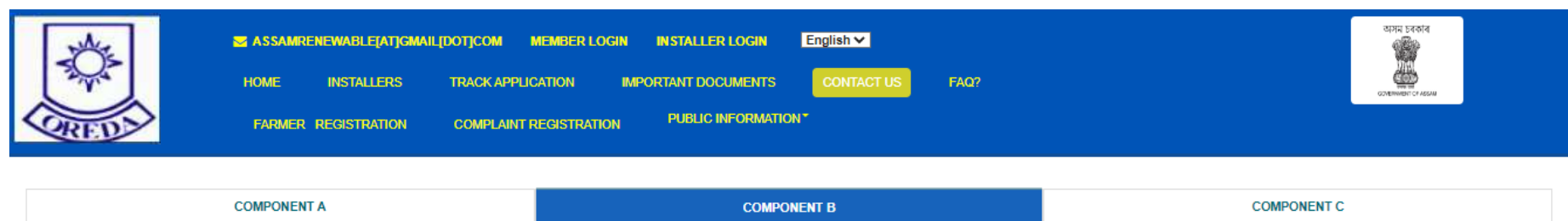
- **“IMPORTANT DOCUMENTS”** tab displays list of documents that are vital for the PM KUSUM scheme. (as shown in Figure 11)
 - Uploaded Documents can be taken out manually.



- Guidelines and Empanelled Vendor list can be obtained from the web link

FIGURE 11 IMPORTANT DOCUMENTS

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



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

Sr. No.	Name of District	Name of Nodal Officer	Designation	Contact Number	Email Address
1	All Districts of Assam	Hemanga Deka	Scientific Officer	9678685515	assamrenewable@gmail.com
		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	MEMBER LOGIN
District Officer	
Empanelled Agency	INSTALLER LOGIN

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

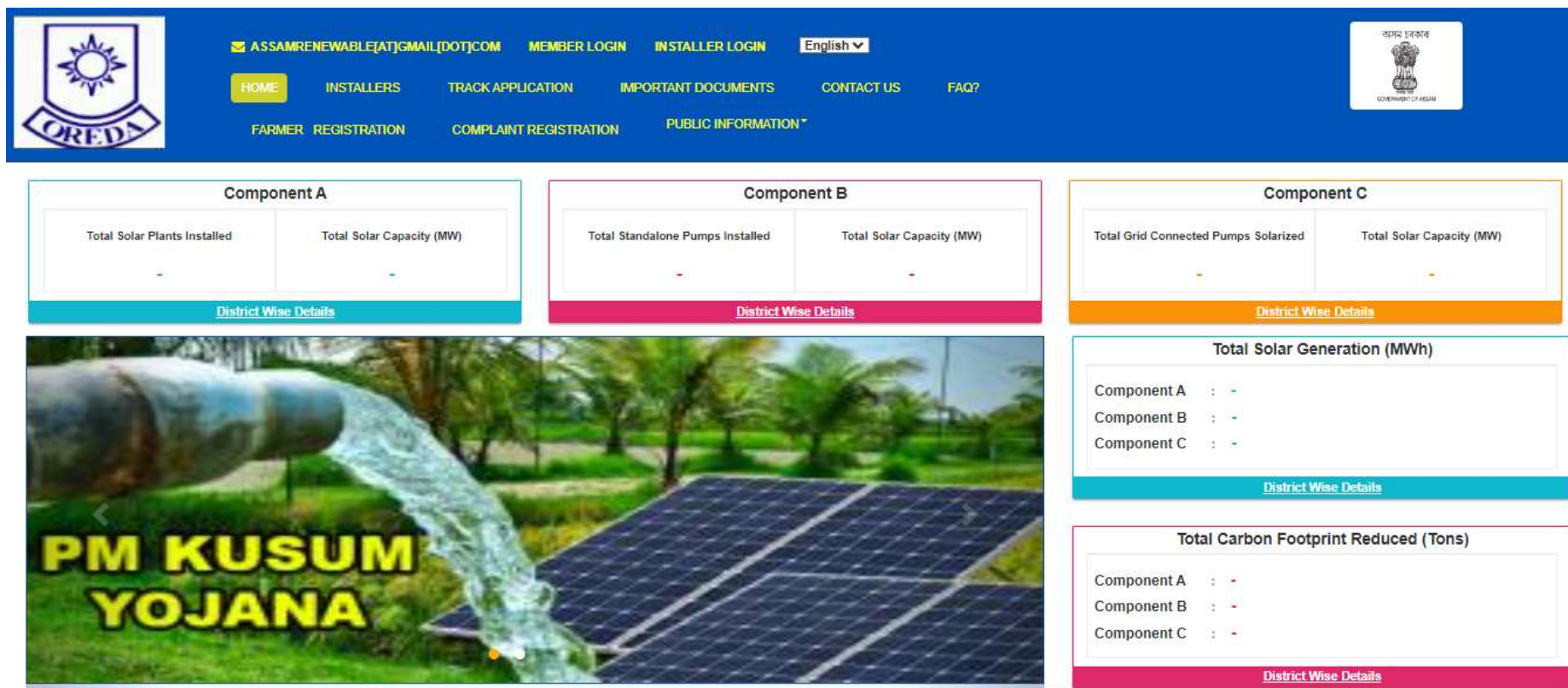
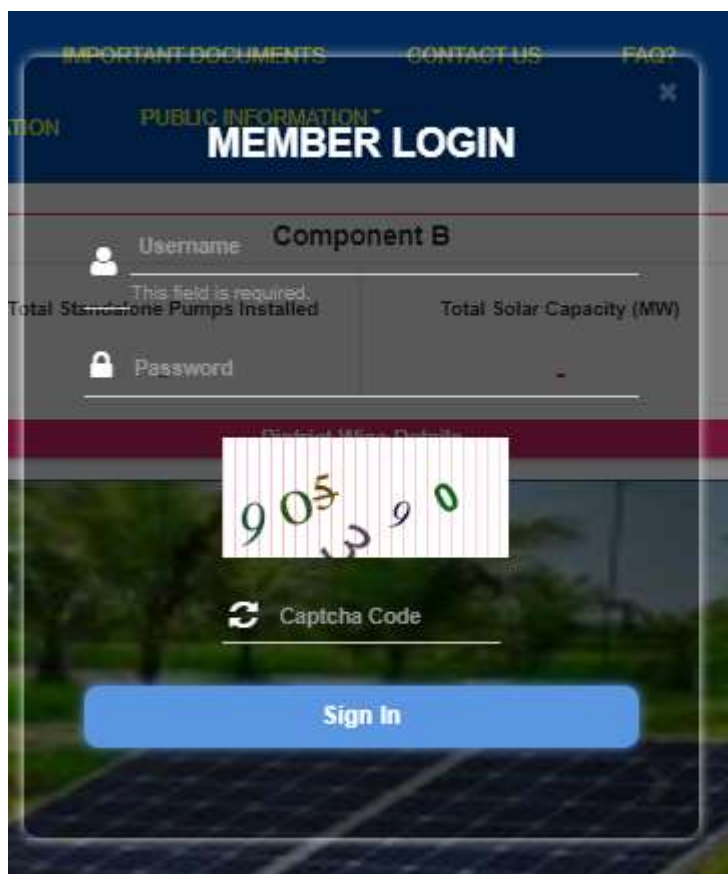


FIGURE 13 SIGN IN PAGE

- 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 [User Role](#) 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.

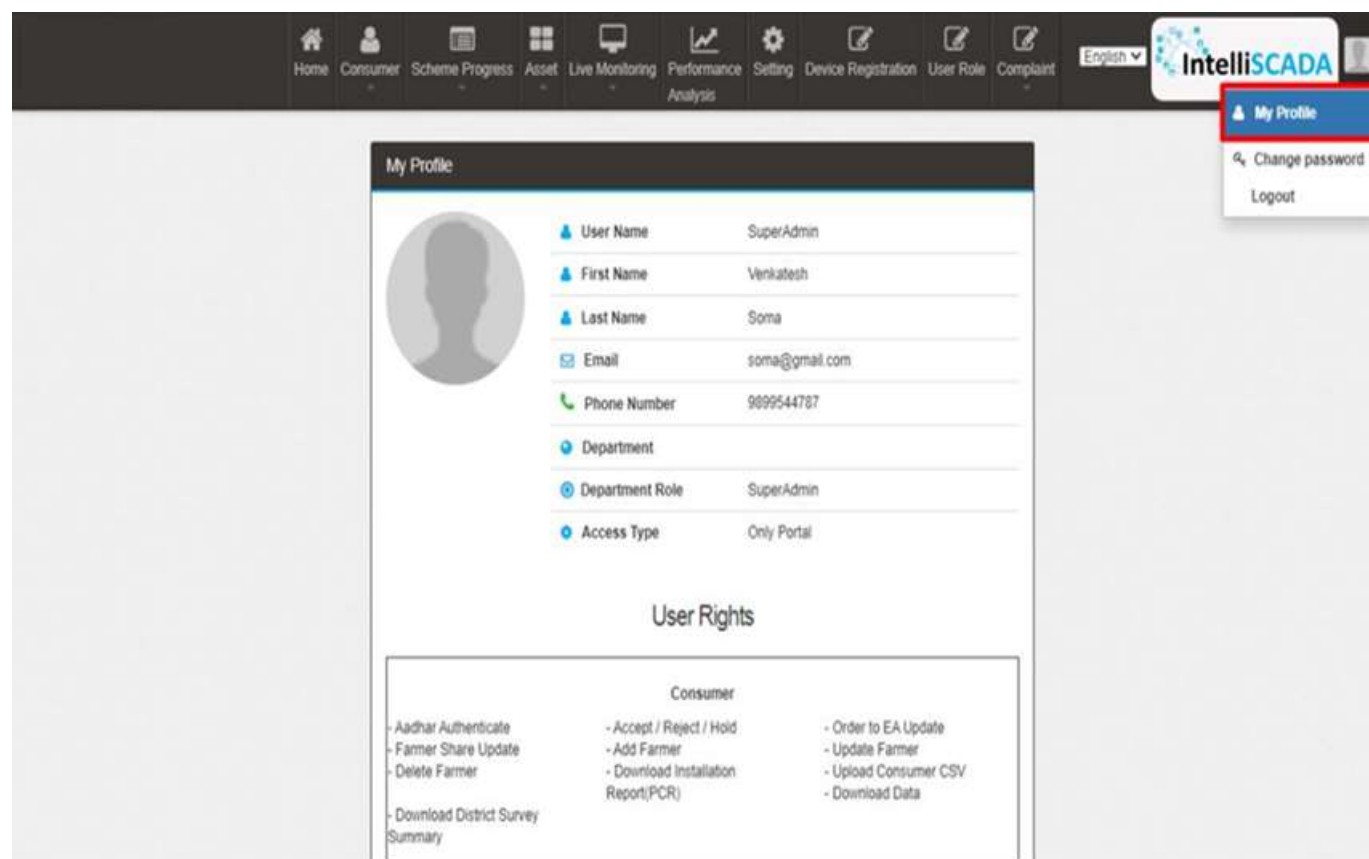
- Users having rights to access of related components (A, B, C) only will be allowed to navigate through.



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



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 SNA
- 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	- Empanelled Agency - EA Service Center - Product - PBG Status - Asset Status - Complaint SLA
Device Registration		
- Upload Device Registration	- Add New Device Registration	
Complaint		
- Dashboard Complaint - Complaint Acknowledged - Ticket Resolved	- Complaint Report - Ticket ReAssigned - Complaint Closed	- Add Complaint - Ticket ReAllocated - Generate Ticket

FIGURE 16 USER PROFILE INFORMATION BOX

- The following details are listed under 'My Profile' template card:
 - Username
 - First Name
 - Last Name
 - Email
 - Phone Number
 - Department
 - Department Role
 - Access Type
 - User Rights
- If the user wishes to change any details or sees a discrepancy in his details, he can contact the SEDM support team for required modifications.
- Ctrl + Click here  [“Support Team”](#) for Support Team Contact 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

The screenshot shows the 'Change Password' interface in the IntelliSCADA system. The form includes three text input fields: 'Enter Your Current Password', 'Enter Your New Password', and 'Confirm Your New Password'. The 'Enter Your New Password' field is currently empty and displays a list of validation errors in red text: 'X Must contain 1 or more lowercase Character', 'X Must contain 1 or more uppercase Character', 'X Must contain 1 number', 'X Must contain 1 Special Character', and 'X Must be 8 Character'. A blue 'Change Password' button is positioned at the bottom right of the form. The top navigation bar contains various system icons, and the IntelliSCADA logo is in the top right corner.

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

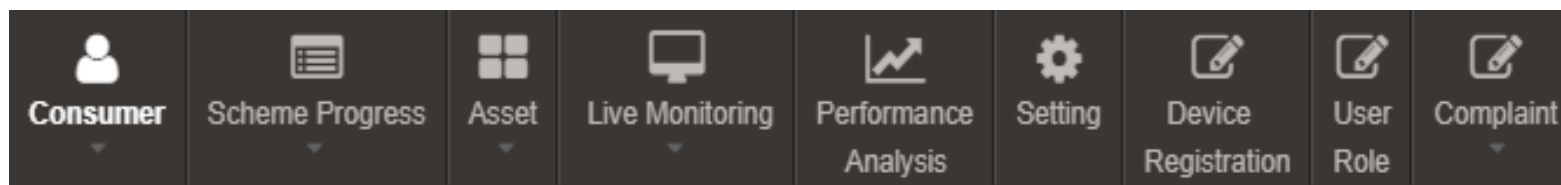


FIGURE 18 MODULES

- 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

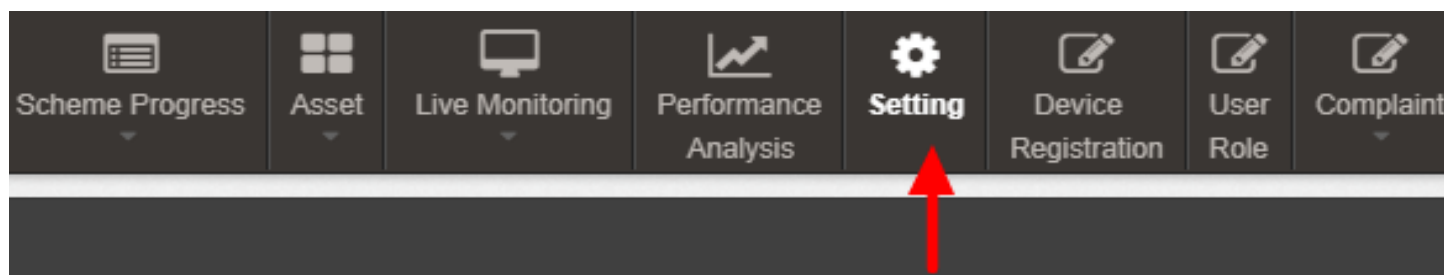


FIGURE 19 SETTING MODULE

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 (<https://pmkusum.mnre.gov.in>) 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

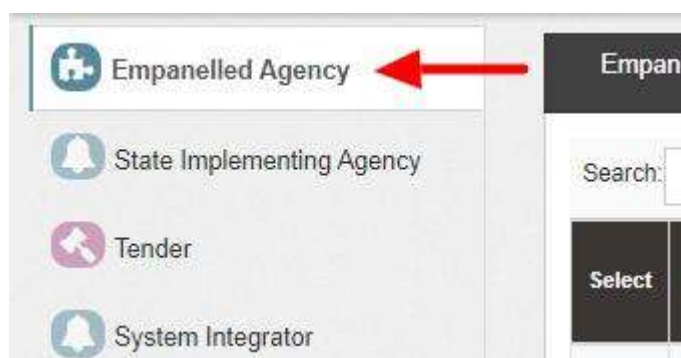


FIGURE 20 EMPANELLED AGENCY TAB

Select	Empanelled Agency Name	Address	City	State	District	Contact Person	Designation of Contact Person	E-mail ID	Phone	MSME	PAN No.	GST No.
<input type="checkbox"/>	CRI Pumps Private Limited	odisha	anugul	ODISHA	ANUGUL	manager	manager	odisha12[at]gmail[dot]com	8875754849	No	5454648745	856454848949494
<input type="checkbox"/>	M/s Solex Energy Ltd	161, AL, BHIMATANGI H.B COLONY, PHASE 1 LINE 1	Khorda	ODISHA	ANUGUL	Sachin Mulayy	EA	sachinmulay[at]gmail[dot]com	8200244707	No	AAVCS0328R	21AAVCS0328R12T
<input type="checkbox"/>	M/S VRG ENERGY	weghh	rtew	ODISHA	BALANGIR	fsegas	erytw	kjehf[at]gg[dot]ef	8654545466	No	ASF3544GF5	FDTH465Y54HHHH
<input type="checkbox"/>	Solex Energy Limited	161, AL, BHIMATANGI H.B COLONY, PHASE 1 LINE 1	Khorda	ODISHA	KHORDHA	Sachin Mulayy	EA	sachinmulay[at]gmail[dot]com	8200244707	No	AAVCS0328R	21AAVCS0328R12T
<input type="checkbox"/>	Tata Power Solar Systems Limited	1st Floor, B12- 13 Shatabdi Bhavan, Sector 4	Noida	UTTAR PRADESH	GAUTAM BUDDHA NAGAR	Mr.Arpit Srivastava	Business Head- BD	arpit[dot]srivastava[at]tatapower[dot]com	8826011966	No	AAACT4660J	24AAACT4660J12C

FIGURE 21 EMPANELLED AGENCY TAB DASHBOARD

Table 4 EMPANELLED AGENCY DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	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
---------------	--	-------	--------	--

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Select	Empanelled Agency Name	Address	City	State	District	Contact Person	Designation	E-mail ID	Phone	MSME	PAN No.	GST No.	Date of Agreement	Date of Submission of CPG	Remarks	Is Agency	National Sync Date	
	CRI Pump	odisha	anugul	ODISHA	ANUGUL	manager	manager	odisha12[8.88E+09	No	5.45E+09	8.56E+14	2022-11-01	2022-11-01	test	Yes	#####	
	M/s Solex	161, AL, Bi	Khorda	ODISHA	ANUGUL	Sachin Mu	EA	sachinmul	8.2E+09	No	AAVCS032	21AAVCS	2022-11-01	2022-11-08	T00:00:00	Yes	#####	
	M/S VRG E	weghh	rtew	ODISHA	BALANGIR	fseges	erytw	kjehf[at]g	8.65E+09	No	ASF3544G	FDT465Y	2022-11-11	2022-11-15	T00:00:00	Yes	#####	
	Solex Ene	161, AL, Bi	Khorda	ODISHA	KHORDHA	Sachin Mu	EA	sachinmul	8.2E+09	No	AAVCS032	21AAVCS	2020-09-01	2021-03-01	T00:00:00	Yes	#####	
	Tata Powe	1st Floor,	Noida	UTTAR PR.	GAUTAM	Mr.Arpit S	Business	arpit[dot]	8.83E+09	No	AAACT466	24AAACT4	2020-08-11	2020-08-11	Remarks	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)

+ Add New Empanelled Agency x

Empanelled Agency Information

Empanelled Agency Name *

State *

District *

City *

Address *

Contact Person *

Designation of Contact Person *

Phone *

PAN No. *

GST No. *

Email Id

Date of Agreement *

Date of Submission of CPG *

Remarks

Off Grid Solar Pump

FIGURE 23 NEW EMPANELLED AGENCY DETAILS

Table 5 EMPANELLED AGENCY REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description	Validations
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 - ODISHA	✓	GUJRAT	Selection of relevant state.	-
District	Drop Down	- ANUGUL - BALANGIR - BALESHWAR - BARGARH - BHADRAK - MSME - BOUDH - CUTTACK - DECGARH	✓	DECGARH	Select district according to the selected State.	-
City	Text	-	✓	DECGARH	-	-
Address	Text	-	✓	No. 43/44, Hosur Road, Electronic City Phase 2	-	-
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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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.com	Email Id of Empanelled agency	<p>It must contain :</p> <ul style="list-style-type: none"> - 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)

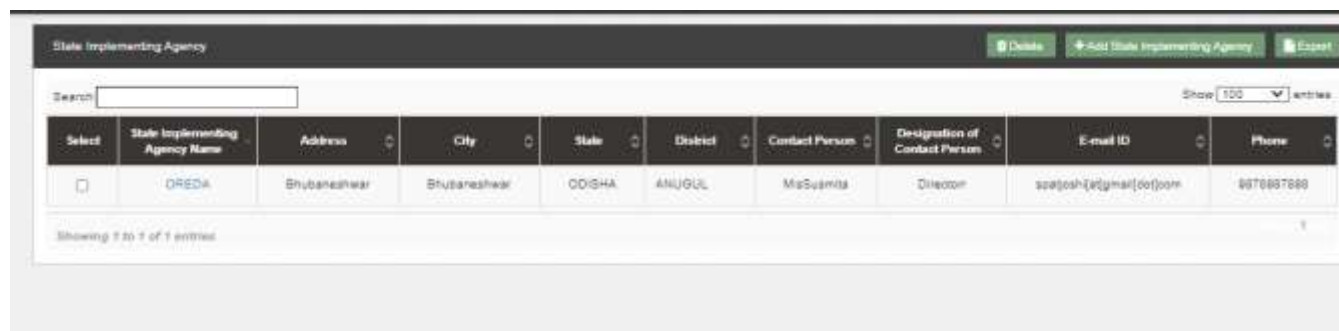
- Super Admin can register New State Implementing Agency by clicking on “State Implementing Agency” tab as pointed in below Figure 24.
- State Implementing Agencies registered with National SEDM platform (<https://pmkusum.mnre.gov.in>)
- Contact [Support team](#) to get in touch with MNRE.

➤ Navigation Step :-

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



FIGURE 24 STATE IMPLEMENTING AGENCY TAB

A screenshot of the 'State Implementing Agency' dashboard. At the top, there are buttons for 'Delete', '+Add State Implementing Agency', and 'Export'. Below these is a search bar and a 'Show 100 entries' dropdown. The main content is a table with the following data:

Select	State Implementing Agency Name	Address	City	State	District	Contact Person	Designation of Contact Person	E-mail ID	Phone
<input type="checkbox"/>	DREDA	Bhubaneswar	Bhubaneswar	ODISHA	ANUGUL	MsSunita	Director	spajosh[at]gmail[dot]com	997887689

At the bottom of the table, it says 'Showing 1 to 1 of 1 entries'.

FIGURE 25 STATE IMPLEMENTING AGENCY TAB DASHBOARD

Table 6 STATE IMPLEMENTING AGENCY DASHBOARD DESCRIPTION

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

	A	B	C	D	E	F	G	H	I	J	K	L
1	Select	State Imp	Address	City	State	District	Contact Pe	Designatio	E-mail ID	Phone		
2		OREDA	Bhubanes	Bhubanes	ODISHA	ANUGUL	MisSusmi	Directorr	spatjoshi[9.88E+09		
3												
4												
-												

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 *
Please Select

Address *
Address

City *
City

State *
-

District *
-

Contact Person *
Contact Person

Designation of Contact Person *
Designation of Contact Person

Email Id *
Email Id

Phone *
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

Table 7 STATE IMPLEMENTING AGENCY REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description	Validations
State Implementing Agency Name	Drop Down	- STATE - TEST AI - CREDA - DNRE - HIMURJA - JREDA - GUVNL - KREDL - MPUVNL - MEDA - MREDA - MNREDA - IWRD - OREDA	✓	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 - ODISHA - NAGALAND	✓	✓ ODISHA	Selection of relevant state.	-
District	Drop Down	- District-1 - District-2 - District-3	✓	District-3	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 “@” - Domain name (gmail , gov , yahoo)

						- A period (.) - Sub domain name (co.in , com , org)
Phone	Numerical	-	✓	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.

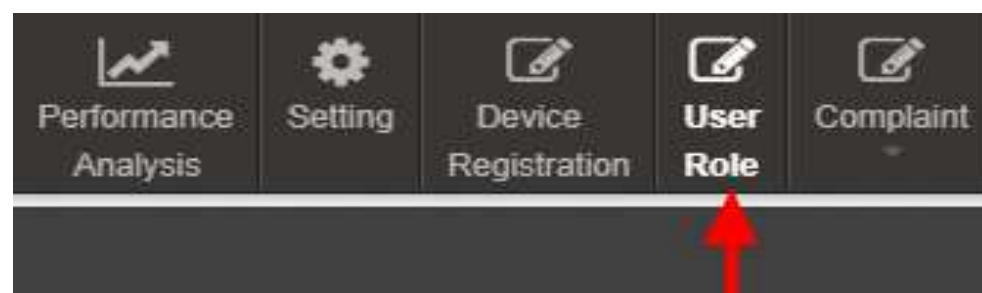
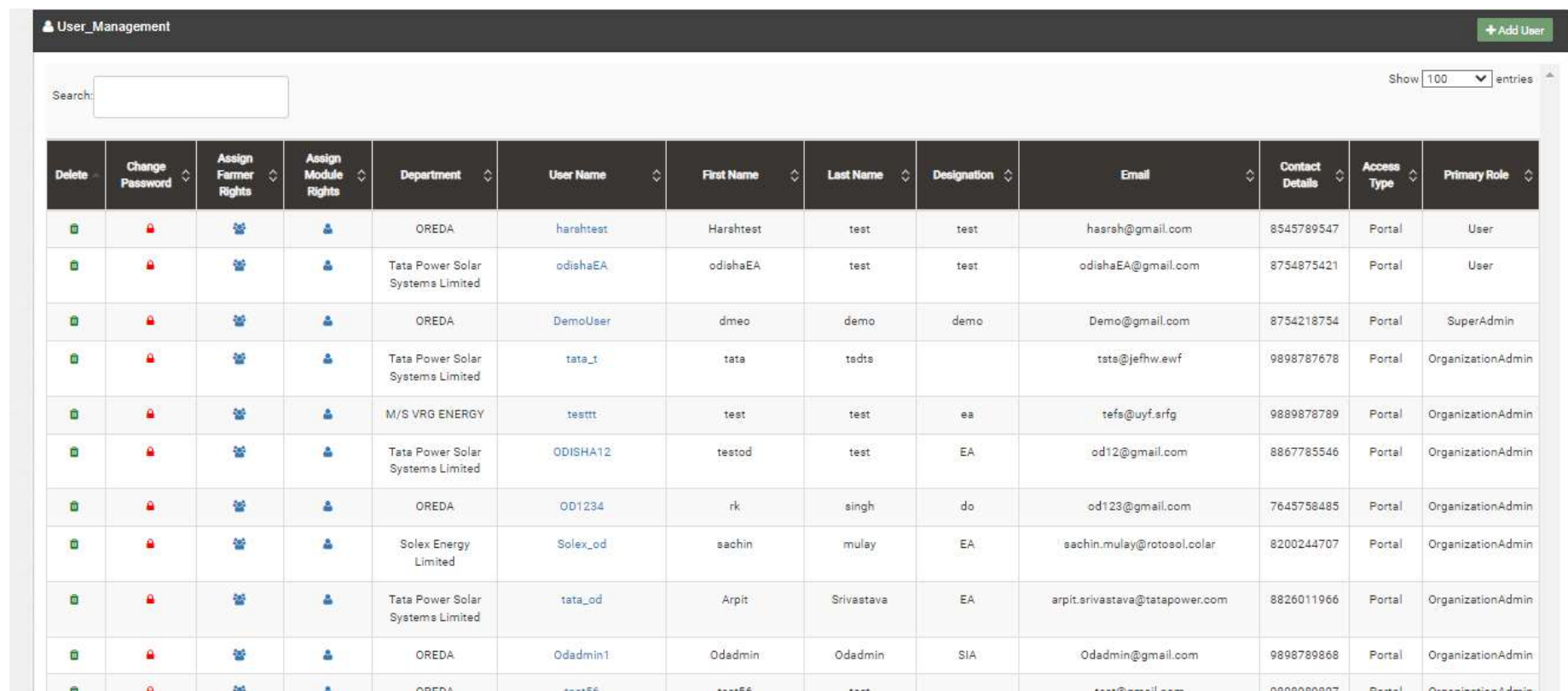


FIGURE 28 USER ROLE MODULE

10.1 REGISTER NEW USER

❖ Register New User

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



The screenshot shows the 'User_Management' dashboard. At the top right, there is a green '+ Add User' button. Below it is a search bar and a 'Show 100 entries' dropdown. The main part of the dashboard is a table with the following columns: Delete, Change Password, Assign Farmer Rights, Assign Module Rights, Department, User Name, First Name, Last Name, Designation, Email, Contact Details, Access Type, and Primary Role. The table contains 12 rows of user data.

Delete	Change Password	Assign Farmer Rights	Assign Module Rights	Department	User Name	First Name	Last Name	Designation	Email	Contact Details	Access Type	Primary Role
				OREDA	harshtest	Harshtest	test	test	harsrh@gmail.com	8545789547	Portal	User
				Tata Power Solar Systems Limited	odishaEA	odishaEA	test	test	odishaEA@gmail.com	8754875421	Portal	User
				OREDA	DemoUser	dmeo	demo	demo	Demo@gmail.com	8754218754	Portal	SuperAdmin
				Tata Power Solar Systems Limited	tata_1	tata	tsdts		tsts@jefhw.ewf	9898787678	Portal	OrganizationAdmin
				M/S VRG ENERGY	testtt	test	test	ea	tefs@uyf.srfg	9889878789	Portal	OrganizationAdmin
				Tata Power Solar Systems Limited	ODISHA12	testod	test	EA	od12@gmail.com	8867785546	Portal	OrganizationAdmin
				OREDA	OD1234	rk	singh	do	od123@gmail.com	7645758485	Portal	OrganizationAdmin
				Solex Energy Limited	Solex_od	sachin	mulay	EA	sachin.mulay@rotosol.colar	8200244707	Portal	OrganizationAdmin
				Tata Power Solar Systems Limited	tata_od	Arpit	Srivastava	EA	arpit.srivastava@tatapower.com	8826011966	Portal	OrganizationAdmin
				OREDA	Odadmin1	Odadmin	Odadmin	SIA	Odadmin@gmail.com	9898789868	Portal	OrganizationAdmin
				ORFDA	test56	test56	test		test@nmail.com	9898989897	Portal	OrganizationAdmin

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
<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>	<input type="text" value="Designation"/>
User name *	Email *	Phone No *
<input type="text" value="User name"/>	<input type="text" value="Email"/>	<input type="text" value="Phone No"/>
Password *	Confirm Password*	<input type="checkbox"/> Detail Show's in Contact Us
<input type="password"/>	<input type="password"/>	
Department Type *	Department *	Access Type *
<input type="text" value="Please Select"/>	<input type="text"/>	<input type="text" value="Please Select Access Type"/>
SEDM Role(s) *	Project / Component	
<input type="text" value="Please Select"/>	<input type="text" value="Please Select Componet"/>	

Module Wise Rights ^ v

Consumer ^ v

- Aadhar Authenticate
- Order to EA Update
- Add Farmer
- Delete Farmer
- Upload Consumer CSV
- Download District Survey Summary
- Accept / Reject / Hold
- Farmer Share Update
- Update Farmer
- Download Installation Report(PCR)
- Download Data

Scheme Progress ^ v

- Farmer Share Update By CSV
- Order to EA Update By CSV
- Scheme Progress Details Update
- Site Survey Update By CSV
- Bulk Progress Update

Site Survey ^ v

- Add Site Survey

Asset ^ v

- 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
- Update Test Report
- Create Lot
- Update Checklist & Document Submit
- Update Pre Dispatch Inspection
- Asset And IMEI Bulk Mapping
- IMEI Mapping
- Installation Verification by SNA
- Insurance Update & Upload
- Delete Lot

Live Monitoring ^ v

- Dashboard
- Consumer Monitoring

Performance Analysis ^ v

- Performance Analysis View

The screenshot displays the 'Add User Form' interface, organized into three main sections: 'Setting', 'Device Registration', and 'Complaint'. Each section is represented by a dark green header bar with a dropdown arrow on the right. Below each header is a list of items, each preceded by a checked checkbox.

- Setting**
 - Tender
 - Empanelled Agency
 - EA Rate Card
 - EA Store Sub Location
 - Product
 - Tender CheckList Detail
 - Insurance Details
 - Asset Status
 - Site Inspection Details
 - State Implementing Agency
 - System Integrator
 - EA Service Center
 - Manufacturer
 - Tender Checklist
 - PBG Status
 - Asset Type
 - Audit
 - Complaint SLA
- Device Registration**
 - Upload Device Registration
 - Add New Device Registration
- Complaint**
 - Dashboard Complaint
 - Add Complaint
 - Ticket ReAssigned
 - Ticket Resolved
 - Generate Ticket
 - Complaint Report
 - Complaint Acknowledged
 - Ticket ReAllocated
 - Complaint Closed

FIGURE 30 ADD USER FORM

❖ User Information

FIGURE 31 USER INFORMATION

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)

						<ul style="list-style-type: none"> - 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	-	<ul style="list-style-type: none"> - 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	-	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - STATE - GUJARAT - ODISHA - TRIPURA 	✓	STATE	Selection of relevant state. This shall be loaded on the basis of Layer.	-
District	Drop Down	<ul style="list-style-type: none"> - ANUGUL - BALANGIR - BALESHWA - BARGARH - BHADRAK - MSME - BOUDH - CUTTACK 	✓	CUTTACK	Select district according to the selected State. This shall be loaded on the basis of Layer.	-
Project / Component	Drop Down	<ul style="list-style-type: none"> - Distributed Solar PV – A - Off Grid Solar Pump – B - Grid Connected Solar Pump –C 	✓	Off Grid Solar Pump – B	Selection of PM-KUSUM Scheme Component	-

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.	<ul style="list-style-type: none"> - STATE IMPLEMENTING AGENCY - OREDA 	By selecting SIA will provide SIA list to process further as shown in Department Drop Down.

<ul style="list-style-type: none"> - State Implementing Agency - Empanelled Agency - System Integrator 	Empanelled Agency	Selecting this option indicates that the new user will belong from the Empanelled Agency department type.	<ul style="list-style-type: none"> - 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.	<ul style="list-style-type: none"> - 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
<ul style="list-style-type: none"> - Only Configuration - Only Portal - Only Mobile Application 	Only Configuration	This option gives writes to user to access configuration.
	Only Portal	This option gives writes to user to access Portal.
	Only Mobile Application	This option gives writes to user to access Mobile Application

Table 10 USER ROLE DROPDOWN

User Role Drop Down	Role	Access	User Creation	Specifications
<ul style="list-style-type: none"> - Super Admin - Organization Admin - User 	Super Admin	This user has access of every module of State SEDM Platform.	This user can create “Organization Admin” & “User” and also can provide access to any of all modules.	<p>This user can only register Tender, State Implementing Agency (SIA) and Empanelled Agency (EA).</p> <p>This user can create other Super Admin of SIA only and not of EA.</p>
	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

The screenshot displays a web interface for 'Module Wise Rights'. At the top, there is a dark green header with the text 'Module Wise Rights' and a dropdown arrow. Below this, another dark green header is labeled 'Consumer' with a dropdown arrow. The main content area lists various permissions, each preceded by a blue checkmark. The permissions are arranged in two columns:

- Aadhar Authenticate
- Order to EA Update
- Add Farmer
- Delete Farmer
- Upload Consumer CSV
- Download District Survey Summary
- Accept / Reject / Hold
- Farmer Share Update
- Update Farmer
- Download Installation Report(PCR)
- Download Data

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

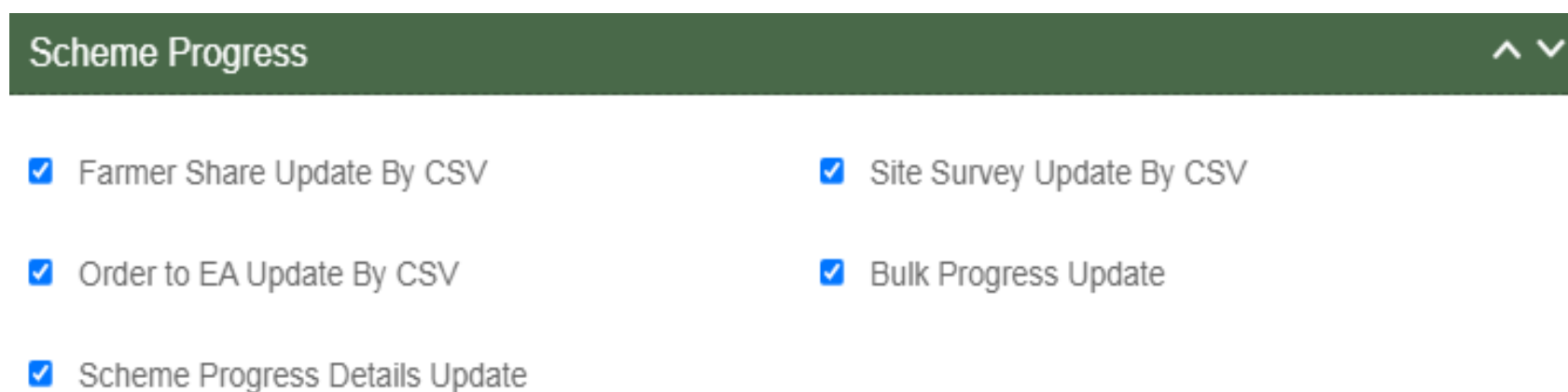


FIGURE 34 SCHEME PROGRESS FUNCTIONALITY

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

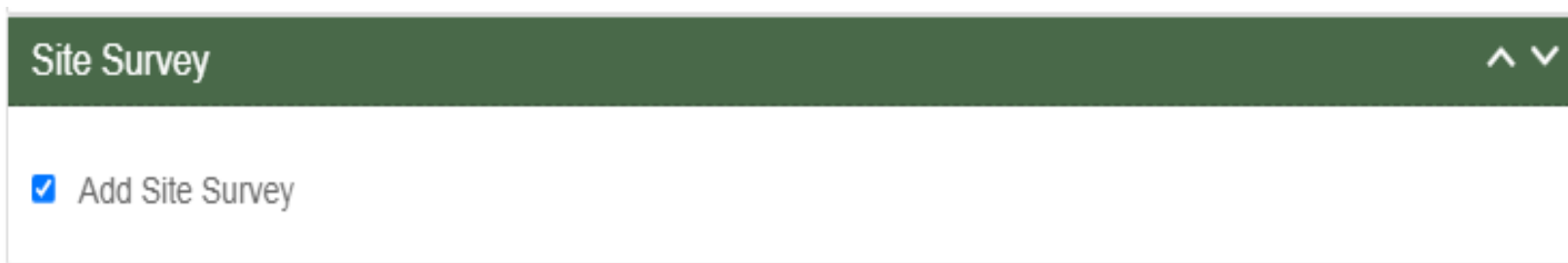


FIGURE 35 SITE SURVEY FUNCTIONALITY

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

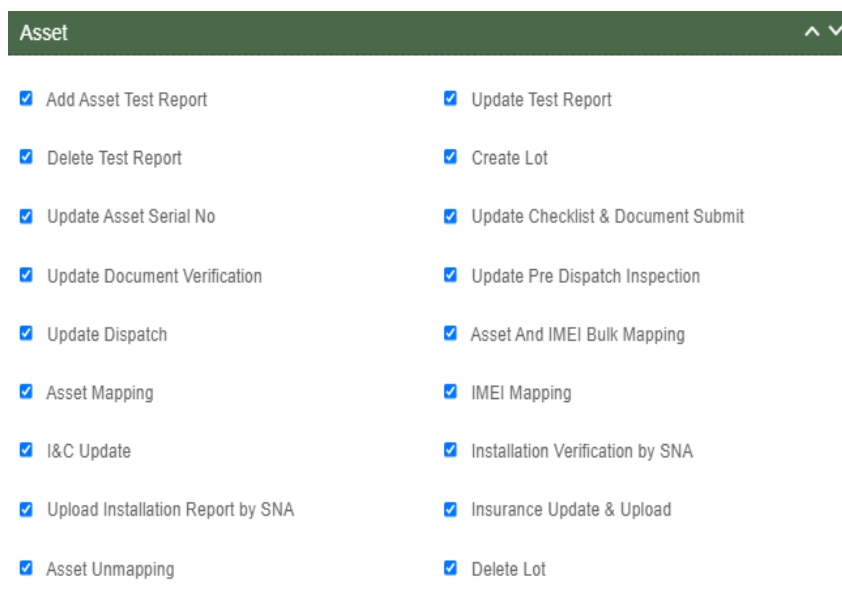


FIGURE 36 ASSET FUNCTIONALITY

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

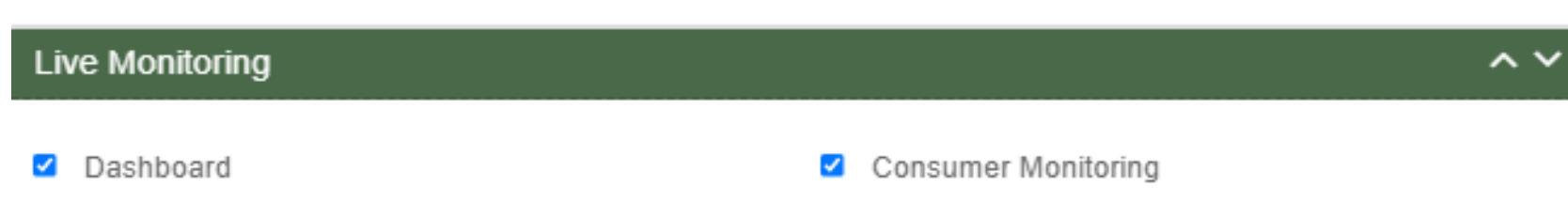


FIGURE 37 LIVE MONITORING FUNCTIONALITY

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



FIGURE 38 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**

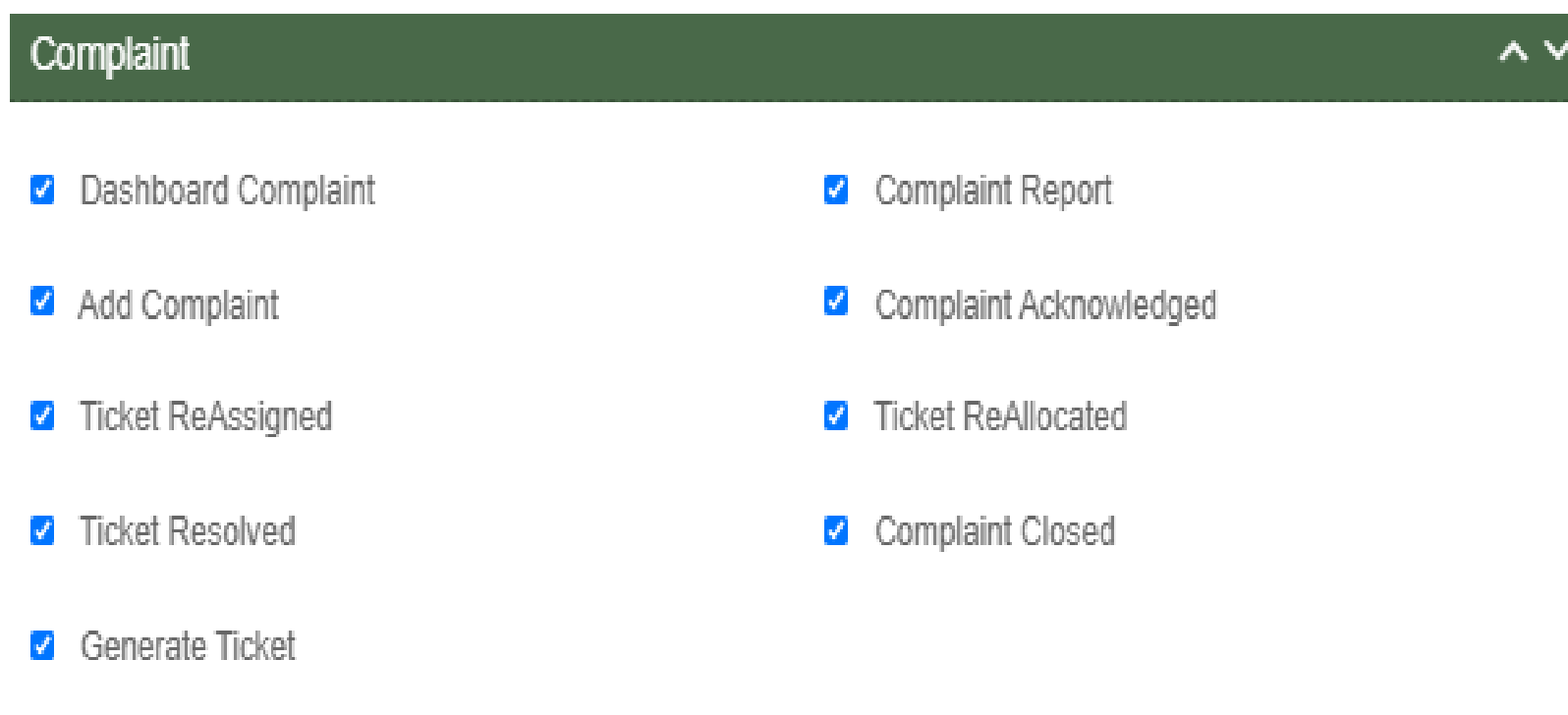


FIGURE 39 COMPLAINT SUB MODULES

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)

Delete	Change Password	Assign Farmer Rights	Assign Module Rights	Department	User Name	First Name	Last Name	Designation	Email	Contact Details	Access Type	Primary Role
				OREDA	harshtest	Harshtest	test	test	harsrh@gmail.com	8545789547	Portal	User
				Tata Power Solar Systems Limited	odishaEA	odishaEA	test	test	odishaEA@gmail.com	8754875421	Portal	User
				OREDA	DemoUser	dmeo	demo	demo	Demo@gmail.com	8754218754	Portal	SuperAdmin
				Tata Power Solar Systems Limited	tata_t	tata	tsdts		tsta@jefhw.ewf	9898787678	Portal	OrganizationAdmin
				M/S VRG ENERGY	testtt	test	test	ea	tefs@uyf.srfg	9889878789	Portal	OrganizationAdmin
				Tata Power Solar Systems Limited	ODISHA12	testod	test	EA	od12@gmail.com	8867785546	Portal	OrganizationAdmin
				OREDA	OD1234	rk	singh	do	od123@gmail.com	7645758485	Portal	OrganizationAdmin
				Solex Energy Limited	Solex_od	sachin	mulay	EA	sachin.mulay@rotosol.colar	8200244707	Portal	OrganizationAdmin
				Tata Power Solar Systems Limited	tata_od	Arpit	Srivastava	EA	arpit.srivastava@tatapower.com	8826011966	Portal	OrganizationAdmin
				OREDA	Odadmin1	Odadmin	Odadmin	SIA	Odadmin@gmail.com	9898789868	Portal	OrganizationAdmin
				OREDA	test56	test56	test		test@gmail.com	9898989897	Portal	OrganizationAdmin

FIGURE 40 USER ROLE DASHBOARD

Table 18 USER ROLE DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search User	Blue	Text Box	Enter input to explore User details
Add User	Create New User	Red	Button	Create New User by clicking on Add User button
Delete Icon	Delete User	Yellow	Icon Button	Click on delete green icon button to Delete User details
Change Password Icon	Change Password	Purple	Icon Button	Click Change password red icon to change password
Assign Farmer Rights	Farmer wise Access	Black	Icon Button	This functionality will provide access to the user to view the data of RMS system of allowed/mapped farmers
Assign Module Rights	Edit Module Rights	Green	Icon Button	Using this option organization admin can modify User Rights.

➤ **Change Password**

Change Password

New Password

Confirm password

Please Enter your Password.

- ✗ 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 8 Character

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

ALL ▼

Select EA

Tata Power Solar Systems Limited ▼

Select Capacity

ALL ▼

Go

Non-selected Applications

Showing all 9

↔↔ (Move All)
→ (Move Selected)

Baldev Singh

Gurmeet Singh

Jasprit Singh

Virat Singh

Navjot Singh

Dalbir Singh

Manpreet bumrah

Sanjana bumrah

hp bumrah

Selected Applications

Empty list

← (Remove Selected)
←← (Remove All)

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)

Asset ^ v

- 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
- Update Test Report
- Create Lot
- Update Checklist & Document Submit
- Update Pre Dispatch Inspection
- Asset And IMEI Bulk Mapping
- IMEI Mapping
- Installation Verification by SNA
- Insurance Update & Upload
- Delete Lot

Live Monitoring ^ v

- Dashboard
- Consumer Monitoring

Performance Analysis ^ v

- Performance Analysis View

The screenshot displays a user role configuration interface with three main sections, each with a dark green header and expandable/collapsible arrows on the right. Each module in the list is preceded by a checked checkbox.

- Setting**
 - Tender
 - Empanelled Agency
 - EA Rate Card
 - EA Store Sub Location
 - Product
 - Tender CheckList Detail
 - Insurance Details
 - Asset Status
 - Site Inspection Details
 - State Implementing Agency
 - System Integrator
 - EA Service Center
 - Manufacturer
 - Tender Checklist
 - PBG Status
 - Asset Type
 - Audit
 - Complaint SLA
- Device Registration**
 - Upload Device Registration
 - Add New Device Registration
- Complaint**
 - Dashboard Complaint
 - Add Complaint
 - Ticket ReAssigned
 - Ticket Resolved
 - Generate Ticket
 - Complaint Report
 - Complaint Acknowledged
 - Ticket ReAllocated
 - Complaint Closed

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

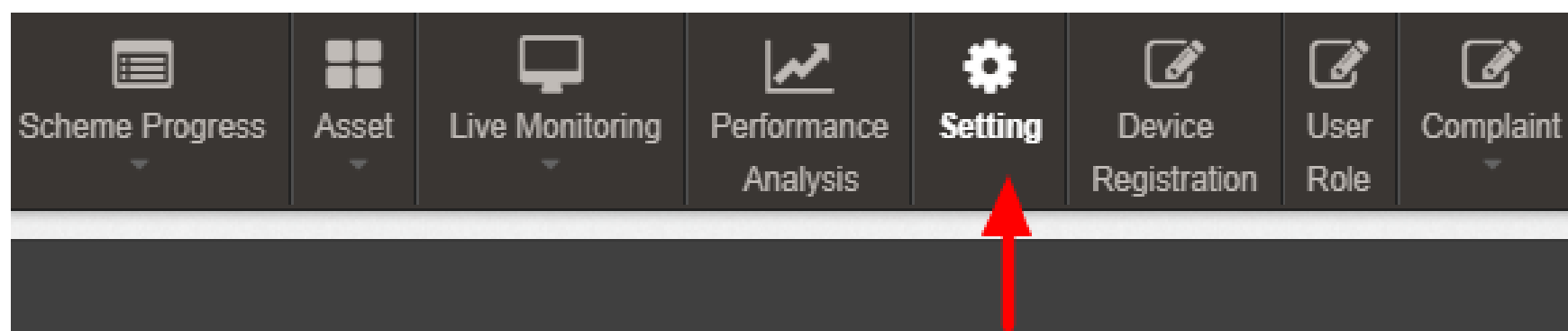


FIGURE 44 SETTING MODULE

11.1. REGISTRATION OF TENDER

❖ Registering New Tender

- 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



FIGURE 45 TENDER TAB

The screenshot shows a web interface titled "Tender List". At the top right, there are three buttons: "Delete" (green), "+ Add Tender" (green), and "Export" (green). Below the buttons is a search bar with the text "Search:" and a dropdown menu set to "Show 100 entries". The main content is a table with the following columns: "Select", "Tender No", "Tender Name", "Sanction", "Tender Publishing Agency", "Tender Qty", "Tender MW Size", "Component", and "Tender Publish Date". There are three rows of data, each with a checkbox in the "Select" column. The first row has a tender number "EESL Tender No. EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192007012", name "Off Grid Solar Pump", sanction "EESL", agency "2500", quantity "10", MW size "Off Grid Solar Pump", component "02-11-2022 00:00:00", and publish date. The second row has a tender number "EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/OffGrid/192012030", name "Off Grid Solar Pump of 10 HP", sanction "EESL", agency "23750", quantity "100", MW size "Off Grid Solar Pump", component "20-12-2019 00:00:00", and publish date. The third row has a tender number "EESL/06/2019-20/KUSUM/SWPS/Phase-1/OffGrid//192007012", name "Off Grid Solar Pump", sanction "EESL", agency "2500", quantity "10", MW size "Off Grid Solar Pump", component "21-08-2019 00:00:00", and publish date. At the bottom left, it says "Showing 1 to 3 of 3 entries".

Select	Tender No	Tender Name	Sanction	Tender Publishing Agency	Tender Qty	Tender MW Size	Component	Tender Publish Date
<input type="checkbox"/>	EESL Tender No. EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/Off Grid/192007012	Off Grid Solar Pump	EESL	2500	10	Off Grid Solar Pump	02-11-2022 00:00:00	
<input type="checkbox"/>	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/OffGrid/192012030	Off Grid Solar Pump of 10 HP	EESL	23750	100	Off Grid Solar Pump	20-12-2019 00:00:00	
<input type="checkbox"/>	EESL/06/2019-20/KUSUM/SWPS/Phase-1/OffGrid//192007012	Off Grid Solar Pump	EESL	2500	10	Off Grid Solar Pump	21-08-2019 00:00:00	

FIGURE 46 TENDER TAB DASHBOARD

Table 19 TENDER DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	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

	A	B	C	D	E	F	G	H	I
1	Select	Tender No	Tender Na	Sanction	Tender Pu	Tender Qt	Tender M	Component	
2		EESL Tend	Off Grid S	EESL	2500	10	Off Grid S	#####	
3		EESL/06/2	Off Grid S	EESL	23750	100	Off Grid S	#####	
4		EESL/06/2	Off Grid S	EESL	2500	10	Off Grid S	#####	
5									
5									

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 Information

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 ?	

Cancel
Save

FIGURE 48 NEW TENDER DETAILS

Table 20 TENDER REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Tender No.	Numerical	-	✓	EESL/06/2019-20/KUSUM/SWPS/Phase-1/10HP/OffGrid/192012030	-
Tender Publishing Agency	Text	-	✓	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	-

- 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

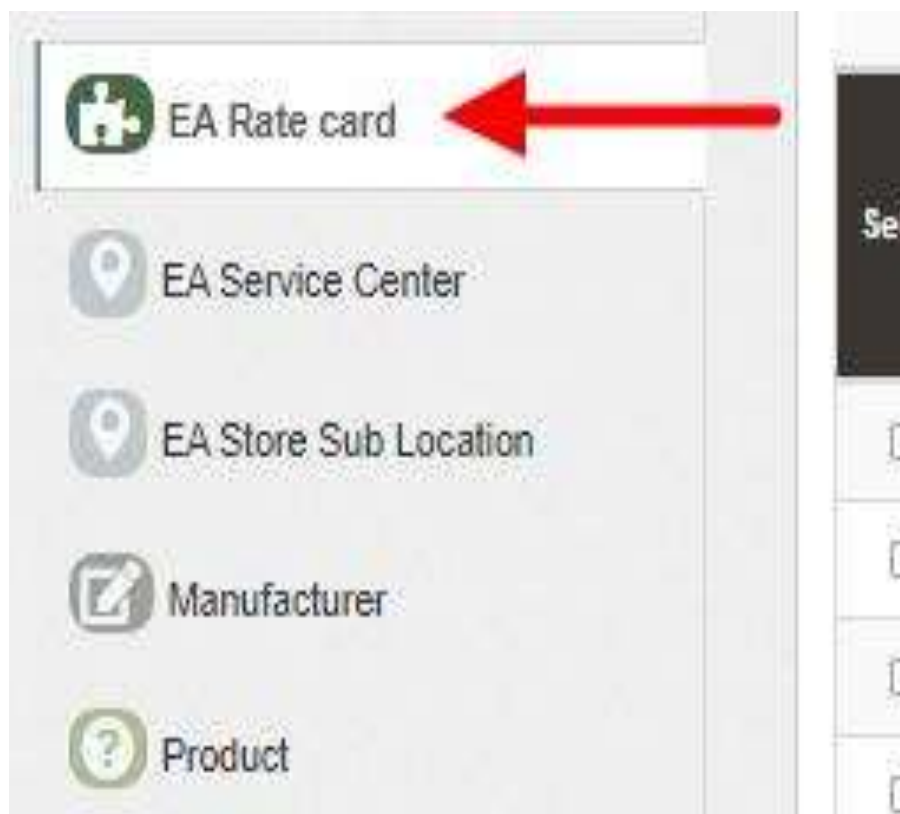


FIGURE 49 EA RATE CARD TAB

EA rate card

Sanction: All | Tender: All

Search:

Show 100 entries

EA Name	Sanction	Tender	Pump Type	Pump Capacity	Pump Category	Pump SubType	Rate of Solar Water Pump	SPV Capacity As Per Norms(W, DC)	Central Contribution(%)	State Contribution(%)	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. 13.01.2021	Off Grid Solar Pump	DC	3	WaterFilled	Submersible	209392	3	50	35	15

FIGURE 50 EA RATE CARD DASHBOARD

Table 21 EA RATE CARD DASHBOARD EXPLANATION

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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	EA Name	Sanction	Tender	Pump Typ	Pump Cap	Pump Cat	Pump Sub	Rate of So	SPV Capac	Central Cc	State Con	Farmer Cc	State Con	Farmer Cc	Is Sync on	National S	Central Contribution(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 *

USPC Rate(GST) *

SPV Capacity *

Central Contribution(%) *

State Contribution(%) *

Farmer Contribution(%) *

Central Contribution(INR) *

State Contribution(INR) *

Farmer Contribution(INR) *

Rate of Solar water pump *

EA Name *

FIGURE 52 NEW EA RATE CARD DETAILS

Table 22 EA RATE CARD REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Pump Type	Text	- AC - DC	✓	AC	Selection of the Pump Type
Pump Sub Type	Drop Down	- Submersible - Surface	✓	Submersible	Selection of the Pump Sub Type
Pump Category	Drop Down	- Oil Filled - Water Filled	✓	Water Filled	Selection of the Pump Category
Pump Capacity	Drop Down	- 1 HP - 2 HP - 3 HP	✓	5 HP	Selection of the Pump Capacity

		- 5 HP - 7.5 HP - 10 HP			
USPC Rate (GST)	Numerical	-	✓	0	-
SPV Capacity	Numerical	-	✓	3	-
Central Contribution (%)	Numerical	-	✓	30	-
State Contribution (%)	Numerical	-	✓	45	-
Farmer Contribution (%)	Numerical	-	✓	25	-
Central Contribution (INR)	Numerical	-	✓	49668	-
State Contribution (INR)	Numerical	-	✓	74501	-
Farmer Contribution (INR)	Numerical	-	✓	41930	-
Rate of Solar Water Pump	Numerical	-	✓	16558	-
EA Name	Drop Down	- Tata Power Solar Systems Limited - M/s Rotomag Motor and Controls Pvt. Ltd - M/s VRG Energy India Pvt. Ltd - VTech Sunsystems Private Limited	✓	VTech Sunsystems Private Limited	Selection of the relevant Empanelled Agency

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

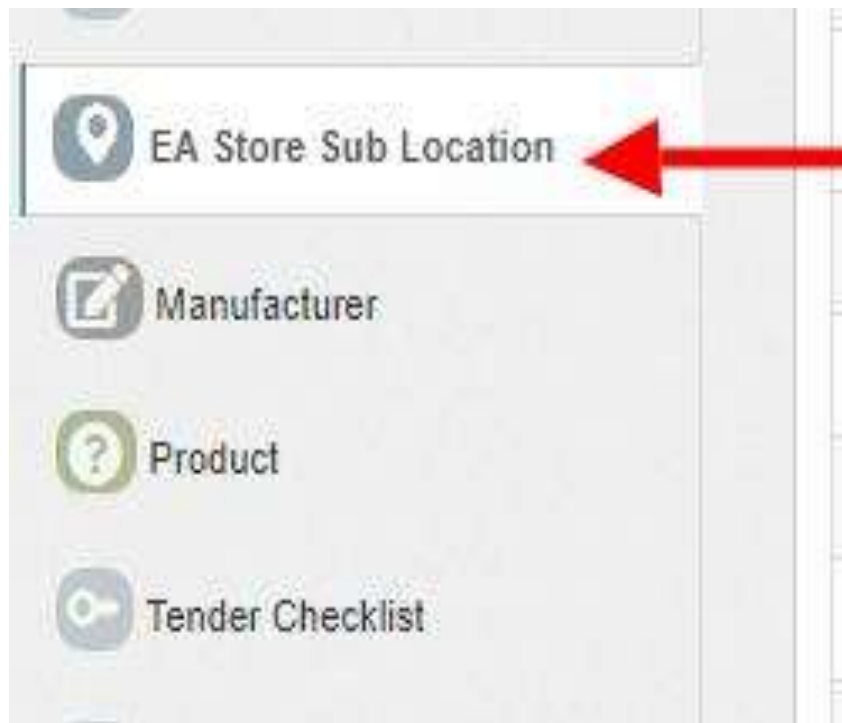


FIGURE 53 EA STORE SUB LOCATION TAB

Select	Sub Location Name	Location	Empanelled Agency
<input type="checkbox"/>	Agency Store Under Inspection_Sub	Agency Store Under Inspection	Solex Energy Limited
<input type="checkbox"/>	Agency Store_Sub	Agency Store	
<input type="checkbox"/>	Customer Lab1_Sub	Customer Lab1	
<input type="checkbox"/>	Customer Store_Sub	Customer Store	
<input type="checkbox"/>	ds	Agency Store	Tata Power Solar Systems Limited
<input type="checkbox"/>	dssd	Agency Store Under Inspection	Tata Power Solar Systems Limited
<input type="checkbox"/>	Field Service Engineer_Sub	Field Service Engineer	
<input type="checkbox"/>	Manufacturer Service_Sub	Manufacturer Service	
<input type="checkbox"/>	Manufacturer Store_Sub	Manufacturer Store	
<input type="checkbox"/>	Site Location_Sub	Site Location	
<input type="checkbox"/>	test	Agency Store Under Inspection	Tata Power Solar Systems Limited
<input type="checkbox"/>	test location1	Agency Store Under Inspection	

Showing 1 to 12 of 12 entries

FIGURE 54 EA STORE SUB LOCATION DASHBOARD

Table 23 EA STORE SUB LOCATION DASHBOARD EXPLANATION

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

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

A	B	C	D	E	F	G	H
Select	Sub Locati	Location	Empanelled Agency				
	Agency St	Agency St	Solex Energy Limited				
	Agency St	Agency Store					
	Customer	Customer Lab1					
	Customer	Customer Store					
	ds	Agency St	Tata Power Solar Systems Limited				
	dssd	Agency St	Tata Power Solar Systems Limited				
	Field Serv	Field Service Engineer					
	Manufact	Manufacturer Service					
	Manufact	Manufacturer Store					
	Site Locati	Site Location					
	test	Agency St	Tata Power Solar Systems Limited				
	test locati	Agency Store Under Inspection					

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)

+ EA Store Sub Location x

EA Store Sub Location Information

Sub Location Name* Location* Empanelled Agency*

Sub Location Name

-

-

Cancel
Save

FIGURE 56 NEW EA STORE SUB LOCATION DETAILS

Table 24 EA STORE SUB LOCATION REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Sub Location Name	Text	-	✓	Agency Store Sub	-
Location	Drop Down	- Field Service Engineer - Agency Store Under Inspection - Agency Store - Manufacturer Store - Manufacturer Service	✓	Agency Store Under Inspection	Selection of relevant Location
Empanelled Agency	Drop Down	- 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 [here](#) to know more)

➤ Navigation Step :-

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

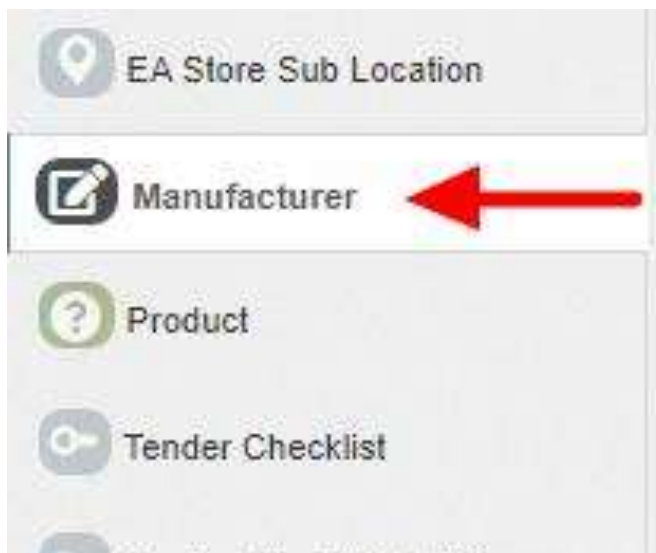


FIGURE 57 MANUFACTURER TAB

Manufacturer List Delete + Add Manufacturer Export

Search: Show 100

Select	Manufacturer Name	Empanelled Agency	Address	City	State	District	Asset Type	Contact Person	Phone	GST No.	Manufacturing Parts	Manufacturing Capacity (Month)
<input type="checkbox"/>	CRI Pumps Pvt. Ltd.	CRI Pumps Private Limited	Plot No.114-115, Sector-8A IIE Rainpur Sidoul Haridwar	Haridwar	HARYANA	AMBALA	Solar Panel	Anirudh Khandelwal	9909153717	05AAFCG5884Q1ZU	Solar Panel	3000 N
<input type="checkbox"/>	FORTUNE INFRA PARTNERS LLP	Solex Energy Limited	Plot No 86,87/B,88,89, Tupudana Industrial Area, Hatia, Ranchi 834003 (Jharkhand)	Ranchi	JHARKHAND	RANCHI	Structure	Sachin Mulayy	8200244707	08AAKFR5339K1ZO	Solar Panel	2500
<input type="checkbox"/>	MUNDRA SOLAR PV LTD	Tata Power Solar Systems Limited	MUNDRA SOLAR PV LTD ,SURVSURVEY NO 180-P AND OTHERS , VILLAGE T TALUKA MUNDRA ,KUTCH,GUJARAT -370435	MUNDRA	GUJARAT	KACHCHH	Solar Panel	Mr.Ravi	9725836571	24AAJCM7672A1ZJ	Solar Panel	3.8 MW /
<input type="checkbox"/>	OSWAL PUMPS LIMITED	Tata Power Solar Systems Limited	Oswal Estate, NH-1 Kutail Road, P.O. Kutail-132037 Distt.-Karnal Haryana	Karnal	HARYANA	KARNAL	Pump	Mr. Jignesh	9729997144	06AAACO8417C1ZV	Pump	5000 N
<input type="checkbox"/>	OSWAL PUMPS LIMITED	Tata Power Solar Systems Limited	Oswal Estate, NH-1 Kutail Road, P.O. Kutail-132037 Distt.-Karnal Haryana	Karnal	HARYANA	KARNAL	Pump Controller with RMS	Mr. Jignesh	9729997144	06AAACO8417C1ZV	Pump Controller	5000 N
<input type="checkbox"/>	RAYDEAN	Tata Power	G-1-22, Riico Industrial	JAIPUR	RAJASTHAN	JAIPUR	Structure	ANKIT	8233086870	08AAKFR5339K1ZO	RMS	2000M

FIGURE 58 MANUFACTURER TAB DASHBOARD

Table 25 MANUFACTURER DASHBOARD EXPLANATION

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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Manufacturer Name	Empanelled Agency	Address	City	State	District	Asset Type	Contact Person	Phone	GST No.	Manufacturing Part	Manufacturing Capacity (Month)		
2	Icon Solar-En Power	Solex energy limited	Village â€” Digh	Raipur	CHHATTIS	RAIPUR	Solar Panel	Sandeep Bhal	9814375861	22AADCI5	Solar Panel	1000		
3	Aditya Traders	VRG ENERGY INDIA P	Gazhiabad Utte	Gazhiabad	UTTAR PR.	GHAZIABA	Structure	Mr. Sunil Mish	7046047477	24AADCV5	Meter	500 Set		
4	BHEIL	Rajasthan Electronic	2, Kanakpura In	Jaipur	RAJASTHA	JAIPUR	Solar Panel	Sanjay Charan	7727011729	08AABCR1	Solar Panel	1000		
5	ECOZEN	Premier Solar System	PLOT NO.13, PH	Panchkula	HARYANA	PANCHKU	Pump	Madhavi	9676491000	06AABCP8	Pump	1000		
6	ECOZEN	Premier Solar System	PLOT NO.13, PH	Panchkula	HARYANA	PANCHKU	Pump Controlle	Madhavi	9676491000	06AABCP8	Pump Controller	1000		
7	Ecozen Solutions Pvt	Ecozen Solutions Pri	Survey No. 134/	Pune	MAHARAS	PUNE	Pump	Prateek Singh	9975079419	27AACCE5	Pump	3000		
8	Ecozen Solutions Pvt	Ecozen Solutions Pri	Survey No. 134/	Pune	MAHARAS	PUNE	Pump Controlle	Prateek Singh	9975079419	27AACCE5	Pump Controller	3000		
9	Ethos Power Pvt. Ltd	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Pump	Kuldeep Pancl	7697905171	06AACCE9	Pump	3000		
10	Ethos Power Pvt. Ltd	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Pump Controlle	Kuldeep Pancl	7697905171	06AACCE9	Pump Controller	3000		
11	Gautam Solar	Gautam Solar	Plot No. 114-11/	Haridwar	UTTARAKH	HARIDWA	Pump	SUSHIL	9990399849	05AAFCE5	Pump	1000		
12	Gautam Solar	Gautam Solar	Plot No. 114-11/	Haridwar	UTTARAKH	HARIDWA	Pump Controlle	SUSHIL	9990399849	05AAFCE5	Pump Controller	1000		
13	Gautam Solar	Gautam Solar	Plot No. 114-11/	Haridwar	UTTARAKH	HARIDWA	Solar Panel	SUSHIL	9990399849	05AAFCE5	Solar Panel	10 MW		
14	Gautam Solar	Gautam Solar	Plot No. 114-11/	Haridwar	UTTARAKH	HARIDWA	Pump Controlle	SUSHIL	9990399849	05AAFCE5	RMS	1000		
15	Gautam Solar	Gautam Solar	Plot No. 114-11/	Haridwar	UTTARAKH	HARIDWA	Structure	SUSHIL	9990399849	05AAFCE5	Meter	1000		
16	Gautam Solar	Gautam Solar	Gautam Solar	Ambala	HARYANA	AMBALA	Structure	Sushil Yadav	7827170003	24AAACT4	Meter	1000		
17	Himalayan Solar	Sai Babuji Projects	Plot No 237,HSI	Panchkula	HARYANA	PANCHKU	Solar Panel	Mr Vikas	9466749101	06AADCH5	Solar Panel	4.16MW		
18	Himalayan Solar Pvt	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Solar Panel	Kuldeep Pancl	7697905171	06AACCE9	Solar Panel	1000		
19	Icon Solar	VRG ENERGY INDIA P	Raipur	Raipur	CHHATTIS	RAIPUR	Solar Panel	Mr. Sunil Mish	7046047477	24AADCV5	Solar Panel	10 MW		
20	Icon Solar-En Power	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Solar Panel	Kuldeep Pancl	7697905171	06AACCE9	Solar Panel	1000		
21	Icon Solar-En Power	Ecozen Solutions Pri	Survey No. 134/	Pune	MAHARAS	PUNE	Solar Panel	Mr Rohit	8669998938	0AA7897B	Meter	1000		
22	ICON Solar-En Power	Rotomag Motor and	2102/03&4, GID	Anand	GUJARAT	ANAND	Solar Panel	Mr. Raghav Ag	9871077220	06AAACR5	Solar Panel	1000		
23	Icon Solar-En Power	Neety Euro Asia Sola	Raipur,Chhattis	Raipur	CHHATTIS	RAIPUR	Solar Panel	Sandeep Bhal	9814375861	24AAACR5	Solar Panel	325		
24	Insolation Energy Pv	Shakti Pumps I Ltd	M/s Shakti Pum	Pithampur	MADHYA	DHAR	Solar Panel	Mr. Sandeep F	7389916073	06AAECS5	Solar Panel	1000		
25	M/s Ecozen Solution	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Pump Controlle	Kuldeep Pancl	7697905171	06AACCE9	Meter	3000		

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 Parts *
<input type="text"/>	<input type="text" value="Manufacturer Name"/>	<input type="text" value="Please Select Parts"/>
Asset Type*	Manufacturing Capacity (Monthly) *	Address *
<input type="text" value="-"/>	<input type="text" value="Manufacturing Capacity"/>	<input type="text" value="Address"/>
City *	State*	District*
<input type="text" value="City"/>	<input type="text" value="-"/>	<input type="text"/>
Contact Person	Phone	GST No.
<input type="text" value="Contact Person"/>	<input type="text" value="Phone"/>	<input type="text" value="GST No."/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distributed Solar PV	Off Grid Solar Pump	Grid Connected Solar Pump

FIGURE 60 NEW MANUFACTURER DETAILS

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	✓	Solar Panel	Selection of the manufacturer parts of the assets	-

		- Pump - RMS - Meter				
Asset Type	Drop Down	- Pump - Solar Panel - Pump Controller with RMS - Structure	✓	Solar Panel	Selection of relevant asset type that the manufacturer is manufacturing.	-
Manufacturer Capacity (Monthly)	Numerical	-	✓	320	-	-
Address	Text	-	✓	Plot No. 34/1, Survey No. 374, CIE Phase II, Gandhinagar	-	-
City	Text	-	✓	DECGARH	-	-
State	Drop Down	- STATE - GUJARAT - ODISHA - TRIPURA -	✓	✓ ODISHA	Selection of the relevant State from where the manufacture belong from	-
District	Drop Down	- DISTRICT-1 - DISTRICT-2 - DISTRICT-3	✓	DISTRICT-3	Selection of the relevant district from where the manufacture belong from	-
Contact Person	Text	-	✓	Mr.Sudhir Kant Gir	-	-
Phone	Numerical	-	✓	9949033677	-	- Must be of 10 digits only
GST No.	Text	-	✓	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 alphanumeric 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	-	-
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- After filling all the details, user has to click on the “Save” button (highlighted in red in above Figure 60) to register New Manufacturer.

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 [here](#) 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

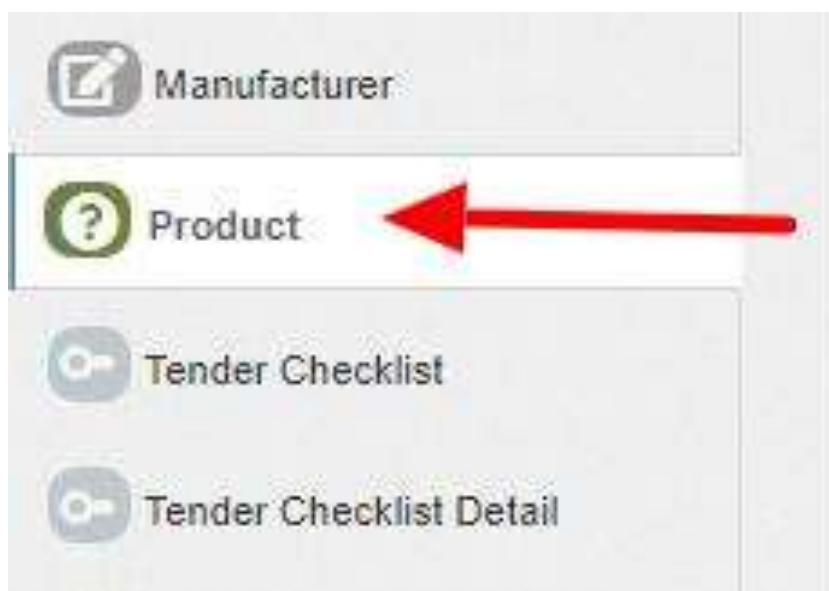


FIGURE 61 PRODUCT TAB

The screenshot shows the 'Product List' dashboard. At the top right, there are three buttons: 'Delete' (yellow), '+ Add Product' (red), and 'Export' (green). Below these is a search bar (blue border) and a 'Show 100 entries' dropdown. The main table has columns: Select, Model No, Manufacturer, Empanelled Agency, AssetType, and IsMakeInIndia. The first row is highlighted in pink, and its 'Select' checkbox is also highlighted in pink.

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

Table 27 PRODUCT DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Type	Description
Search	Search Product	Blue	Text Box	Enter input to explore Product details
Delete	Delete Product	Yellow	Button	Select check box (highlighted in pink) and click on delete button to Delete Product details

Add Product	Register new Product	Red	Button	Register new Product by clicking on Add Product button
Export	CSV file for Product details	Green	Button	Download CSV file of Product details

	A	B	C	D	E
1	Model No	Manufacturer	Empanelled Agency	AssetType	IsMakeInIndia
2	ISEN335	ICON Solar-En Power Technologies	Rotomag Motor and Controls Pvt Ltd	Solar Panel	Yes
3	SBPL/10HP DC	M/s Sai Babuji Project Pvt	Sai Babuji Projects	Pump Controller with RMS	Yes
4	300 W72	Rajasthan Electronics And Instrume	Rajasthan Electronics And Instrume	Solar Panel	Yes
5	4800024837	Shakti Pumps	Rajasthan Electronics And Instrume	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 Instrume	Pump	Yes
10	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrume	Pump Controller with RMS	Yes
11	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrume	Pump	Yes
12	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrume	Pump Controller with RMS	Yes
13	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrume	Pump	Yes
14	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrume	Pump Controller with RMS	Yes
15	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrume	Pump	Yes
16	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrume	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 Instrume	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: ▼

Empanelled Agency: ▼

Is Make In India

FIGURE 64 NEW PRODUCT DETAILS

Table 28 PRODUCT REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Model No.	Text	-	✓	VPS6750-30-7.5-AC	-
Empanelled Agency	Drop Down	- 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 [here](#) 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

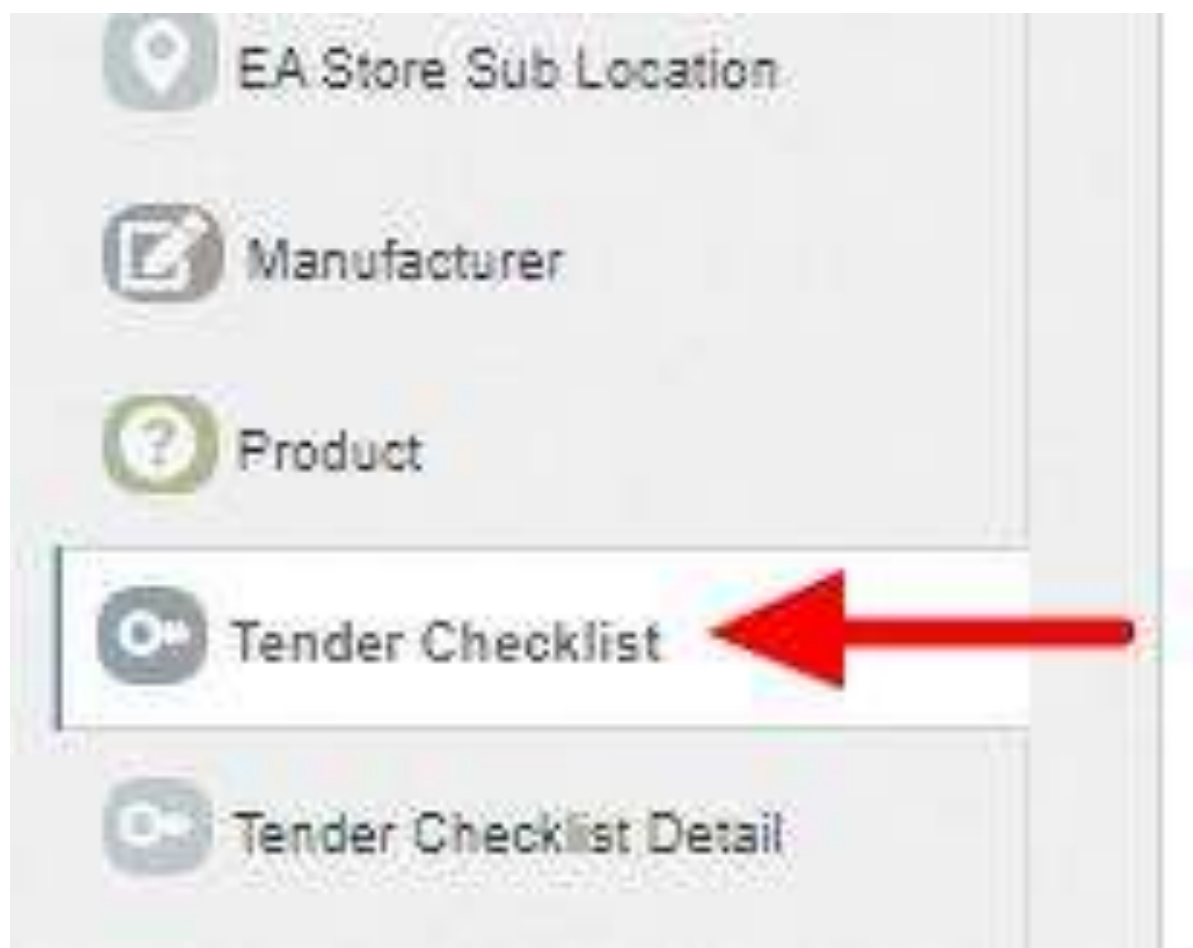


FIGURE 65 TENDER CHECKLIST TAB

Select	Checklist Name	Tender Name	Asset Type	Tender Clause	Asset Category	Asset SubCategory	Revision
<input type="checkbox"/>	Pump	Off Grid Solar Pump of 10 HP	Pump	3.4.5			1
<input type="checkbox"/>	Pump	Off Grid Solar Pump	Pump	3.4.5			1
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	Solar Panel	Off Grid Solar Pump	Solar Panel	3.3			1
<input type="checkbox"/>	Solar Panel	Off Grid Solar Pump of 10 HP	Solar Panel	3.3			1
<input type="checkbox"/>	Structure	Off Grid Solar Pump	Structure	3.5			1
<input type="checkbox"/>	Structure	Off Grid Solar Pump of 10 HP	Structure	3.5			1

FIGURE 66 TENDER CHECKLIST TAB DASHBOARD

Table 29 TENDER CHECKLIST DASHBOARD EXPLANATION

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

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

FIGURE 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 ×

Checklist Information

Select Tender *

Asset Type *

Asset Category

Asset SubCategory

Checklist Name *

Tender Clause

Revision

Distributed Solar PV

Off Grid Solar Pump

Grid Connected Solar Pump

FIGURE 68 NEW CHECKLIST DETAILS

Table 30 TENDER CHECKLIST REGISTRATION FIELDS DESCRIPTION

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

		- Grid Connected Solar Pump (C)			
--	--	------------------------------------	--	--	--

- 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

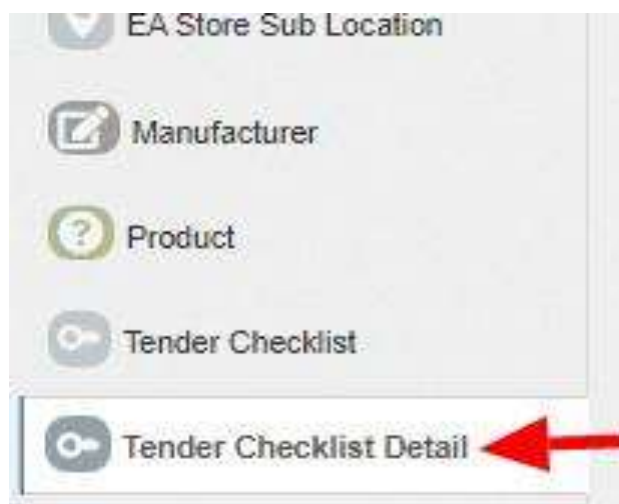


FIGURE 69 TENDER CHECKLIST DETAIL TAB

- 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.

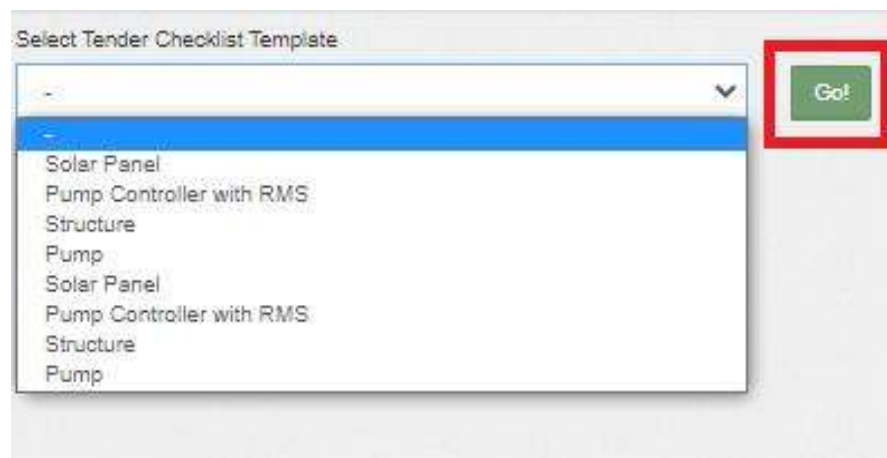


FIGURE 70 SELECT TENDER CHECKLIST TEMPLATE

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

Select Tender Checklist Template: Solar Panel

Tender Checklist Template List

Search: Show 100 entries

Select	Name	Sequence	Field Type	Ideal Response	Tender Clause	Product Document Attachmen	Third Party Certificate	Standards or Compliance Declaration	Deviation Declaration
<input type="checkbox"/>	Qualify to IS/IEC 61730	1	Boolean	Yes	3.3.3	Yes	No	Yes	No
<input type="checkbox"/>	Certificates as per IS 14286/IEC 61215 specifications/equivalent National/International/ Standards	0	Boolean	Yes	3.3.2	No	Yes	Yes	No
<input type="checkbox"/>	Fill factor as measured >70%	3	Boolean	Yes	3.3.4	No	No	Yes	No
<input type="checkbox"/>	IEC TS 61701:2011 for salt mist corrosion test for coastal area installation	5	Boolean	yes	3.3.6	No	Yes	Yes	No
<input type="checkbox"/>	Indigenous manufactured solar modules with indigenous mono/multi crystalline silicon solar cells	11	Boolean	Yes	3.8	No	Yes	Yes	No
<input type="checkbox"/>	Module Efficiency as measured >15%	2	Boolean	Yes	3.3.4	No	No	Yes	No
<input type="checkbox"/>	Module to Module wattage mismatch	7	Boolean	Yes	3.3.9	Yes	No	Yes	No
<input type="checkbox"/>	Modules - qualify to IEC TS 62804-1:2015	4	Boolean	Yes	3.3.5	No	Yes	Yes	No
<input type="checkbox"/>	Name Plate conform to IS 14286/IEC 61215I	6	Boolean	Yes	5.1	No	No	Yes	No
<input type="checkbox"/>	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	Type	Description
Search	Search Tender Checklist Template	Blue	Text Box	Enter input to explore Tender Checklist Template
Delete	Delete Tender Checklist Template	Yellow	Button	Select check box (highlighted in pink) and click on delete button to Delete Tender Checklist Template
Add Tender Checklist Template	Register new Tender Checklist Template	Red	Button	Register new Tender Checklist Template by clicking on Add Tender Checklist Template button
Export	CSV file for Tender Checklist Template	Green	Button	Download CSV file of Tender Checklist Template

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

CheckList Information

Label Name <input style="width: 90%;" type="text" value="Lable Name"/>	Sequence <input style="width: 90%;" type="text" value="Sequence"/>	Field Type <input style="width: 90%;" type="text" value="-"/>
Ideal Response <input style="width: 90%;" type="text" value="Ideal Response"/>	Sign <input style="width: 90%;" type="text" value="-"/>	Tender Claus <input style="width: 90%;" type="text" value="Tender Clause"/>

Product Document Attachment
 Third Party Certificate
 Deviation Declaration
 Standards or Compliance Declaration

73 NEW TENDER CHECKLIST DETAILS

Table 32 TENDER CHECKLIST TEMPLATE REGISTRATION FIELDS DESCRIPTION

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

Tender Clause	Numerical	-	✓	5.1	Reference tender clause of corresponding tender
Additional required Input details against checklist item	Check Box	- Product Document Attachment - Third Party Certificate - Deviation Declaration - Standard or Compliance Declaration	-	- Third Certificate - Standard or Compliance Declaration	User need to submit corresponding documents/declaration as per selection

- 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



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.

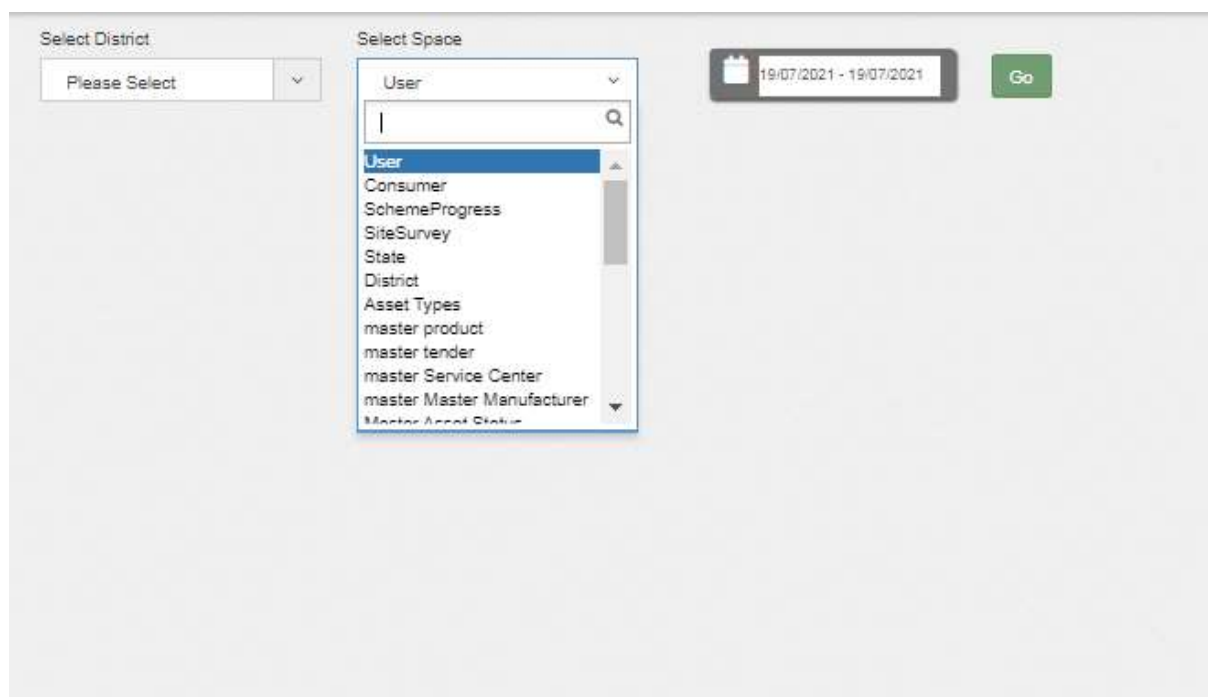


FIGURE 75 AUDIT TAB FILTERS

- 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.

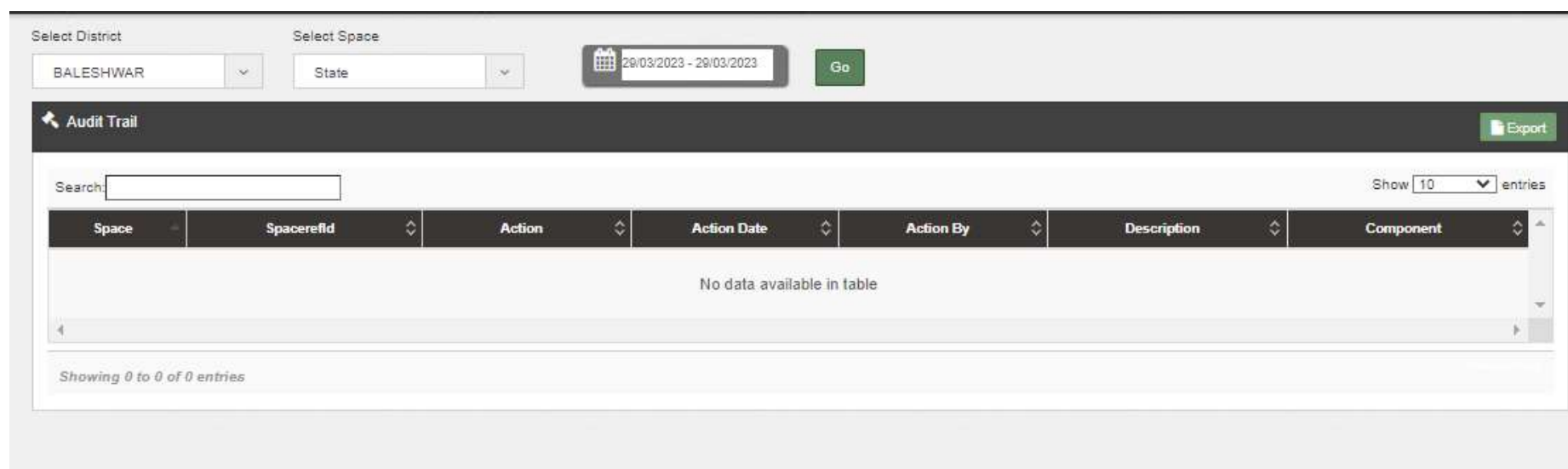


FIGURE 76 AUDIT DASHBOARD (APPLIED FILTERS)

- 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 of filtered Audit details by clicking on export button.

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

<u>Site Survey Done</u>	When the surveyor gather and upload the relevant data of consumer/farmer's farm site location, Site Survey stage will be reflected.	EA
<u>Feasible Application</u>	When the authorized person approve the consumer/farmer's application, Feasible Application stage will be affected.	SDN/HO
<u>Applicant Contribution Received</u>	When the authorized person receive the consumer/farmer's share, Farmer Share Received stage will be affected.	SDN/HO
<u>Order Placed to EA</u>	When the authorized person allocate consumer/farmer's application to the Empanelled Agency, Order Placed to EA stage will be reflected.	SDN/HO
<u>Asset Test Report Creation by EA</u>	In order to create Lot & Document, user has to create an Asset Test Report.	EA
<u>Lot & Document Creation by EA</u>	When the authorized person creates and submit Lot & Document, Lot & Document Creation by EA stage will be affected.	EA
<u>Lot & Document Verified</u>	When the authorized person verifies the submitted lot & document by EA, Lot & Document Verification Stage will be affected.	SDN/HO
<u>Pre Dispatch Inspection</u>	When the authorized person upload the Pre Dispatch Inspection (PDI) document, Pre Dispatch Inspection stage will be affected.	SDN/HO
<u>Dispatched</u>	When the authorized person dispatches the lot of assets, Dispatched stage will be affected.	EA
<u>Installation & Commission (I & C)</u>	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
<u>I & C Verification</u>	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)
 - o Sub Division Officer (SDN)
 - o 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 77 Click on the “Add Farmer” button

3.



FIGURE 77 DETAILS

- Select the district from where the new farmer belongs from and click on the “GO” button as shown in the below Figure 78 and Figure 79



FIGURE 78 SELECT DISTRICT

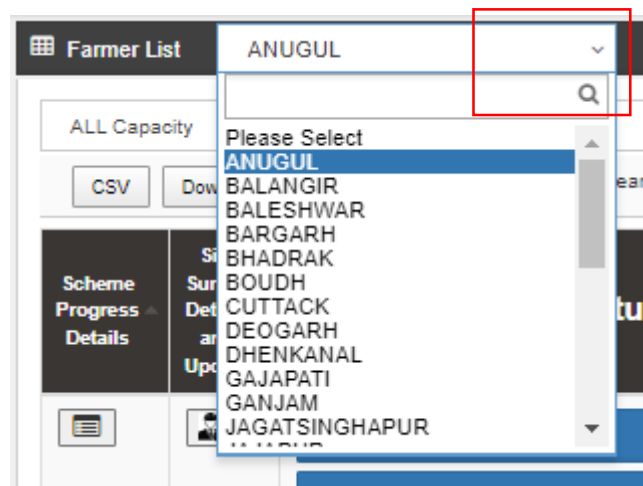


FIGURE 79 DISTRICT LIST

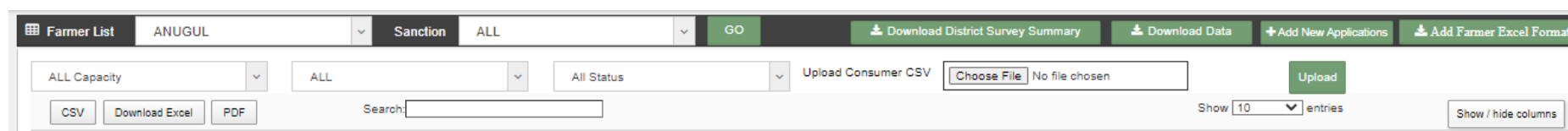


FIGURE 80 ADD FARMER BUTTON

- Click on the “Add New Application” button as highlighted in red in the above Figure 80.

+ 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

FIGURE 81 ADD FARMER FORM

- After clicking on the “Add Farmer” button, a screen will appear as shown in above Figure 81.
- Multiple sections are there for filling out the farmer details.
- User has to click on the section name (highlighted in red in above Figure 81) to open the section of the form.

➤ **Application & Consumer Details**

FIGURE 82 APPLICATION & CONSUMER DETAILS

Table 34 APPLICATION AND CONSUMER DETAILS

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description
Application No.	Auto-Generated	-	✓	OD/PM KUSUM-B	Application no. will be unique and 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	-	-	OREDA	Specific Implementing Agency for the state
Consumer/Farmer No.	Numerical	-	-	1273	Any number which is enter by farmer.

➤ **Communication & Location Details**

Communication Details

State * District * Taluka Town

Post office Pin code

Location Details

Location State * Location District * Location Taluka Location Town

Location Pin code Location Survey No. Sub Division No. Sub Division Office Name

Location Latitude * Location Longitude *

Please Enter Latitude Please Enter Longitude

FIGURE 83 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.	-
Communication (Residential) Details					
State	Default	-	✓	ODISHA	-
District	Drop Down	- ANUGUL - BALANGIR - BALESHWAR - BHADRAK - MSME - BOUDH - CUTTACK - DECGARH	✓	DECGARH	This District selection is for the farmer's residence district
Revenue Division	Drop Down	- DECGARH	✓	DECGARH	This revenue division selection is for the farmer's residence revenue division
Taluka	Drop Down	- Balangir - Belpara - loisinga	-	Balangir	This taluka selection is for the farmer's residence taluka
Town	Drop Down	- babja - badipali - aenlapsi	-	aenlapsi	This town selection is for the farmer's residence town
Post Office	Numerical	-	-	Baksa	-
Pin code	Numerical	-	-	641407	-
Location Details					
Location State	Default	-	✓	ODISHA	-
Location District	Default	-	✓	BALANGIR	-
Location Revenue Division	Drop Down	- BALANGIR	✓	BALANGIR	This Revenue District selection is of pump site location
Location Taluka	Drop Down	- Balangir - Belpara - loisinga	-	- Belpara	This taluka selection is of pump site location
Location Town	Drop Down	- babja	-	aenlapsi	This town selection is of

		- badipali - aenlapsi			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	-	-	BALANGRI	-

- 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 ^ v

Water Depth Level in summer(Feet) *	Irrigation Mode *	Existing Farm Pond?
<input style="width: 90%;" type="text" value="2"/>	<input style="width: 90%;" type="text" value="Micro Irrigation"/>	<input style="width: 90%;" type="text" value="NO"/>
Quality of Water	Source of Water	Size of Borewell (inch) *
<input style="width: 90%;" type="text" value="Fit for Irrigation"/>	<input style="width: 90%;" type="text" value="Borewell"/>	<input style="width: 90%;" type="text" value="10"/>

FIGURE 84 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 *

Please Select

Required Pump Sub Type *

Please Select

Required Pump Category *

Please Select

Required Pump Capacity *

Please Select

FIGURE 85 PUMP DETAILS

Table 37 PUMP INFORMATION

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	- Submersible - Surface - BLDC	✓	Submersible	Selection of relevant Pump sub type
Required Pump Category	Drop Down	- Waterfilled - Oilfilled	✓	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

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

➤ **Solar Details**

The screenshot shows a form titled 'SOLAR DETAILS' with a sub-label 'SPV Capacity as per Norms (KWp)'. Below the label is a text input field containing the value '4.8'. There are expand/collapse arrows in the top right corner of the form.

FIGURE 86 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)
<input style="width: 95%; border: 1px solid #ccc;" type="text" value="Rabi"/>	<input style="width: 95%; border: 1px solid #ccc;" type="text" value="Kharif"/>	<input style="width: 95%; border: 1px solid #ccc;" type="text" value="2"/>
Crop Count (Last To last year)	Land Coverage (Hectare) *	
<input style="width: 95%; border: 1px solid #ccc;" type="text" value="3"/>	<input style="width: 95%; border: 1px solid #ccc;" type="text" value="5"/>	

FIGURE 87 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 ^ v

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

FIGURE 88 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**

FIGURE 89 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. - Gautam Solar Pvt. Ltd. - CRI Pumps Pvt. Ltd. - Shakti Pumps Ltd. - Solex Energy Ltd. - Junna Solar System Pvt. Ltd.	-	Solex Energy Ltd.	If Site Survey is done then selection should be done of that Installer who had done Site Survey
Grid Connection Application Status	Drop Down	- Yes - Not Applied - In 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? <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Yes"/>	Loan Institution * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="SBI"/>	Loan Institution Branch * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Coimbatore"/>
Loan Amount * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="65000"/>	Loan Tenure (Month) * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="24"/>	Rate of Interest(%) * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="7"/>
EMI Per Month(INR) * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="3088"/>	Loan Application Date * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="2021/01/05"/>	Loan Sanction Date * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="2021/02/15"/>
Loan Disbursement Date * <input style="width: 90%; border: 1px solid #ccc;" type="text" value="2021/04/02"/>		

FIGURE 90 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 Disbursement Date	Date	-	✓	2021/09/27	Date on which loan has been disbursed (YYYY/MM/DD)

➤ **Bank Details**

The screenshot shows a form titled "BANK DETAILS" with the following fields and values:

- Bank Name: YES BANK
- Bank Branch: (empty)
- Branch Address: Branch Address
- Bank Account No.: 456456151548415
- Account Type: Savings
- IFSC Code: YBANK155130
- Account holder name: MOHAN

FIGURE 91 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	-	-	BALANGIR	Name of given Bank Branch
Branch Address	Text	-	-	BALANGIR	Bank Branch address
Bank Account No	Numerical	-	-	458856478953	Account no of Bank
Account Type	Drop Down	- Savings - Current	-	Savings	Selection of relevant bank account type of Farmer
IFSC Code	Text	-	-	YBANK155130	-
Account holder name	Text	-	-	Mohan	-

➤ **List of Document Attached**

The screenshot shows a section titled "LIST OF DOCUMENT ATTACHED" with two upload buttons highlighted in red:

- Upload Photograph of site
- Upload Farmer Consent Form

FIGURE 92 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 92, user can upload these two forms from farmer registration form.

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 (HP)	Required Pump Type	Required Pump Sub Type	Required Pump Category	Delete Farmer
		Farmer Share Update Order to EA Update Download Installation Report (PCR)	Authentication				Nityanantham	Rangasamy	9842239309	10	AC	Submersible	Oifilled	
		Farmer Share Update Order to EA Update Download Installation Report (PCR)	Site Survey Done		CRI Pumps Pvt. Ltd		Saishkumar	Anugam	9800094949	10	AC	Submersible	Oifilled	
		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	Oifilled	
		Order to EA Update Download Installation Report (PCR)	06-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	MADHU P	PERIYASAMY	9844244442	10	AC	Submersible	Oifilled	
		Order to EA Update Download Installation Report (PCR)	06-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	S.Viswanatha Bharathi	C.Selvaraj	9855523459	10	AC	Submersible	Oifilled	

FIGURE 93 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 93) 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 (HP)	Required Pump Type	Required Pump Sub Type	Required Pump Category	Location Town
		Farmer Share Update Order to EA Update Download Installation Report (PCR)	Authentication				Nityanantham	Rangasamy	9842239309	10	AC	Submersible	Oifilled	Kammalapatti

FIGURE 94 CONSUMER DETAIL DATA COLUMNS

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 share in terms of INR including GST
Survey Done By	<Empanelled Agency Name>	Surveyed Empanelled Agency Name

Order Place to EA	<Empanelled Agency Name>	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	Kammalapatti	Town of the farm site
Location Taluka	Sulur	Taluka of the farm site
Location Revenue Division	BALANGIR	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.	OD/PMKUSUM-B/	Application no. of the farmer
Delete Farmer	<delete icon>	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**

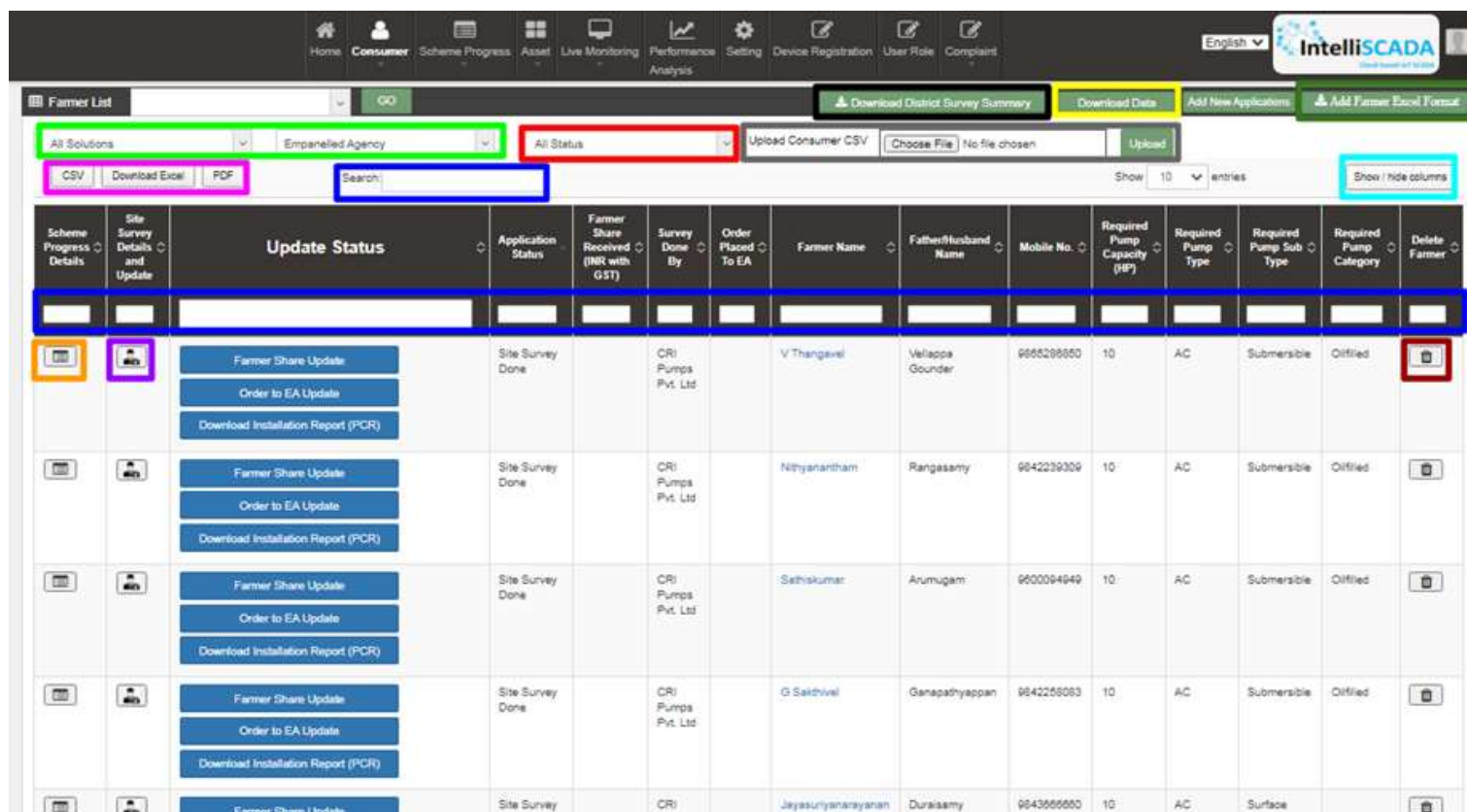


FIGURE 95 CONSUMER/FARMER DETAIL DASHBOARD

- The blue buttons in third column of Consumer Details dashboard will be used further to update the application status “Farmer Share Received” (click [here](#) to know more) & “Order Place To EA” (click [here](#) 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 95. 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 95) 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”.

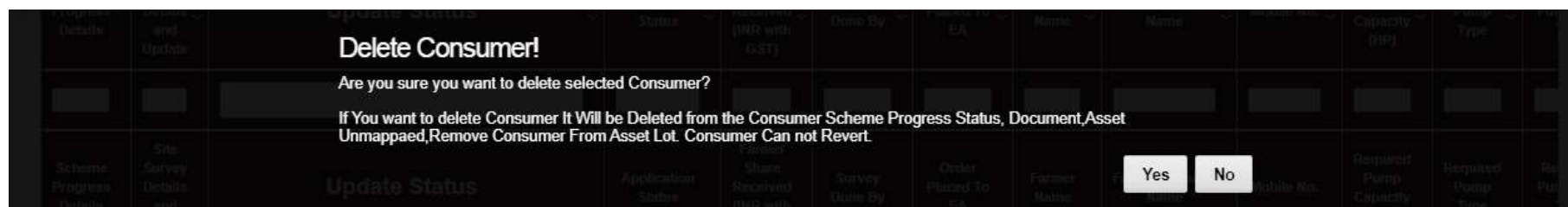


FIGURE 96 CONFIRMATION SCREEN TO DELETE ALL UPDATED CONSUMER/FARMER APPLICATION STATUS

- 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 95) and 2. Application Status wise. (highlighted in red in above Figure 95)

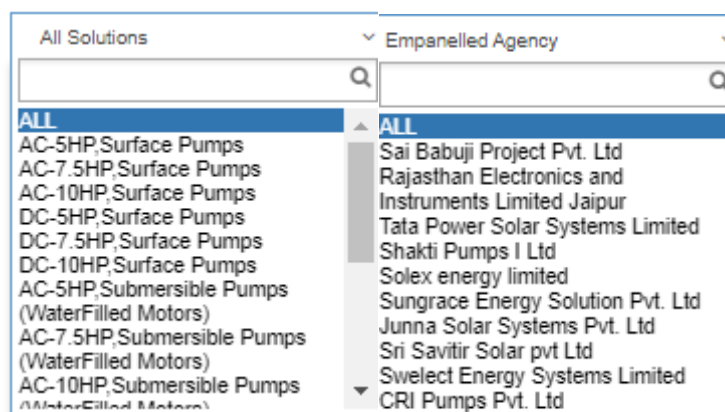


FIGURE 97 FILTER 1 SOLUTION & EMPANELLED AGENCY

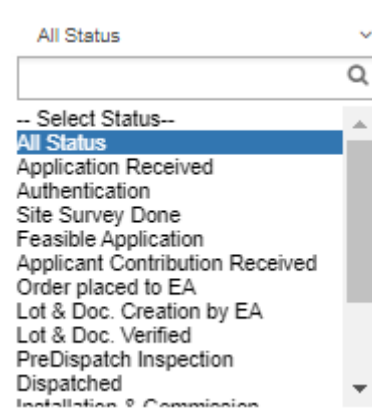


FIGURE 98 FILTER 2 EMPANELLED AGENCY

- 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 95)
- 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 99.

Download Data ✕

Select District

ANUGUL ▼

Select Capacity

ALL Capacity ▼

Select Status

ALL ▼

Empanelled Agency

ALL ▼

Close
Download Excel

FIGURE 99 DOWNLOAD DATA FILTERS SCREEN

- 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 95)

➤ CSV file output - as shown in Figure 100 & Figure 101

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
sara_id	Applicatio	Empanell	Name of E	Gender	Category	Caste	Mobile N	Aadhar A	Location E	Village of	District of	Initial Lat	Initial Lon	Required	Pump Sub	Pump Cap	SPV Mod	Pump Mal	Mo
OD/PMKU	OD/PMKUSUM-B/01	GautamSa	Male	Farmer	General	8.98E+09	Yes			ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKUSUM-B/01	UgrasenSa	Male	Farmer	General	9.86E+09	Yes		Podapada	ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKUSUM-B/01	Duryodha	Male	Farmer	General	9.78E+09	Yes		Podapada	ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKUSUM-B/01	AmiyaBhu	Male	Farmer	General	8.66E+09	Yes		Podapada	ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKUSUM-B/01	KeshabaC	Male	Farmer	General	9.35E+09	Yes		Podapada	ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKUSUM-B/01	SudhakarC	Male	Farmer	General	9.08E+09	Yes		Podapada	ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKU	Tata Powe	LokanathF	Male	Farmer	General	9.18E+09	Yes		ANUGUL				DC	Submersi	3	3		
OD/PMKU	OD/PMKUSUM-B/05	BIJAYAKU	Male	WaterUse	General	7.97E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	GAGANSA	Male	WaterUse	General	3.87E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	PRAFULA	Male	WaterUse	General	7.44E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	RANJANN	Male	WaterUse	General	5.05E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	RADHAMC	Male	WaterUse	General	8.64E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	KISHOREC	Male	WaterUse	General	4.35E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	PRAFULLA	Male	WaterUse	General	5.52E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	CHERUDE	Male	WaterUse	General	4.94E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	SRIMUKHA	Male	WaterUse	General	7.98E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	PADMACH	Male	WaterUse	General	8.33E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	RAMESHC	Male	WaterUse	General	9.94E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	ISWARSAR	Male	WaterUse	General	9.86E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PMKU	OD/PMKUSUM-B/05	KANDARP	Male	WaterUse	General	9.94E+09	Yes			ANUGUL				DC	Submersi	3	3.015		
OD/PM KU	OD/PM KUSUM-B/61	aarvi	Female	Farmer	Open	8.87E+09	Yes		Amantapu	ANUGUL				AC	Submersi	5	4.8		
1.23E+08	1.23E+08		Ajay	Male	Farmer	General	9.86E+09	Yes		ANUGUL				AC	Submersi	3	0		

FIGURE 100 DETAILS DASHBOARD CSV FILE (I)

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	Location Taluka	Location Block	Gender	Application Applicant	Land Cover	Irrigation	Source Of	Water Dep	SpvCapaci	SPVCapaci	Grid Conn	Existing Pu	Source Of	IMEI	PumpSerialNo	PumpControllerSerialNo	Sc
2	Ajnala		Male	Small Farm Open	1	Irrigation	Bore Well	0	0	0		No	Others	1.21233E+14			
3	Ajnala		Male	Others SC/ST	2	MicroIrrig	Bore Well	0	0	0		No	Others	2.33233E+14			
4	Ajnala		Male	Small Farm SC/ST	1	Irrigation	Bore Well	0	0	0		No	Others	1.21233E+14			
5	Ajnala		Male	Small Farm SC/ST	1	MicroIrrig	Bore Well	0	0	0		No	Others	1.21233E+14			
6	Ajnala		Male	Small Farm Open	0	MicroIrrig	Bore Well	0	0	0		No	Diesel Pun	1.21233E+14			
7	Ajnala		Female	Others Open	6	Irrigation	Open Well	0	0	0		No	Others	1.21233E+14			
8	Ajnala		Male	Small Farm Open	2	Irrigation	Bore Well	0	0	0		No	Others	1.21233E+14			
9	Ajnala		Female	Marginal F SC/ST	0	MicroIrrig	Bore Well	0	0	0		No	Others	1.21233E+14			

FIGURE 101 DETAILS DASHBOARD CSV FILE (II)

➤ Excel file output - as shown in Figure 102, Figure 103 & Figure 104

	A	B	C	D	E
1					
2	Update Status	Application Status	Farmer Share Received (INR with GST)	Survey Done By	Order Placed To EA
3	Farmer Share Update	Authentication			
4	Farmer Share Update	Authentication			
5	Farmer Share Update	Authentication			
6	Farmer Share Update	Authentication			
7	Order to EA Update 18-06-2020	Order placed to EA	71384	Solex energy limited	Solex energy limited
8	Order to EA Update 19-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
9	Order to EA Update 19-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
10	Farmer Share Update	Site Survey Done		CRI Pumps Pvt. Ltd	
11	Order to EA Update 17-11-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
12	Farmer Share Update	Order placed to EA		CRI Pumps Pvt. Ltd	Swelect Energy Systems Limited
13	Order to EA Update 02-09-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
14	Order to EA Update 05-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
15	Order to EA Update 19-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
16	Order to EA Update 05-06-2020	Order placed to EA	148598	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd
17	Farmer Share Update	Authentication		Sri Savitir Solar pvt Ltd	
18	Farmer Share Update	Authentication			
19	Farmer Share Update	Authentication			
20	Farmer Share Update	Authentication			
21	Farmer Share Update	Authentication		Tata Power Solar Systems Limited	
22	Farmer Share Update	Authentication			
23	Farmer Share Update	Authentication			
24	Farmer Share Update	Authentication			
25	Farmer Share Update	Authentication			
26	Order to EA Update 01-12-2020	Order placed to EA	71384	Sri Savitir Solar pvt Ltd	Sri Savitir Solar pvt Ltd
27	Order to EA Update 01-12-2020	Order placed to EA	104871	Sri Savitir Solar pvt Ltd	Sri Savitir Solar pvt Ltd
28	Order to EA Update 01-12-2020	Order placed to EA	71384	Sri Savitir Solar pvt Ltd	Sri Savitir Solar pvt Ltd
29	Farmer Share Update	Authentication		CRI Pumps Pvt. Ltd	
30	Order to EA Update 19-06-2020	Order placed to EA	151260	CRI Pumps Pvt. Ltd	CRI Pumps Pvt. Ltd

FIGURE 102 DETAILS DASHBOARD EXCEL FILE (I)

	F	G	H	I	J	K	L	M
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
3	S.Ganesan, P.Vijayalakshmi	Sivasamy	9486034861		5 DC	Submersible	WaterFilled	Ajn
4	S.Chandraprabha	T.V.Selvarajan	9363261644		5 DC	Submersible	WaterFilled	Ajn
5	S.Venkatesh	V.Sivaraman	9442248485		5 DC	Submersible	WaterFilled	Ajn
6	M.Baby	Manoharan	9244499771		5 DC	Submersible	WaterFilled	Ajn
7	Mahalakshmi	Sivalingam	9944908775		5 AC	Submersible	WaterFilled	Ajn
8	Aruchamy	Perumal Gr	9791751300		10 AC	Submersible	Oilfilled	Ajn
9	Kubendhiran	Subramniya Gr	9976767690		10 AC	Submersible	Oilfilled	Ajn
10	G Sakthivel	Ganapathyappan	9842258083		10 AC	Submersible	Oilfilled	Ajn
11	Subramanian	Arumugam	9360297450		10 AC	Submersible	Oilfilled	Ajn
12	V Thangavel	Vellappa Gounder	9865286850		10 AC	Submersible	Oilfilled	Ajn
13	Saranya	Bhavan	7339311411		10 AC	Submersible	Oilfilled	Ajn
14	MADHU P	PERIYASAMY	9944244442		10 AC	Submersible	Oilfilled	Ajn
15	U.Krishnamoorthy	Uthandi	8903159375		10 AC	Submersible	Oilfilled	Ajn
16	S.Viswanatha Bharathi	C.Selvaraj	9585823459		10 AC	Submersible	Oilfilled	Ajn
17	Ganesan	Ramasamy	9486394829		5 AC	Submersible	WaterFilled	Ajn
18	bharathamani	ayyasamy	9442161074		5 DC	Submersible	WaterFilled	Ajn
19	Allahyiddin basha	Abdul munaf	9597362805		5 DC	Submersible	WaterFilled	Ajn
20	dev anand	Vijayan	7502843334		5 DC	Submersible	WaterFilled	Ajn
21	Ramathal	Palaniswamy	8072972064		5 DC	Submersible	WaterFilled	Ajn
22	Mahesh	Gangeswaran	9620412350		5 DC	Submersible	WaterFilled	Ajn
23	Sivanantham	Subbu	9965877688		5 DC	Submersible	WaterFilled	Ajn
24	Thirumathal	Nagamuthusamy	9688023392		5 DC	Submersible	WaterFilled	Ajn
25	Padma Kumar	Venkatasamy	975161975		5 DC	Submersible	WaterFilled	Ajn
26	Annadurai	Perumal	9843383771		5 AC	Submersible	WaterFilled	Ajn
27	Rangan	Maruthan	9843817954		7.5 DC	Submersible	WaterFilled	Ajn
28	Narayanan	Nagamooan	7639792667		5 AC	Submersible	WaterFilled	Ajn
29	Varadaraj	sundaragovundar	9843545265		10 AC	Submersible	Oilfilled	Ajn
30	Priya	Sivanupandiyar	9943166229		10 DC	Submersible	Oilfilled	Ajn

FIGURE 103 DETAILS DASHBOARD EXCEL FILE (II)

	N	O	P	Q	R	S	T	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

FIGURE 104 DETAILS DASHBOARD EXCEL FILE (III)

➤ PDF file output - as shown in Figure 105

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 Ltd		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 105 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 95)

Capacity (HP)	Pump Type	Pump Sub Type	Pump
	AC	Submersible	Water
	DC	Submersible	Water
	AC	Submersible	Water
	AC	Submersible	Water
	DC	Surface	Water
	DC	Submersible	Water
	DC	Submersible	Water

FIGURE 106 SHOW / HIDE COLUMNS FILTER



- In Figure 95, 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 107)

Scheme Progress Of: [RANJANNAYAK](#) ×
 Application No: [OD/PMKUSUM-B/0557](#)
 Mobile No: [5054479088](#)

Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	Application Received	04-11-2022	9852614369	1234567890
2	Site Survey by EA			
3	Feasible Applications			
4	Farmer Share Received			
5	Order placed to EA			
6	Lot & Doc. Creation by EA			
7	Lot Verification by SNA			
8	PreDispatch Inspection			
9	Dispatched			
10	Installation by EA			
11	Installation Verification by SNA			
12	SFA Released			
13	CFA Released			
14	Application Rejected			
15	On Hold			

FIGURE 107 SCHEME PROGRESS REPORT FOR CONSUMER/FARMER

- Similarly, by clicking on the icon (highlighted in purple in Figure 95) 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	

ReSiteSurvey Hold Accept Reject

FIGURE 108 SITE SURVEY DETAIL OF CONSUMER/FARMER

- At the end of the report form, user can see 4 button options (in above Figure 108) – 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 109

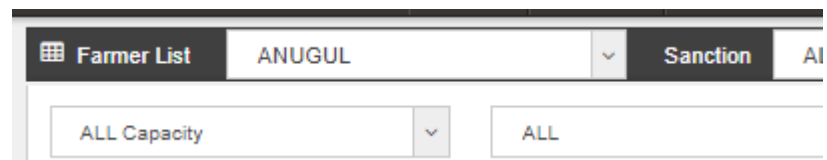


FIGURE 109 DETAILS

- 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 110)

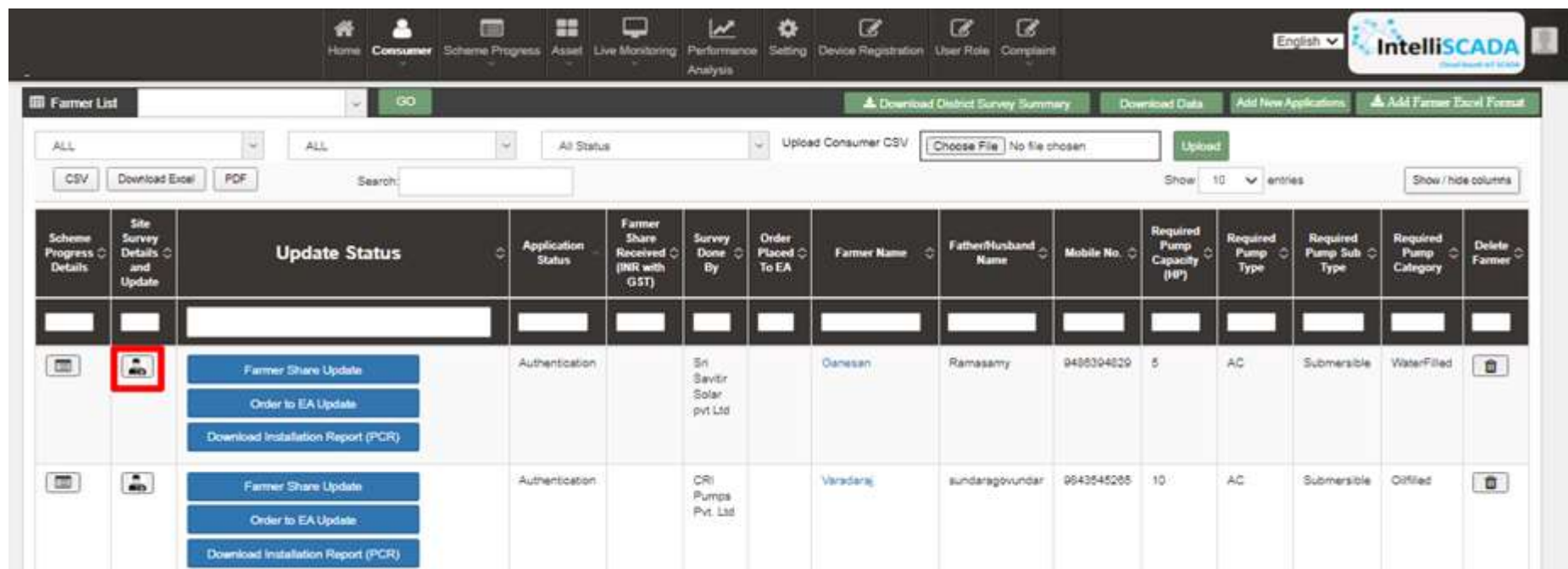


FIGURE 110 DETAILS DASHBOARD

- User has to click on the user icon (highlighted in red in above Figure 110).

Scheme Progress Of: [RANJANNAYAK](#)

Application No: [OD/PMKUSUM-B/0557](#)

Mobile No: [5054479088](#)

×

Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	Application Received	04-11-2022	9852614369	1234567890
2	Site Survey by EA			
3	Feasible Applications			
4	Farmer Share Received			
5	Order placed to EA			
6	Lot & Doc. Creation by EA			
7	Lot Verification by SNA			
8	PreDispatch Inspection			
9	Dispatched			
10	Installation by EA			
11	Installation Verification by SNA			
12	SFA Released			
13	CFA Released			
14	Application Rejected			
15	On Hold			

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	

ReSiteSurvey Hold Accept Reject

FIGURE 111 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 112)

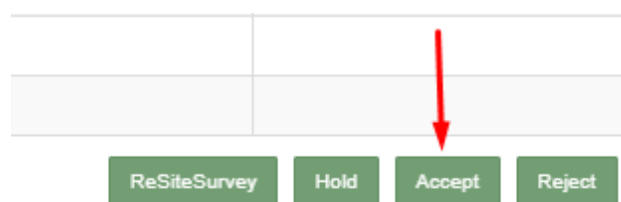


FIGURE 112 APPLICATION ACCEPT BUTTON

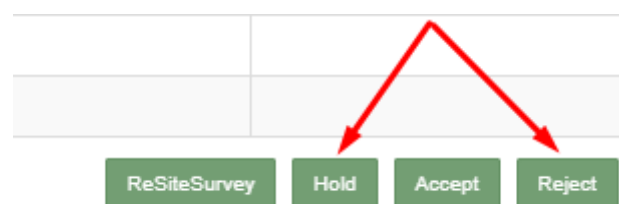


FIGURE 113 APPLICATION HOLD-REJECT BUTTON

- 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 113) and have to give the reason for the same.

Add Reason For

×

Note: (MaxLength 500 Character)

Close

Save

FIGURE 114 REASON FOR APPLICATION HOLD/REJECT

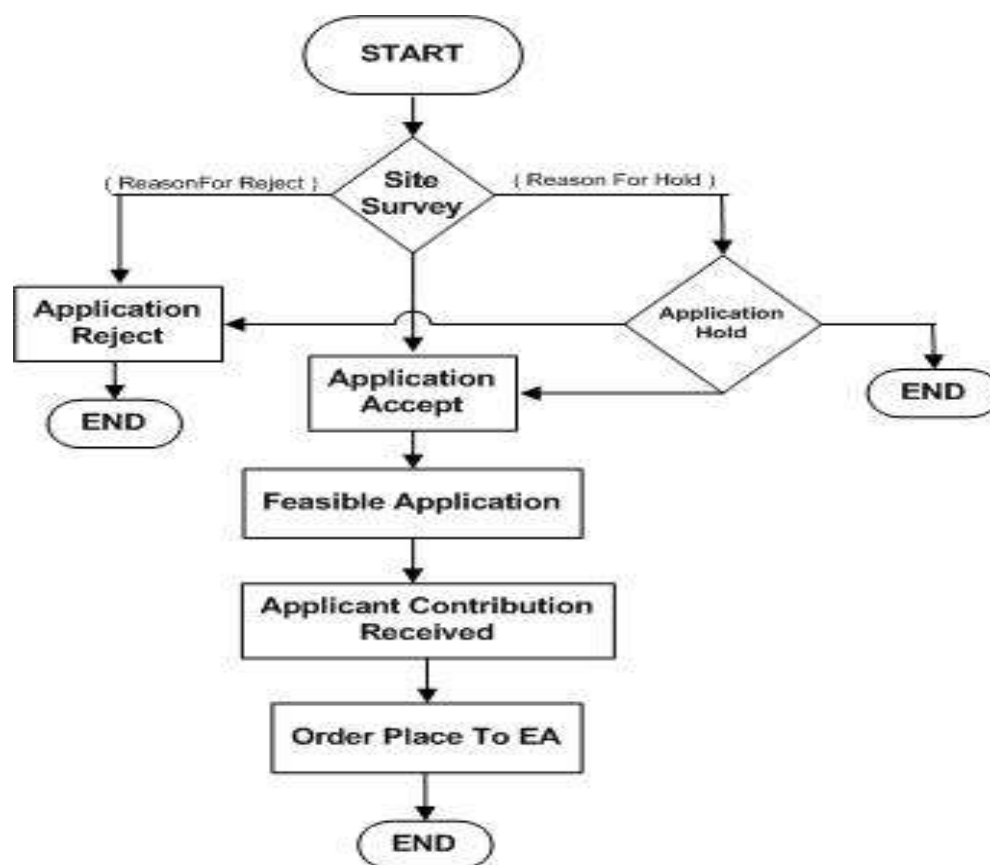


FIGURE 115 FARMER APPLICATION FLOW CHART

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 :-
 - Sign in on the State SEDM Portal
 - Click on the “Details” on Consumer Module as shown in below figure

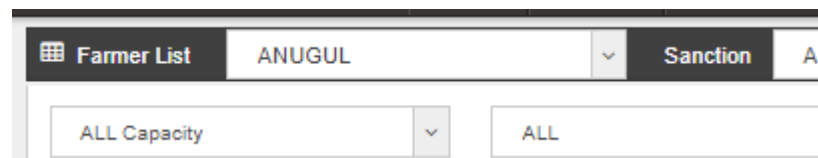


FIGURE 116 DETAILS

- 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 117)

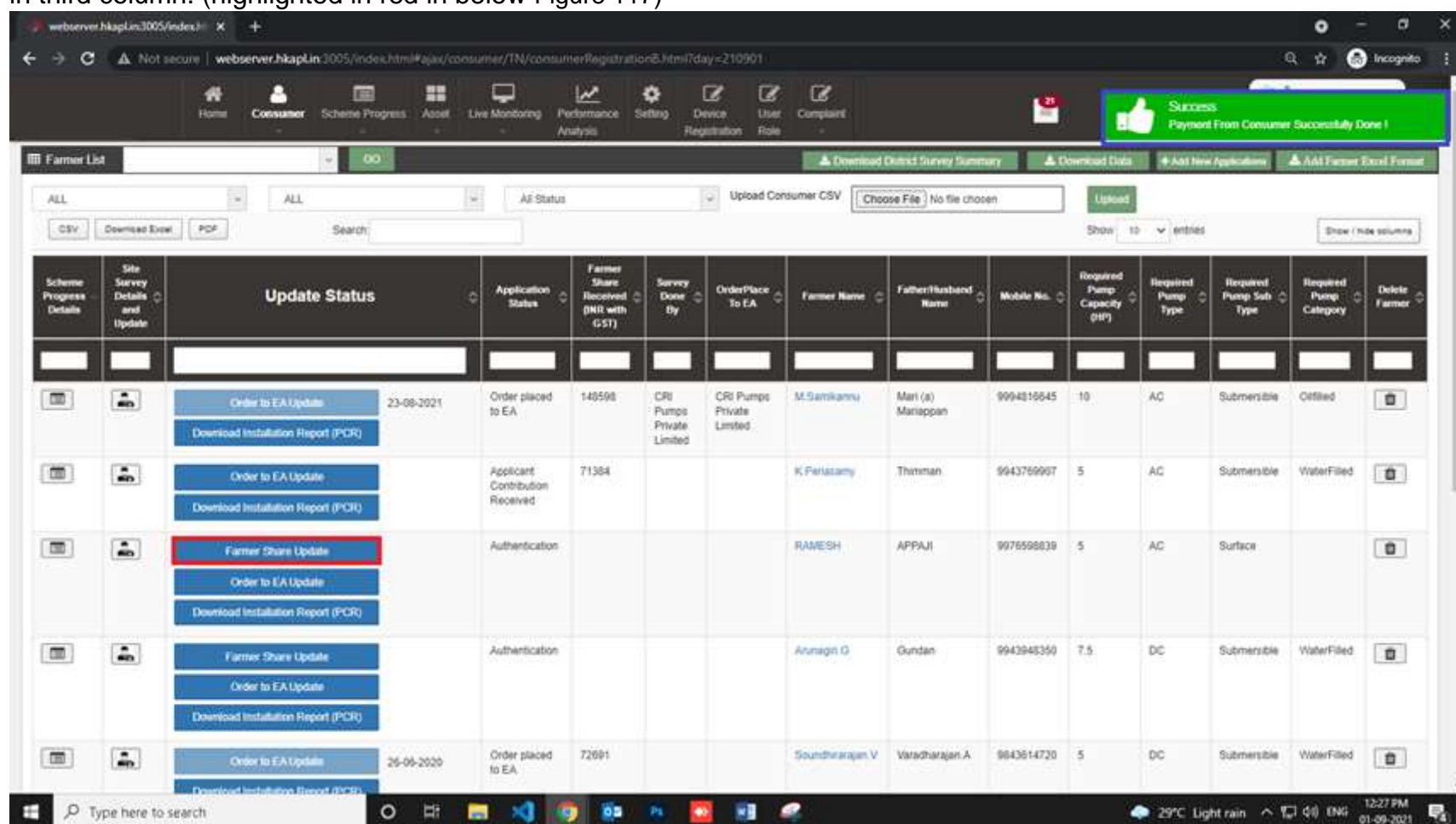


FIGURE 117 UPDATED FARMER SHARE RECEIVED

- User has to click on “Farmer Share Update” button (highlighted in red in Figure 117) 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 117)

NOTE: To update status “Farmer Share Received” in **bulk** i.e. of multiple consumers/farmers at once, click [here](#) to know more.

16. ORDER PLACED TO EMPANELLED AGENCY (EA)

- Below are the authorized users for Order Placed to EA :
 - State Implementing Agency (SIA)
 - o Sub Division Officer (SDN)
 - o 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 118 Details

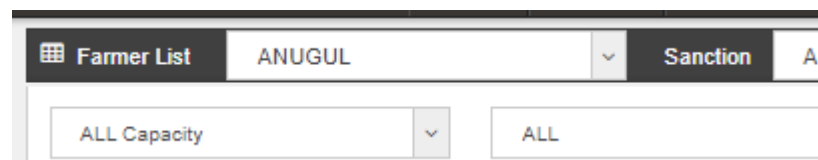


FIGURE 118 DETAILS

- 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)

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 (HP)	Required Pump Type	Required Pump Sub Type	Required Pump Category	Delete Farmer
		Order to EA Update Download Installation Report (PCR)	Site Survey Done		CRI Pumps Pvt. Ltd		Nithyanantham	Rangasamy	9842236309	10	AC	Submersible	Oiled	
		Farmer Share Update Order to EA Update Download Installation Report (PCR)	Site Survey Done		CRI Pumps Pvt. Ltd		Sathiskumar	Arumugam	9600094949	10	AC	Submersible	Oiled	

FIGURE 119 DETAILS DASHBOARD

- User has to click on “Order to EA Update” button (highlighted in red in above Figure 119) 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 120)

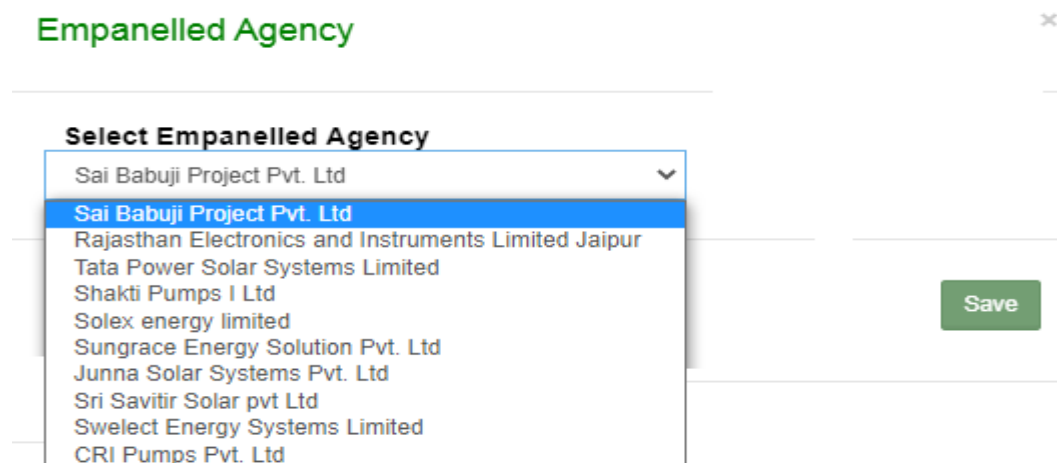


FIGURE 120 ASSIGN EA TO THE CONSUMER/FARMER.

- 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.

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 (HP)	Required Pump Type	Required Pump Sub Type	Required Pump Category	Delete Farmer
		Order to EA Update 14-07-2021 Download Installation Report (PCR)	Order placed to EA		CRJ Pumps Pvt. Ltd		Nithyanantham	Rangasamy	9842239309	10	AC	Submersible	Oiltied	
		Farmer Share Update Order to EA Update Download Installation Report (PCR)	Site Survey Done		CRJ Pumps Pvt. Ltd		Sathiskumar	Anumagam	9800094949	10	AC	Submersible	Oiltied	

FIGURE 121 UPDATED ORDER PLACE TO EA

- 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 121 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 121) 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 [here](#) 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 “[Asset Model Numbers](#)”, its “[Manufacturer](#)” details and “[SubLocation of Under Inspection Store](#)” 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

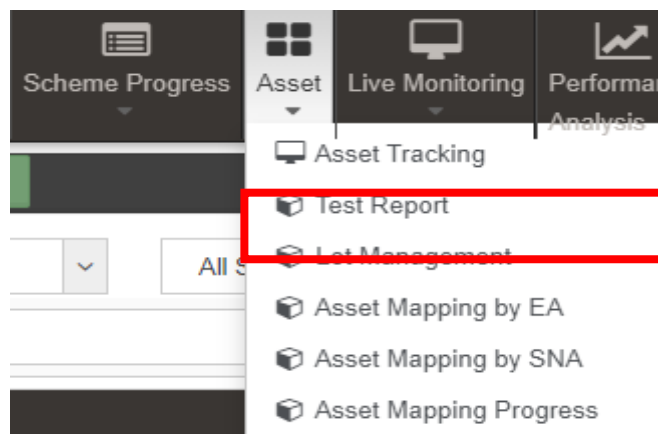


FIGURE 122 TEST REPORT

- 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.

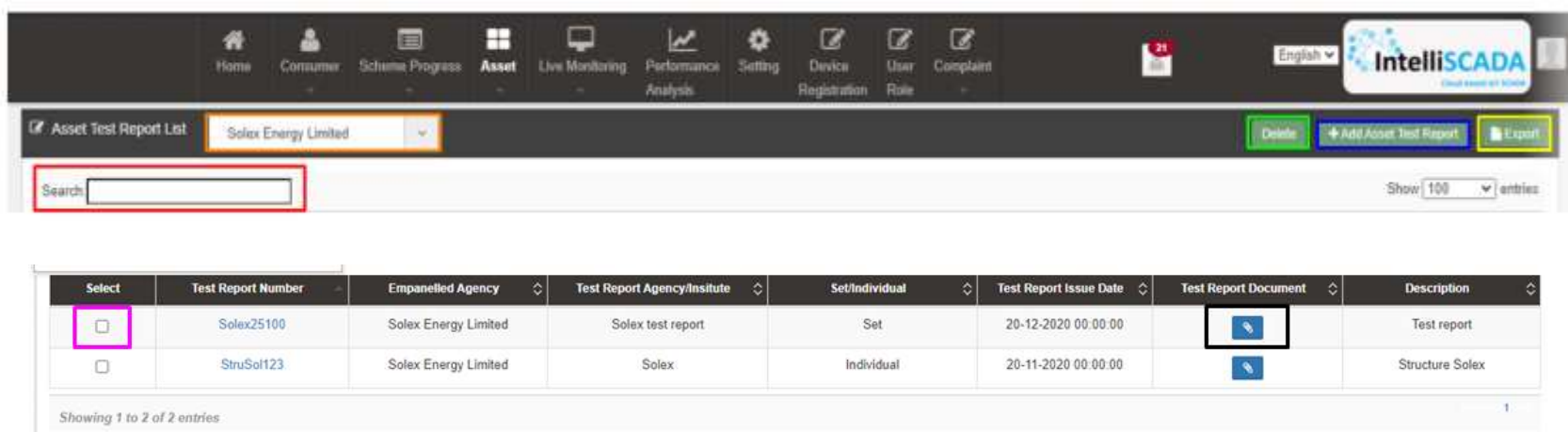


FIGURE 123 ASSET TEST REPORT

Table 45 ASSET TEST REPORT DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	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* Junna Solar Systems Pvt Ltd

Select Set/Individual* Set

Description Description

Test Report Issue Date* This field is required.

Test Report Document* Choose File No file chosen Enter Test Report Document

Test Report Number* Test Report Number Enter Test Report Number

Test Report Agency/Institute* Test Agency Name Enter Test Report Agency Name

Component* Component B - Off Grid Solar Pump

Pump

Pump Type* Please Select Please Select Pump Type

Pump Sub Type* Please Select Please Select Pump Sub Type

Pump Category* Please Select Please Select Pump Category

Pump Capacity* Please Select Please Select Pump Capacity

Manufacturer* Please Select Please Select Pump Manufacturer

Model No.* Please Select Please Select Product

Serial No. Serial Number

Solar Panel(Module)

Solar Panel Capacity (watts)* Enter Solar Capacity Please Select Solar Capacity

Manufacturer* Please Select Please Select Solar Manufacturer

Model No.* Please Select Please Select Product

Serial No.

Pump Controller

Manufacturer* Please Select Please Select PumpController Manufacturer

Model No.* Please Select Please Select Product

Serial No. Serial Number

Cancel Save

FIGURE 124 ADD ASSET TEST REPORT

Table 46 ASSET TEST REPORT FIELD DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandator y 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	-	✓	MRTCTP09320200111	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
Pump Sub Type	Drop Down	- Submersible - Surface	✓	Submersible	Selection of relevant Pump Sub Type
Pump Category	Drop Down	- Water Filled - Oil 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					
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 Controller					
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

Empanelled Agency Sri Savitir Solar pvt Ltd	Select Set/Individual Set Set Individual	Test Report Document Choose File No file chosen
Description Set Report	02/07/2021	
Test Report Number MRTC34276	Test Report Agency MAXOP	Component Off Grid Solar Pump

Pump

Pump Type AC	Pump Sub Type* Submersible	Pump Category* Water Filled
Pump Capacity 5 HP	Manufacturer M/s. Suguna Industries.	Model No. SSAC SRF 7.5
Serial No. Serial Number		

Solar Pannel

Solar Panel Capacity (watts) Enter Solar Capacity	Manufacturer Please Select	Model No.* Please Select
Serial No. <input type="text"/>		

Pump Controller

Manufacturer Please Select	Model No. Please Select	Serial No. Serial Number
-------------------------------	----------------------------	-----------------------------

FIGURE 125 SET REPORT

- By selecting “Set” in Select Set/Individual dropdown (highlighted in red in above Figure 125), 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

The screenshot shows a web form titled "Add New Test Report" with a close button (X) in the top right corner. The form is divided into two main sections: "Test Report Information" and "Pump".

Test Report Information:

- Empanelled Agency:** Sri Savitir Solar pvt Ltd (dropdown)
- Description:** Set Report (text input)
- Test Report Number:** MRTC34276 (text input)
- Test Report Agency:** MAXOP (dropdown)
- Component:** Off Grid Solar Pump (dropdown)
- Select Set/Individual:** Individual (dropdown, highlighted in red)
- Select Asset Type:** Pump (dropdown, highlighted in blue)
- Date:** 02/07/2021 (text input)

Pump:

- Pump Type:** AC (dropdown)
- Pump Capacity:** 5 HP (dropdown)
- Serial No.:** Serial Number (text input)
- Pump Sub Type*:** Submersible (dropdown)
- Manufacturer:** M/s. Suguna Industries. (dropdown)
- Pump Category*:** Water Filled (dropdown)
- Model No.:** SSAC SRF 7.5 (dropdown)

At the bottom right of the form, there are two buttons: "Cancel" and "Save".

FIGURE 126 INDIVIDUAL REPORT

- By selecting “Individual” option in Select Set/Individual dropdown (highlighted in red in above Figure 126), 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 126, 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

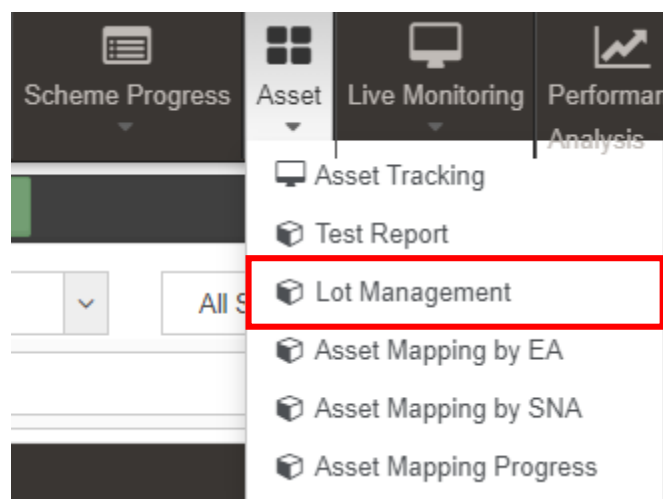


FIGURE 127 LOT MANAGEMENT OPTION

- 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

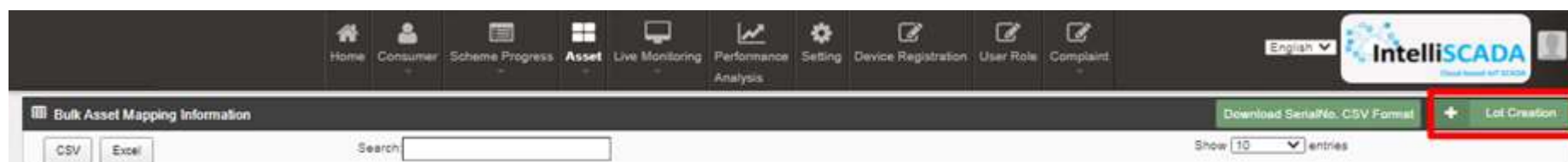


FIGURE 128 LOT CREATION BUTTON

- 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 128). After clicking onto the button, a window screen appears (shown in Figure 129) in which user must enter all the details and attach the required documents for necessary verification process.

The image shows a screenshot of the 'Bulk Asset Add' window. The window title is 'Bulk Asset Add'. Inside the window, there is a 'Bulk Asset Mapping' section with a progress bar showing five steps. Step 1, 'Lot Details', is currently active. The form contains several fields: 'Lot Ref No*' (text input), 'Lot Name*' (text input), 'Tender*' (dropdown menu), 'Inspection Call Date*' (text input), 'Inspection Call Letter' (file upload button), 'SubLocation Of UnderInspection Store*' (dropdown menu), 'Select Test Report*' (dropdown menu), 'Asset Type*' (dropdown menu), 'Manufacturer*' (text input), 'Model No.*' (text input), 'Quantity*' (text input), 'Select New Asset/Agency Store' (dropdown menu), 'Select SerialNo Input/CSV' (dropdown menu), and 'Serial No.*' (text input). A green 'Add Asset' button is located on the right side of the form. A blue box highlights the 'Select Test Report*' dropdown, and a yellow box highlights the 'Add Asset' button. A note at the bottom of the form reads: '(Note: Enter Comma Separated Serial Numbers)'. The window has a close button (X) in the top right corner.

The screenshot displays the 'Lot Form' interface. At the top, there are three filter dropdowns: 'Select District*' (highlighted with a red box and showing 'District Not Selected'), 'Select Capacity*' (showing 'Capacity Not Selected'), and 'Select Farmer Having Status*'. A green 'Go' button is positioned to the right of these filters. Below the filters, the interface is divided into two columns: 'Non-selected Applications' and 'Selected Applications'. Each column contains a search bar and a list area. The 'Non-selected Applications' list has buttons for '→→ (Move All)' and '→ (Move Selected)'. The 'Selected Applications' list has buttons for '← (Remove Selected)' and '←← (Remove All)'. A 'Next' button is located at the bottom right of the interface.

FIGURE 129 LOT FORM

Table 47 LOT FIELD DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandator y 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	- BALESHWAR ,ODISHA - BHADRAK,ODISHA - MSME ,ODISHA	✓	MSME ,ODISHA	Selection of Under Inspection Store where assets are inspected. To register Sub Location of Under Inspection Store, click EA Store Under 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 Serial No. CSV	File Upload	-	✓	Asset Serial No..csv	-
Serial No.	Numerical	-	✓	SRNO1, SRNO2	Ensure Unique Serial nos are provided against each Asset Type, Model & Manufacturer
Add Asset	Button	-	✓	-	Click here to add new Asset Type to be included in Lot
Select District	Drop Down	- CACHAR - BAKSA - BARPETA	✓	DECGARH	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 Farmer Having Status	Autofill	-	✓	Order Placed to EA	Only list of farmers whose order has been placed and has not been 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 130 :

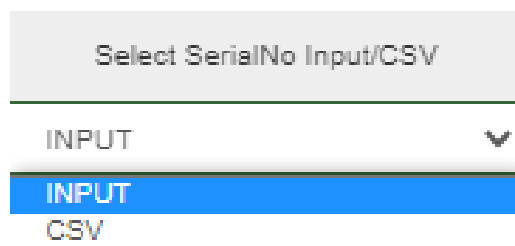


FIGURE 130 SELECT INPUT/CSV DROPDOWN

- After selecting “Input” EA user has to enter comma separated Serial nos.in “Serial No.” field as shown in below Figure 131:

FIGURE 131 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 132) in Lot Management dashboard.

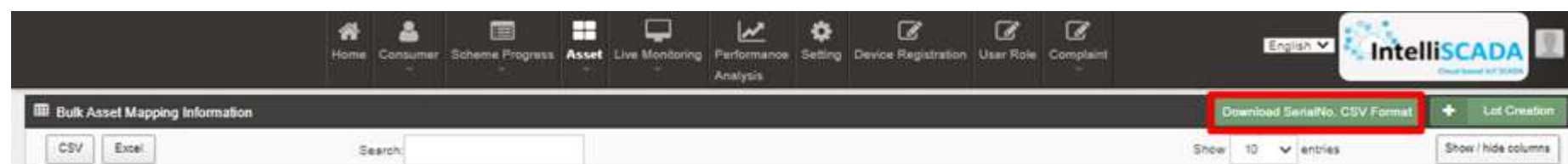


FIGURE 132 SERIAL NO. CSV FORMAT BUTTON

	A	B	C	D	E	F
1	SerialNo.					
2	12121					
3	21212					
4	32333					
5	23233					
6						
7						
8						
9						
10						

FIGURE 133 SERIAL NO CSV FILE

- Above shown Figure 133 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 133 from the 2nd Row and has to enter their own asset serial number.

Select District*

District Not Selected ▾

Select Capacity *

Capacity Not Selected ▾

Select Farmer Having Status*

▾

Go

FIGURE 134 FILTERS TO FETCH OUT CONSUMER/FARMER'S APPLICATION NUMBERS

- In the above Figure 134, 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.

FIGURE 135 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.

FIGURE 136 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 136.
- When the user will click on the “Next” button, window of assets checklist will occur as shown in below Figure 137.
- These checklists are configured by SIA from setting tab.

✓ Bulk Asset Mapping

1 Lot Details 2 Pump 3 Solar Panel 4 Pump Controller with RMS 5 Structure

Step 2 - Pump CheckList Details

No.	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Pump and all external parts of motor be of S304 grade or higher	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Name Plate as per IS14286/IEC61215I	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Min. pressure rating of 8 kg/sqcm-PE100 grade for pumps up to 3 HP, 10 kg/sqcm-PE100 grade for 5 HP	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Insulation Resistance Test as per IS Standard	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	High Voltage Test as per IS Standard	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	Leakage Current Test as per IS Standard	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	Constructional requirement/features, General Requirements, Design features	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	Indigenous manufactured for motor pump set	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	MARKING AND PARAMETERS TO BE DECLARED BY THE MANUFACTURER	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

I, COIMBATORE declare that all the information submitted by me in the application form is correct, true and valid

Next

FIGURE 137 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 137) and click on the “Next” button. (highlighted in blue in above Figure 137)
- After clicking on the “Next” button, next asset checklist window will appear as shown in below Figure 138, Figure 139 and Figure 140 .

✓ Bulk Asset Mapping

Step 3 - Solar Panel CheckList Details

No.	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Certificates as per IS 14286/IEC 61215 specifications/equivalent National/International/ Standards	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Qualify to IS/IEC 61730	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Module Efficiency as measured >15%	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Fill factor	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	Modules - qualify to IEC TS 62804-1:2015	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	IEC TS 61701:2011 for salt mist corrosion test for coastal area installation	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	Name Plate conform to IS 14286/IEC 61215I	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	Module to Module wattage mismatch	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	Variation in overall SPV array wattage from the specified wattages shall be within zero percent to +10 percent.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
10	PV Modules warranted for output wattage	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
11	Indigenous manufactured for Solar Panel	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
12	RFID Tag Inside/Outside	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

I, 9952380955 declare that all the information submitted by me in the application form is correct, true and valid

Next

FIGURE 138 SOLAR PANEL CHECKLIST

✓ Bulk Asset Mapping

Step 4 - Pump Controller with RMS CheckList Details

No.	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Maximum Power Point Tracker (MPPT)	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	SPV Controller must have IP (65) protection	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Adequate protections Dry Running Open Circuit Accidental output short circuit Under voltage reverse polarity, SPD to arrest high surge current Lightning Arrestor	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	DC Circuit Breaker as per IS/IEC 60947-2	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	All cables as per IS694/IS14536	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	Controller shall be integrated with GSM/GPRS Gateway with Geo tagging	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	Marking and Parameters to be declared by the Manufacturer	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	RMS Local Communication with Pump controller	RS 485 Modbus R <input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	Local Connectivity-Ethernet / Bluetooth / Wi-Fi connectivity for configuration and local data retrieval	Bluetooth <input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
10	Message Format- JSON message required by respective SNA	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
11	Communication Protocols- MQTT	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
12	GPS Module for Real Time Longitude –Latitude requirement	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
13	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)	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
14	RMS shall have Digital Inputs	<input type="text" value="2"/> [2 - >=]	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
15	RMS's Analog Inputs of 0.1% FSR accuracy (Upload Calibration Certificate)	<input type="text" value="2"/> [2 - >=]	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
16	RMS shall have Digital output to give the Remote On/Off command to pump controller through farmer mobile application	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
17	Remote Configuration to Update Data logging interval, Data logging Parameter , Set points for Alarms & events, Server Configuration etc	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
18	Communication Security-TLS/SSL, Certification, Authentication, Encryption, Authorization	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
19	RMS will Provide Pump Run hours & water discharge output	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

I, 9952380955 declare that all the information submitted by me in the application form is correct, true and valid

Next

FIGURE 139 PUMP CONTROLLER CHECKLIST

Bulk Asset Update ✕

Bulk Asset Mapping

✔ Lot Details
✔ Pump
✔ Solar Panel
✔ Pump Controller with RMS
5 Structure

Step 5 - Structure CheckList Details

No.	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Withstand load of modules & high wind velocity up to 150 kmh	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Raw material test certificates (MTC)	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	The raw material used and process for manufacturing of module mounting structure including welding of joints should conform to applicable IS	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Mounting structure -Hot dip galvanized according to IS 4759. Zinc content area < 99.5%	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	Structure fitment - S 5304 or 8.8 grade	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	Antifit Bolt of S5304 grade to locked modules	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

I, COIMBATORE declare that all the information submitted by me in the application form is correct, true and valid

Finish

FIGURE 140 STRUCTURE CHECKLIST

- After verifying checklist of all assets, EA user has to click on the “Finish” button (highlighted in red in above Figure 140) 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 141) to change the PDI status of all selected consumers/farmers.

Checklist & Doc. Submitted by EA	←
Lot Verification	-
PDI Report Upload by EA	-
Dispatch by EA	-

FIGURE 141 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 142), 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.

Bulk Asset Mapping Information												Download SerialNo. CSV Format	+ Lot Creation
CSV	Excel	Search:		Show	10	entries	Show / hide columns						
Consumer Details	Update Status	Lot Ref. No	Lot Name	Consumer Count	Asset Quantity	Test Report	Empanelled Agency Name	Tender Name	Inspection Call Date	Lot Created By	Action		
<ul style="list-style-type: none"> Consumer List Asset Serial Nos. Download PDI DOC 	<ul style="list-style-type: none"> Checklist & Doc. Submitted by EA Lot Verification by SNA PDI Report Upload by EA Dispatch by EA 	2498	Lot12	1	1	233333	Sri Savitir Solar pvt Ltd	Off Grid Solar Pump	08-07-2021	OA_Epc			
									15-07-2021				
									15-07-2021				
									15-07-2021				
									15-07-2021				

FIGURE 142 STATUS UPDATED

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

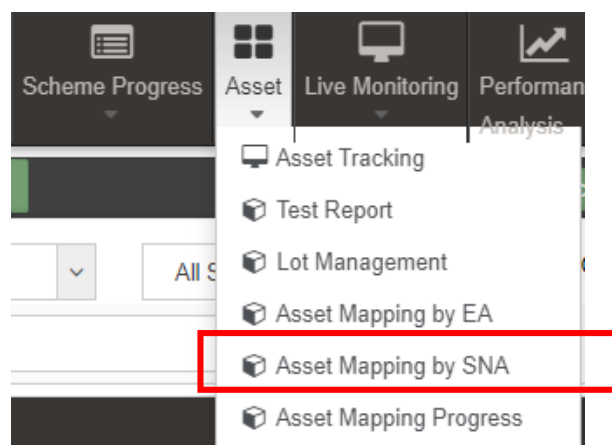


FIGURE 143 ASSET MAPPING BY EA OPTION

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

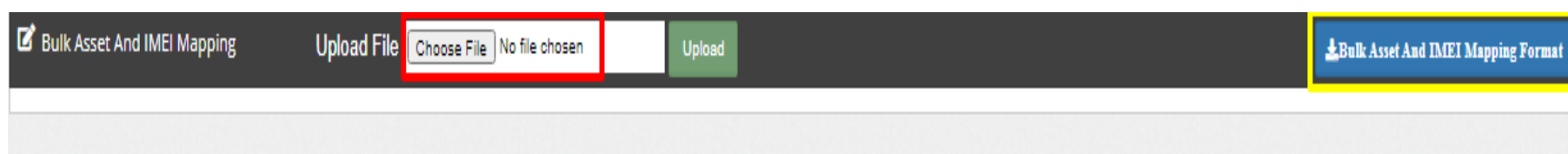


FIGURE 144 ASSET MAPPING IN BULK

- EA user can download “.xlsx” file format by clicking on “Bulk Asset and IMEI Mapping Format” button (highlighted in yellow in above Figure 144) 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 145.

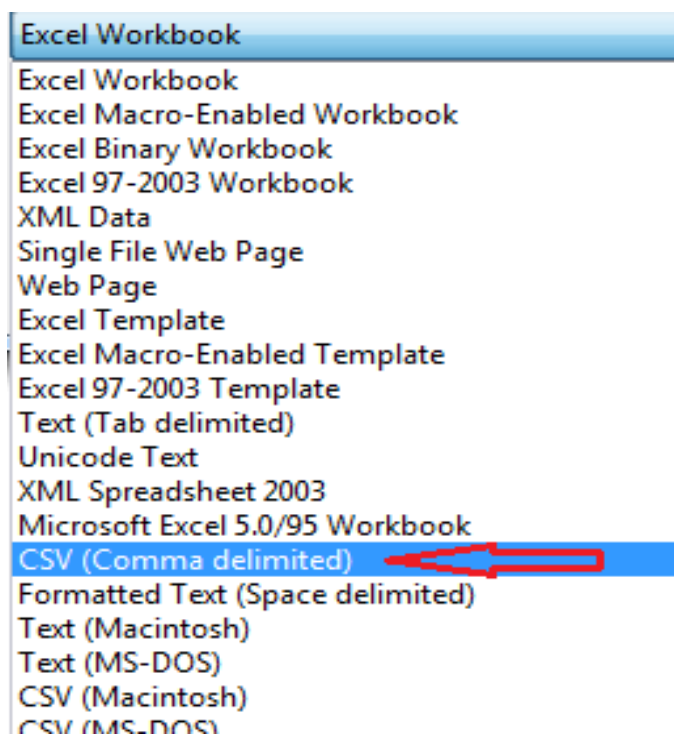


FIGURE 145 SAVE AS CSV (COMMA DELIMITED)

- After saving file as “.csv”, user has to upload that file in the choose file option. (highlighted in red in Figure 144)
- 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 146), 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 146) 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: Application No.:

Select District: ANUGUL Select Empanelled Agency: ALL Select Capacity: ALL Capacity Select Status: Order placed to EA

ConsumerList Consumer Info Asset Details RealTime History

CSV Excel Search:

S.No.	Application No.	Farmer Name	Father Name	Mobile No.	Empanelled Agency	Location District	Latitude	Longitude	Required Pump	Pump Sub IMEI No.Type	Pump Capacity(HP)	IMEI No.
1	OD/PMKUSUM-B/0253	LokanathPradhan		9178769517	Tata Power Solar Systems Limited	ANUGUL	20.47208	84.473124	DC	Submersible	3	861551046578310

Showing 1 to 1 of 1 entries

FIGURE 146 ASSET MAPPING BY EA DASHBOARD

- User can download CSV or Excel file (highlighted in green in Figure 146) 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 146)
- By clicking on to the farmer's Application no. (Highlighted in red in above Figure 146) user will be redirected to the Consumer Info tab as highlighted in red in below Figure 147.

The screenshot displays the 'Consumer Info' tab in the IntelliSCADA application. The consumer's name is 'Ankit'. Key details include:

- Application No:** PB/PM HUSUM-B/4385
- Mobile Number:** 9966311440
- Pump Details:** AC SHP Submersible
- Installation Verification Date:** (empty)
- Commissioning & Go Live Date:** (empty)

Four action buttons are visible below the consumer details:

- Asset Mapping
- IBE Mapping
- IBC Update
- Insurance update and Upload

The 'Site Info' section contains the following data:

- EMPANELLED AGENCY:** Tata Power Solar Systems Limited
- COMMUNICATION ADDRESS:**
 - ADDRESS:** DASDF
 - DISTRICT:** (empty)
 - TALUKA:** Ajnala
 - TOWN:** Aawan Basu (28)
- PIN CODE:** (empty)

The 'LOCATION ADDRESS' section contains the following data:

- DISTRICT:** (empty)
- TALUKA:** Ajnala
- TOWN:** Aawan Basu (28)
- LAND SURVEY NO.:** (empty)
- LAND COVERAGE(SQ MTR):** 0
- LATITUDE:** 20.11
- LONGITUDE:** 70.11

The 'PUMP DETAILS' section contains the following data:

- PUMP TYPE:** AC
- PUMP CAPACITY (hp):** 5
- PUMP SUBTYPE:** Submersible

The 'IRRIGATION DETAILS' section contains the following data:

- SOURCE OF WATER:** BoreWell
- IRRIGATION MODE:** Micro Irrigation
- IS SITE SUITABLE?:** No
- IS SOUTH FACING SHADOW FREE LAND AVAILABLE?:** No

FIGURE 147 CONSUMER INFO TAB

- In above Figure 147, 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 147), user can map asset serial nos. individually with the farmer as shown in below Figure 148. Only Assets with relevant capacity and which has been dispatched against lot can only be mapped against farmer.

Consumer Asset Mapping

Select Asset Type

Select Asset Type

Search Serial No. Serial .No

Search

Map

Search Lot Name Serial.No

Map

FIGURE 148 INDIVIDUAL ASSET MAPPING

- The second sub feature is “IMEI Number Mapping”. By clicking “IMEI Mapping” button (highlighted in blue in Figure 147), user can map new IMEI no. (as shown in below Figure 149), IMEI nos of own empanelled agency shall be available for mapping.

Consumer IMEI No. Replacement - 862818047715067

By Generating New IMEI No. From Existing Exchange

Select IMEI No:

Replace Close

FIGURE 149 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 147), a screen will appear (as shown in Figure 150) in which user has to upload below mentioned four photographs:
 - Foundation
 - Structure
 - PV System & Controller/Inverter
 - 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.

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 150 I & C PHOTOS

- User has to click on the "Upload Photo" (green button highlighted in red in above Figure 150) 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	

FIGURE 151 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 151) and user can also download the uploaded photo by clicking on the blue coloured download icon. (as shown in fourth column in above Figure 151)

UPLOADING 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 147), a screen will appear (as shown in below Figure 152) to the user to enter Insurance Number and upload Insurance Policy Document of the consumer/farmer.

Insurance Policy	
Insurance Number	<input type="text" value="Insurance number"/>
Insurance Policy Doc File	<input type="button" value="Choose File"/> No file chosen
<input type="button" value="Cancel"/> <input type="button" value="Save"/>	

FIGURE 152 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 153)

The screenshot shows the 'Asset Details' dashboard. At the top, there are navigation tabs: 'ConsumerList', 'Consumer Info', 'Asset Details' (highlighted with a red box), 'RealTime', and 'History'. Below the tabs, there is a 'Delete' button (highlighted with an orange box). The main content area features a table with columns: 'Empanelled Agency', 'Manufacturer', 'Asset Type', 'Asset Serial No.', 'Product', 'Commissioning Date', 'Installed Date', 'Duration (Days)', and 'Mismatch Duration (Days)'. Above the table, there are buttons for 'CSV', 'Excel', and 'PDF' (highlighted with a green box), a search bar (highlighted with a blue box), and a 'Show / hide columns' button. The table contains six rows of asset data, with the first row's checkbox highlighted in pink.

	Empanelled Agency	Manufacturer	Asset Type	Asset Serial No.	Product	Commissioning Date	Installed Date	Duration (Days)	Mismatch Duration (Days)
<input type="checkbox"/>	Rotomag Motor and Controls Pvt Ltd	Rotomag Motors & Controls Pvt. Ltd.	Pump	SP3860720	RS3000	15-07-2021			
<input type="checkbox"/>	Rotomag Motor and Controls Pvt Ltd	ICON Solar-En Power Technologies Pvt. Ltd.	Solar Panel	ICON33536A0608073025	ISEN335	15-07-2021	15-07-2021	0	
<input type="checkbox"/>	Rotomag Motor and Controls Pvt Ltd	ICON Solar-En Power Technologies Pvt. Ltd.	Solar Panel	ICON33536A0608073027	ISEN335	15-07-2021	15-07-2021	0	
<input type="checkbox"/>	Rotomag Motor and Controls Pvt Ltd	ICON Solar-En Power Technologies Pvt. Ltd.	Solar Panel	ICON33536A0608073009	ISEN335	15-07-2021	15-07-2021	0	
<input type="checkbox"/>	Rotomag Motor and Controls Pvt Ltd	ICON Solar-En Power Technologies Pvt. Ltd.	Solar Panel	ICON33536A0608072276	ISEN335	15-07-2021	15-07-2021	0	
<input type="checkbox"/>	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 153 ASSET DETAILS

TABLE 48 ASSET DETAILS DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	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 153) and click on the delete button to

				unmap any faulty asset serial no. against the farmer.
--	--	--	--	---

- 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

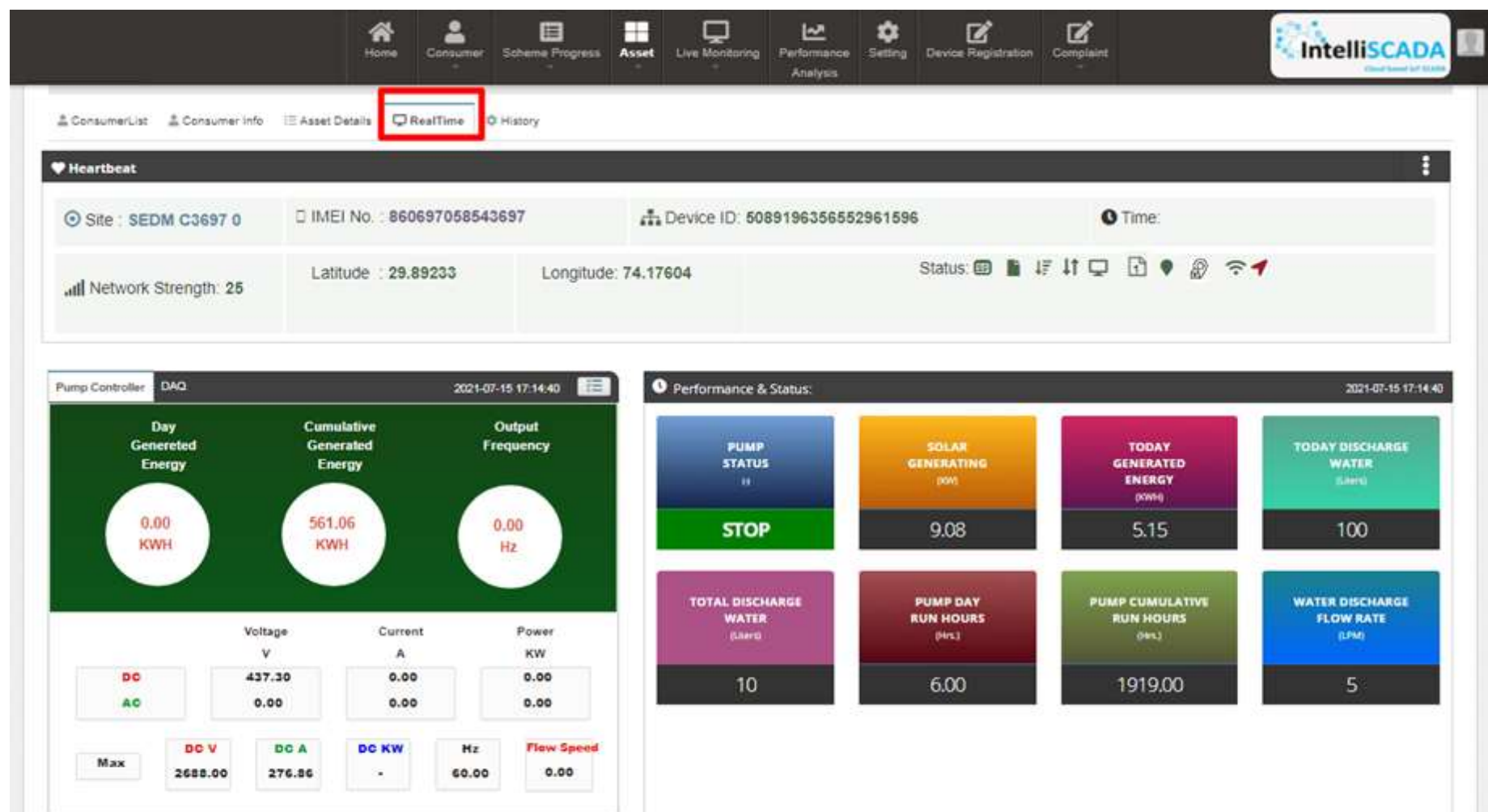


FIGURE 154 REAL-TIME DASHBOARD

- 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 155)

TimeSpan	Analo	Analo	Pump Ci	Digits	Digits	Digits	Digits	undefine	GPS I	GPS Lt	Latitud	Longitud	WiFi/Bluetooth	Signal I	undefine	RTC	SD
TimeStamp	Analog Input - 1	Analog Input - 2	Pump Controller Serial No.	Digital Input - 1	Digital Input - 2	Digital Output - 1	Digital Output - 2	undefined	GPS Module Status	GPS Location Locked	Latitude	Longitude	WiFiBluetooth Module Status	Signal Strength	undefined	RTC Time	SD Card
2021-07-14 15:00:00	0	0		0	0	0	0	1	1	1	29.89235	74.17603	1	25			1
2021-07-14 14:45:00	0	0		0	0	0	0	1	1	1	29.89238	74.17605	1	25			1
2021-07-14 14:30:00	0	0		0	0	0	0	1	1	1	29.89238	74.17603	1	25			1
2021-07-14 14:15:00	0	0		0	0	0	0	1	1	1	29.89234	74.17604	1	25			1
2021-07-14 14:00:00								1	1	1	29.89234	74.17604	1	25			1
2021-07-14 13:45:00	0	0		0	0	0	0	1	1	1	29.89238	74.17601	1	25			1
2021-07-14 13:30:00	0	0		0	0	0	0	1	1	1	29.89238	74.17604	1	25			1
2021-07-14 13:15:00	0	0		0	0	0	0	1	1	1	29.89238	74.17601	1	25			1

FIGURE 155 VIEW HISTORY

20. INSTALLATION & COMMISSION (I&C) VERIFICATION

- Below are the authorized users for I&C Verification :
 - State Implementing Agency (SIA)
 - o Sub Division Officer (SDN)
 - o 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

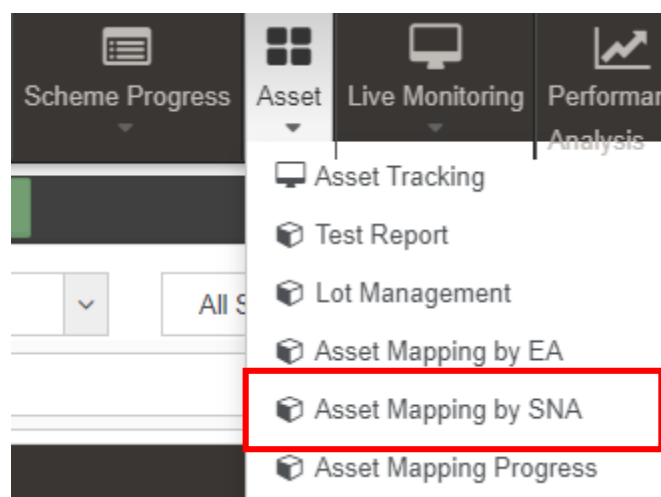


FIGURE 156 ASSET MAPPING BY SNA OPTION

- 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 157), 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 157) 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.

The screenshot displays the 'Individual Asset & IMEI Mapping' dashboard. At the top, there are input fields for 'IMEI No.' and 'Application No.', each with a 'GO' button. Below this, there are dropdown menus for 'Select District' (ANUGUL), 'Select Empanelled Agency' (ALL), 'Select Capacity' (ALL Capacity), and 'Select Status' (Order placed to EA), with a 'GO' button. A navigation bar includes tabs for 'ConsumerList', 'Consumer Info', 'Asset Details', 'RealTime', and 'History'. Below the navigation bar, there are 'CSV' and 'Excel' download buttons, a search box, and a table of asset details. The table has 13 columns: S.No., Application No., Farmer Name, Father Name, Mobile No., Empanelled Agency, Location District, Latitude, Longitude, Required Pump, Pump Sub IMEI No.Type, Pump Capacity(HP), and IMEI No. The first row shows data for S.No. 1, Application No. OD/PMKUSUM-B/0253, Farmer Name LokanathPradhan, Mobile No. 9178769517, Empanelled Agency Tata Power Solar Systems Limited, Location District ANUGUL, Latitude 20.47208, Longitude 84.473124, Required Pump DC, Pump Sub IMEI No.Type Submersible, Pump Capacity(HP) 3, and IMEI No. 881551046576310. At the bottom left, it says 'Showing 1 to 1 of 1 entries' and at the bottom right, there is a page number '1'.

S.No.	Application No.	Farmer Name	Father Name	Mobile No.	Empanelled Agency	Location District	Latitude	Longitude	Required Pump	Pump Sub IMEI No.Type	Pump Capacity(HP)	IMEI No.
1	OD/PMKUSUM-B/0253	LokanathPradhan		9178769517	Tata Power Solar Systems Limited	ANUGUL	20.47208	84.473124	DC	Submersible	3	881551046576310

FIGURE 157 ASSET MAPPING BY SNA DASHBOARD

- User can download CSV or Excel file (highlighted in green in Figure 157) 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 157)
- By clicking on to the farmer’s Application no. (Highlighted in red in above Figure 157) user will be redirected to the Consumer Info tab as highlighted in red in below Figure 158.

Consumer Info

Consumer Details

Nithyanantham

- Application No: PB/PM KUSUM-B/4376
- Mobile Number: 9569867951
- Pump Details: AC 7.5HP Submersible
- Installation Verification Date:
- Commissioning & Go Live Date:

Site Info

EMPANELLED AGENCY : Rajasthan Electronics And Instruments Limited

COMMUNICATION ADDRESS

ADDRESS : dfewf

DISTRICT :

TALUKA : Ajnala

TOWN : Aawan Basu (28)

PIN CODE :

LOCATION ADDRESS

DISTRICT :

TALUKA : Ajnala

TOWN : Aawan Basu (28)

LAND SURVEY NO. :

LAND COVERAGE(SQ MTR) : 0

LATITUDE : 20.11

LONGITUDE : 70.11

PUMP DETAILS

PUMP TYPE : AC

PUMP CAPACITY (hp) : 5

PUMP SUBTYPE : Submersible

IRRIGATION DETAILS

SOURCE OF WATER : BoreWell

IRRIGATION MODE : Micro Irrigation

IS SITE SUITABLE? : No

IS SOUTH FACING SHADOW FREE LAND AVAILABLE? : No

FIGURE 158 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 158.
- After clicking the Installation Verification by SNA button, a window screen will appear as shown in the below Figure 159.

6	Module to Module wattage mismatch in the SPV array mismatch shall be within ± 3 percent.	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	Whether RFID tag is pasted or not?	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	Foundation - with the help of 'J Bolt' / direct piling	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	Module mounting structure Hot dip Galvanizing as per relevent applicable standard	<input checked="" type="radio"/> Yes <input type="radio"/> No
10	Fasteners Stainless Steel	<input checked="" type="radio"/> Yes <input type="radio"/> No
11	Structure Steel Thickness (mm)	<input type="text" value=""/> [5 - >=]
12	Anti theft Bolts provided	<input checked="" type="radio"/> Yes <input type="radio"/> No
13	Arrangement for Seasonal Tilt Angle adjustment provided or not?	<input checked="" type="radio"/> Yes <input type="radio"/> No
14	Structure Properly Installed	<input checked="" type="radio"/> Yes <input type="radio"/> No
15	SPV Controller must have IP (65) protection or shall be housed in a cabinet having at least IP (65) protection.	<input checked="" type="radio"/> Yes <input type="radio"/> 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	<input checked="" type="radio"/> Yes <input type="radio"/> No

17	Controller shall be integrated with GSM/GPRS Gateway with Geo tagging	<input checked="" type="radio"/> Yes <input type="radio"/> No
18	Parameter declared as per specification	<input checked="" type="radio"/> Yes <input type="radio"/> No
19	Connections of earthing properly done	<input checked="" type="radio"/> Yes <input type="radio"/> No
20	All the data of controller should be made available to HAREDA for monitoring by giving web access	<input checked="" type="radio"/> Yes <input type="radio"/> No
21	Configuration of controller through RS-486/UARAT is Done	<input checked="" type="radio"/> Yes <input type="radio"/> No
22	Operation and Maintenance Manual provided to farmer	<input checked="" type="radio"/> Yes <input type="radio"/> No
23	Wiring and cableing is done in proper way as per Order	<input checked="" type="radio"/> Yes <input type="radio"/> No
24	Fencing Provided	<input checked="" type="radio"/> Yes <input type="radio"/> No
25	Remarks	<input type="text"/>

Installation Verification Date
 PUMP Installation Verification As Per Specification Satisfied Not Satisfied

FIGURE 159 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 158) in Consumer Info tab.
- Below screen (Figure 160) will appear for uploading Installation Report.

Site Inspection Report ✕

Site Inspection Report Doc File No file chosen

FIGURE 160 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 158) in which following details of consumer/farmer will be available. (refer Figure 161)
 - 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 161)

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 :

Agency : Tata Power Solar Systems Limited

Consumer Details

Consumer Name	Nithyananthan	Ph : 9818997300
Correspondence Details	VILLAGE- NAGGALAMRITSAR HISAR ROAD TEH.DISTT- <input type="text"/>	
District	<input type="text"/>	Farm District <input type="text"/>
Taluka		Farm Taluka Ajnala
Town		Farm Town Aawan Basu(28)
Pin code	134003	Land Coverage (Sq. Meter) 0
Consumer Cast	General	Consumer Category Farmer
Pump set Insurance No		-

Installed Pump Details

Installed Pump Type	AC	Installed Pump Sub Type	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

Asset Details					
Asset Type	Manufacturer	Model No	Serial No	Lot Ref No	Capacity
Pump	Ethos Power Pvt. Ltd.	EPPI-4800-100-14	B492464	ETHOS/HAREDA/PDI-07	5 [HP]
Controller with RMS	Ethos Power 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 , HS0318P7220078824 , HS0318P7220078826 , HS0318P7220078834 , HS0318P7220078835 , HS0318P7220078837 , HS0318P7220078840 , HS0318P7220078861 , HS0318P7220078864 , HS0318P7220078910 , HS0318P7220078935 , EZMCI120110389 ,				

RMS Connectivity Details			
IMEI No :	861551045911955	Mapping Date :	06-09-2021
Data Available	NO	GPS Location Status	Matched

PDI - Pump Check List				
No	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Pump and all external parts of motor be of SS304 grade or higher	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Name Plate as per IS14286/IEC61215I	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Minimum pressure rating of 8 kg/sqcm-PE100 grade for pumps up to 3 HP, 10 kg/sqcm-PE100 grade for 5 HP pumps	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Insulation Resistance Test as per IS Standard	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	High Voltage Test as per IS Standard	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	Leakage Current Test as per IS Standard	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	Constructional requirement/features, General Requirements, Design features	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	Indigenous manufactured for motor pump set	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	Marking and Parameters to be declared by the Manufacturer	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> 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	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Qualify to IS/IEC 61730	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Module Efficiency as measured >15%	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Fill factor as measured >70%	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	Modules - qualify to IEC TS 62804-1:2015	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	IEC TS 61701:2011 for salt mist corrosion test for coastal area installation	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	Name Plate conform to IS 14286/IEC 61215I	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	Module to Module wattage mismatch	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	Variation in overall SPV array wattage from the specified wattages shall be within zero percent to +10 percent.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
10	PV Modules warranted for output wattage	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
11	Indigenous manufactured solar modules with indigenous mono/multi crystalline silicon solar cells	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
12	RFID Tag Inside/Outside	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

PDI - Pump Controller and RMS Check List				
No	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Maximum Power Point Tracker (MPPT)	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	SPV Controller must have IP (65) protection	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

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

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

19	Connections of earthing properly done	<input type="radio"/> Yes <input type="radio"/> No
20	All the data of controller should be made available to HAREDA for monitoring by giving web access	<input type="radio"/> Yes <input type="radio"/> No
21	Configuration of controller through RS-486/UART is Done	<input type="radio"/> Yes <input type="radio"/> No
22	Operation and Maintenance Manual provided to farmer	<input type="radio"/> Yes <input type="radio"/> No
23	Wiring and cabling is done in proper way as per Order	<input type="radio"/> Yes <input type="radio"/> No
24	Fencing Provided	<input type="radio"/> Yes <input type="radio"/> No
25	Remarks	<input type="text"/> Installation Successfully Done





FIGURE 161 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 162)
- Sign In >> Live Monitoring >> Dashboard



FIGURE 162 LIVE MONITORING DASHBOARD OPTION

➤ Live Monitoring Dashboard Screen

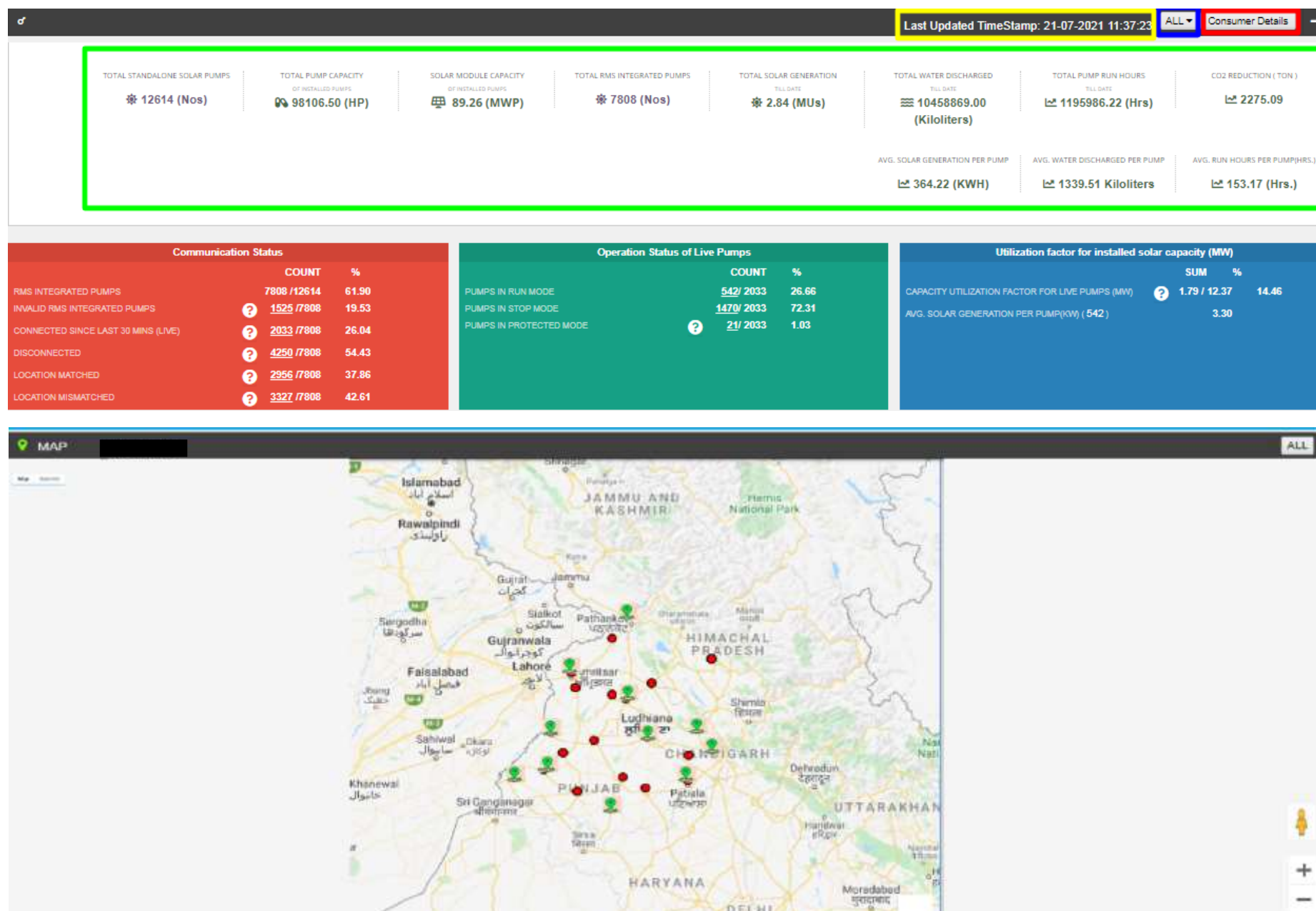


FIGURE 163 LIVE MONITORING DASHBOARD

- **Last Updated Time Stamp** (highlighted in yellow in above Figure 163)
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 163)
 - 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 163)

- 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.

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 164 Consumer Details (ii)

- User can change RMS latitude and longitude by clicking on edit icon (highlighted in red in above **Error! Reference source not found.**) and in below Figure 165 is shown how to change the RMS latitude and longitude.

	First RMS LatLong	Pump Capac (HP)
16	Latitude <input type="text" value="28.99038"/> Longitude <input type="text" value="76.0423"/>	10
83	Lat:22.4914	7.5

FIGURE 165 UPDATE RMS LATITUDE - LONGITUDE

- After entering new RMS latitude and longitude, user has to click on the save icon (highlighted in red in Figure 163) 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 163) :
 - Total Standalone Pumps**
 - It reflects the total numbers of applications whose application status is updated to “Installation & Verification done”.
 - Total Pump Capacity**
 - It reflects the total sum of capacity (HP) of total standalone pumps.
 - Total Module Capacity**
 - It reflects the total sum of SPV capacity of total standalone pumps. (SPV Capacity as per EA rate card, click [here](#) to know more)
 - Total RMS Integrated Pumps**
 - It reflects the total number of pumps who had sent RMS data on the portal for the first time.
 - Total Solar Generation**
 - It reflects the total cumulative Solar Generation of RMS Integrated pumps till today. (in terms of MUs i.e. Million Units)
 - Total Water Discharge**
 - It reflects the total cumulative kilolitres of Water discharged from RMS Integrated pumps till today.
 - Total Pump Run Hours**
 - It reflects the total cumulative hours that RMS Integrated pumps ran till today.
 - CO2 Reduction (TON)**
 - CO2
 - Avg. Solar Generation per Pump**
 - Formula : Total Solar Generation / Total RMS Integrated pumps
 - Avg. Water Discharge per Pump**
 - Formula : Total Water Discharge / Total RMS Integrated pumps
 - 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 163) are explained in below Table 49.

TABLE 49 LIVE MONITORING – EXPLANATION OF THREE BOXES

Box Name (Colour)	Sub Status	Description	Refer Figure 163 for below figures as an example
Communication Status (Red Box)	RMS Integrated Pumps	Displays Total RMS Integrated Pumps out of Total Pumps whose current status is Installation & Commission Done	7808 (Total RMS Integrated pumps) / 12614 (Total Pumps having current status Installation & Commission)
	Invalid RMS Integrated Pumps	This sub status considers standard time of Total Pump running hours as 12 hours. If any pump from total RMS Integrated pumps runs for more than standard hours than it falls in Invalid category	1525 (Pumps ran more than standard hours) / 7808 (Total RMS Integrated pumps)

	Connected Since Last 30 Mins (LIVE)	Displays Total no. of Pumps that are connected from last 30 mins out of Total RMS Integrated pumps	2033 (Total Pumps connected since last 30 minutes) / 7808 (Total RMS Integrated pumps)
	Disconnected	Displays Total no. of Pumps that are disconnected out of Total RMS Integrated pumps	4250 (Total disconnected Pumps) / 7808 (Total RMS Integrated pumps)
	Location Matched	Displays Total no. of pumps whose latitude-longitude (captured while Site Survey) matched with the latitude-longitude that RMS had sent along with the data for the first time on the portal out of Total RMS Integrated pumps	2956 (matched Latitude-Longitude) / 7808 (Total RMS Integrated pumps)
	Location Mismatched	Displays Total no. of pumps whose latitude-longitude (captured while Site Survey) mismatched with the latitude-longitude that RMS had sent along with the data for the first time on the portal out of Total RMS Integrated pumps	3327 (mismatched Latitude-Longitude) / 7808 (Total RMS Integrated pumps)
Operation Status of Live Pumps (Green Box)	Pumps in Run Mode	Displays Total no. of pumps that are currently running out of total no. of pumps that are connected since 30 minutes (sub status given in red box)	542 (Pumps currently running) / 2033 (Pumps connected since last 30 minutes)
	Pumps in Stop Mode	Displays Total no. of pumps that are currently not running i.e. stopped out of total no. of pumps that are connected since 30 minutes (sub status given in red box)	1470 (Pumps currently stopped) / 2033 (Pumps connected since last 30 minutes)
	Pumps in Protected Mode	Displays total no. of pumps that falls in below shown four categories (highlighted in red in below Figure 166) out of total no. of pumps that are connected since 30 minutes (sub status given in red box)	21 (Invalid Pumps) / 2033 (Pumps connected since last 30 minutes)
Utilization Factor for installed solar capacity (MV) (Blue Box)	Capacity Utilization Factor For Live Pumps (MV)	Displays total SPV capacity (MW) produced of total no. of pumps (currently in run mode - sub status given in green box) out of total SPV capacity as mentioned in the EA rate card (click here to know about SPV capacity as per EA rate card)	1.79 (total SPV capacity (MW) produced of total no. of running pumps) / 12.37 (total SPV capacity as mentioned in the EA rate card) 1.79 / 12.37 * 100 = 14.46 % (percentage shown in blue box of live monitoring dashboard in Figure 163)
	Avg. Solar Generation per Pump (KW) 542 (Pumps currently in run mode)	1.79 (total SPV capacity (MW) produced of total no. of running pumps) / 542 (Pumps currently in run mode) * 1000 (to convert value from MW into KW) = 3.30 KW	



FIGURE 166 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 163), a screen (refer) will open that covers the following list of Important Parameters of particular district:
 - **Standalone Solar Pumps**
 - Total no. of Standalone Solar Pumps
 - Total Pump Capacity (HP)
 - Total Solar Module Capacity (Actual) (KW)
 - **RMS Integrated Pumps**
 - Total no. of RMS Integrated Pumps
 - Pumps in Run Mode
 - Pumps in Stop Mode
 - Pumps in Protection Mode
 - Current Solar Capacity Utilization of Pump in Run Mode (KW)
 - **Indicators**
 - Pump Run Hours
 - Solar Generation (kWh)
 - Water Discharged (Kiloliter)

Standalone Solar Pumps		
Standalone Solar Pumps (Nos)	Total Pump Capacity (HP)	Total Solar Module Capacity (Actual) (KW)
33	232	213.00

RMS Integrated Pumps		
RMS Integrated Pumps (Nos)	Pumps In Run Mode	Pumps In Stop Mode
26	1	2

Indicators (Total)		
Pump RunHours (Hrs)	Solar Generation (KWH)	Water Discharged (Kiloliter)
7175.78	8736.58	16374.74

FIGURE 167 AMRITSAR DISTRICT SOLAR PUMP STATISTICS

- 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 168) 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 168)
- Also user can navigate back to the state view by clicking on state name. (highlighted in red in below Figure 168)

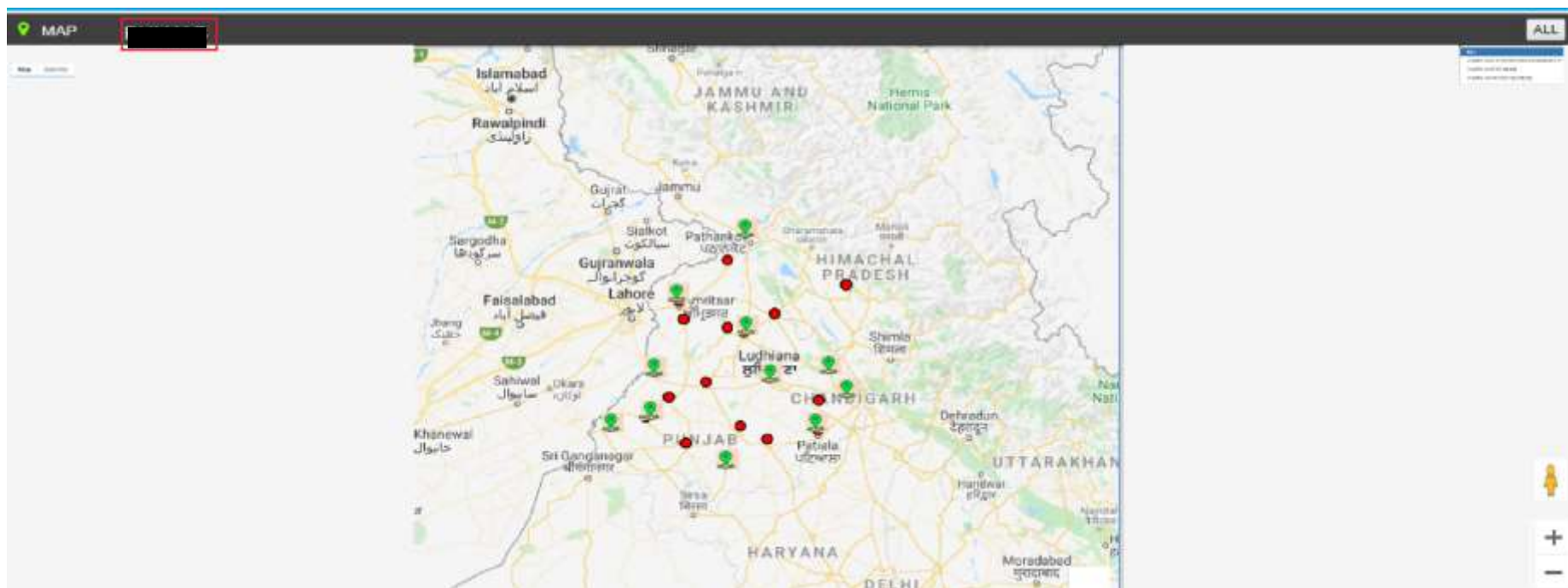


FIGURE 168 BROAD VIEW OF CONSUMER/FARMER OF SELECTED DISTRICT

- By clicking on any of two coloured icon, user can view particular consumer/farmer’s Solar Pump statistics as shown below in Figure 169.

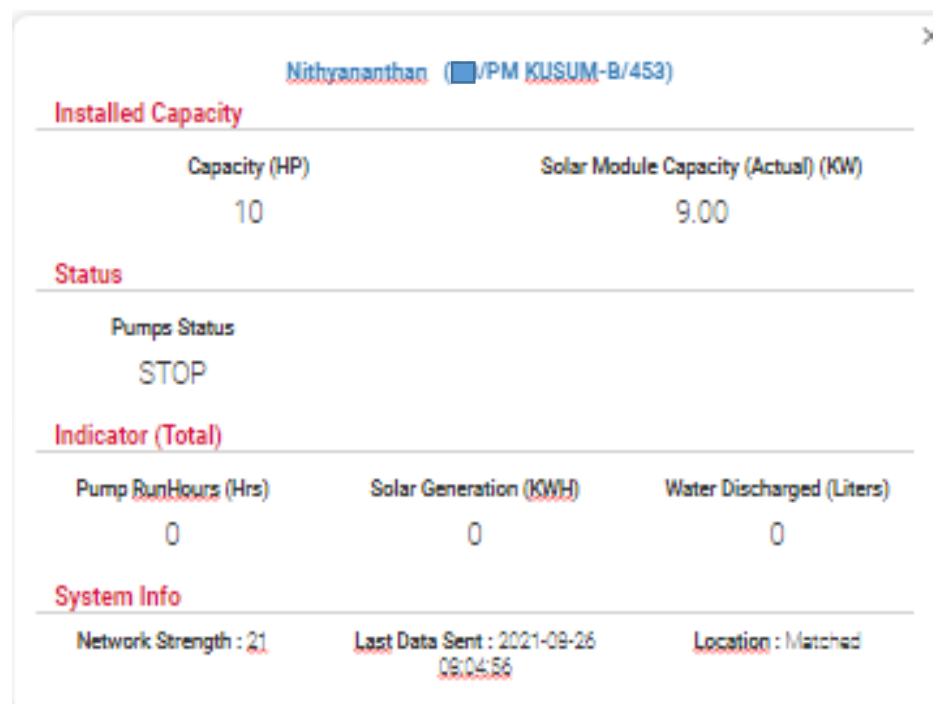


FIGURE 169 CONSUMER/FARMER SOLAR PUMP STATISTICS

- By clicking on consumer/farmer's name and application no. (Blue text in above Figure 169), user will be redirected to the Real Time tab under Asset Mapping by EA under Asset module.

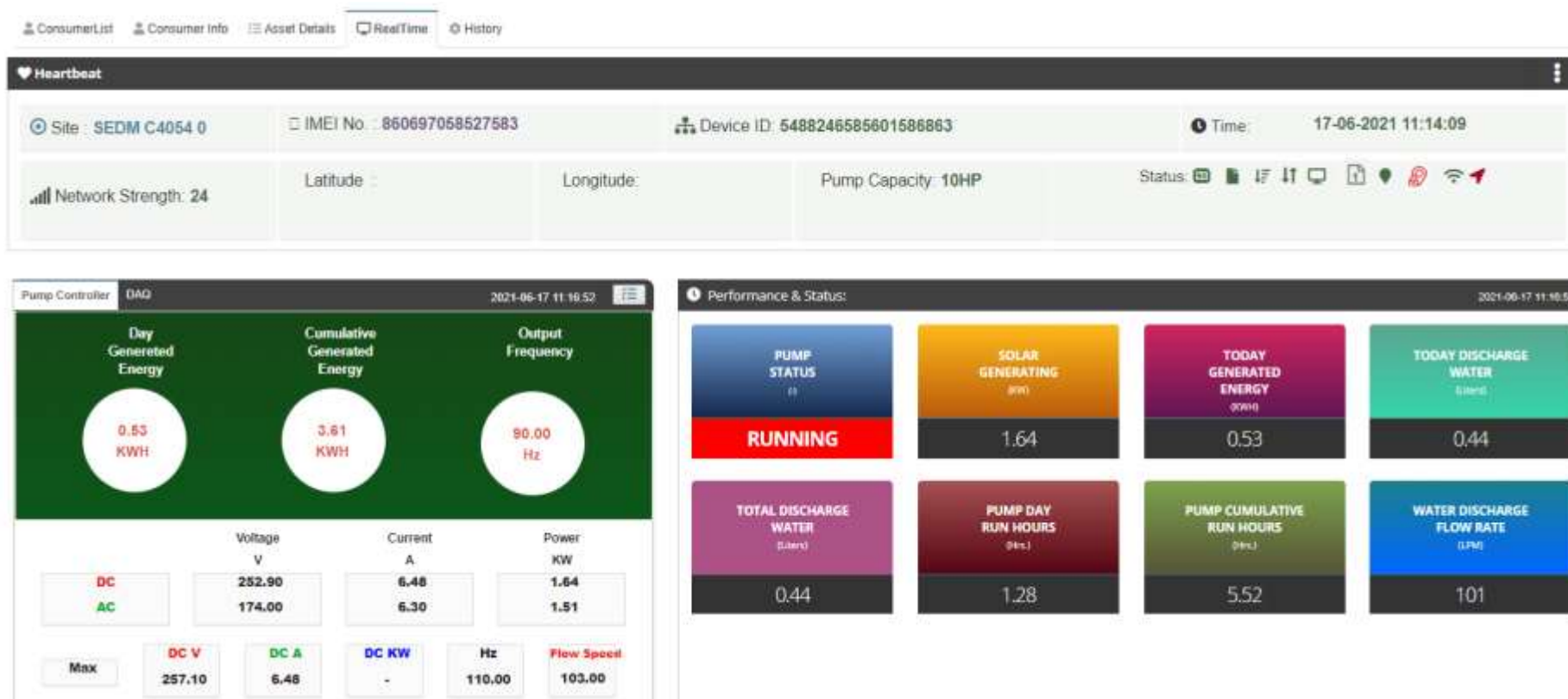


FIGURE 170 REAL TIME VIEW OF THE CONSUMER/FARMER

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:
 - **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 171)

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

➤ State Level Performance Analysis

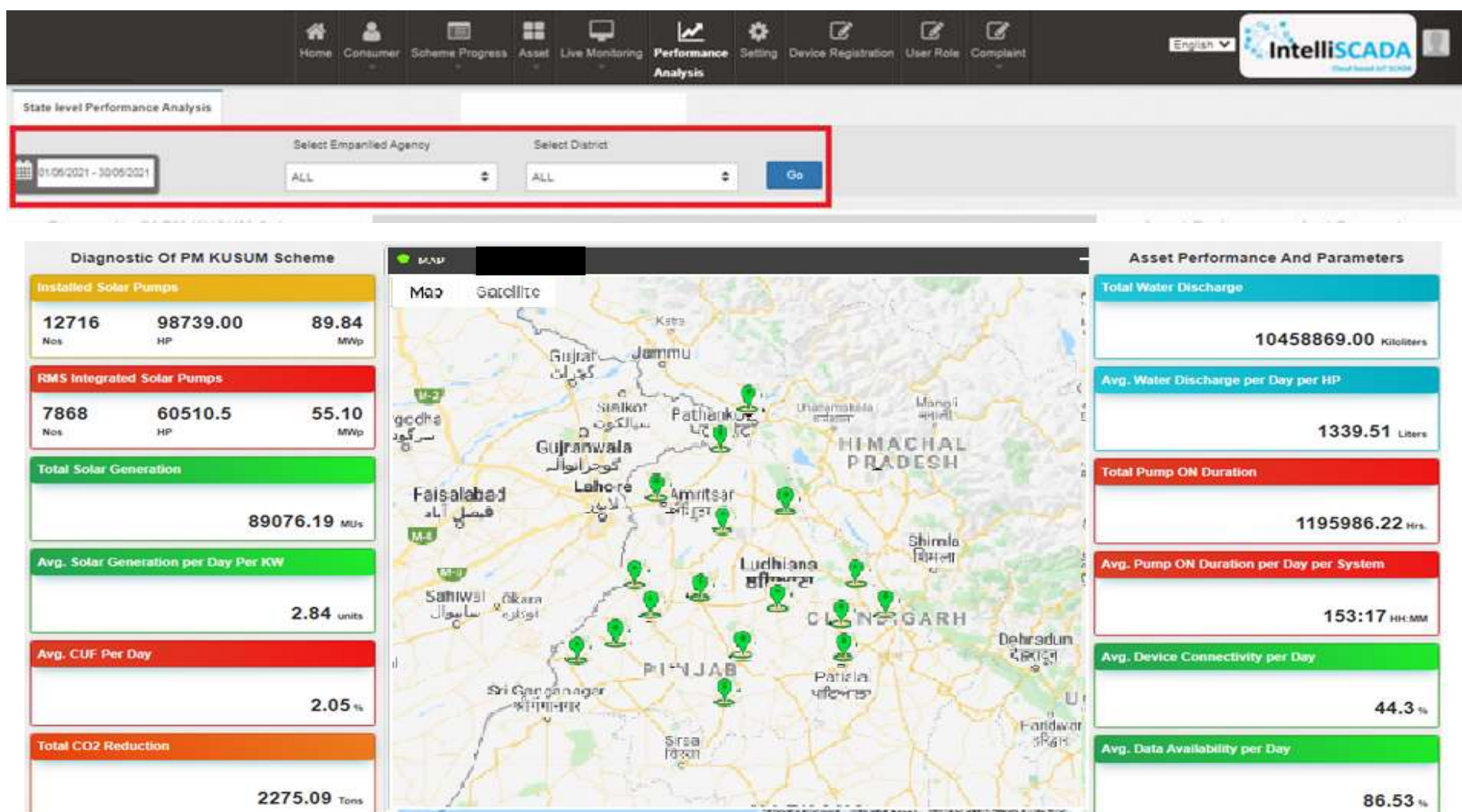


FIGURE 171 STATE LEVEL PERFORMANCE ANALYSIS

TABLE 50 PERFORMANCE ANALYSIS STATICS CALCULATIONS AND DESCRIPTION

Performance Analysis Statistics	Calculation	Description						
Installed Solar Pumps <table border="1"> <tr> <td>12716</td> <td>98739.00</td> <td>89.84</td> </tr> <tr> <td>Nos</td> <td>HP</td> <td>MWp</td> </tr> </table>	12716	98739.00	89.84	Nos	HP	MWp	<ul style="list-style-type: none"> - 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"
12716	98739.00	89.84						
Nos	HP	MWp						
RMS Integrated Solar Pumps <table border="1"> <tr> <td>7868</td> <td>60510.5</td> <td>55.10</td> </tr> <tr> <td>Nos</td> <td>HP</td> <td>MWp</td> </tr> </table>	7868	60510.5	55.10	Nos	HP	MWp	<ul style="list-style-type: none"> - 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)
7868	60510.5	55.10						
Nos	HP	MWp						

<p>Total Solar Generation</p> <p>89076.19 MUs</p>	<p>- Cumulative Sum of total solar generation (KWh) according the selected days in date range / 1000000 (to convert in MUs)</p>	<p>It is calculated as per : 1MWp = 1000 KWp 1KWp = 1000 watts (1kwh/1000000)=MUs</p>
<p>Avg. Solar Generation per Day Per KW</p> <p>2.84 units</p>	<p>- Total Solar Generation / (selected no. of days in date range * Total capacity of RMS Integrated Pumps (HP))</p>	<p>It is calculated considering Total Solar generation, Sum of total Capacity of RMS Integrated Pumps and Date range (no. of days)</p>
<p>Avg. CUF Per Day</p> <p>2.05 %</p>	<p>- Total Solar Generation / (Total capacity of RMS Integrated Pumps (HP) * selected no. of days in date range) * 100 = (value in %)</p>	<p>It is calculated consider the no. of units generated per day, solar generation (kWp) and 24 hours (to calculate avg per day)</p>
<p>Total CO2 Reduction</p> <p>2275.09 Tons</p>	<p>- Total Solar Generation / 1000000 (MUs) * 800 = (value in Tons)</p>	<p>This calculation consider Total Solar Generation and convert it into Tons by dividing the value by 10,00,000</p>
<p>Total Water Discharge</p> <p>10458869.00 Kiloliters</p>	<p>- Cumulative Sum of total water discharged according to the capacity of total RMS Integrated Pumps</p>	<p>This calculations will be Cumulative considering total units generated per HP and sum of total capacity (HP)</p>
<p>Avg. Water Discharge per Day per HP</p> <p>1339.51 Liters</p>	<p>- Total water discharge / 30 (days selected in date range) / total rms integrated pumps capacity (HP)</p>	<p>This calculations will be Cumulative considering total water discharge, selected days in date range and total capacity (HP) of RMS Integrated Pumps</p>
<p>Total Pump ON Duration</p> <p>1195986.22 Hrs.</p>	<p>- Sum of total running hours of RMS Integrated Pumps according to the selected no. of days in date range</p>	<p>This calculations will be Cumulative considering total running hours of RMS Integrated Pumps and selected days in date range</p>
<p>Avg. Pump ON Duration per Day per System</p> <p>153:17 HH:MM</p>	<p>- Total Pump ON Duration / 30 (selected no. of days in date range) / Total no of RMS Integrated Pumps = (value in HH:MM)</p>	<p>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</p>
<p>Avg. Device Connectivity per Day</p> <p>44.3 %</p>	<p>- Total no. of hours of RMS device connectivity / Total no. of RMS Integrated Pumps / selected no. days in date range * 100 = (value in %)</p>	<p>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</p>
<p>Avg. Data Availability per Day</p> <p>86.53 %</p>	<p>- 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 %)</p>	<p>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</p>

	calculate average device connectivity per day
--	---

- By clicking upon the green location icon (shown in Figure 172), user can view Performance Analysis statistics of particular district as shown in below Figure 172.

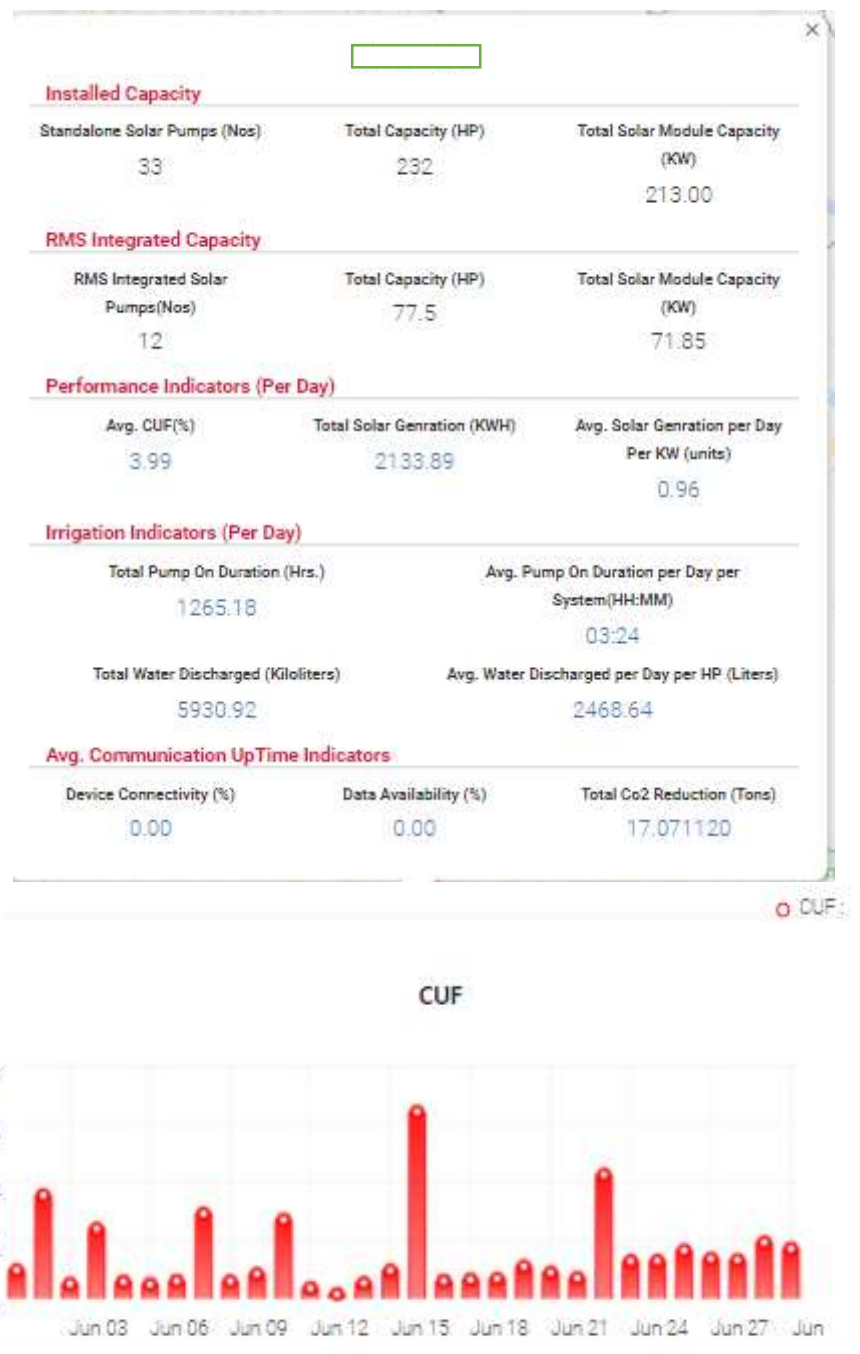


FIGURE 172 DISTRICT STATISTICS

- 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 173) 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 173)

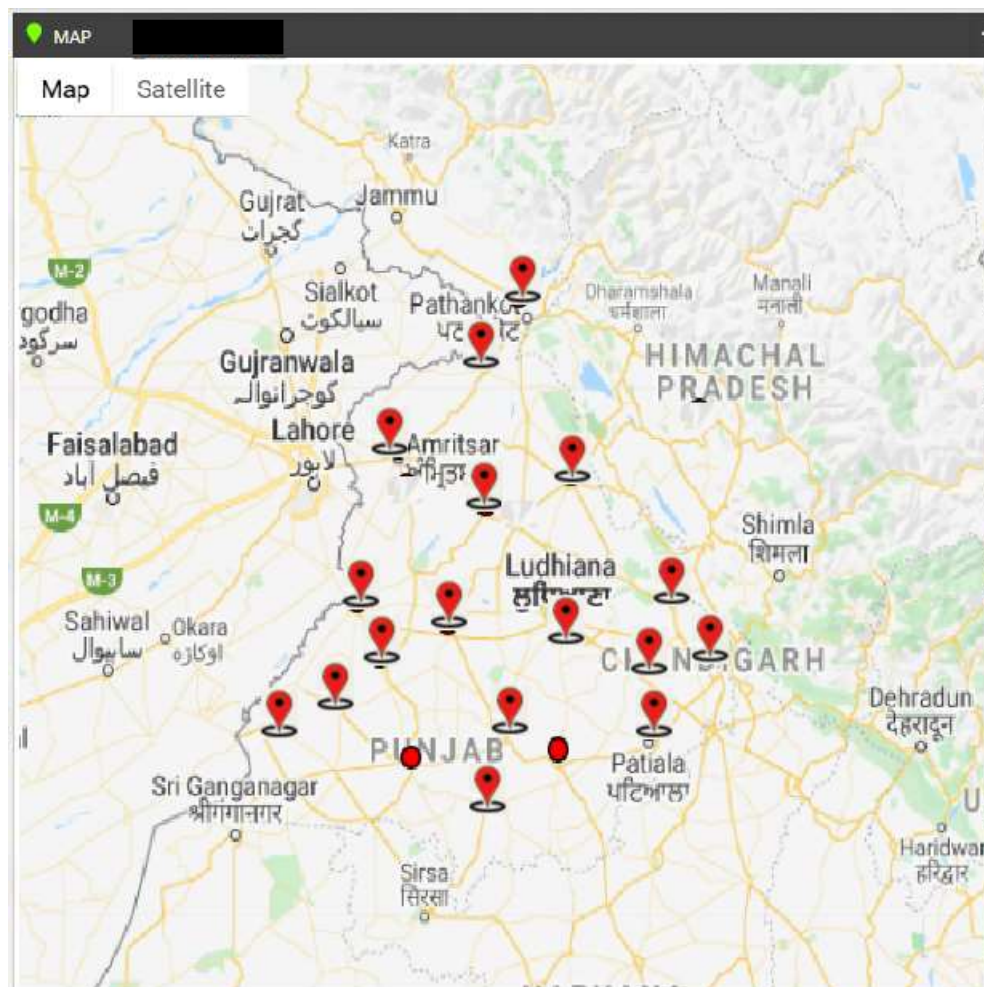


FIGURE 173 BROAD VIEW OF CONSUMER/FARMER OF SELECTED DISTRICT

- By clicking on red location icon, user can view particular consumer/farmer's Solar Pump statistics as shown below in Figure 174.

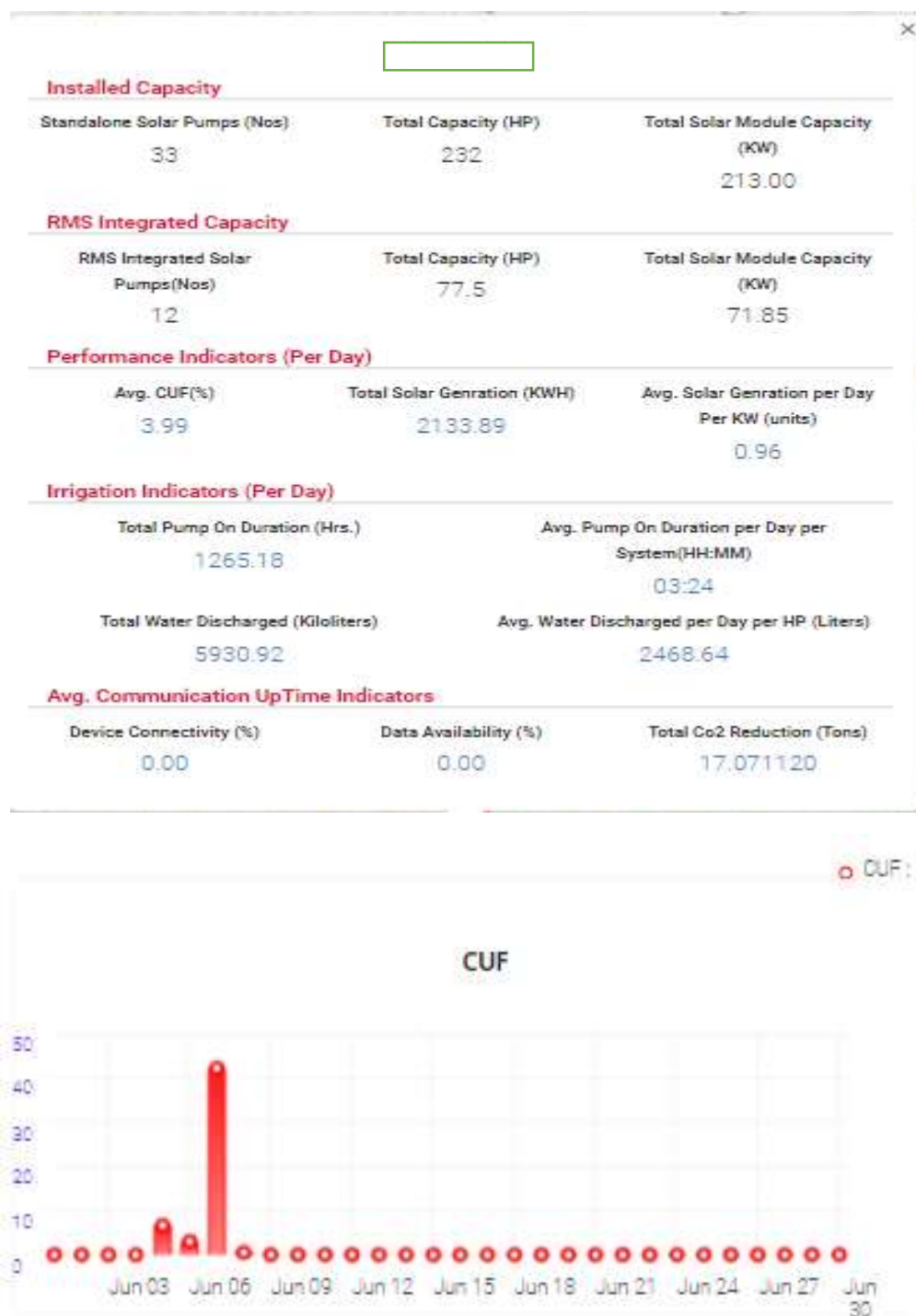


FIGURE 174 CONSUMER/FARMER SOLAR PUMP STATISTICS

- By clicking on consumer/farmer’s name and application no. (Blue text in above Figure 174), user will be redirected to the Real Time tab under Asset Mapping by EA under Asset module. (as shown in below Figure 175)

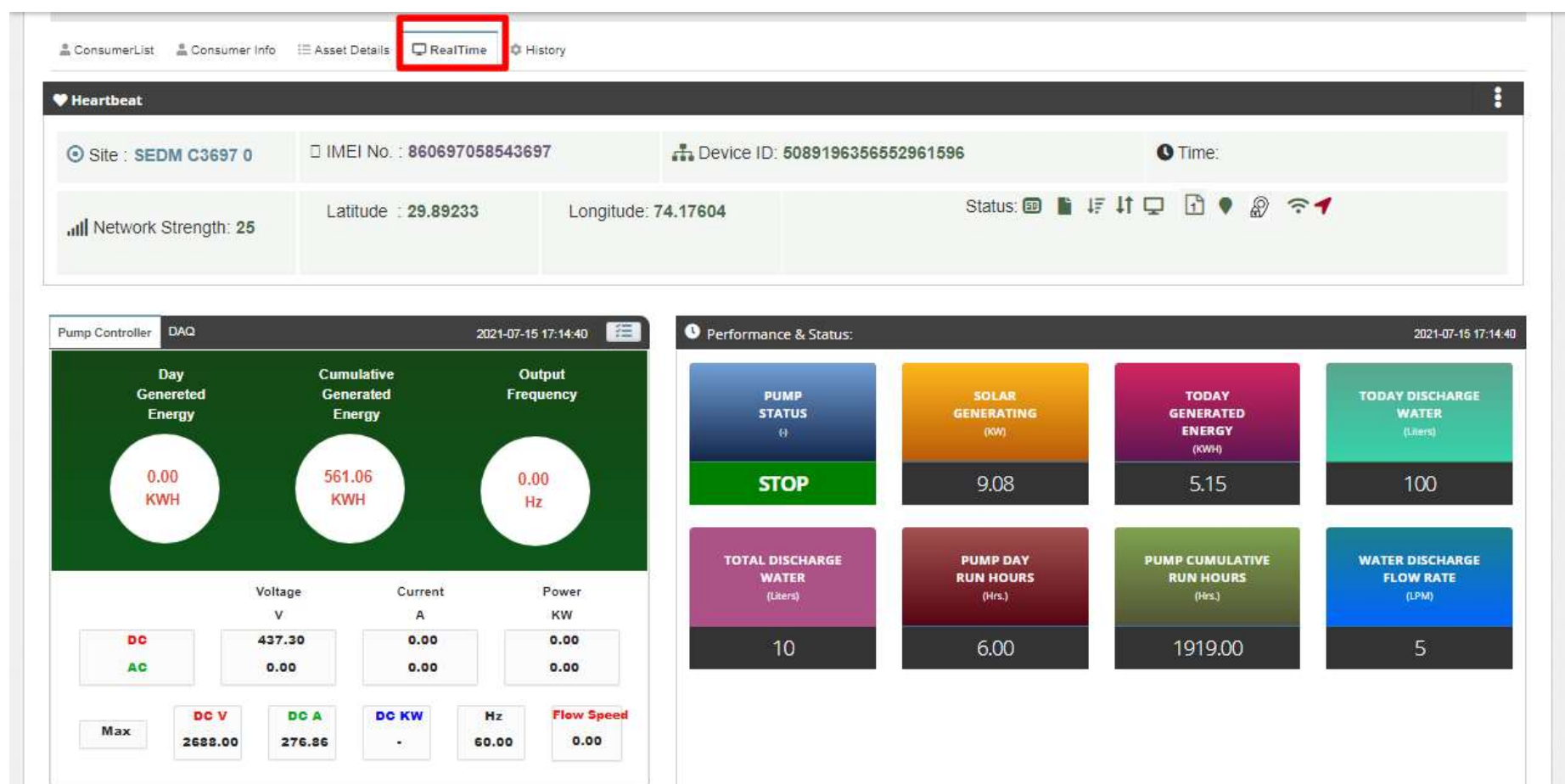


FIGURE 175 REAL TIME VIEW OF THE CONSUMER/FARMER

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

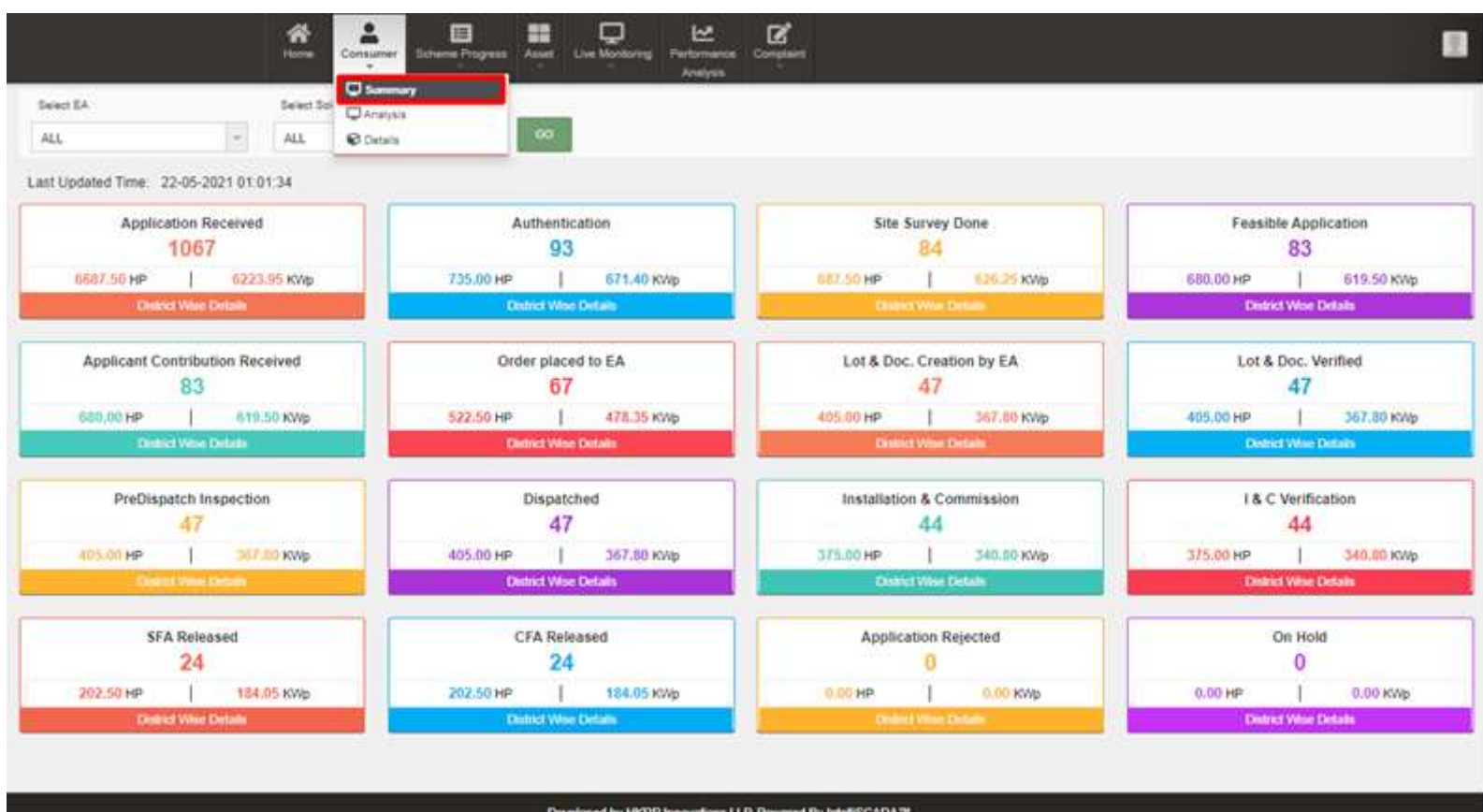


FIGURE 176 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD

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

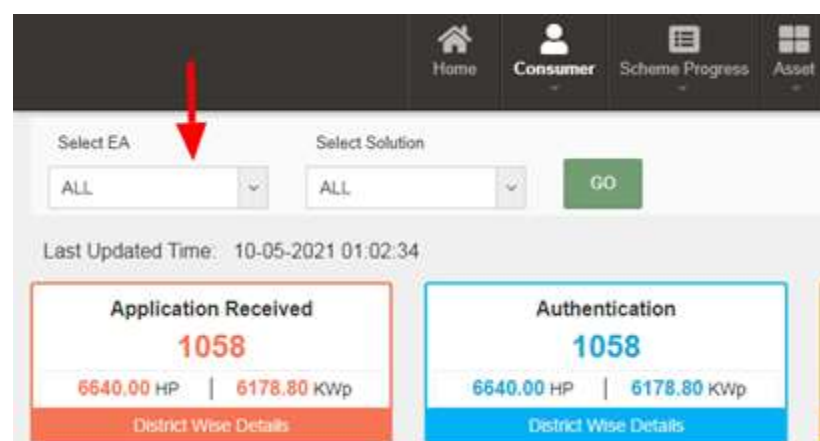
- Count of all application status will be incremented according to the status gets changed of the consumers/farmers by the authorized person.

Status	Image	Description	Want to know how to change status?
--------	-------	-------------	------------------------------------

(Click Ctrl + Click)			
Application Received	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Application Received</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #c00000;">1067</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 6687.50 HP 6223.95 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #f08080; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumer/farmer applications received.	Click here
Aadhar Authentication	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Authentication</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #0070c0;">93</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 735.00 HP 671.40 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #00a0e3; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of Aadhar authenticated consumers/farmers.	Refer Table 34
Site Survey Done	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Site Survey Done</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #c08000;">84</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 687.50 HP 626.25 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #f0c040; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose status “Site Survey Done” is updated.	Click here
Feasible Application	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Feasible Application</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #800080;">83</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 680.00 HP 619.50 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #800080; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose application is accepted by the authorized user.	Click here
Farmer Share Received	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Applicant Contribution Received</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #008080;">83</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 680.00 HP 619.50 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #00c0a0; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose contribution is received.	Click here
Order Placed to EA	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Order placed to EA</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #c00000;">67</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 522.50 HP 478.35 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #e04040; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose application is assigned to the Empanelled Agency.	Click here
Lot & Doc. Creation by EA	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Lot & Doc. Creation by EA</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #c00000;">47</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 405.00 HP 367.80 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #e08040; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose status is changed to “Lot & Doc. Creation by EA”.	Click here
Lot & Doc. Verified	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Lot & Doc. Verified</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #0070c0;">47</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 405.00 HP 367.80 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #00a0e3; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose status is changed to “Lot & Doc. Verified”.	Click here
Pre Dispatch Inspection (PDI)	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">PreDispatch Inspection</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #c08000;">47</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 405.00 HP 367.80 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #f0c040; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose status is changed to “Pre Dispatch Inspection”.	Click here
Dispatched	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Dispatched</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #800080;">47</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 405.00 HP 367.80 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #800080; padding: 2px;">District Wise Details</p> </div>	This box indicates the total number of consumers/farmers whose status is changed to “Dispatched”.	Click here
Installation & Commission (I&C)	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;">Installation & Commission</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold; color: #008080;">44</p> <hr/> <p style="display: flex; justify-content: space-between; font-size: 0.8em;"> 375.00 HP 340.80 KWp </p> <p style="text-align: center; font-size: 0.7em; background-color: #00c0a0; padding: 2px;">District Wise Details</p> </div>	This box indicated the total number of consumers/farmers whose status is changed to “Installation & Commission”.	Click here

I & C Verification	<p>I & C Verification 44</p> <p>375.00 HP 340.80 KWp</p> <p>District Wise Details</p>	This box indicates the total number of consumers/farmers, when authorized person changes the status “I & C Verification” of consumers/farmers.	Click here
SFA (State Financial Assistance) released	<p>SFA Released 24</p> <p>202.50 HP 184.05 KWp</p> <p>District Wise Details</p>	This box indicates the total number of consumers/farmers whose State fund is released by the authorized user.	Click here
CFA (Central Financial Assistance) released	<p>CFA Released 24</p> <p>202.50 HP 184.05 KWp</p> <p>District Wise Details</p>	This box indicates the total number of consumers/farmers whose Central fund is released by the authorized user.	Click here
Application on Hold	<p>On Hold 0</p> <p>0.00 HP 0.00 KWp</p> <p>District Wise Details</p>	This box indicates the total number of consumers/farmers whose application is on Hold by the authorized user.	Click here
Application Rejected	<p>Application Rejected 0</p> <p>0.00 HP 0.00 KWp</p> <p>District Wise Details</p>	The above box indicates the total number of consumers/farmers whose application is Rejected by the authorized user.	Click here

- There are several Empanelled Agencies that a user can choose from (pointed out in below Figure 177), depending on their analytical requirement or data studying.



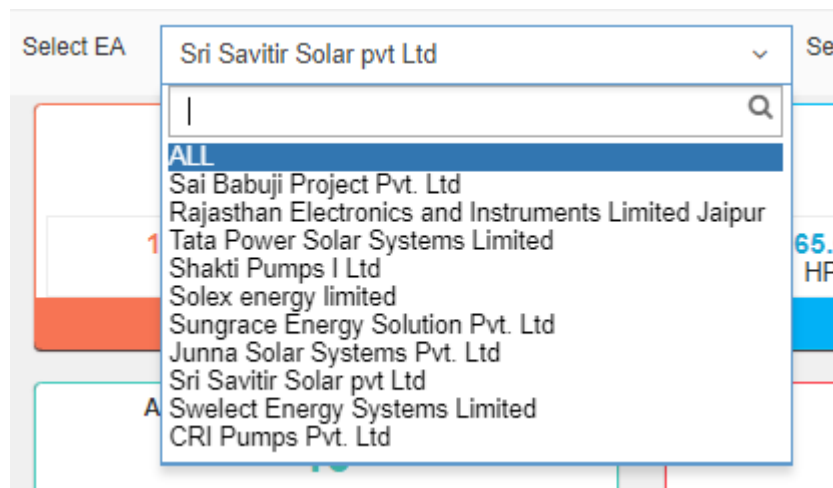


FIGURE 177 EA SELECTION OPTION IN 'SELECT EA' FILTER

- Users also get the option to filter the results by selecting the Pump capacity (pointed out in below Figure 178), under the 'Select Solution' drop-down text field.

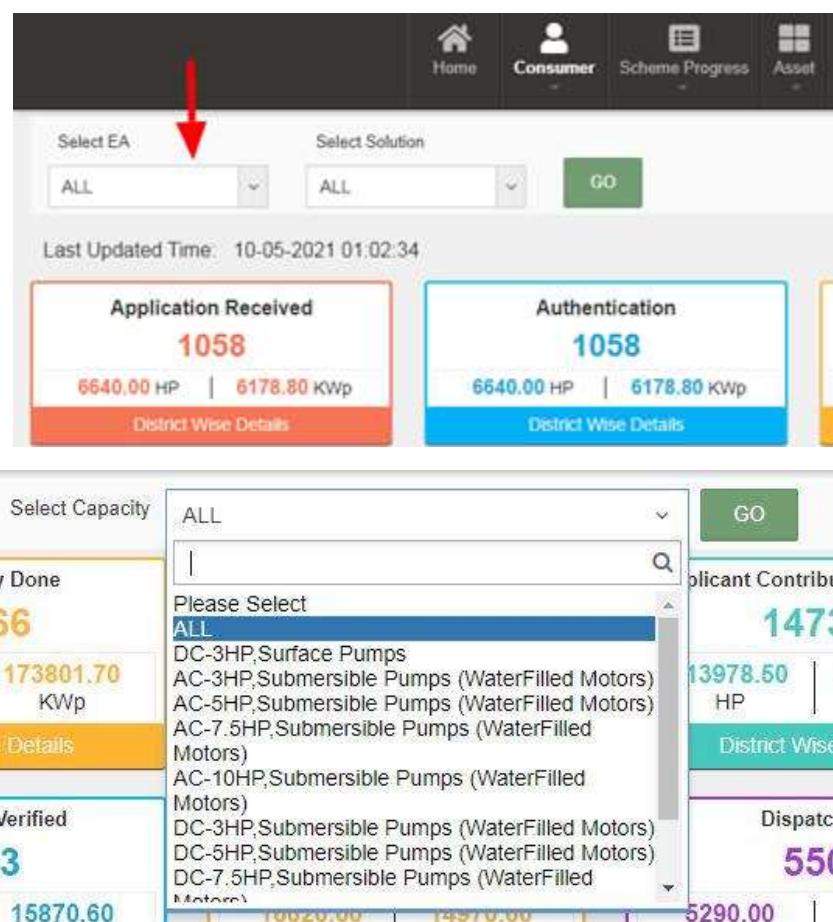


FIGURE 178 CAPACITY OPTIONS IN 'SELECT CAPACITY' FILTER

- Consumer/Farmer Management Dashboard Output after applying filters. (shown in below Figure 179)

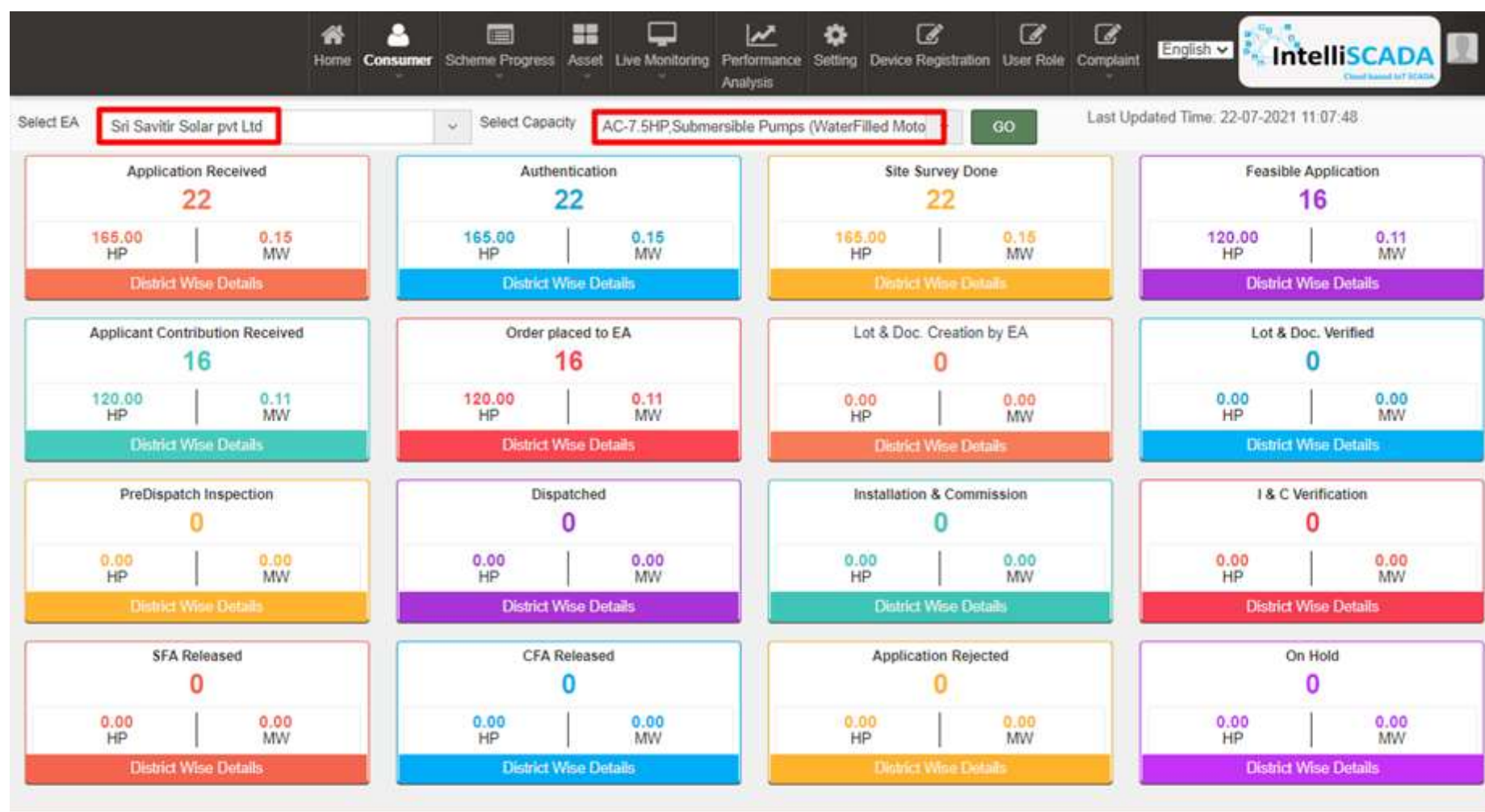


FIGURE 179 APPLIED FILTER: SRI SAVITIR SOLAR PVT LTD (EA), AC-7.5HP, SUBMERSIBLE PUMPS (WATERFILLED MOTORS)

- 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 180 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.

	DC-10, Sub Pumps (Water-Filled Motors)	DC-10, Sub Pumps (Oil-filled Motors)	Uncategorized
	0	0	0
	2	0	0
	12	0	0
	0	0	0
	0	0	0
	5	0	0
	2	0	0
	0	0	0
	2	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0

FIGURE 181 Show / Hide columns filter

FIGURE 182 USING THE FILTER “SHOW / HIDE COLUMNS” TO DISPLAY ONLY SELECTED COLUMNS

- 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)

No.	District	Total Application Received	AC-3, Sub Pumps (Water-Filled Motors)	AC-3, Surf Pumps	AC-5, Sub Pumps (Water-Filled Motors)	AC-5, Surf Pumps	AC-7.5, Sub Pumps (Water-Filled Motors)	AC-7.5, Surf Pumps	AC-10, Sub Pumps (Water-Filled Motors)	AC-10, Surf Pumps
1	Angul	3	0	0	2	0	1	0	0	0
Total		4389	180	454	1082	1399	850	383	32	9

FIGURE 183 USING “SEARCH” FILTER TO LIST DOWN ALL ENTRIES FOR DISTRICT = Angul

- 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.

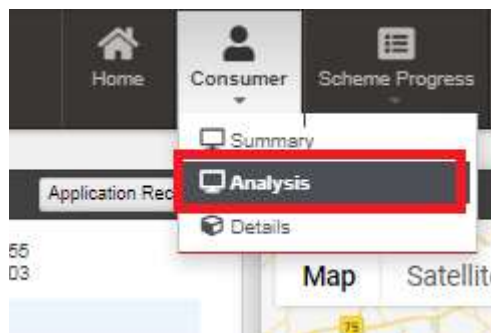


FIGURE 184 CONSUMER/FARMER MANAGEMENT ANALYSIS OPTION SELECTED ON CONSUMER/FARMER DASHBOARD

- 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

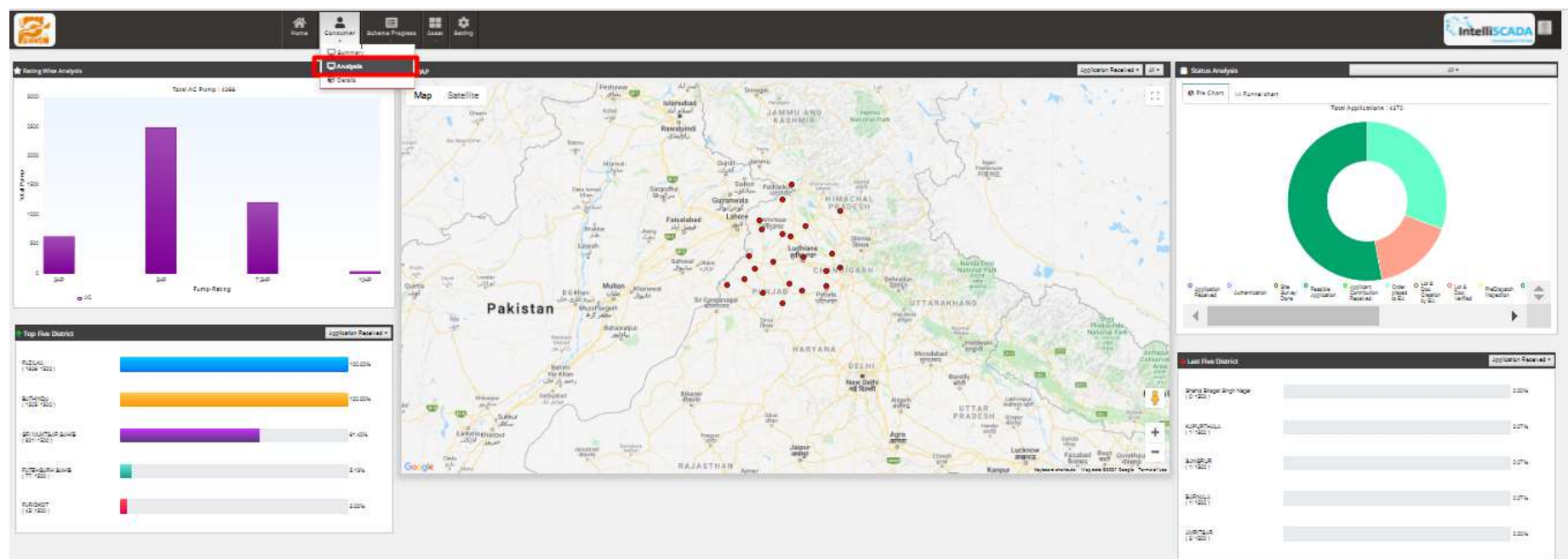


FIGURE 185 CONSUMER/FARMER ANALYSIS DASHBOARD

- 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.

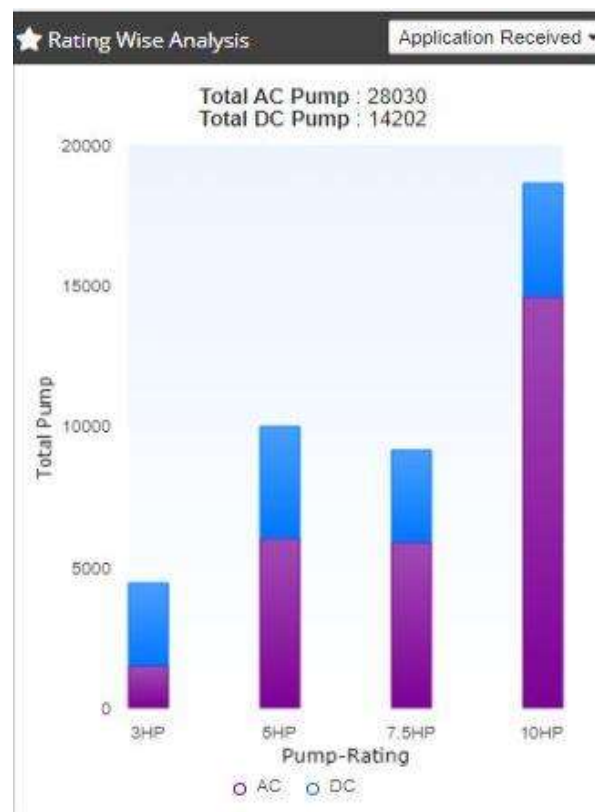


FIGURE 186 FILTER APPLIED: APPLICATION RECEIVED

- 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.

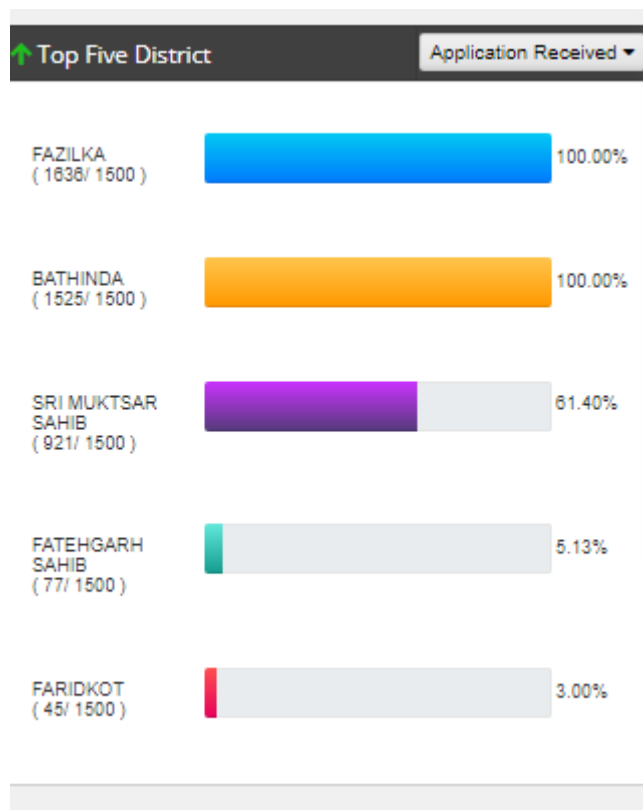


FIGURE 187 FILTER APPLIED: FEASIBLE APPLICATION

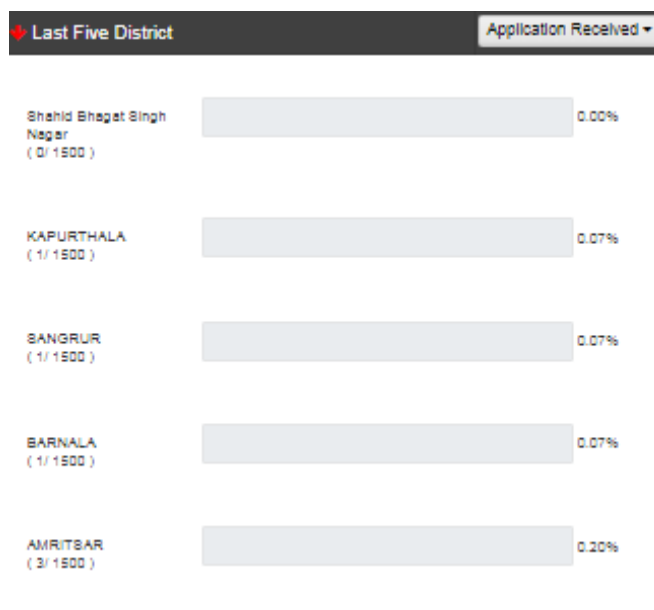


FIGURE 188 FILTER APPLIED: APPLICATION RECEIVED

- 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.

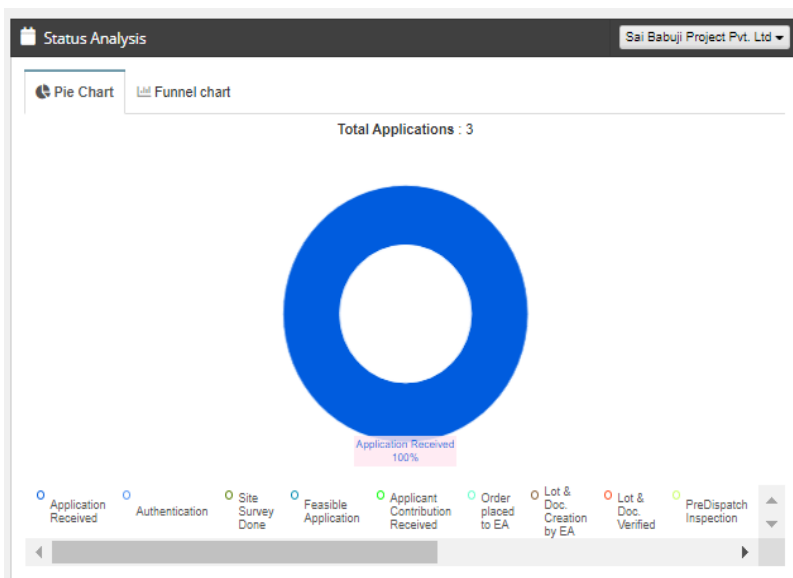


FIGURE 190 CONSUMER/FARMER ANALYSIS - PIE CHART

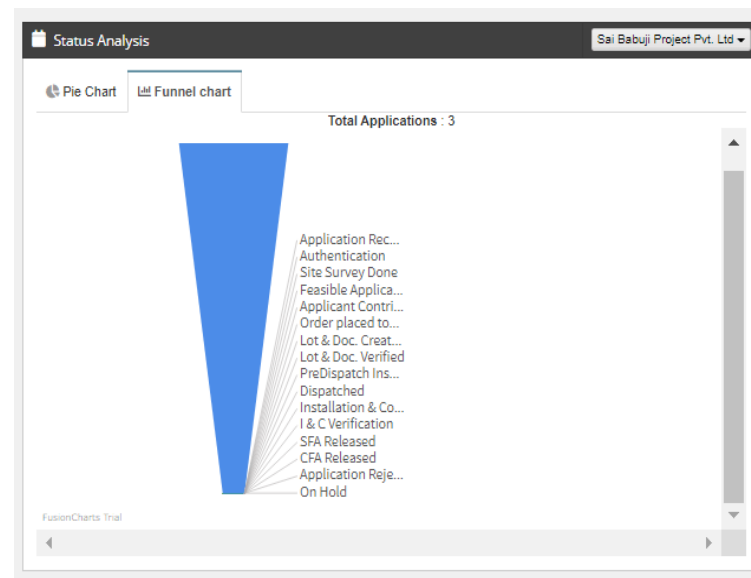


FIGURE 191 CONSUMER/FARMER ANALYSIS – FUNNEL CHART

- 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.

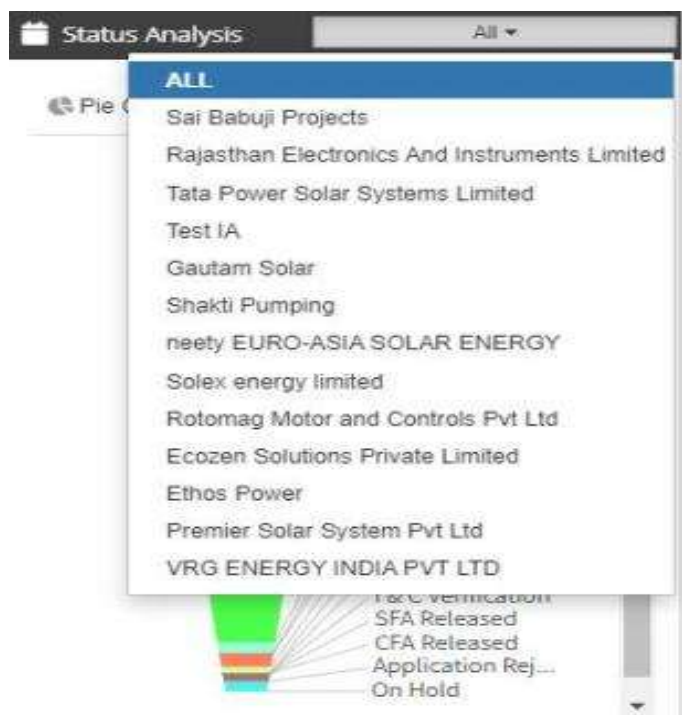


FIGURE 192 FILTER APPLIED: SHAKTI PUMPING

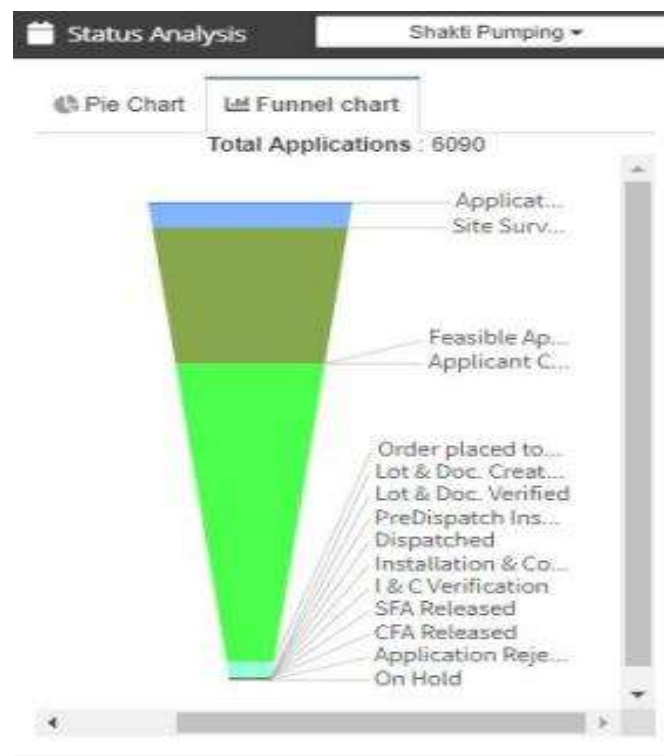


FIGURE 193 CONSUMER/FARMER ANALYSIS - FILTER OPTIONS

- 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.

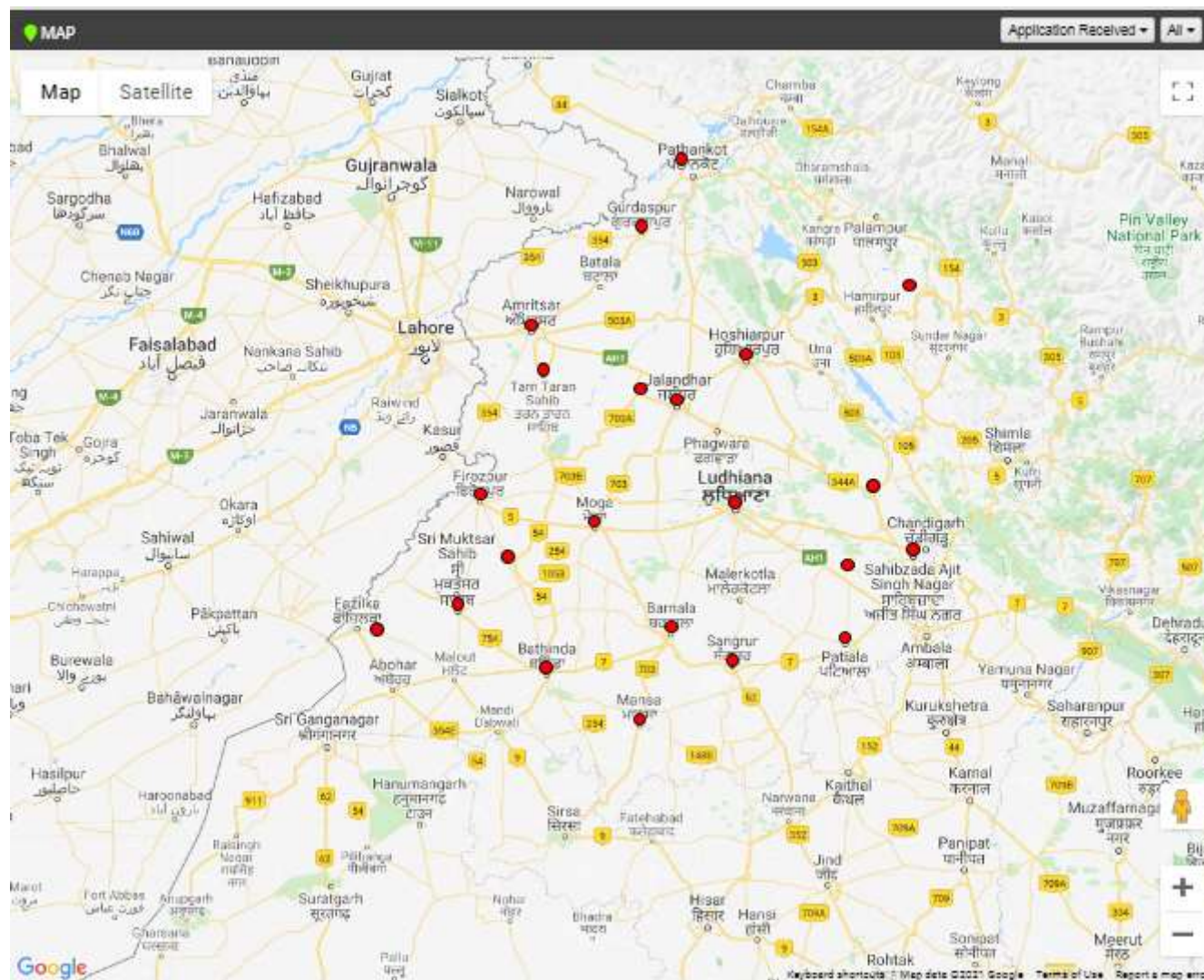


FIGURE 194 MAP VIEW

- 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).

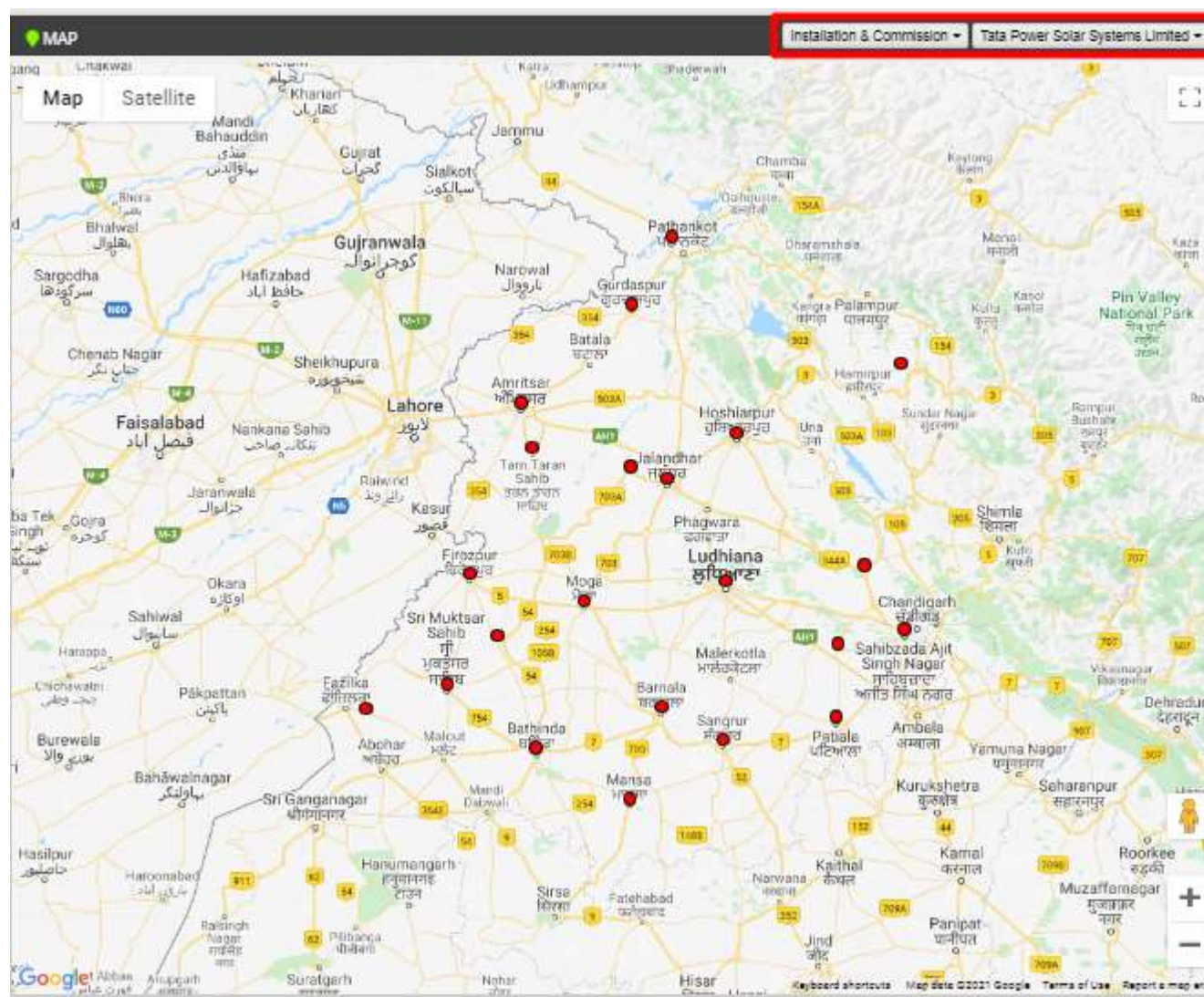


FIGURE 195 FILTER APPLIED: INSTALLATION & COMMISSION, TATA POWER SOLAR SYSTEMS LTD

- 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.

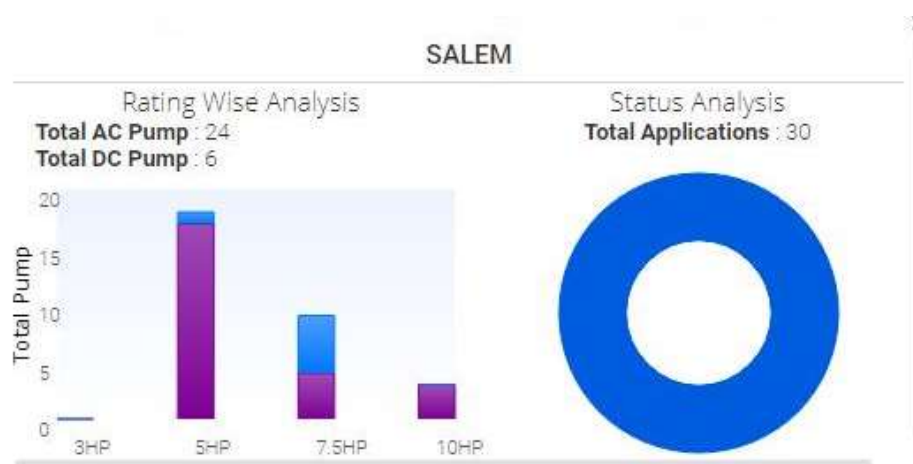


FIGURE 196 CONSUMER/FARMER ANALYSIS STATISTICS FOR DISTRICT-WISE LOCATION

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
 - **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:



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**

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

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

GO | Tabular | Chart

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

CSV | Excel | Search: _____

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

Showing 1 to 7 of 7 entries

FIGURE 198 Yearly Progress Summary – Tabular view

- **Chart View**

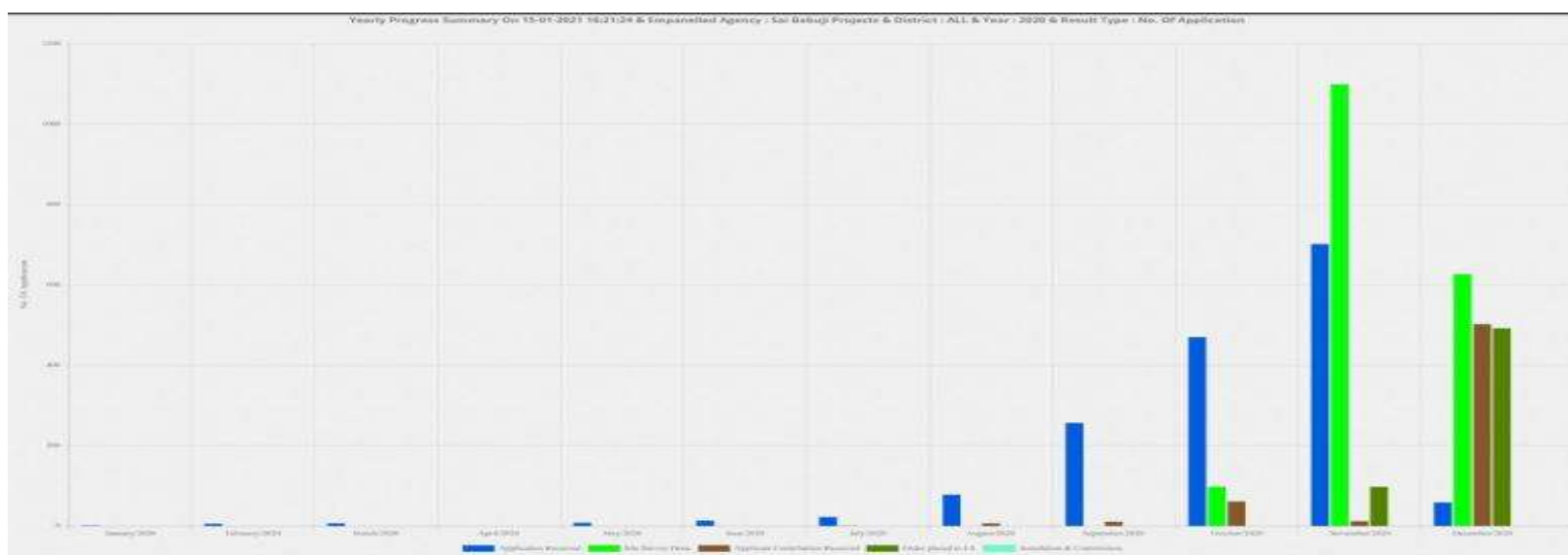


FIGURE 199 Yearly Progress Summary – Chart view

➤ **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**

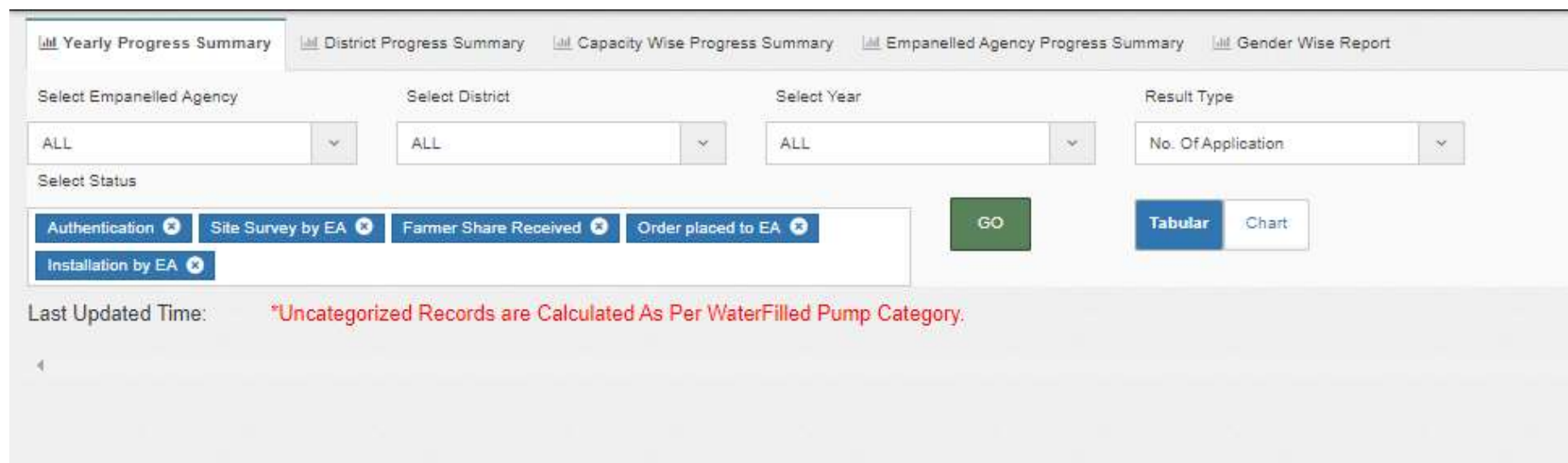


FIGURE 200 District Progress Summary- tabular view

- Chart View

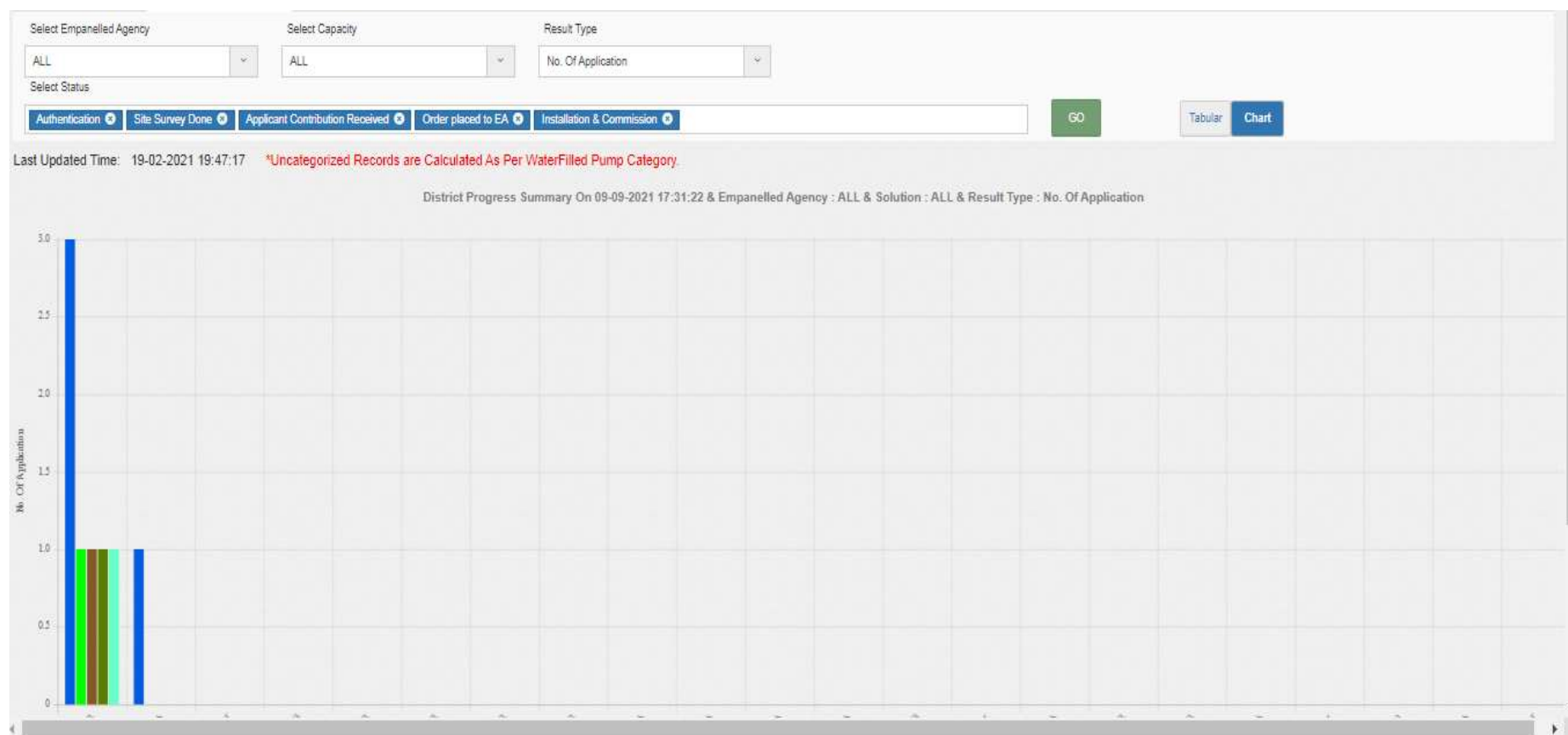


FIGURE 201 DISTRICT PROGRESS SUMMARY – CHART VIEW

➤ 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**

The screenshot displays the 'Capacity Wise Progress Summary' interface in 'Tabular View'. At the top, there are five tabs: 'Yearly Progress Summary', 'District Progress Summary', 'Capacity Wise Progress Summary' (which is active), 'Empanelled Agency Progress Summary', and 'Gender Wise Report'. Below the tabs, there are four dropdown menus: 'Select Empanelled Agency' (set to 'ALL'), 'Select District' (set to 'ALL'), 'Select Year' (set to 'ALL'), and 'Result Type' (set to 'No. Of Application'). Underneath these is a 'Select Status' section with five blue buttons: 'Authentication', 'Site Survey by EA', 'Farmer Share Received', 'Order placed to EA', and 'Installation by EA'. A green 'GO' button is positioned to the right of the status buttons. To the right of the 'GO' button are two more buttons: 'Tabular' (which is highlighted) and 'Chart'. At the bottom left, it says 'Last Updated Time:' followed by a red warning message: '*Uncategorized Records are Calculated As Per WaterFilled Pump Category.' A small left-pointing arrow is visible at the bottom left of the interface.

FIGURE 202 CAPACITY WISE PROGRESS SUMMARY – TABULAR VIEW

- **Chart View**

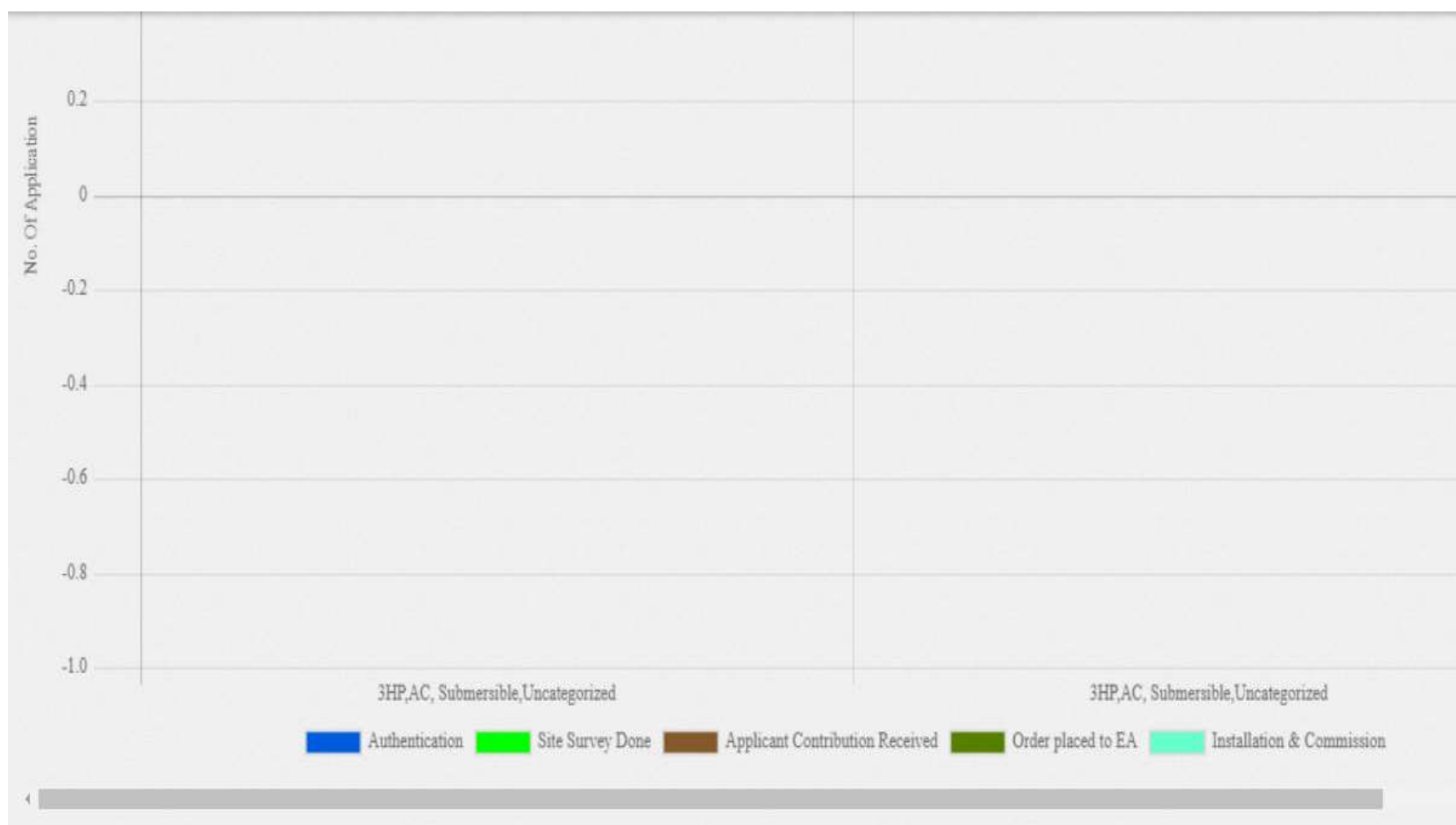


FIGURE 203 CAPACITY WISE PROGRESS SUMMARY – CHART VIEW

➤ **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**

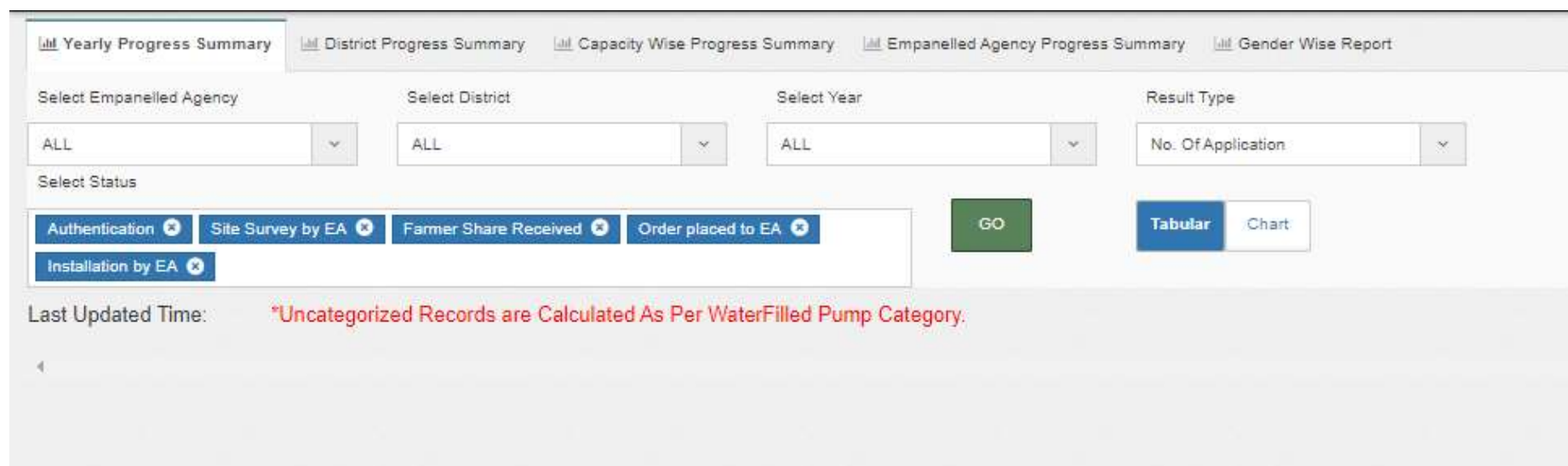


FIGURE 204 EMPANELLED AGENCY PROGRESS SUMMARY – TABULAR VIEW

- **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**

The screenshot displays the 'Gender Wise Report' interface in 'Tabular View'. At the top, there are five tabs: 'Yearly Progress Summary', 'District Progress Summary', 'Capacity Wise Progress Summary', 'Empanelled Agency Progress Summary', and 'Gender Wise Report'. Below the tabs are four dropdown menus: 'Select Empanelled Agency' (set to 'ALL'), 'Select District' (set to 'ALL'), 'Select Year' (set to 'ALL'), and 'Result Type' (set to 'No. Of Application'). There is a 'Select Status' section with five buttons: 'Authentication', 'Site Survey by EA', 'Farmer Share Received', 'Order placed to EA', and 'Installation by EA'. A green 'GO' button is present. To the right of the 'GO' button are two buttons: 'Tabular' (selected) and 'Chart'. Below the filters, it says 'Last Updated Time: *Uncategorized Records are Calculated As Per WaterFilled Pump Category.'

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.

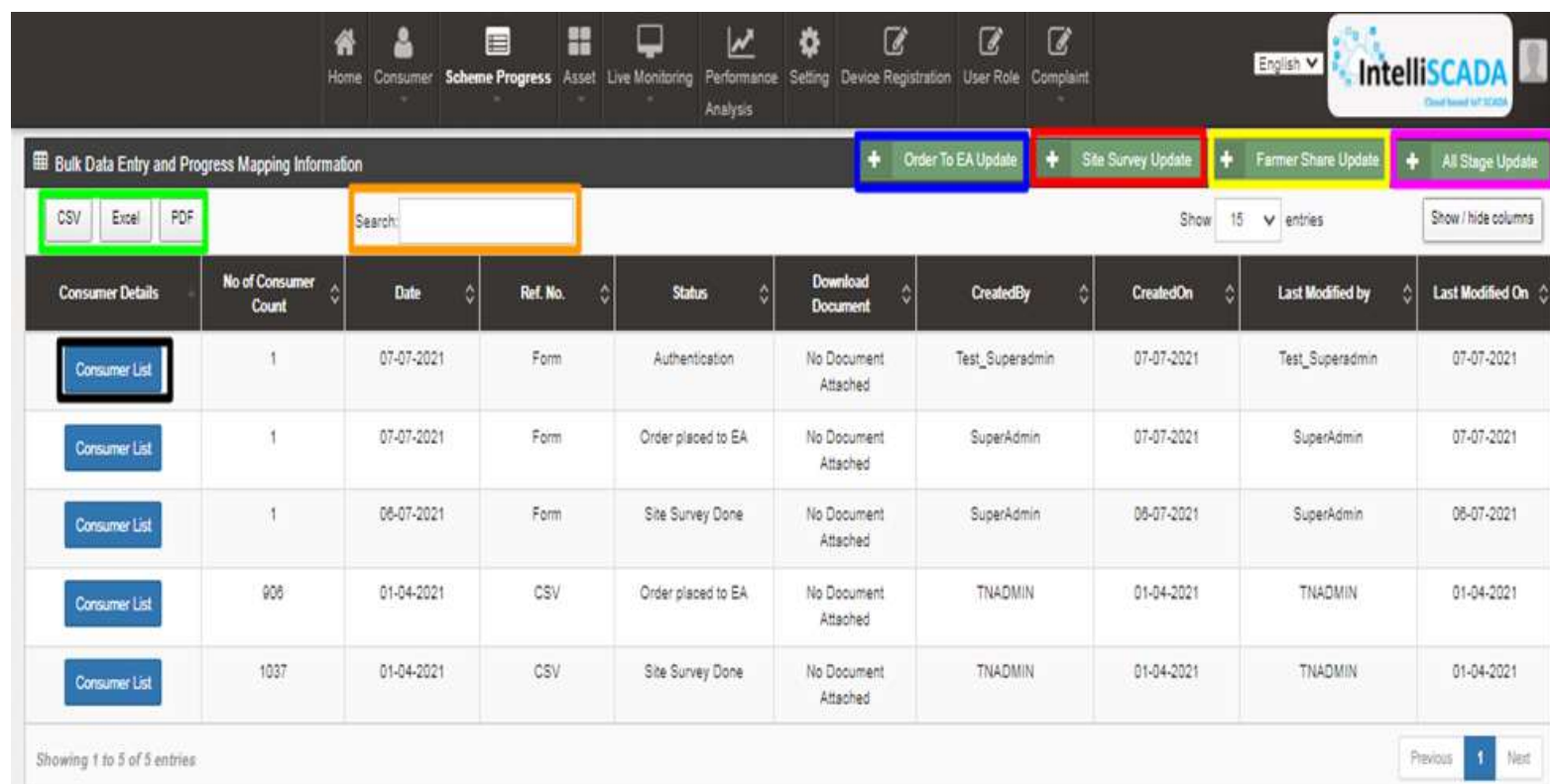


FIGURE 207 BULK PROGRESS MAPPING DASHBOARD

BULK PROGRESS MAPPING DASHBOARD DESCRIPTION

Action	Functionality	Highlighted Colour	Type	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 213 and Figure 214)

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 210) 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 209) 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 212) 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 Error! Reference source not found.) where user can see multiple consumers/farmers whose status has been changed all together.

➤ **Site Survey Bulk Update**

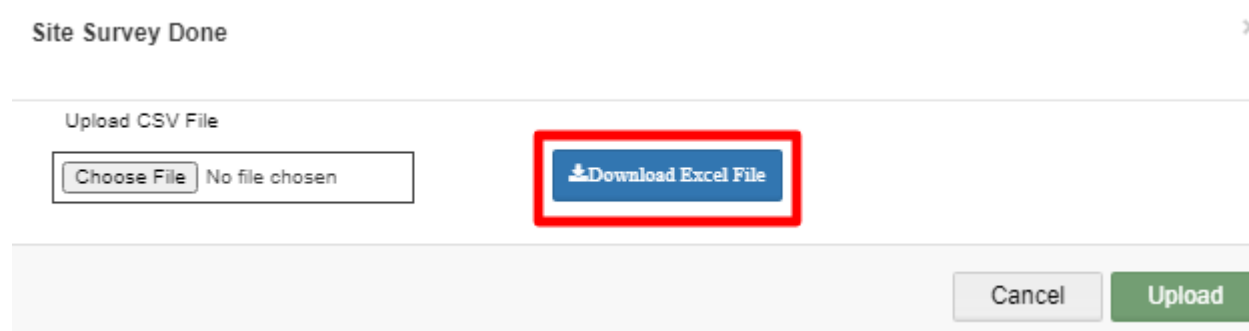


FIGURE 208 SITE SURVEY DONE CSV FILE UPLOAD

- SIA user can update “Site Survey Done” status in bulk.
- He has to download an excel file format (refer format [Error! Reference source not found.](#)) by clicking on Download Excel File. (red highlighted button in above Figure 208)

- 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**

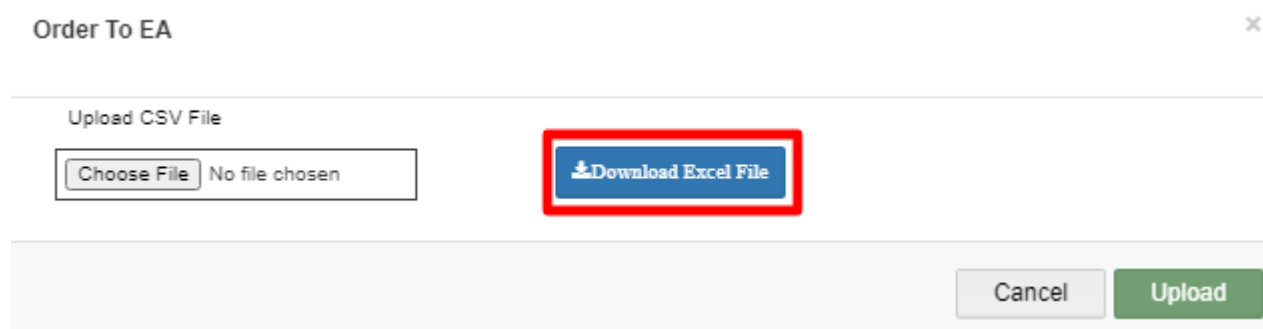


FIGURE 209 ORDER TO EA CSV FILE UPLOAD

- SIA user can update “Order Placed to EA” status in bulk.
- He has to download an excel file format (refer format **Error! Reference source not found.**) by clicking on Download Excel File. (red highlighted button in above Figure 209)

- SIA user has to remove the dummy data (as a format shown in above **Error! Reference source not found.**) 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 209)

➤ **Farmer Share Received Bulk Update**

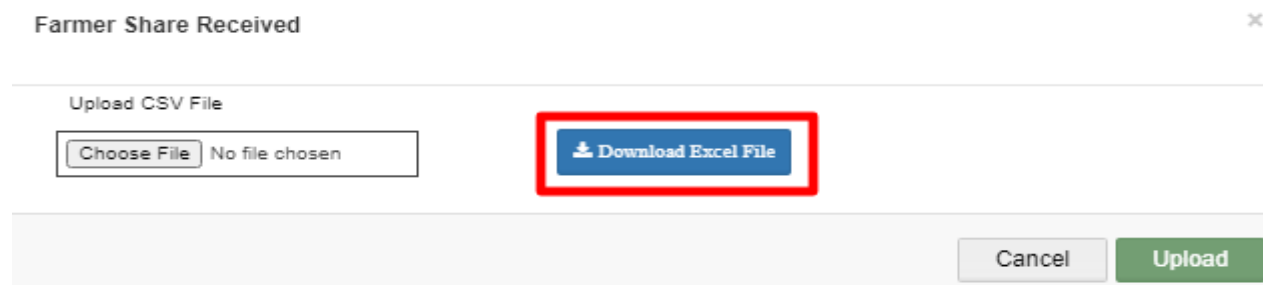


FIGURE 210 FARMER SHARE RECEIVED CSV FILE UPLOAD

- SIA user can update “Farmer Share Received” status in bulk.
- He has to download an excel file format (refer format Figure 211) by clicking on Download Excel File. (red highlighted button in above Figure 210)

FIGURE 211 SITE SURVEY 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 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 210)
- 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.

Bulk Progress Update

Select a date* 2021/01/15

Select District* Please Select

Select Farmer Status Update To*

Ref.No. Ref.No.

File input Choose File No file chosen

Non-selected Empty list Search

Selected Empty list Search

Save changes Close

FIGURE 212 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 212)

- 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 213 PDF OUTPUT

- EXCEL/CSV :

BulkProgressMapping									
Consumer Details	No of Consumer Count	Date	Ref. No.	Status	Download Document	CreatedBy	CreatedOn	Last Modified by	Last Modified On
Consumer List	1	07-07-2021	Form	Authentication	No Document Attached	Test_Superadmin	07-07-2021	Test_Superadmin	07-07-2021
Consumer List	1	07-07-2021	Form	Order placed to EA	No Document Attached	SuperAdmin	07-07-2021	SuperAdmin	07-07-2021
Consumer List	1	06-07-2021	Form	Site Survey Done	No Document Attached	SuperAdmin	06-07-2021	SuperAdmin	06-07-2021
Consumer List	906	01-04-2021	CSV	Order placed to EA	No Document Attached	TNADMIN	01-04-2021	TNADMIN	01-04-2021
Consumer List	1037	01-04-2021	CSV	Site Survey Done	No Document Attached	TNADMIN	01-04-2021	TNADMIN	01-04-2021

FIGURE 214 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

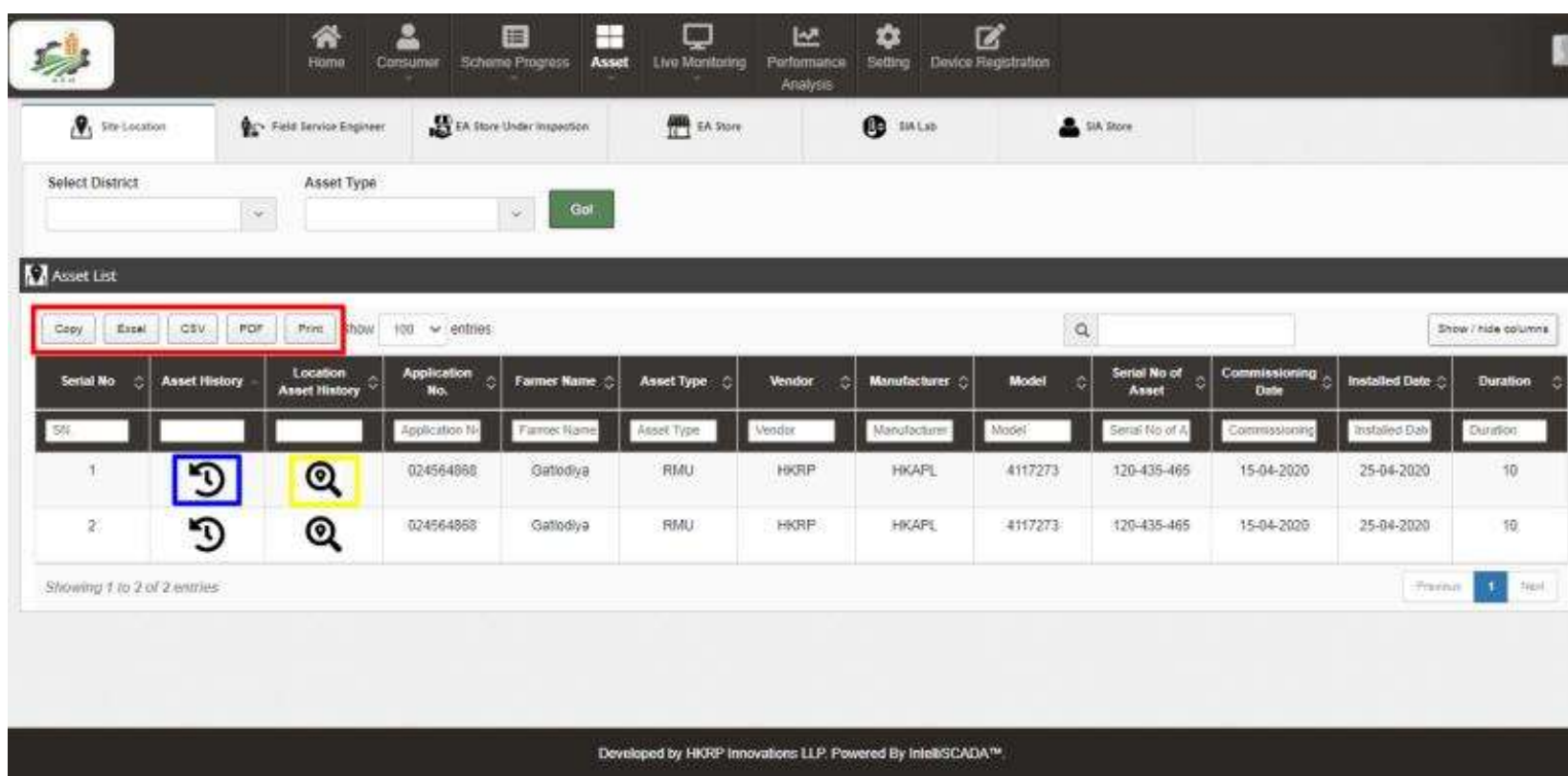


FIGURE 215 SITE LOCATION DASHBOARD

SITE LOCATION DASHBOARD DESCRIPTION				
Action	Functionality	Highlighted Colour	Type	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.

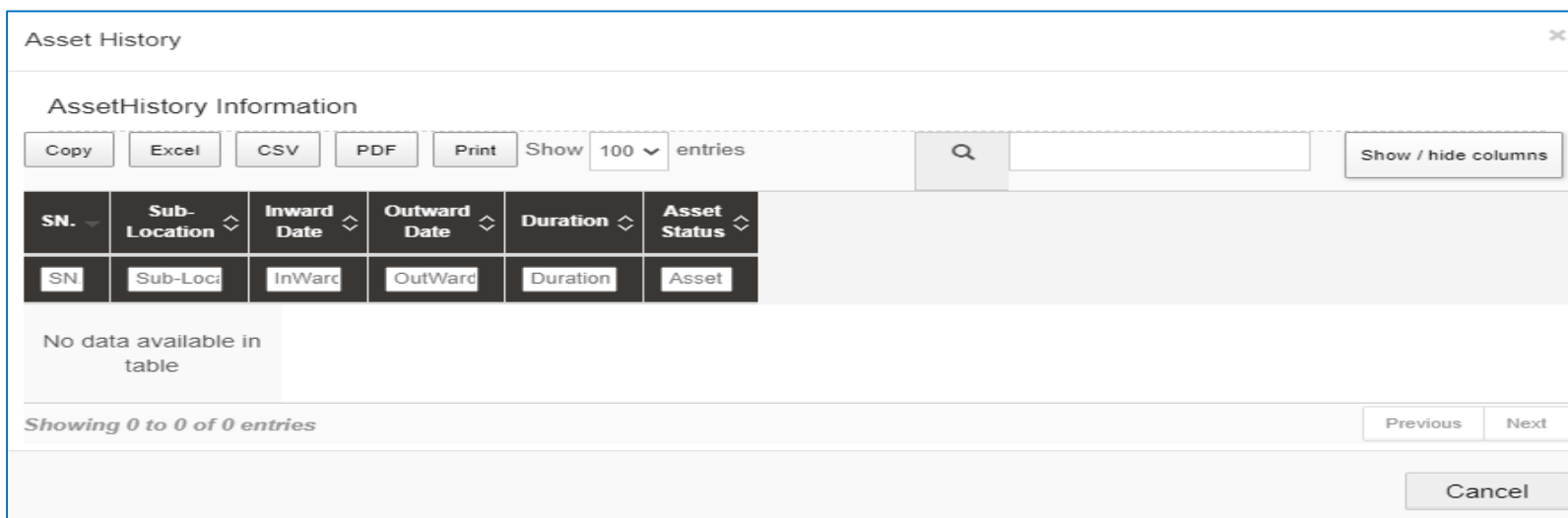


FIGURE 216 ASSET HISTORY

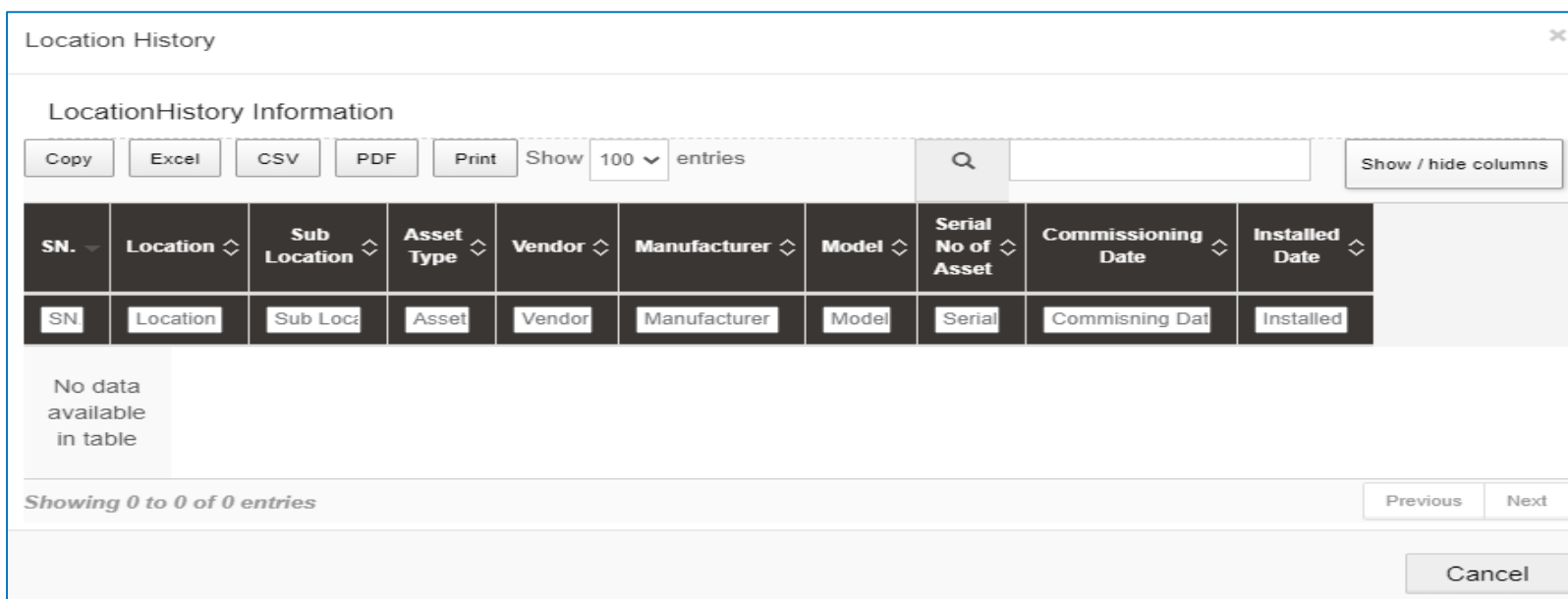


FIGURE 217 LOCATION HISTORY

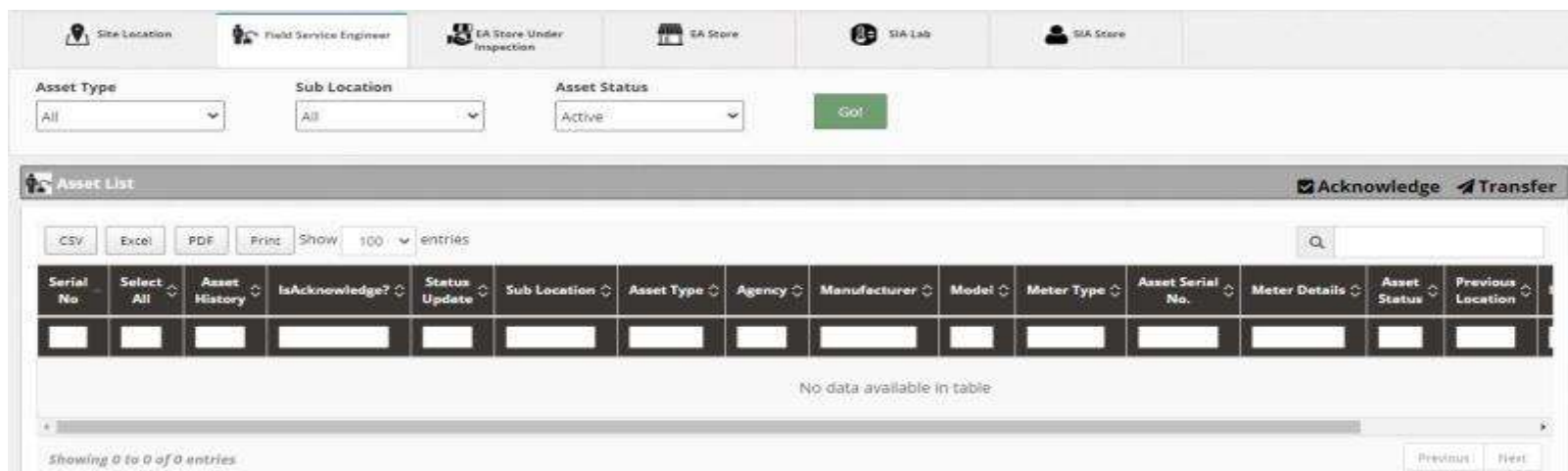


FIGURE 218 FIELD SERVICE ENGINEER DASHBOARD

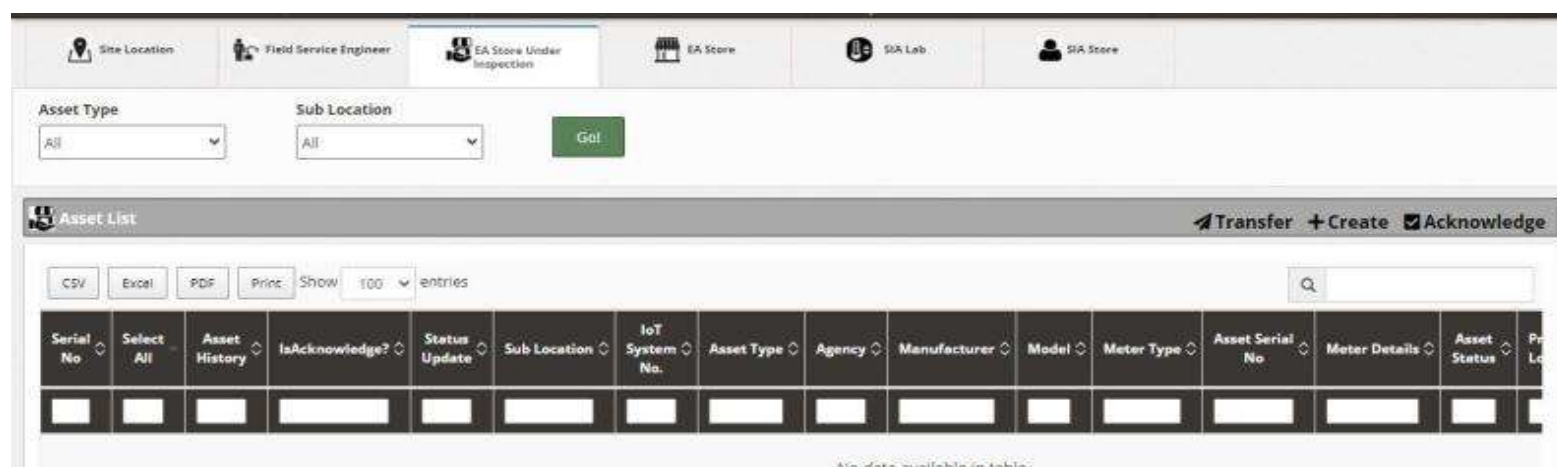


FIGURE 219 EA SERVICE STORE INSPECTION

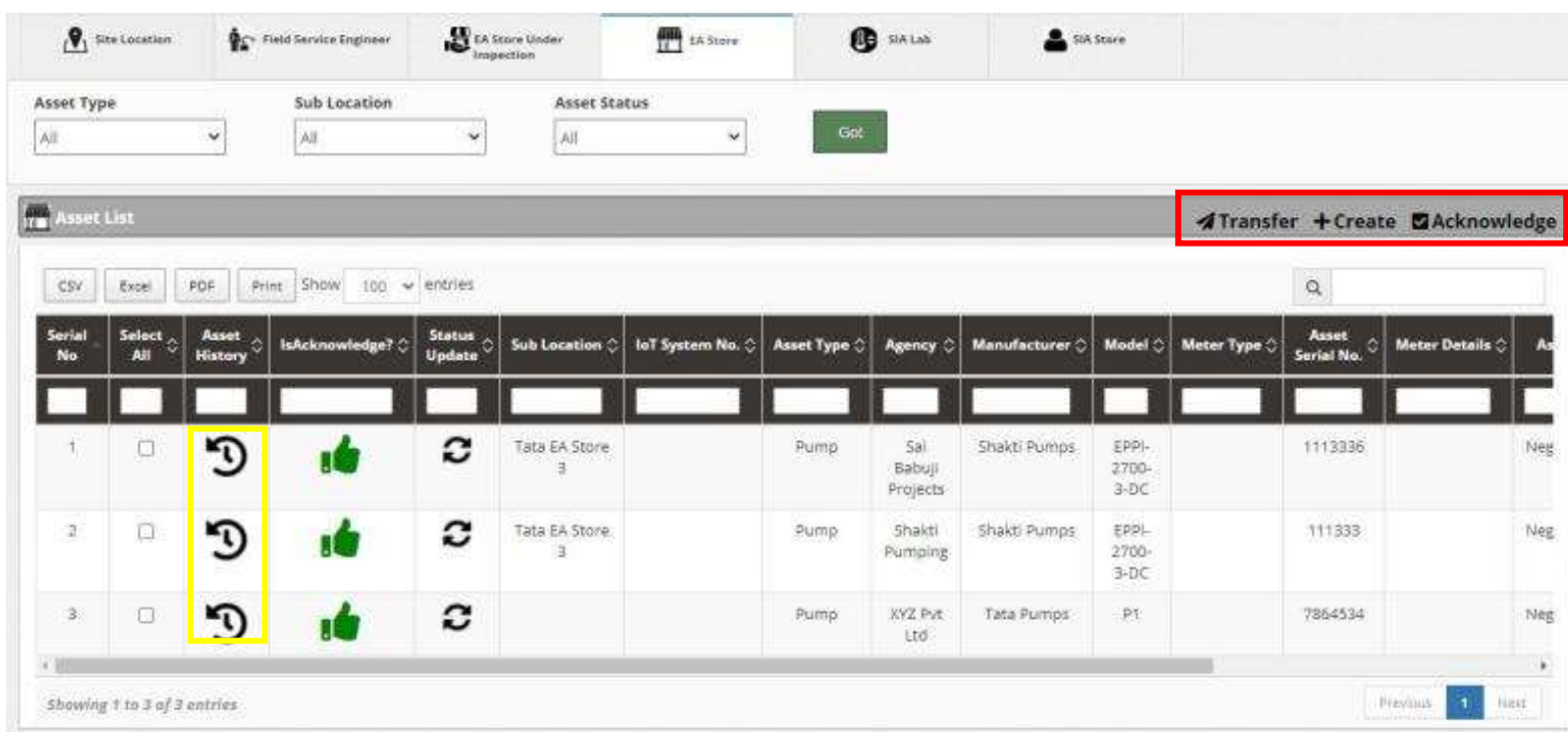


FIGURE 220 EA STORE

EA STORE DASHBOARD DESCRIPTION				
Action	Functionality	Highlighted Colour	Type	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.

FIGURE 221 STATUS UPDATE POP-UP BOX

FIGURE 222 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.

FIGURE 223 CREATE POP-UP BOX

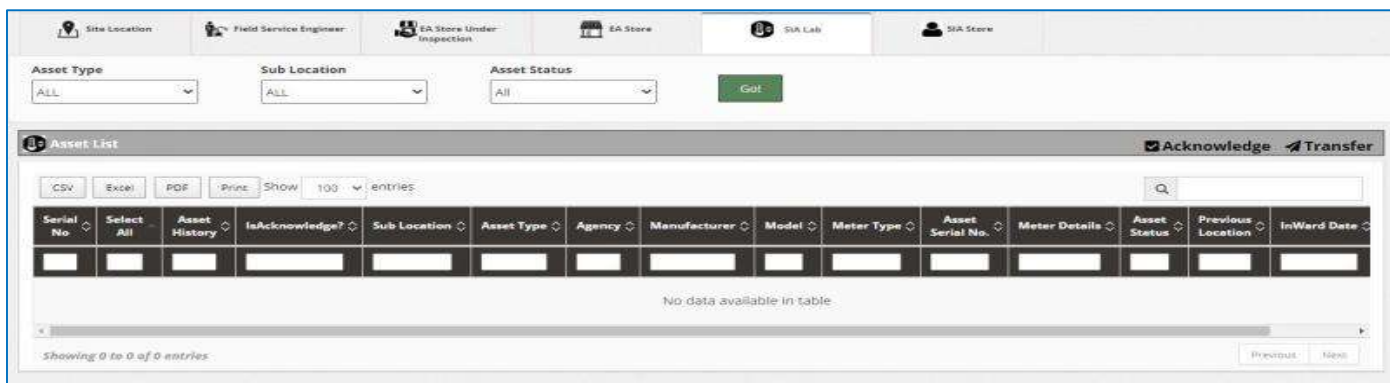


FIGURE 224 SIA LAB

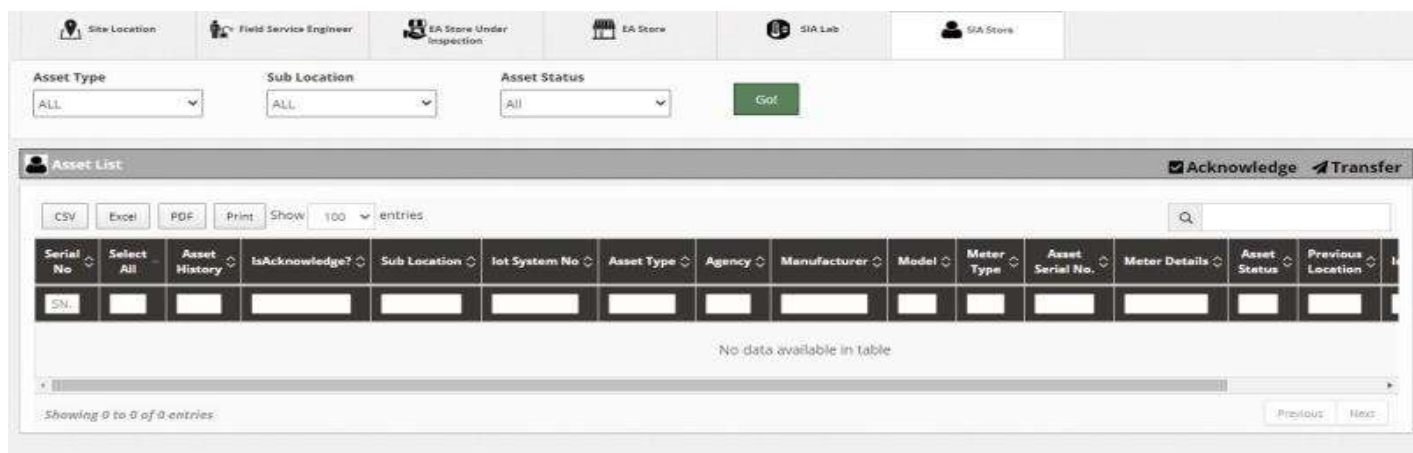



FIGURE 225 SIA STORE

- 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 226, Figure 227 and Figure 228)



FIGURE 226 ASSET DASHBOARD FILTER – ASSET TYPE



The screenshot shows a filter section with three dropdown menus: 'Asset Type' (set to 'All'), 'Sub Location' (open with options 'All', 'Tata EA Store 3', and 'Gurgaon EA Store 2'), and 'Asset Status' (set to 'All'). A green 'Go!' button is located to the right of the filters.

FIGURE 227 ASSET DASHBOARD FILTER – SUB LOCATION



The screenshot shows the same filter section as Figure 227, but with the 'Asset Status' dropdown menu open. The options are: 'All', 'Active', 'Defective', 'Damaged', 'Burnt', 'NegativeReading', 'Replacement', 'Repair', and 'Stores'. Below the filters, there is an 'Asset List' section with buttons for 'CSV', 'Excel', 'PDF', 'Print', and a 'Show 100 entries' dropdown. The table header includes columns for 'Serial No', 'Select All', 'Asset History', 'IsAcknowledge?', 'Sub Location', 'Agency', and 'Manuf'.

FIGURE 228 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

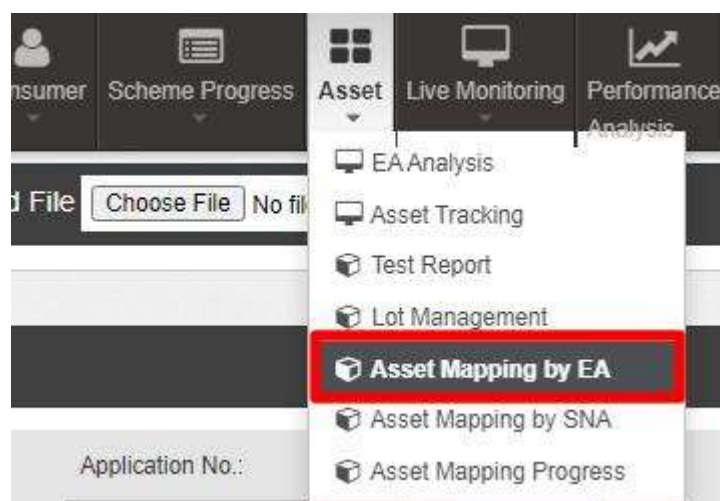


FIGURE 229 ASSET MAPPING BY EA OPTION

- 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.

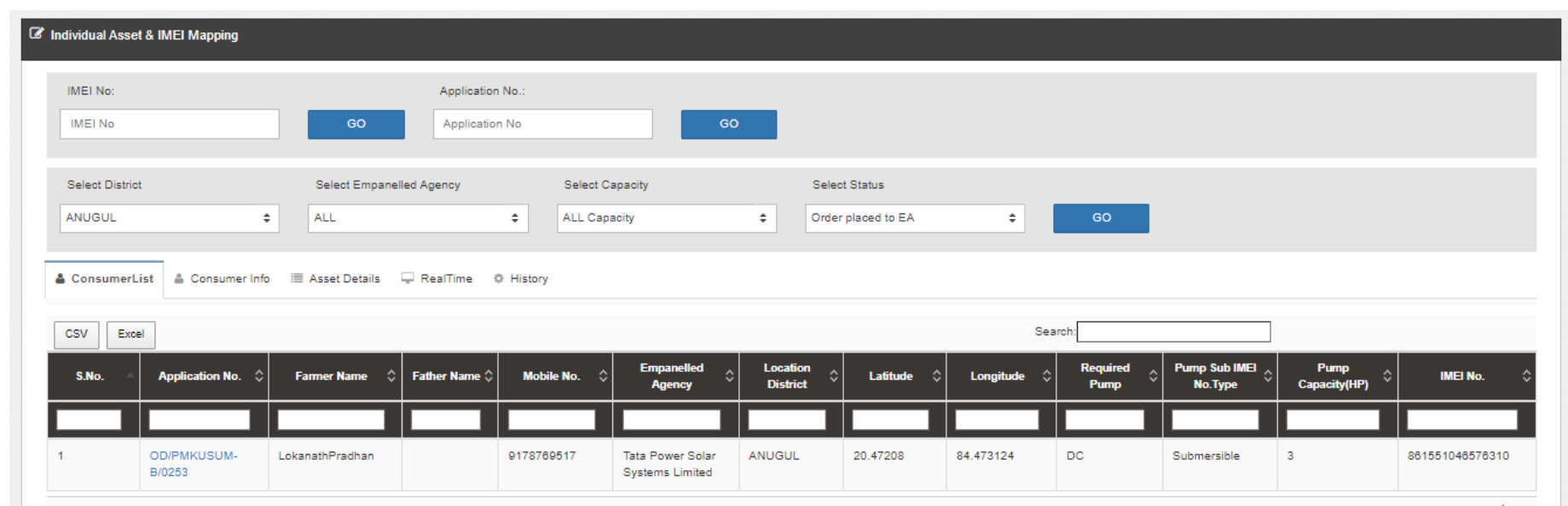


FIGURE 230 ASSET MAPPING BY EA DASHBOARD

- After searching for the consumer/farmer details, EA user has to click on the application number (highlighted in red in above Figure 230) to redirect to the “IMEI Replacement” button in consumer info tab. (highlighted in red in below Figure 231)

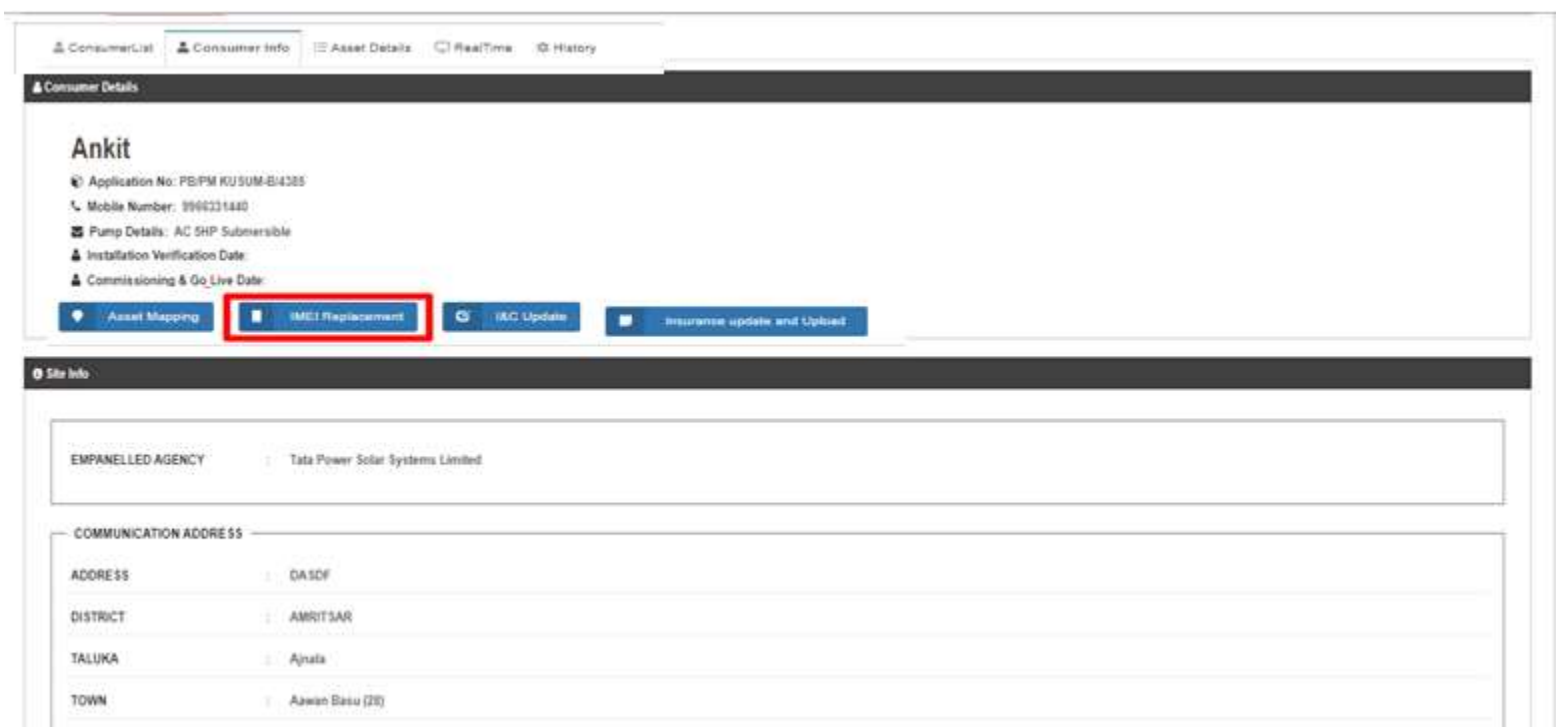


FIGURE 231 IMEI REPLACEMENT BUTTON

- 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 232)
- 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.

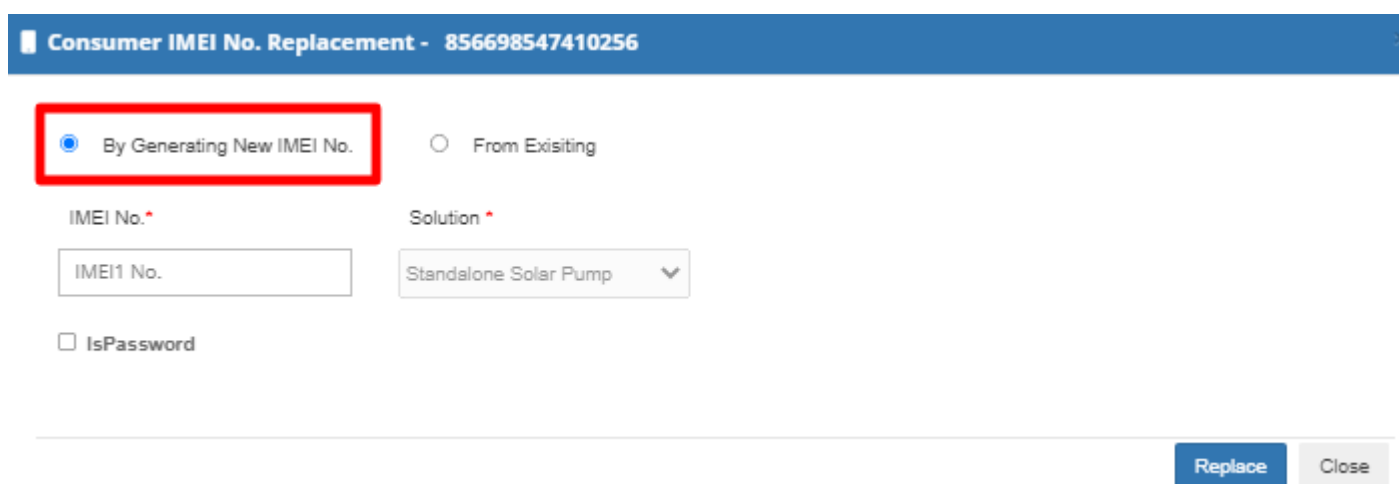


FIGURE 232 IMEI No. REPLACEMENT BY GENERATING NEW IMEI No.

- User can also replace already registered IMEI no. by selecting 2nd Option i.e. “From Existing” (highlighted in red in below Figure 233)

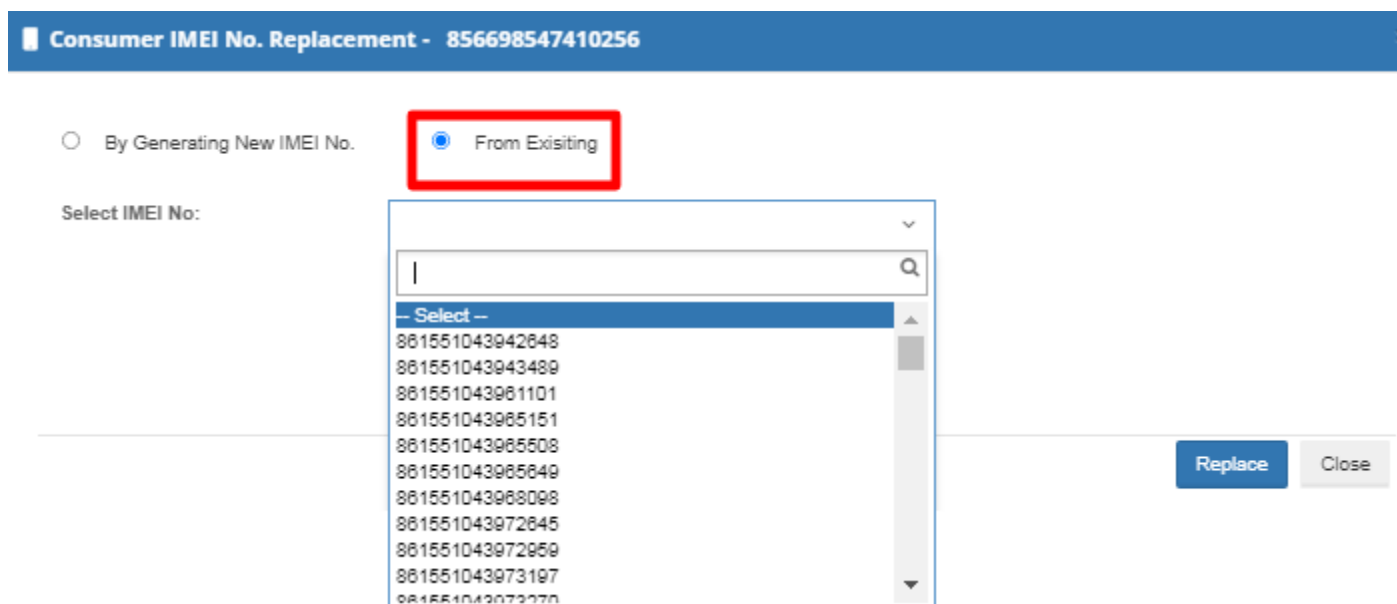


FIGURE 233 IMEI No. REPLACEMENT FROM REGISTERED IMEI NOS.

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 234) and then selecting the option of ‘Logout’ (highlighted in red in below Figure 234).

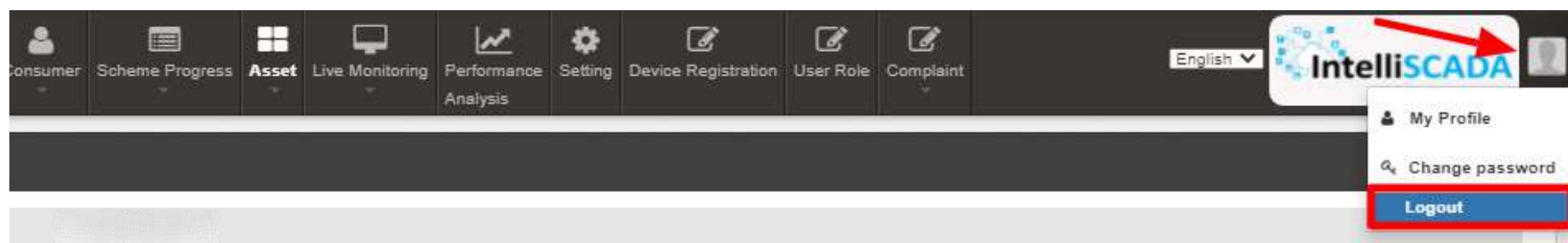


FIGURE 234 LOGOUT

- 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 235), 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 236)

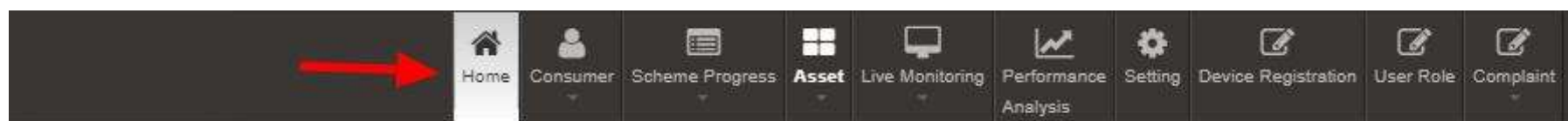


FIGURE 235 HOME SELECTED



FIGURE 236 SIGN OUT

29. SUPPORT TEAM CONTACT DETAILS

Name	Designation	Organization	Email	Phone
Mr. Surinder Pal Singh	Manager	OREDA	surinderpal.singh72@odisha.gov.in	9463102385
Mr. Jaspreet Singh	-	OREDA	jaspreet.singh603@odisha.gov.in	7009978502
Mr. Bikram Singh	Assistant Manager (T)	OREDA	bvsingh@oreda.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.

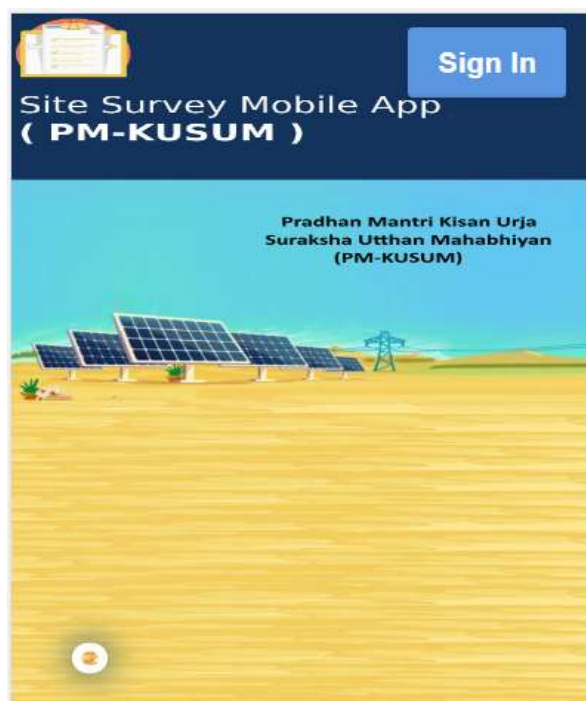


FIGURE 237 WELCOME PAGE OF SITE SURVEY MOBILE APPLICATION

❖ 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.

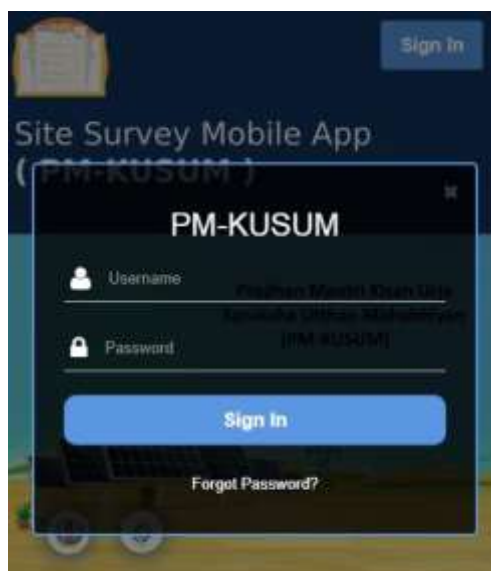


FIGURE 238 SIGN IN BOX

❖ 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.

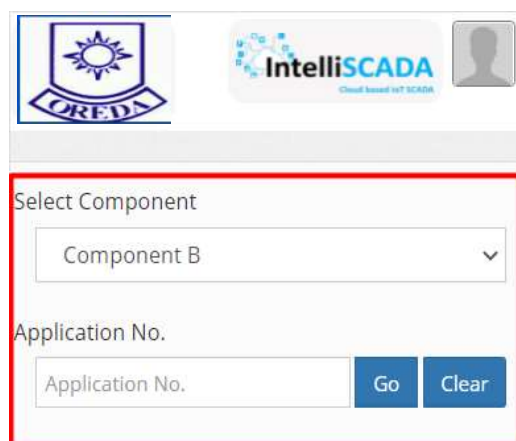
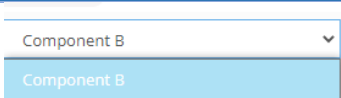


FIGURE 239 SELECT COMPONENT AND APPLICATION NO

SITE SURVEY FILTERS					
Field	Input	Image	Mandatory Field	Sample Value	Description
Component	Drop Down		✓	Component B	Selection of Component of PM KUSUM scheme which they need to inspect or update the site details
Application No.	Text	-	✓	OD/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

Select Component
Component B

Application No.
PB/PM KUSUM-B/4375 Go Clear

INFORMATION OF APPLICANT		
1	Application No.	PB/PM KUSUM-B/4375
2	Applicant Name	KURDARAM
3	Applicant Contact No.	9812768023
4	Type of Applicant	Farmer
5	Applicant Category	SC/ST
Details of farm where Solar Pump is to be installed		
6	Land Survey No.	Empty
8	Location District	AMRITSAR
10	Location of Taluka	Empty
11	Location of Village	Empty
12	Latitude	22.5558
	Get Current Location	
13	Longitude	75.2965
PUMP DETAILS		
14	Required Pump Capacity	3
15	Required Pump Type	AC
16	Required Pump Sub Type	Submersible
17	Required Pump Category	Water Filled
SOLAR DETAILS		
18	Agree to install Universal Solar Pump Controller Without Subsidy	No
19	Is South facing shadow free land available at site for installation of solar pump?	No
20	Water Depth Level At site (in meter)	5
20	Source of Water	Empty
21	Size of Existing bore well (in meter)	1
22	Source of power for existing pump	Empty
23	Is farmer having electric connection of the DISCOM at the site?	Empty
24	Photograph of site	Attachments :- No Document Found
25	UGPL/Sprinkler/Drip Irrigation installed	Micro Irrigation
26	Is Site Suitable For Installation Of Solar Pump?	No
Designation of Surveyor from Empanelled Agency		
27	Farmer Consent Form Upload	Attachments :- No Document Found
28	Remark	
<input type="checkbox"/>	It is Certified that We Tata Power Solar Systems Limited have inspected the said site on dated 09-09-2021 and as per site survey, the site is Not Suitable for installation of 3HP Capacity Submersible AC type solar pump.	

Save All

FIGURE 240 CONSUMER SITE SURVEY DETAILS

Sr. No. SITE SURVEY DETAILS		
INFORMATION OF APPLICANT		
1	Application No.	OD/PM KUSM-B/4375
2	Applicant Name	KURDARAM
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 BE INSTALLED		
9	Land Survey No.	100
10	Sub Division No.	150
11	Location District	BALANGIR
12	Location Revenue Division	BALANGIR
13	Location Taluka	balangir
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 the Site?	No
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 EMPANELLED 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	<p>Attachments :-  ← Click to upload photo</p> <table border="1"> <tr> <td>HBKL.png</td> <td></td> </tr> <tr> <td>HF.png</td> <td></td> </tr> <tr> <td>FUJ.png</td> <td></td> </tr> </table>	HBKL.png		HF.png		FUJ.png	
HBKL.png								
HF.png								
FUJ.png								
28	UGPL/Sprinkler/Drip irrigation installed	<p><u>Underground pipeline (UGPL)</u></p> <p>↑ Click to download uploaded photo</p>						
29	Is Site Suitable For Installation Of Solar Pump ?	No						
Designation of Surveyor from Empanelled Agency								
30	Farmer Consent Form Upload	<p>Attachments :- </p> <table border="1"> <tr> <td>HJF.png</td> <td></td> </tr> </table>	HJF.png					
HJF.png								

FIGURE 241 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 241 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 241 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 241, 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 241, 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 242.

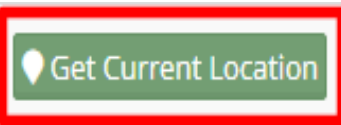
15	Latitude		
16	Longitude		

FIGURE 242 GET CURRENT LOCATION BUTTON

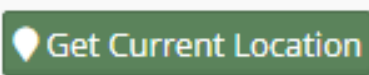
15	Latitude		23.0696
16	Longitude		72.5323

FIGURE 243 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 244), present at the top right corner on the title bar of the Site Survey Mobile App Dashboard and then selecting the option of ‘Logout’.



FIGURE 244 LOGOUT BUTTON

NOTE : To update status “Site Survey Done” in **bulk** i.e. of multiple consumers/farmers at once, click [here](#) 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



FIGURE 245 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 246)



FIGURE 246 IMEI BULK UPLOAD

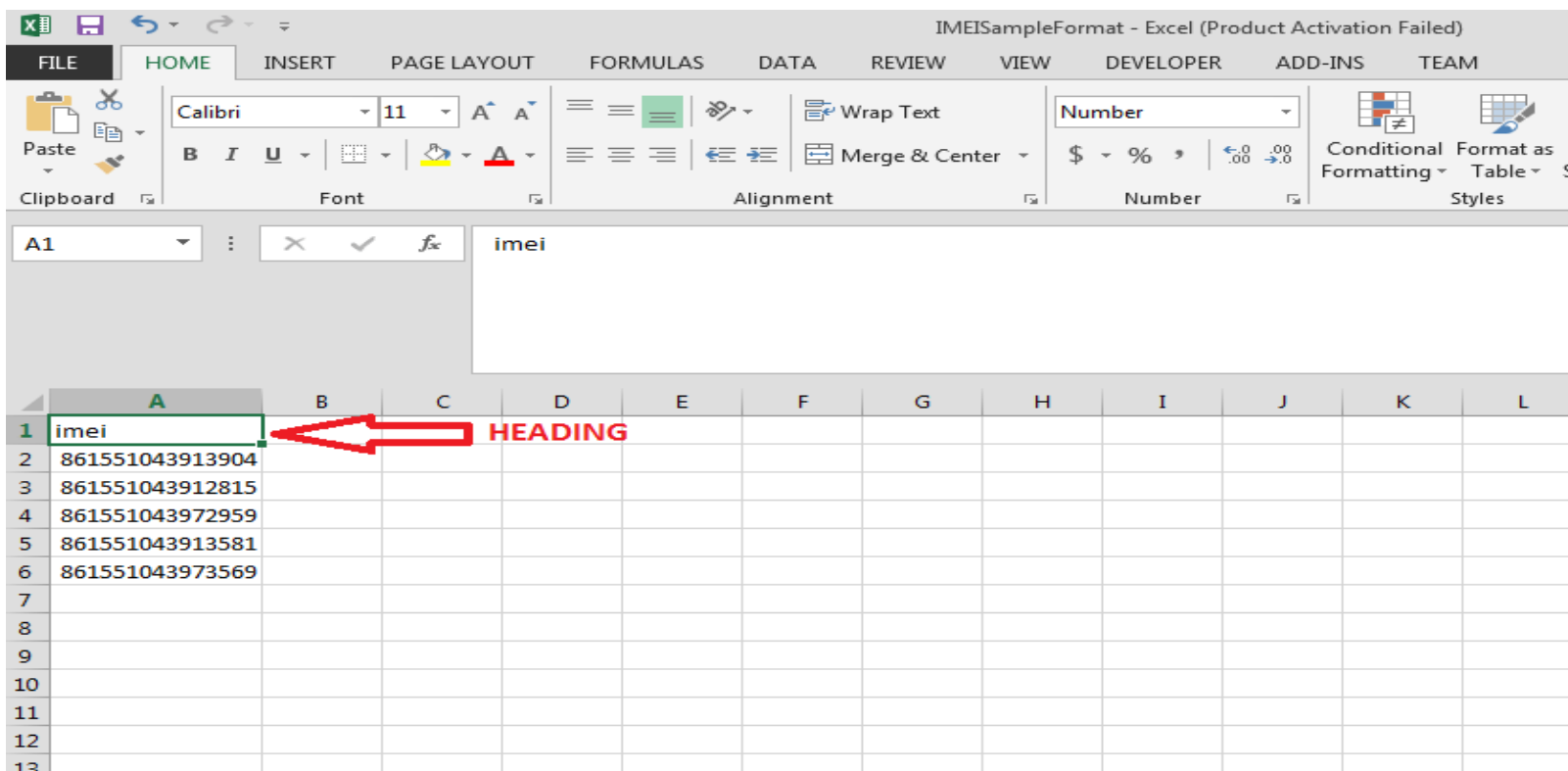


FIGURE 247 IMEI No. CSV FORMAT

- 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 247.
- After creating the CSV file carrying IMEI nos., user has to click on the “Upload Device Registration” button as highlighted in blue in Figure 246: “IMEI bulk upload”.
- A window screen will appear to upload the CSV file carrying IMEI nos. as shown in below Figure 248.

FIGURE 248 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 248)
- 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 248)

➤ 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 249)



FIGURE 249 ADD NEW DEVICE REGISTRATION BUTTON

- When EA user will click on the “Add New Device Registration” button, a window screen will appear to enter the 15 digit IMEI no. (as shown in below Figure 250)
- When the user select “Is Password” option (highlighted in red in below Figure 250), 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

IMEI No.* 856415478856985

Solution* Standalone Solar Pump

Empanelled Agency* Premier Solar System Pvt Ltd

IsPassword

Cancel Save

FIGURE 250 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.

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