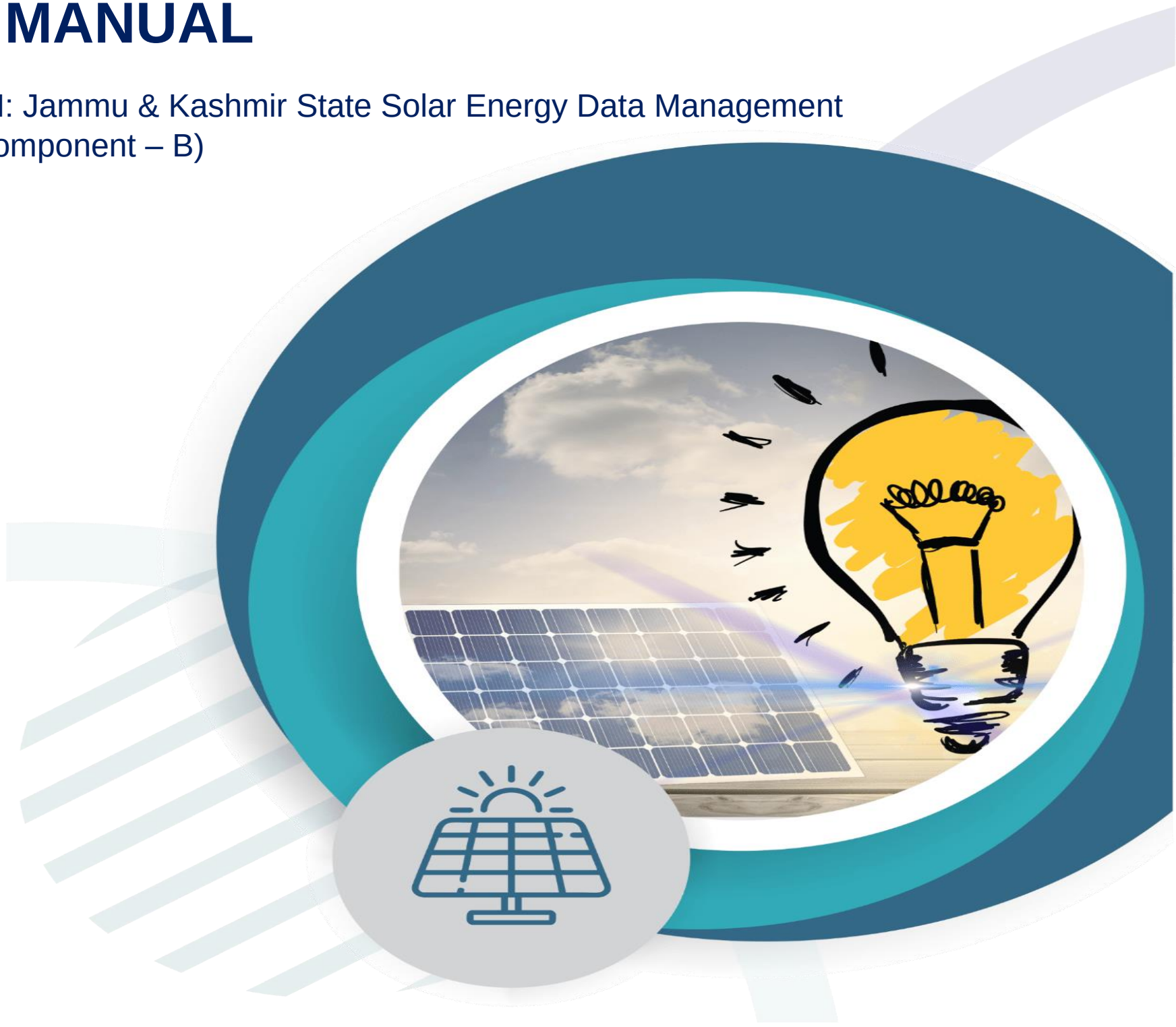
USER MANUAL

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



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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 11
2. SEDM PURPOSE & VISION 12
3. WELCOME PAGE 13
4. SIGN IN ON SEDM PLATFORM 22
5. HOME PAGE 24
6. USER PROFILE PAGE 25
7. CHANGE PASSWORD 29
8. REGISTER NEW STATE IMPLEMENTING AGENCY (SIA) & EMPANELLED AGENCY (EA) 31
9. SETTING MODULE 32
9.1. REGISTRATION OF EMPANELLED AGENCY (EA) 33
9.2. REGISTRATION OF STATE IMPLEMENTING AGENCY (SIA) 38
10. USER ROLE MANAGEMENT 44
10.1 REGISTER NEW USER 45
11. MASTER SETTINGS (CONFIGURATIONS) 73
11.1. REGISTRATION OF TENDER 74
11.2. EA RATE CARD 79
11.3. REGISTRATION OF EA STORE SUB LOCATION 84
11.4. REGISTRATION OF MANUFACTURER DETAILS 88
11.5. REGISTRATION OF PRODUCT DETAILS 94
11.6. REGISTRATION OF TENDER CHECKLIST 99
11.7. REGISTRATION OF TENDER CHECKLIST DETAILS 105
11.8. AUDIT TRAIL 110
12. APPLICATION WORKFLOW STAGES 114
13. CONSUMER/FARMER APPLICATION REGISTRATION 115
14. FEASIBLE APPLICATION 142
15. FARMER SHARE RECEIVED 146
16. ORDER PLACED TO EMPANELLED AGENCY (EA) 148
17. ASSET TEST REPORT CREATION BY EA 150
18. LOT CREATION & UPDATING PDI STATUS 157
19. INSTALLATION AND COMMISSION (I&C) DONE 170
19.1 ASSET SERIAL NO. AND IMEI NUMBER MAPPING 171
19.2 INSTALLATION & COMMISSION DONE (I&C) 176

20. INSTALLATION & COMMISSION (I&C) VERIFICATION 182
21. PCR (PROJECT COMPLETION REPORT) 187
22. LIVE MONITORING 194
23. PERFORMANCE ANALYSIS 202
24. SUMMARY 211
25. CONSUMER/FARMER MANAGEMENT ANALYSIS 217
26. SCHEME PROGRESS 224
26.1 SCHEME PROGRESS REPORT 226
26.2 BULK PROGRESS MAPPING 235
27. ASSET TRACKING & REPLACEMENT 241
28. SIGN OUT 252
29. SUPPORT TEAM CONTACT DETAILS 254
ANNEXURE-I (SITE SURVEY DONE) 255
ANNEXURE-II (IMEI NUMBER REGISTRATION) 265

Figures

Figure 1 Welcome Page 13
Figure 2 Frequently Asked Questions (FAQs) 14
Figure 3 Hindi Selected 15
Figure 4 Component – B District Wise Details 16
Figure 5 PM-KUSUM Component - B District Wise Status Report 17
Figure 6 Installers 18
Figure 7 Track Application 19
Figure 8 Application Entered To Track Application 19
Figure 9 Track Application Report 20
Figure 10 Notice 21
Figure 11 Important Documents 21
Figure 12 Contact Us 22
Figure 13 Sign In Page 23
Figure 14 Sign In screens 24
Figure 15 Home Page 25
Figure 16 User Profile Information box 27
Figure 17 Change Password 29
Figure 18 Modules 31
Figure 19 Setting Module 32
Figure 20 Empanelled Agency Tab 33
Figure 21 Empanelled Agency Tab Dashboard 34
Figure 22 CSV of Empanelled Agency Details 34
Figure 23 New Empanelled Agency Details 35
Figure 24 State Implementing Agency Tab 39
Figure 25 State Implementing Agency Tab Dashboard 39
Figure 26 CSV of State Implementing Agency Details 40
Figure 27 New State Implementing Agency Details 41
Figure 28 User Role Module 44
Figure 29 Add User Button on User Role Dashboard 45
Figure 30 Add User Form 49
Figure 31 User Information 50
Figure 32 Module Roles 56
Figure 33 Consumer Functionality 57
Figure 34 Scheme Progress Functionality 59
Figure 35 Site Survey Functionality 60
Figure 36 Asset Functionality 62
Figure 37 Live Monitoring Functionality 64
Figure 38 Device Registration Functionality 65
Figure 39 Complaint Sub Modules 66
Figure 40 User Role Dashboard 67
Figure 41 Change Password Screen 68
Figure 42 Assign Farmer Rights 70
Figure 43 User Role Module Selection Screen 72
Figure 44 Setting Module 73
Figure 45 Tender Tab 74
Figure 46 Tender Tab Dashboard 75
Figure 47 CSV of Tender Details 76
Figure 48 New Tender Details 77
Figure 49 EA Rate Card Tab 79

Figure 50 EA Rate Card Dashboard **80**
Figure 51 CSV of EA Rate Card Details Figure **81**
Figure 52 New EA Rate Card Details **82**
Figure 53 EA Store Sub Location Tab **85**
Figure 54 EA Store Sub Location Dashboard **86**
Figure 55 CSV of EA Store Sub Location Details **87**
Figure 56 New EA Store Sub Location Details **87**
Figure 57 Manufacturer Tab **89**
Figure 58 Manufacturer Tab Dashboard **90**
Figure 59 CSV of Manufacturer Details **91**
Figure 60 New Manufacturer Details **92**
Figure 61 Product Tab **95**
Figure 62 Product Tab Dashboard **96**
Figure 63 CSV of Product Details **97**
Figure 64 New Product Details **98**
Figure 65 Tender Checklist Tab **100**
Figure 66 Tender Checklist Tab Dashboard **101**
Figure 67 CSV of Tender Checklist **102**
Figure 68 New Checklist Details **103**
Figure 69 Tender Checklist Detail Tab **106**
Figure 70 Select Tender Checklist Template **106**
Figure 71 Tender Checklist Template Dashboard **107**
Figure 72 CSV of Tender Checklist Template **108**
73 New Tender Checklist Details **108**
Figure 74 Audit Tab **110**
Figure 75 Audit Tab Filters **111**
Figure 76 Audit Dashboard (Applied Filters) **112**
Figure 77 Audit Details – CSV File **113**
Figure 78 Details **115**
Figure 79 Select District **115**
Figure 80 District List **115**
Figure 81 Add Farmer Button **116**
Figure 82 Add farmer Form **116**
Figure 83 Application & Consumer Details **117**
Figure 84 Communication & Location Details **119**
Figure 85 Irrigation Details **121**
Figure 86 Pump Details **122**
Figure 87 Solar Details **123**
Figure 88 Agriculture Details **124**
Figure 89 Financial & Commercial Details **125**
Figure 90 Other Details **126**
Figure 91 Loan Details **128**
Figure 92 Bank Details **129**
Figure 93 List of Document Attached **130**
Figure 94 Detail Dashboard **130**
Figure 95 Consumer Detail Data Columns (i) **131**
Figure 96 Consumer Detail Data Columns (ii) ..... Error! Bookmark not defined.
Figure 97 Consumer/Farmer Detail Dashboard **133**
Figure 98 Confirmation Screen to Delete All Updated Consumer/Farmer Application Status **133**
Figure 99 Filter 1 Solution & Empanelled Agency **134**
Figure 100 Filter 2 Empanelled Agency **134**

Figure 101 District Survey Summary Details CSV ..... Error! Bookmark not defined.
Figure 102 Download data Filters Screen **135**
Figure 103 Details dashboard csv file (i) **135**
Figure 104 Details dashboard csv file (ii) **135**
Figure 105 Details dashboard Excel file (i) **136**
Figure 106 Details dashboard Excel file (ii) **136**
Figure 107 Details dashboard Excel file (iii) **137**
Figure 108 Details dashboard PDF **138**
Figure 109 Show / Hide columns filter **139**
Figure 110 Scheme Progress report for Consumer/Farmer **140**
Figure 111 Site Survey Detail of Consumer/Farmer **141**
Figure 112 Details **142**
Figure 113 Details Dashboard **143**
Figure 114 Site Survey Details **143**
Figure 115 Application Accept button **144**
Figure 116 Application Hold-Reject Button **144**
Figure 117 Reason for Application Hold/Reject **144**
Figure 118 Farmer Application Flow Chart **145**
Figure 119 Details **146**
Figure 120 Updated Farmer Share Received **147**
Figure 121 Details **148**
Figure 122 Details Dashboard **148**
Figure 123 Assign EA to the Consumer/Farmer. **149**
Figure 124 Updated Order Place to EA **149**
Figure 125 Test Report **150**
Figure 126 Asset Test Report **151**
Figure 127 Add Asset Test Report **152**
Figure 128 Set Report **155**
Figure 129 Individual Report **156**
Figure 130 Lot Management Option **157**
Figure 131 Lot Creation Button **158**
Figure 132 Lot Form **159**
Figure 133 Select Input/CSV Dropdown **162**
Figure 134 Entering Comma Separated Asset Serial Nos. **162**
Figure 135 Serial No. CSV Format Button **163**
Figure 136 Serial No CSV File **163**
Figure 137 Filters to Fetch Out Consumer/Farmer's Application Numbers **163**
Figure 138 Add Asset box **164**
Figure 139 Next Button **164**
Figure 140 Pump Checklist **165**
Figure 141 Solar Panel Checklist **166**
Figure 142 Pump Controller Checklist **167**
Figure 143 Structure Checklist **168**
Figure 144 Checklist & Document Submit Button **168**
Figure 145 Status Updated **169**
Figure 146 Asset Mapping By EA Option **171**
Figure 147 Asset Mapping in Bulk **171**
Figure 148 Asset Mapping Format ..... Error! Bookmark not defined.
Figure 149 Save as CSV (Comma Delimited) **172**
Figure 150 Asset Mapping by EA Dashboard **173**
Figure 151 Consumer Info Tab **174**

Figure 152 Individual Asset Mapping **175**
Figure 153 IMEI Replacement **175**
Figure 154 I & C Photos **176**
Figure 155 I&C Status box **177**
Figure 156 Insurance Policy **177**
Figure 157 Asset Details **178**
Figure 158 Real-time Dashboard **180**
Figure 159 View History **181**
Figure 160 Asset Mapping By SNA Option **182**
Figure 161 Asset Mapping by SNA Dashboard **183**
Figure 162 Consumer info Tab **184**
Figure 163 Site Inspection Checklist **186**
Figure 164 Installation Report Upload Screen **186**
Figure 165 Project Completion Report **193**
Figure 166 Live Monitoring Dashboard Option **194**
Figure 167 Live Monitoring Dashboard **195**
Figure 168 Consumer Details (i) **196**
Figure 169 Consumer Details (ii) **196**
Figure 170 Update RMS Latitude - Longitude **197**
Figure 171 Invalid Parameters of Green Box of Live Monitoring Dashboard **199**
Figure 172 Amritsar District Solar Pump Statistics ..... Error! Bookmark not defined.
Figure 173 Broad View of Consumer/Farmer of Selected District **201**
Figure 174 Consumer/Farmer Solar Pump Statistics **201**
Figure 175 Real Time View of the Consumer/Farmer **202**
Figure 176 State level performance analysis **204**
Figure 177 District Statistics **207**
Figure 178 Broad View of Consumer/Farmer of Selected District **208**
Figure 179 Consumer/Farmer Solar Pump Statistics **209**
Figure 180 Real Time View of the Consumer/Farmer **210**
Figure 181 Consumer/Farmer Management Summary option selected on Consumer/Farmer Dashboard **211**
Figure 182 EA selection option in 'Select EA' filter **214**
Figure 183 Capacity options in 'Select Capacity' filter **215**
Figure 184 Applied filter: Sri Savitir Solar Pvt Ltd (EA), AC-7.5HP, Submersible Pumps (Waterfilled Motors) **215**
Figure 185 Individual application stage **216**
Figure 186 District-wise summary of Applications Received for various pump models report ..... Error! Bookmark not defined.
Figure 187 Show / Hide columns filter **216**
Figure 188 Using the filter "Show / hide columns" to display only selected columns ..... Error! Bookmark not defined.
Figure 189 Using "Search" filter to list down all entries for District = Amritsar **217**
Figure 190 The view of downloaded CSV/Excel file ..... Error! Bookmark not defined.
Figure 191 Consumer/Farmer Management Analysis option selected on Consumer/Farmer Dashboard **217**
Figure 192 Consumer/Farmer Analysis Dashboard **218**
Figure 193 Filter Applied: Application Received **219**
Figure 194 Filter Applied: Feasible Application **219**
Figure 195 Filter Applied: Application Received **219**
Figure 196 Filter options for Analysis graphs **220**
Figure 197 Consumer/Farmer Analysis - Pie Chart **220**
Figure 198 Consumer/Farmer Analysis – Funnel chart **220**
Figure 199 Filter Applied: Shakti Pumping **221**
Figure 200 Consumer/Farmer Analysis - Filter options **221**
Figure 201 Map View **222**
Figure 202 Filter Applied: Installation & Commission, Tata Power Solar Systems Ltd **223**

Figure 203 Consumer/Farmer Analysis statistics for district-wise location **224**
Figure 204 MIS Reports **226**
Figure 205 Yearly Progress Summary – Tabular view **227**
Figure 206 Yearly Progress Summary – Chart view **228**
Figure 207 District Progress Summary- tabular view **229**
Figure 208 District Progress Summary – Chart view **230**
Figure 209 Capacity wise Progress Summary – Tabular view **231**
Figure 210 Capacity wise Progress Summary – chart view **232**
Figure 211 Empanelled Agency Progress Summary – Tabular view **233**
Figure 212 Empanelled Agency Progress Summary – Chart view **234**
Figure 213 Gender Wise Report – Tabular View **235**
Figure 214 Bulk Progress Mapping Dashboard **236**
Figure 215 Site Survey Done CSV File Upload **238**
Figure 216 Site Survey Bulk Upload Format **238**
Figure 217 Order to EA CSV File Upload **238**
Figure 218 Order Placed to EA Bulk Upload Format **239**
Figure 219 Farmer Share Received CSV File Upload **239**
Figure 220 Site Survey Bulk Upload Format **239**
Figure 221 Bulk Progress Update Form **240**
Figure 222 PDF output **240**
Figure 223 Excel/CSV output **241**
Figure 224 Consumer List ..... Error! Bookmark not defined.
Figure 225 Site Location Dashboard **242**
Figure 226 Asset History **243**
Figure 227 location history **244**
Figure 228 Field Service Engineer Dashboard **244**
Figure 229 EA Service Store Inspection **244**
Figure 230 EA Store **245**
Figure 231 Status Update pop-up box **246**
Figure 232 Transfer pop-up box **246**
Figure 233 Create pop-up box **247**
Figure 234 SIA Lab **247**
Figure 235 SIA Store **247**
Figure 236 Asset dashboard filter – asset type **248**
Figure 237 ASSET DASHBOARD FILTER – sub location **248**
Figure 238 ASSET DASHBOARD FILTER – ASSET status **248**
Figure 239 Asset Mapping By EA Option **250**
Figure 240 Asset Mapping by EA Dashboard **251**
Figure 241 IMEI Replacement Button **251**
Figure 242 IMEI No. Replacement By Generating New IMEI No. **252**
Figure 243 IMEI No. Replacement from Registered IMEI Nos. **252**
Figure 244 Logout **252**
Figure 245 Home Selected **253**
Figure 246 Sign out **253**
Figure 247 Welcome Page of Site Survey Mobile Application **256**
Figure 248 Sign In Box **257**
Figure 249 Select Component and Application No **258**
Figure 250 Consumer Site Survey Details **260**
Figure 251 Key Points of Site Survey Details **262**
Figure 252 Get Current Location Button **263**
Figure 253 Latitude-Longitude **263**

Figure 254 Logout Button....264
Figure 255 Device Registration....265
Figure 256 IMEI Bulk Upload....265
Figure 257 IMEI No. CSV Format....266
Figure 258 Upload IMEI No. CSV....266
Figure 259 Add New Device Registration Button....267
Figure 260 Add Device Registration....267

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	https://pmkusum.jk.gov.in/JK/landing.html
PMKUSUM Web API	

TABLE 3 MINIMUM EQUIMENT REQUIRED TO ACCESS STATE SEDM PLATFORM:

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

Release History

Version	Date (dd-Mon-yyyy)	Released by
1.1	28-Mar-2023	ARTI VYAS

1. INTRODUCTION TO PM-KUSUM SCHEME

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

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

The Scheme consists of three components:

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

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

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

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

2. SEDM PURPOSE & VISION

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

The primary features of SEDM:

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

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

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

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

3. WELCOME PAGE

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

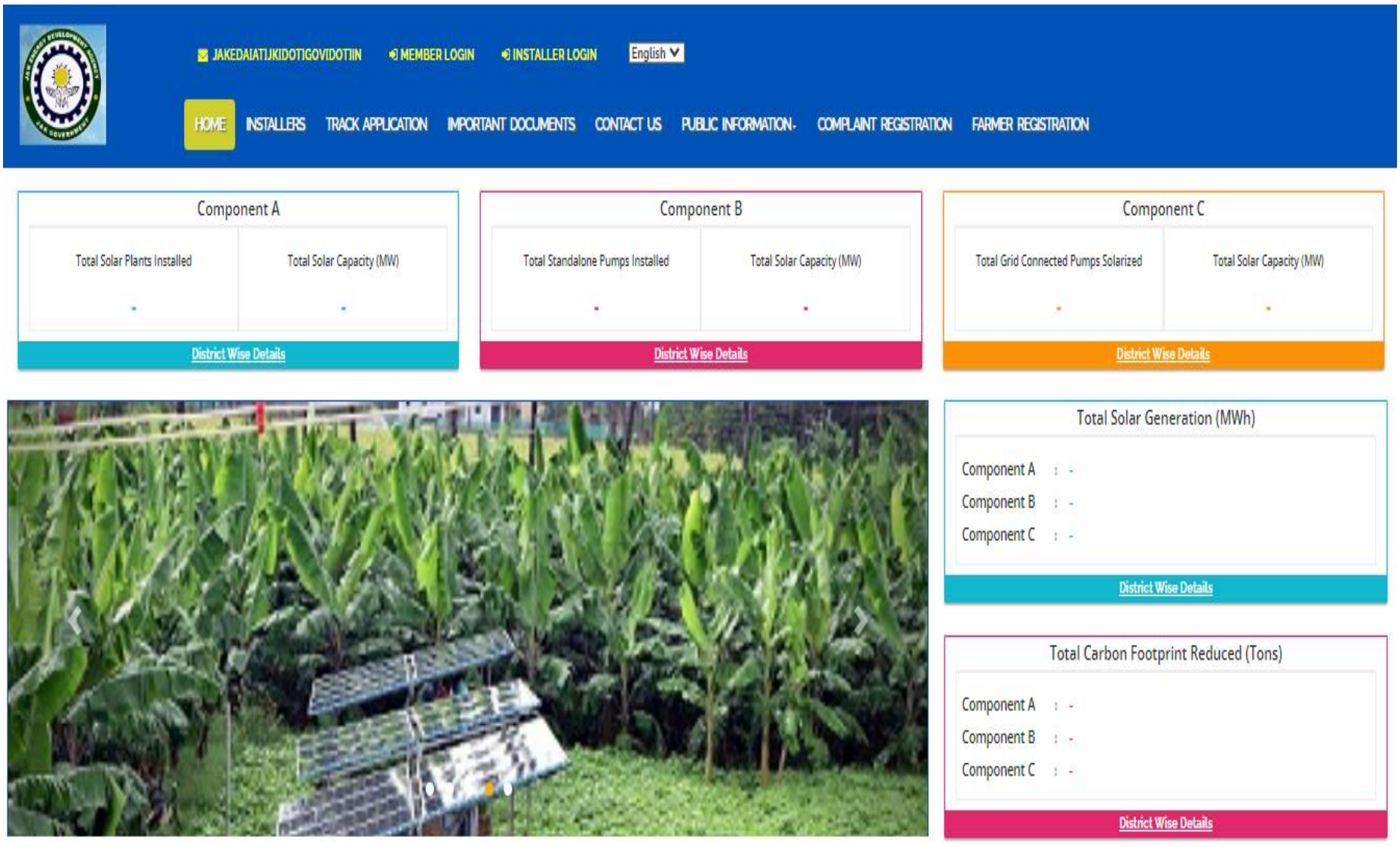


FIGURE 1 WELCOME PAGE

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

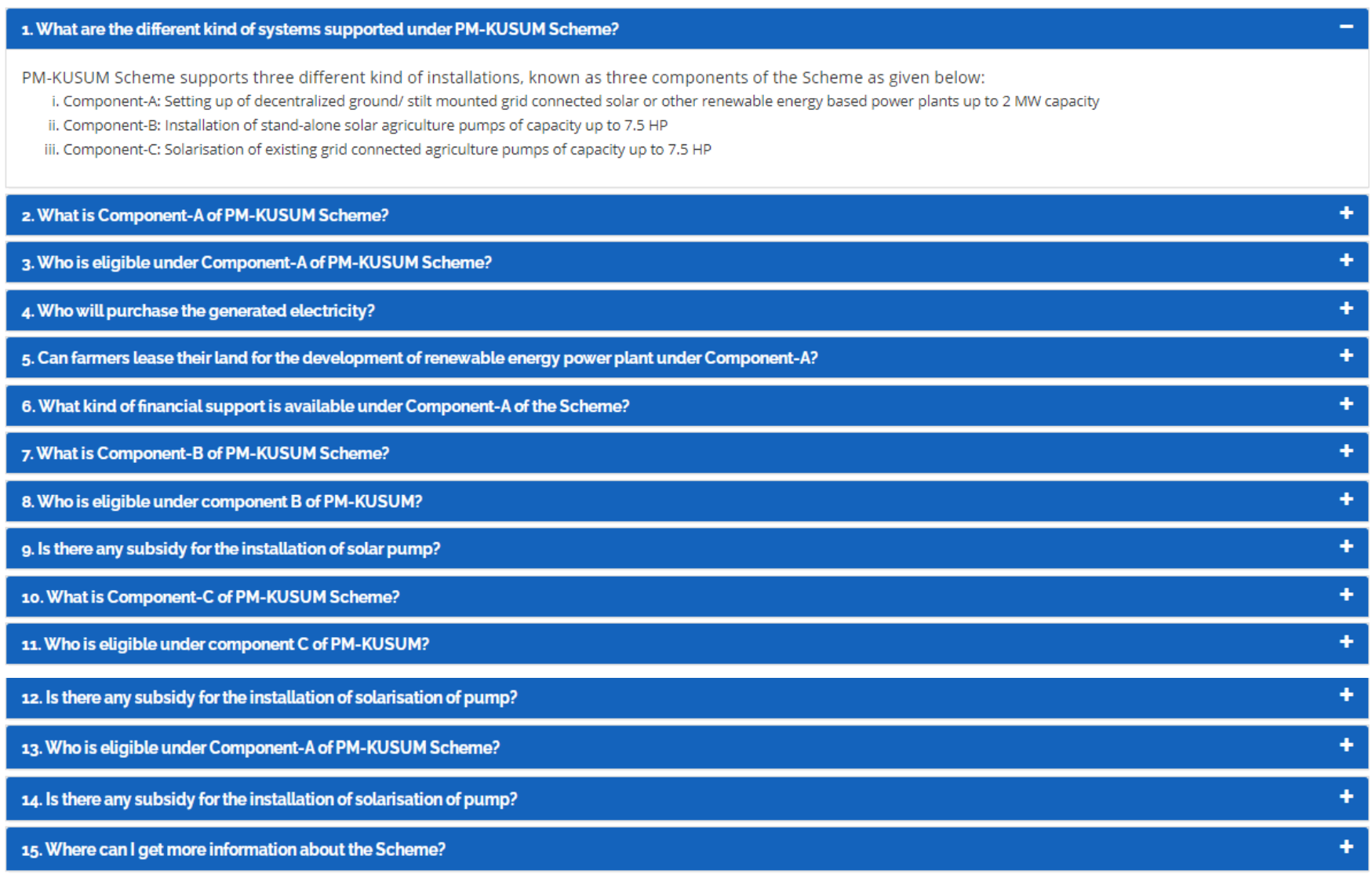


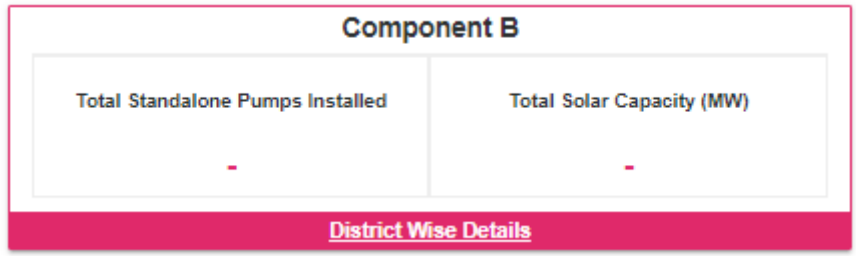
FIGURE 2 FREQUENTLY ASKED QUESTIONS (FAQS)

- The provision of language is selection is also there on the “Welcome Page” in which default selection will be of “English” language (highlighted in yellow in Figure 1). After selection of different language, corresponding output are shown below in Figure 3.

- Selected – Hindi

FIGURE 3 HINDI SELECTED

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



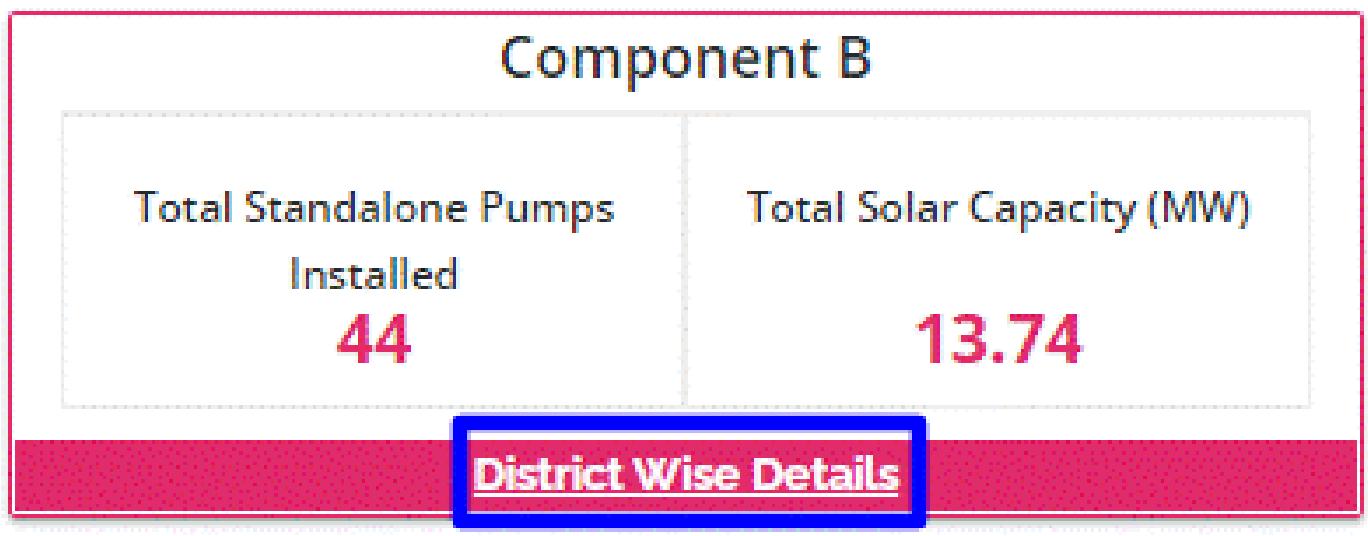


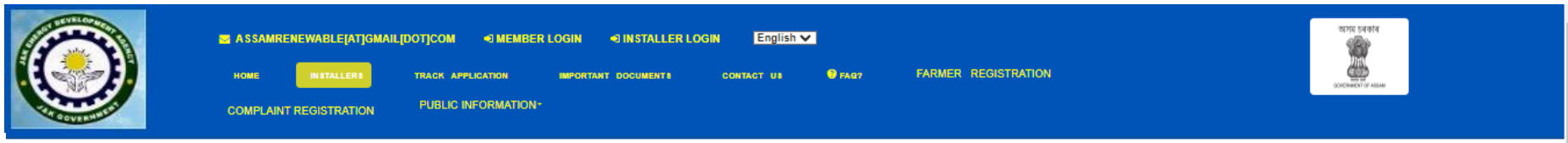
FIGURE 4 COMPONENT – B DISTRICT WISE DETAILS

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)



Contact Details of Agency Under PM-KUSUM Component-B

Sr.No.	Empanelled Agencies Name	Contact Person	Email Address	Phone
1	VTECH SUNSYSTEMS PVT. LTD.	Sh. Pankaj Agrawal	vtech.sunsystems@gmail.com	9372032323
2	TATA POWER SOLAR SYSTEMS LIMITED	Sh. Arpit Srivastava	arpit.srivastava@tatapowersolar.com,	8826011966
			info.solar@tatapower.com	0120-6102143
3	VRG ENERGY INDIA PVT LTD	Sh. Shrikant Soni	tender@vrgenergy.com	9099907645
				02827-287510
4	ROTOMAG MOTORS & CONTROLS PVT. LTD.	Smt. Neelam Balani	raghav@rotosol.solar	9814375861, 9227110023
			sachin.mulay@rotosol.solar	
			tenders@rotosol.solar	
5	ABHISHEK SOLAR INDUSTRIES PRIVATE LTD	Sh. Nagendra Singh	abhisheksolarenergy@yahoo.co.in	9934303421
			info@abhishkesolar.com	
6	ISHAAN SOLAR POWER PRIVATE LIMITED	Sh. Manjunath NA	mailto:enders@sunedisoninfra.com	9743330914
				044-43405950

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)

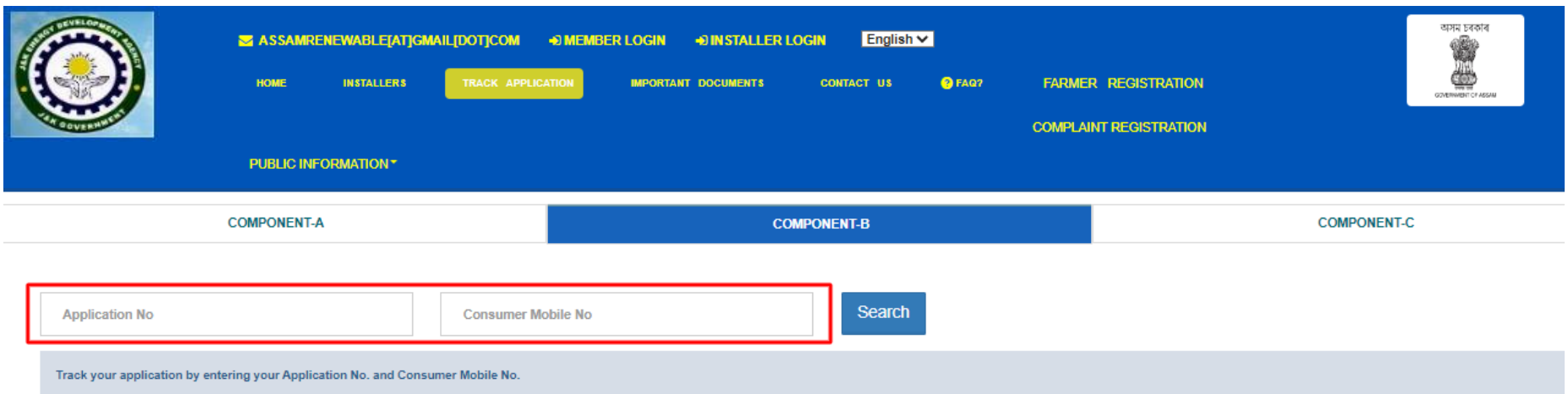


FIGURE 7 TRACK APPLICATION

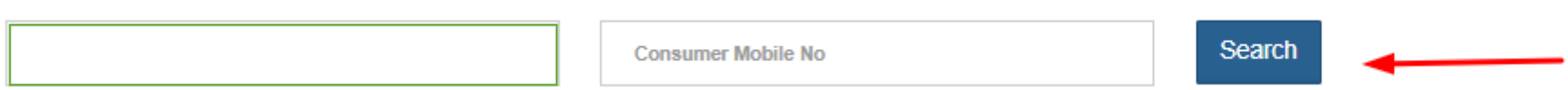


FIGURE 8 APPLICATION ENTERED TO TRACK APPLICATION

- 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.

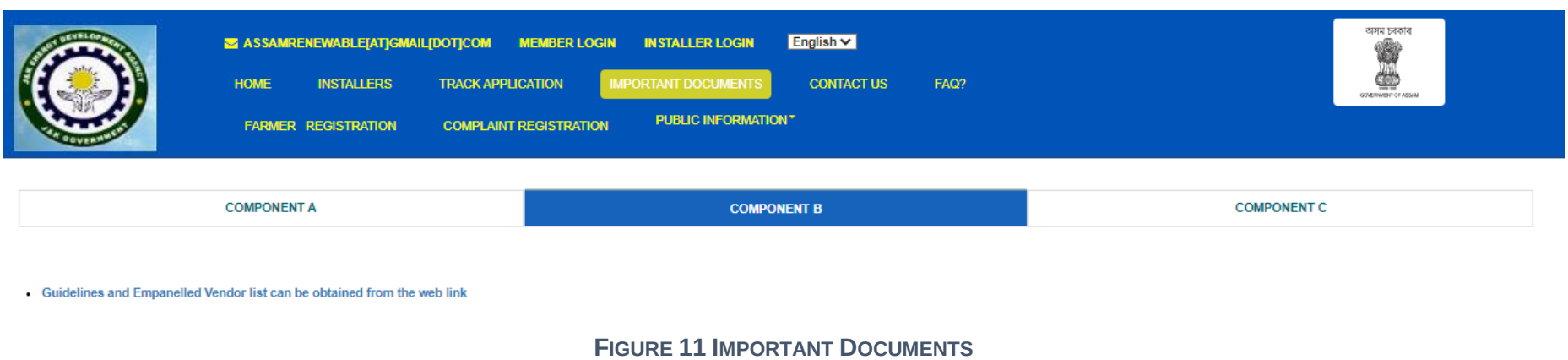


FIGURE 11 IMPORTANT DOCUMENTS

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

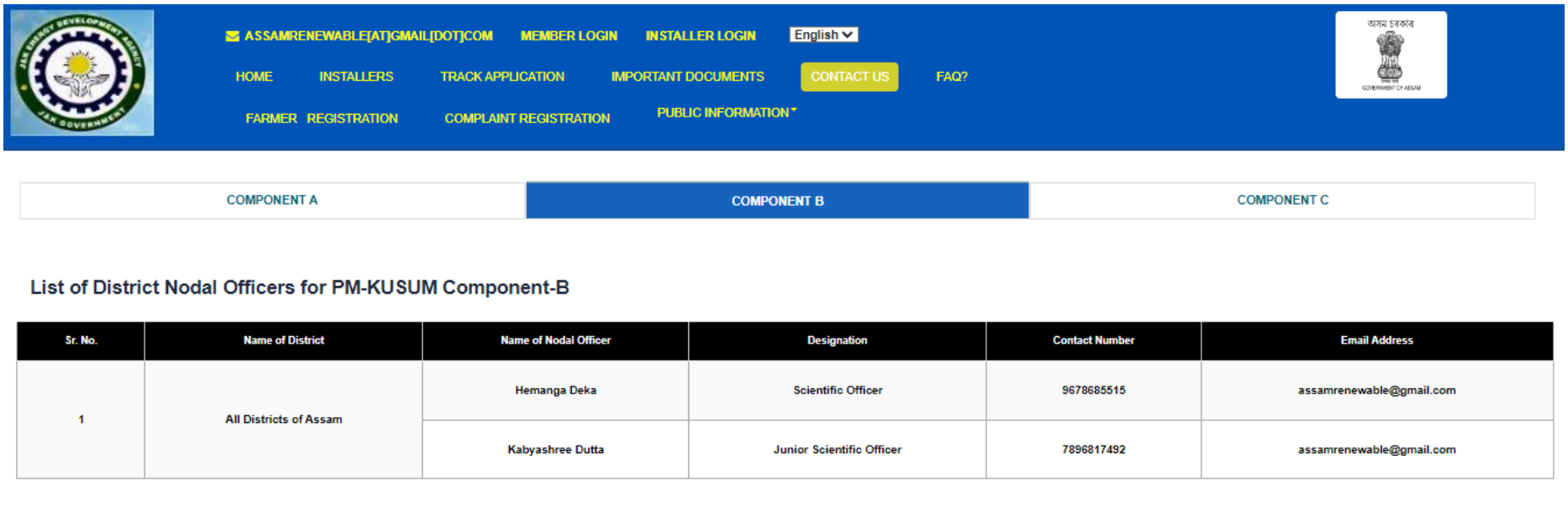


FIGURE 12 CONTACT US

4. SIGN IN ON SEDM PLATFORM

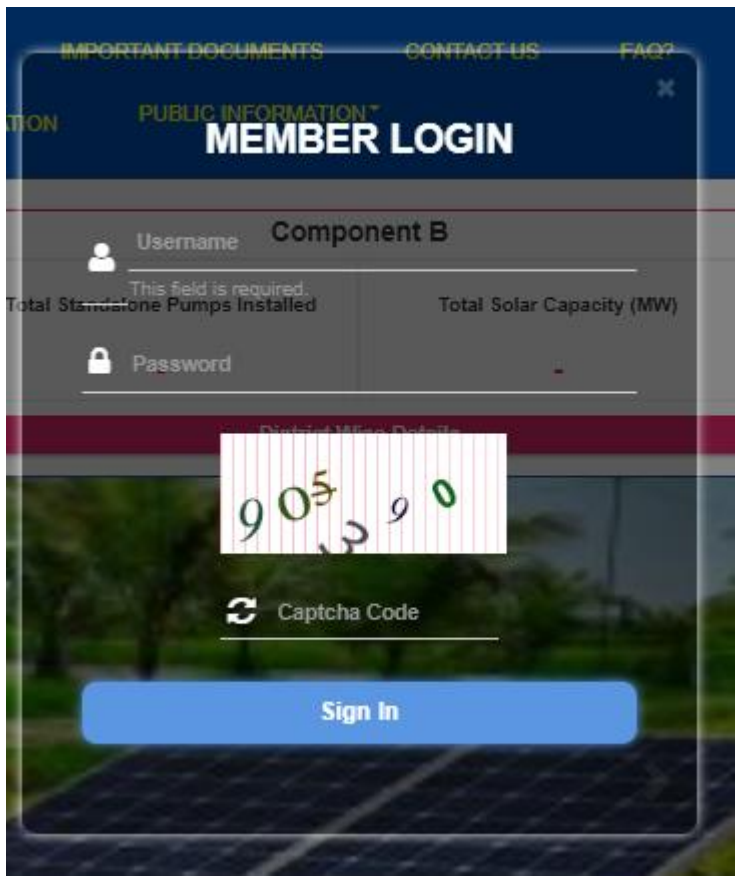
- To log in onto the SEDM portal, users can click on the "**MEMBER LOGIN OR INSTALLER LOGIN**" option on the Welcome Page.(highlighted in red in Figure 13)

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

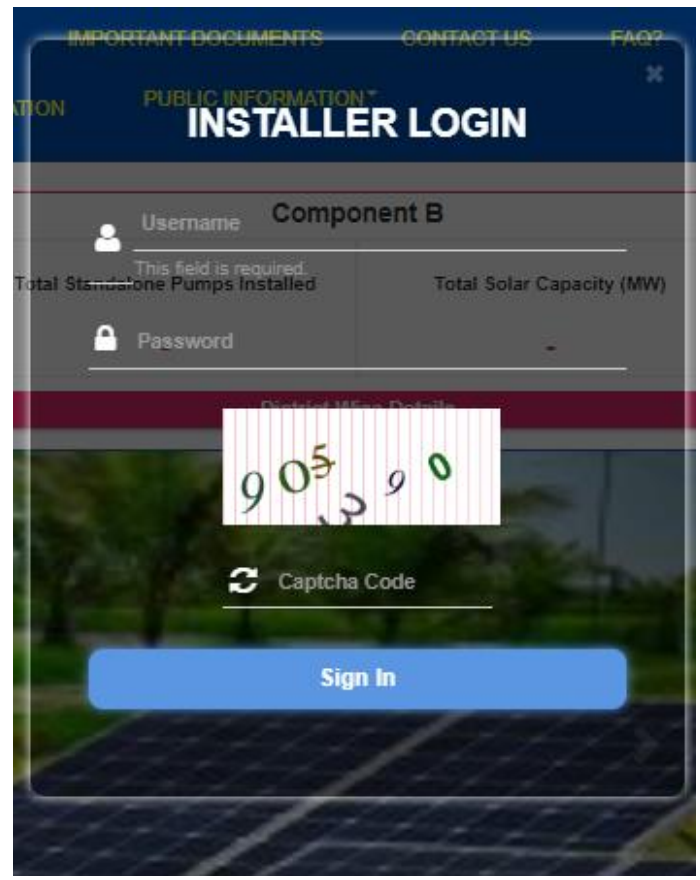
- Such login options will be visible to all users including HO, DISCOM, SDN and EA.

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.

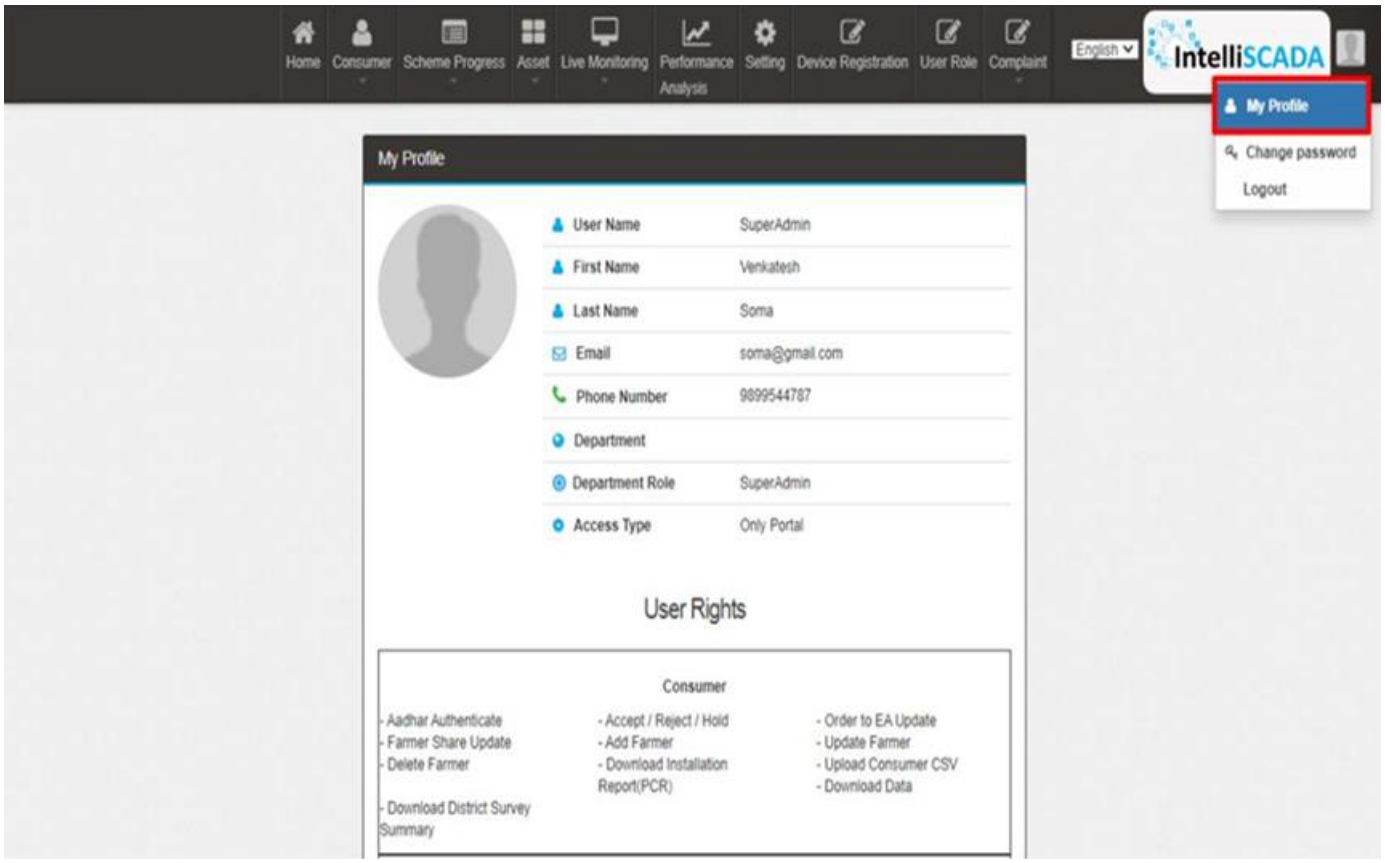
- Users having rights to access of related components (A, B, C) only will be allowed to navigate through.

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

Site Survey

- Add Site Survey

Asset

- Add Asset Test Report	- Update Test Report	- Delete Test Report
- Create Lot	- Update Asset Serial No	- Update Checklist & Document Submit
- Update Document Verification	- Update Pre Dispatch Inspection	- Update Dispatch
- Asset And IMEI Bulk Mapping	- Asset Mapping	- IMEI Mapping
- I&C Update	- Installation Verification by SNA	- Upload Installation Report by SNA
- Insurance Update & Upload	- Asset Unmapping	- Delete Lot

Live Monitoring

- Dashboard	- Consumer Monitoring

Performance Analysis

- Performance Analysis View

Setting

- Tender	- State Implementing Agency	- Empamelled Agncy
- System Integrator	- EA Rate Card	- EA Service Center
- EA Store Sub Location	- Manufacturer	- Product
- Tender Checklist	- Tender CheckList Detail	- PBG Status
- Insurance Details	- Asset Type	- Asset Status
- Audit	- Site Inspection Details	- Complaint SLA

Device Registration

- Upload Device Registration	- Add New Device Registration

Complaint

- Dashboard Complaint	- Complaint Report	- Add Complaint
- Complaint Acknowledged	- Ticket ReAssigned	- Ticket ReAllocated
- Ticket Resolved	- Complaint Closed	- Generate Ticket

FIGURE 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

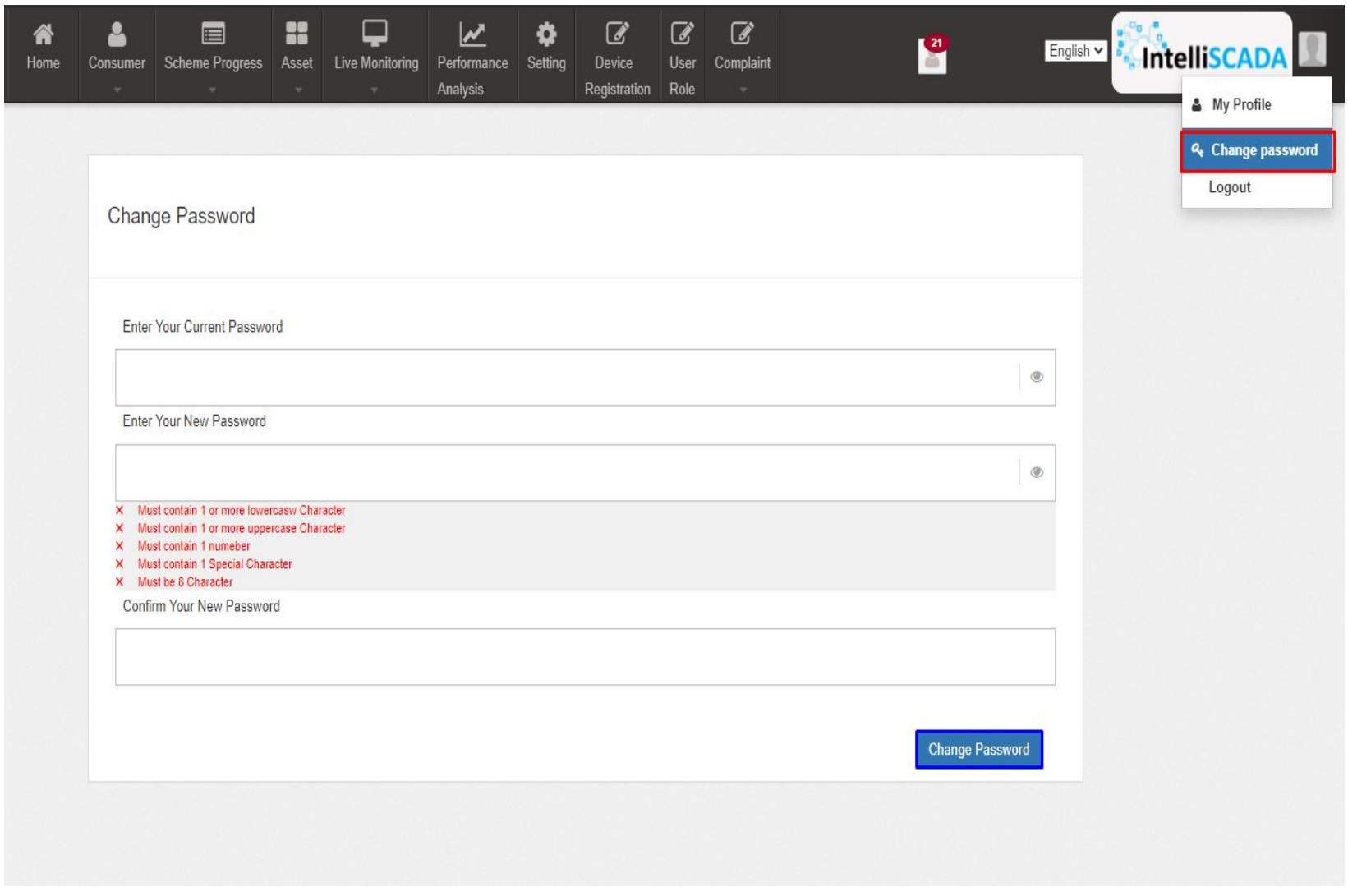


FIGURE 17 CHANGE PASSWORD

- 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

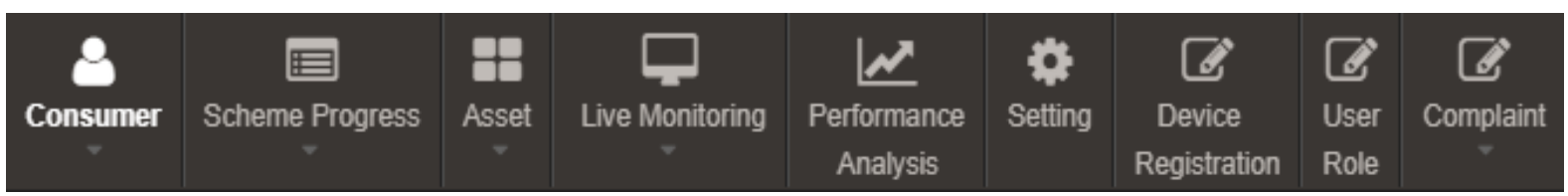


FIGURE 18 MODULES

- 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

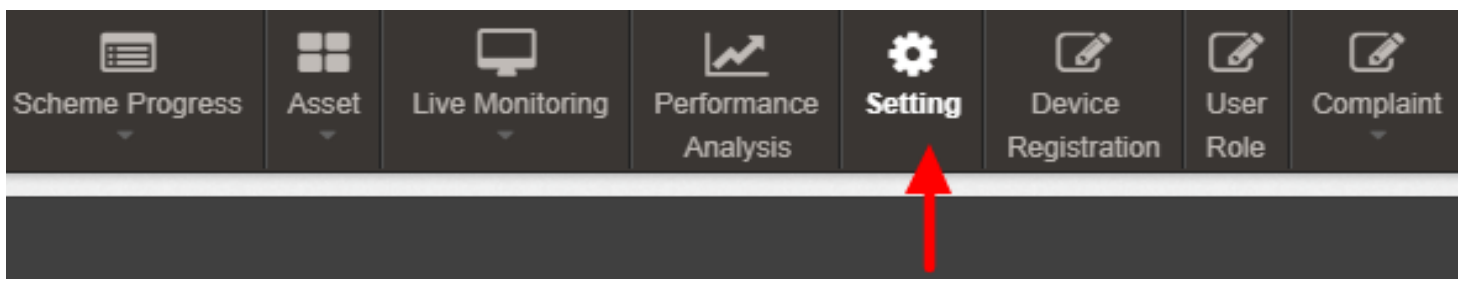


FIGURE 19 SETTING MODULE

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

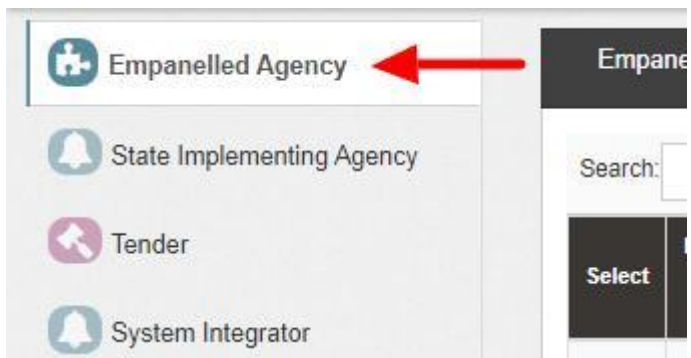


FIGURE 20 EMPANELLED AGENCY TAB

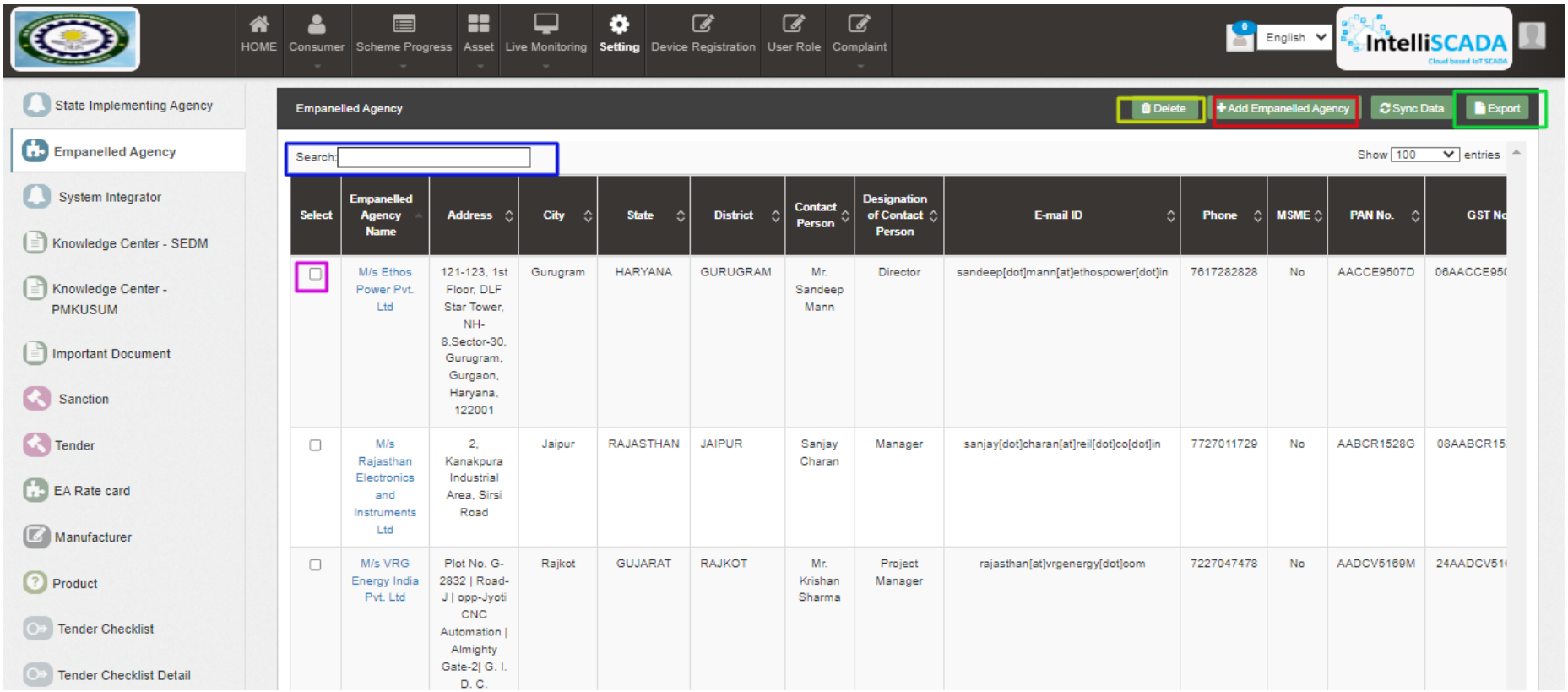
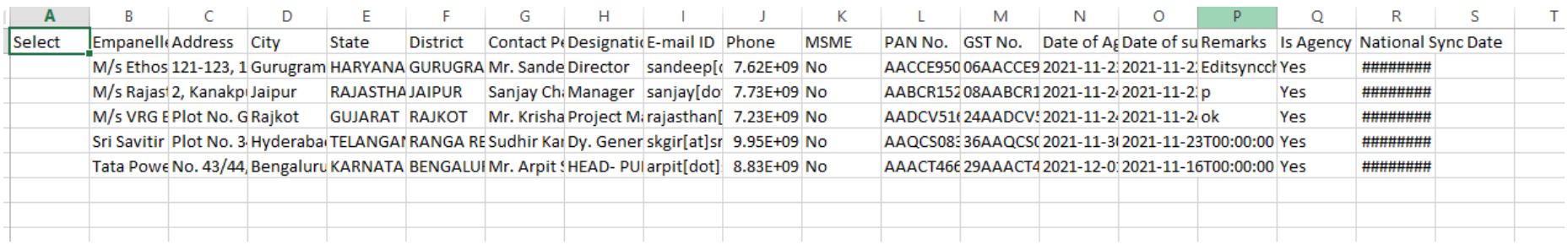


FIGURE 21 EMPANELLED AGENCY TAB DASHBOARD

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



Select	Empanelle	Address	City	State	District	Contact Pe	Designatic	E-mail ID	Phone	MSME	PAN No.	GST No.	Date of Ag	Date of su	Remarks	Is Agency	National Sync Date
	M/s Ethos	121-123, 1	Gurugram	HARYANA	GURUGRA	Mr. Sande	Director	sandeep[(	7.62E+09	No	AACCE950	06AACCE9	2021-11-2	2021-11-2	Editsyncch	Yes	########
	M/s Rajas	2, Kanakpu	Jaipur	RAJASTHA	JAIPUR	Sanjay Ch	Manager	sanjay[do	7.73E+09	No	AABCR152	08AABCR1	2021-11-2	2021-11-2	p	Yes	########
	M/s VRG E	Plot No. G	Rajkot	GUJARAT	RAJKOT	Mr. Krisha	Project M	rajasthan[	7.23E+09	No	AADCV51(	24AADCV5	2021-11-2	2021-11-2	ok	Yes	########
	Sri Savitir	Plot No. 3	Hyderaba	TELANGAI	RANGA RE	Sudhir Ka	Dy. Gener	skgir[at]sr	9.95E+09	No	AAQCS083	36AAQCS(	2021-11-3	2021-11-23	T00:00:00	Yes	########
	Tata Powe	No. 43/44,	Bengaluru	KARNATA	BENGALUI	Mr. Arpit S	HEAD- PUI	arpit[dot]	8.83E+09	No	AAACT466	29AAACT4	2021-12-0	2021-11-16	T00:00:00	Yes	########

FIGURE 22 CSV OF EMPANELLED AGENCY DETAILS

- User can register new Empanelled Agency by clicking on “Add Empanelled Agency” button. (highlighted in red in Figure 21)

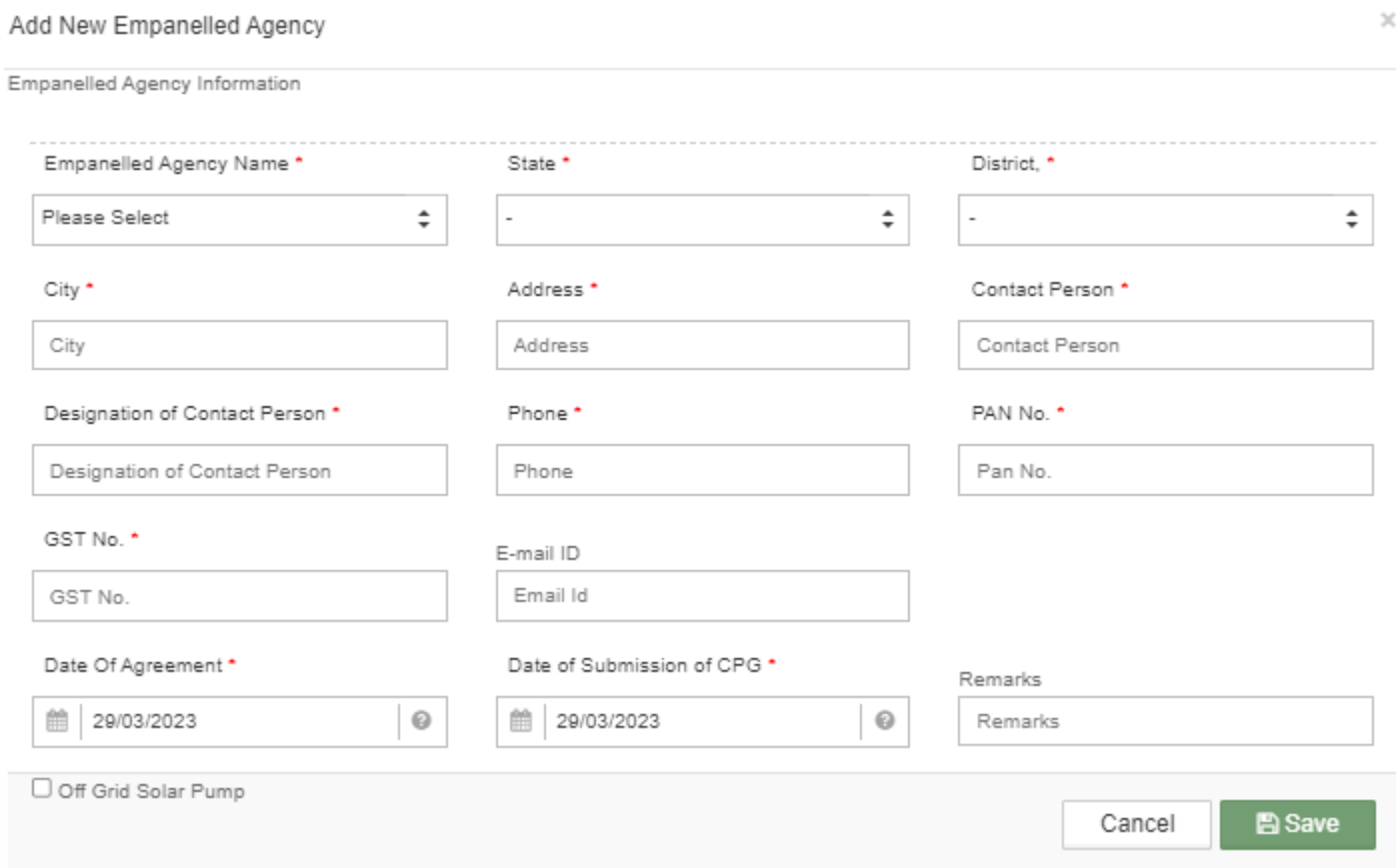


FIGURE 23 NEW EMPANELLED AGENCY DETAILS

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 - JAMMU AND KASHMIR	✓	JAMMU AND KASHMIR	Selection of relevant state.	-
District	Drop Down	- BANDIPORA - DODA - JAMMU - KATHUA - PUNCH - RAJOURI - REASI - RAMBAN - SAMBA	✓	SAMBA	Select district according to the selected State.	-
City	Text	-	✓	Ahmedabad	-	-
Address	Text	-	✓	No. 43/44, Hosur Road, Electronic City Phase 2, Ahmedabad	-	-
Contact Person	Text	-	✓	Vijay Vyas	-	-
Designation of Contact Person	Text	-	✓	Project Manager	-	-
Phone	Numerical	-	✓	9638527412	Contact no of Empanelled Agency	- Must be of 10 digits only

PAN No.	Numerical	**-**	✓	1478523669	PAN No of Empanelled Agency	- Must be of 10 characters only - First five characters should be any upper case alphabets - Next four characters should be any number from 0 to 9 - The last (tenth) character should be any upper case alphabet - It should not contain any white space
GST No.	Text	**-**	✓	654894561568496	GST no of Empanelled Agency	- It must be of 15 digits only - First two digits should be the state code - Next ten digits should be the PAN number of the person or business entity - The thirteenth is alpha-numeric digit (1-9 or A-Z) - The fourteenth digit will be the alphabet “Z” by default - The last digit should be any number (1-9)
E-mail ID	Email	**-**	**-**	fvu@gmail.com	Email Id of Empanelled agency	It must contain : - Alphabets (a-z) in lower case only - Digits (0-9) (non mandatory) - Printable characters (! # $ % & ’ * + - / = ? ^ _ ` { } | ~) - Symbol “@” - Domain name (gmail , gov , yahoo) - A period (.) - Sub domain name (co.in , com , org)
Date of Agreement	Date	**-**	✓	24/03/2023	Date on which agreement was done	**-**

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

9.2. REGISTRATION OF STATE IMPLEMENTING AGENCY (SIA)

❖ Registering New State Implementing Agency (SIA)

- Super Admin can register New State Implementing Agency by clicking on “State Implementing Agency” tab as pointed in below Figure 24.
- State Implementing Agencies registered with National SEDM platform (**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

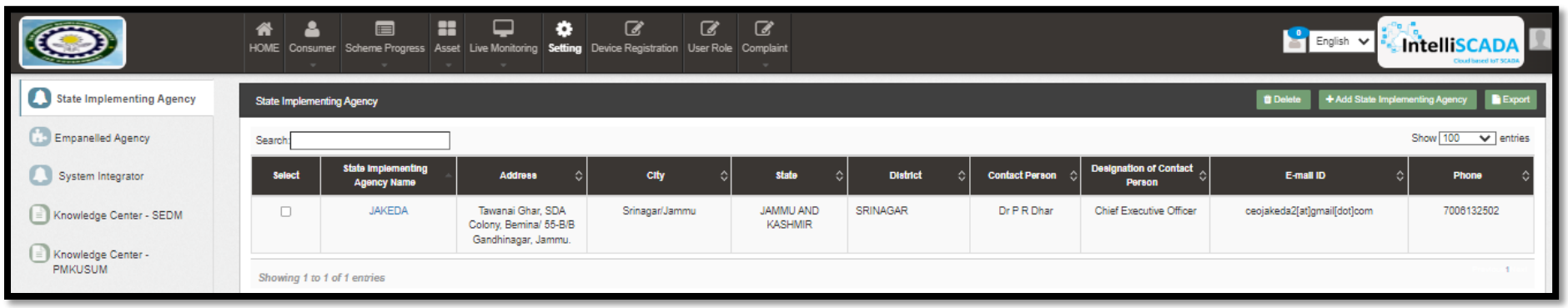


FIGURE 25 STATE IMPLEMENTING AGENCY TAB DASHBOARD

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	Red	Button	Register new State Implementing Agency by clicking on Add State Implementing Agency button

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

Select	State Implementing Agency Name	Address	City	State	District	Contact Person	Designation of Contact Person	E-mail ID	Phone
	JAKEDA	Tawanai Ghar, SDA Colony, Bemina/ 55-B/B Gandhinagar, Jammu.	Srinagar/Jammu	JAMMU AND KASHMIR	SRINAGAR	Dr P R Dhar	Chief Executive Officer	ceojakeda2[at]gmail[dot]com	7.01E+09

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)

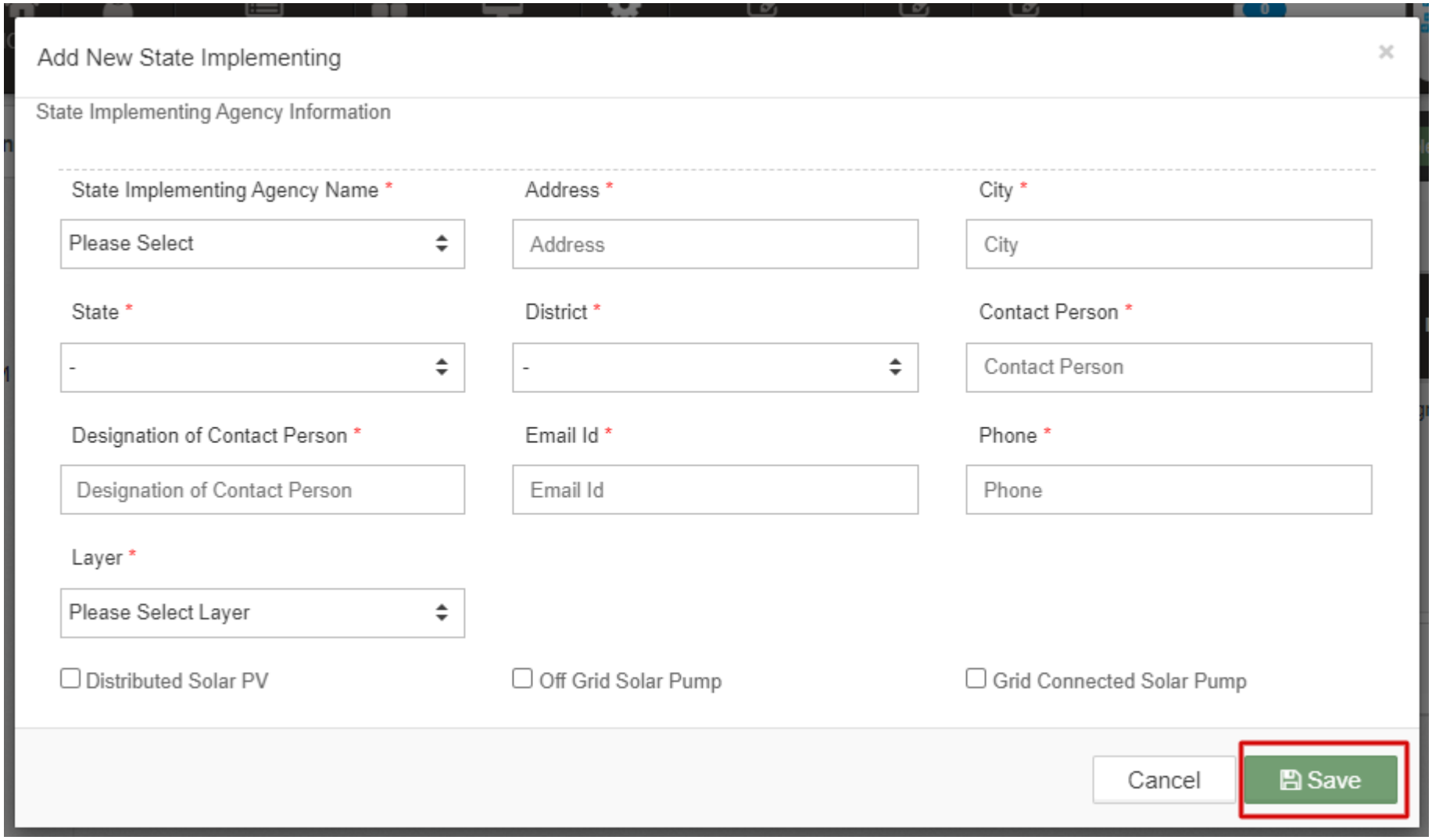


FIGURE 27 NEW STATE IMPLEMENTING AGENCY DETAILS

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 - JAKEDA.	✓	STATE IMPLEMENTING AGENCY	Select SIA as per the requirement.	-
Address	Text	-	✓	Tawanai Ghar, SDA Colony, Bemina/ 55-B/B Gandhinagar, Jammu.	-	-
City	Text	-	✓	Srinagar/Jammu	-	-
State	Drop Down	- STATE - JAMMU AND KASHMIR - BIHAR - SIKKIM - MANIPUR - NAGALAND	✓	STATE	Selection of relevant state.	-
District	Drop Down	- BANDIPORA	✓	BANDIPORA	Select district according to the selected State.	-
Contact Person	Text	-	✓	Dr P R Dhar	-	-
Designation of Contact Person	Text	-	✓	Chief Executive Officer	-	-
E-mail id	Email	-	-	ceojakeda2[at]gmail[dot]com	-	It must contain : - Alphabets (a-z) in lower case only - Digits (0-9) (non mandatory) - Printable characters (! # $ % & ' * + - / = ? ^ _ ` { } | ~) - Symbol “@”

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

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

10. USER ROLE MANAGEMENT

❖ User Role Management

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

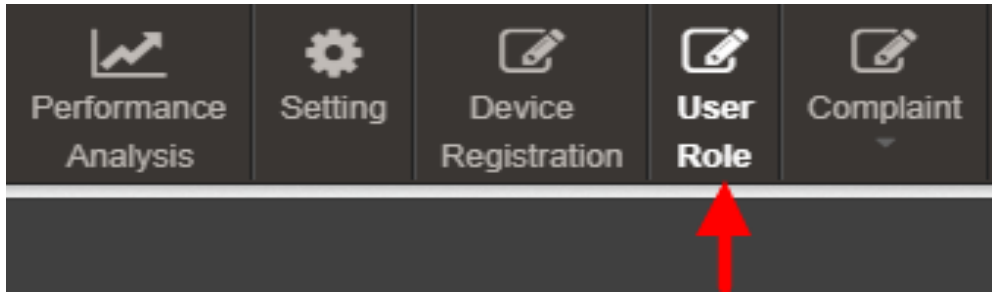


FIGURE 28 USER ROLE MODULE

10.1 REGISTER NEW USER

❖ Register New User

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

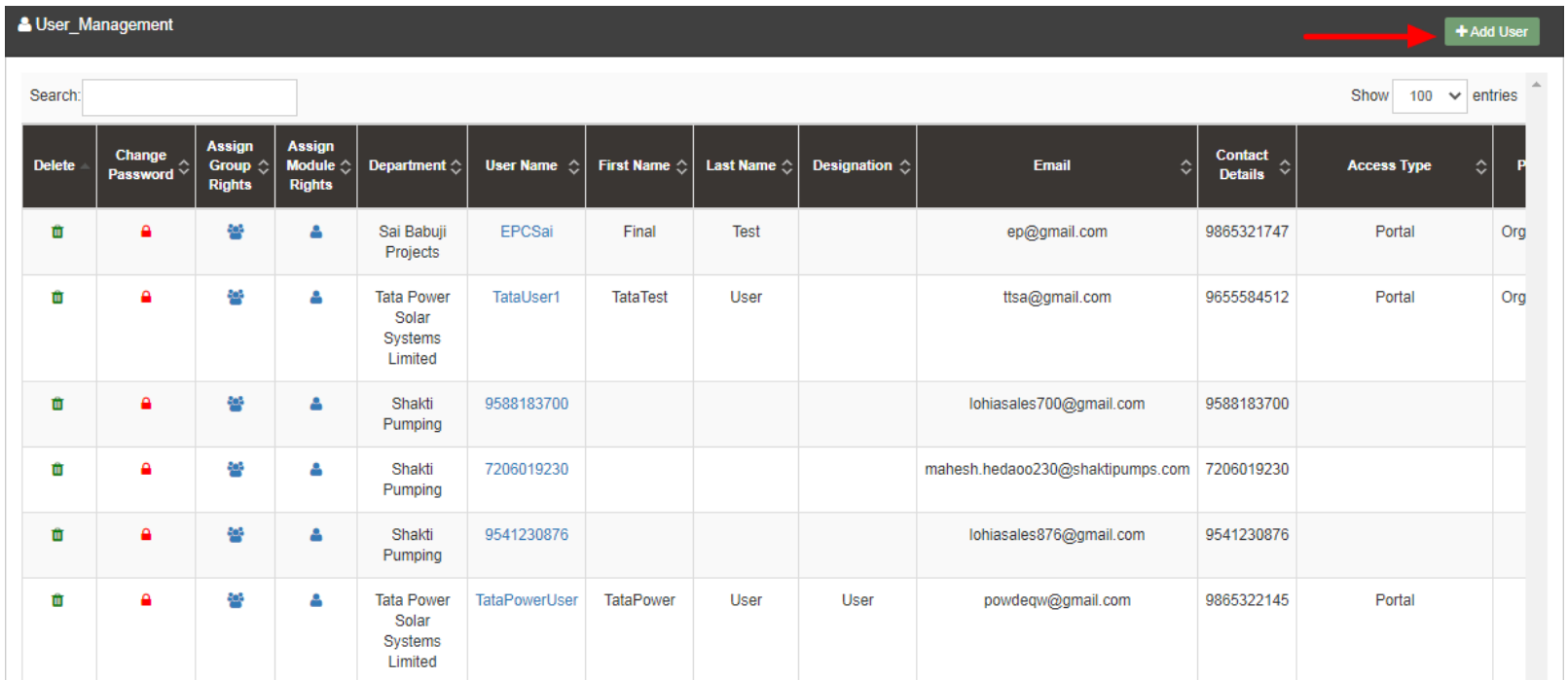
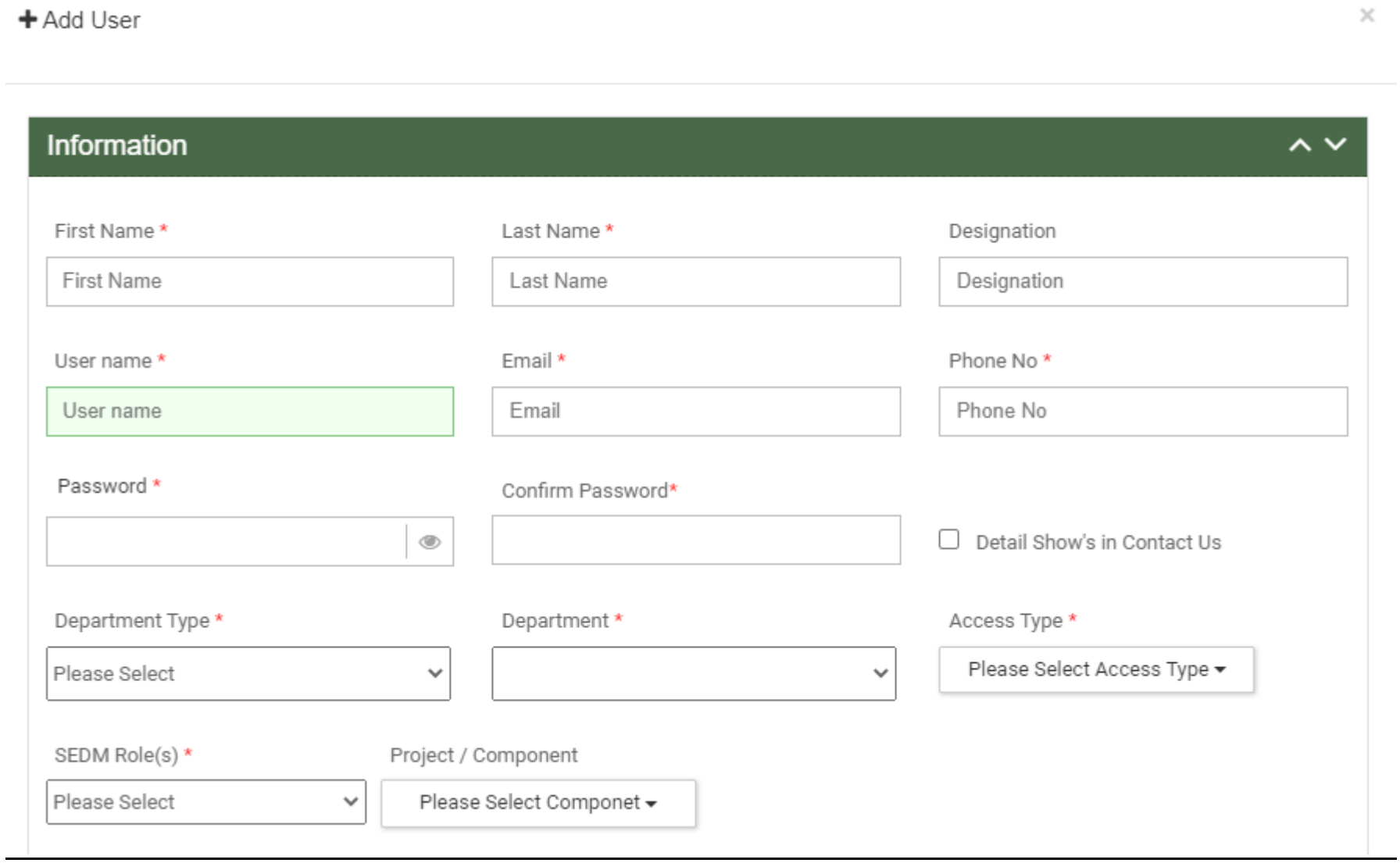
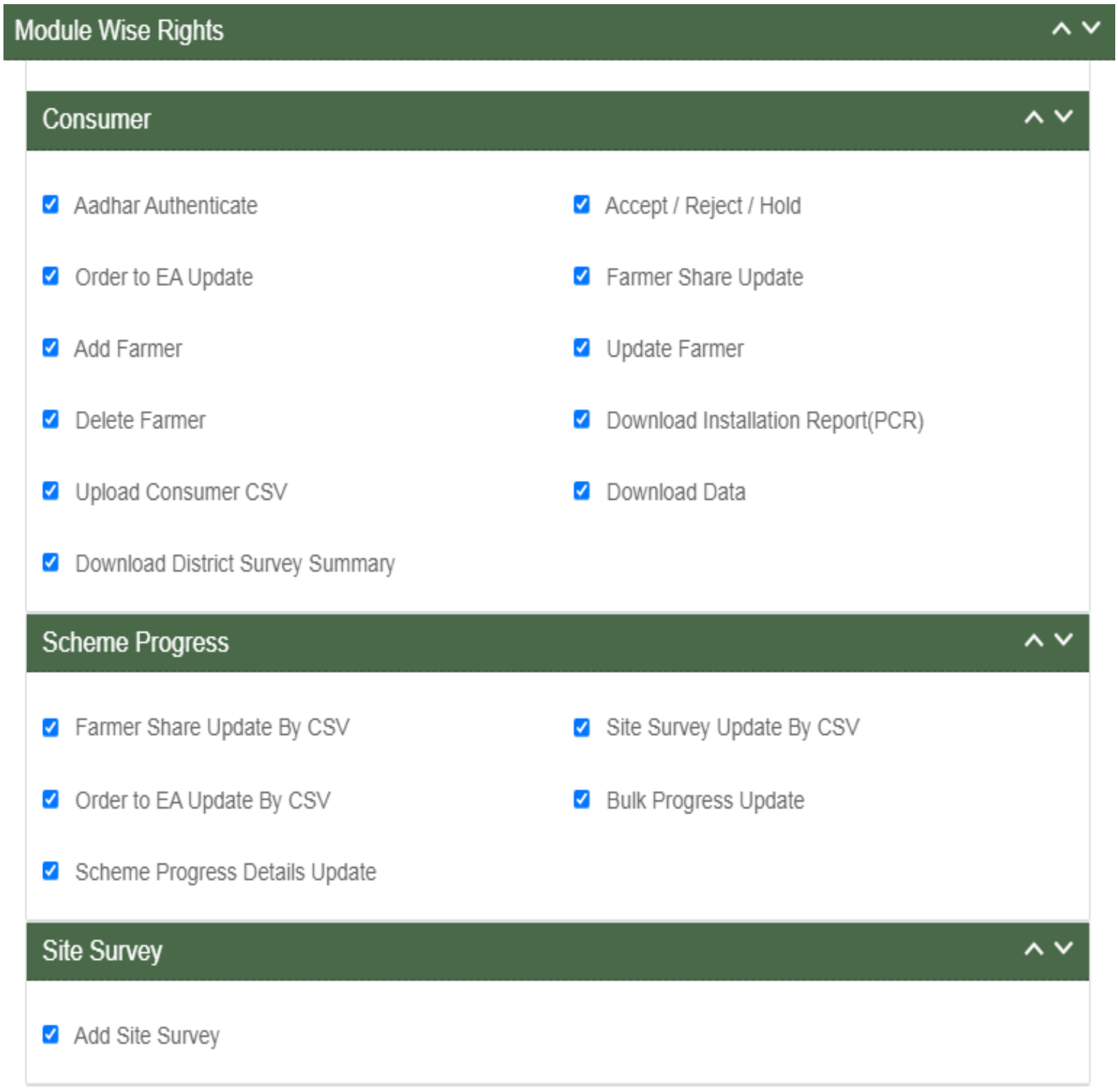


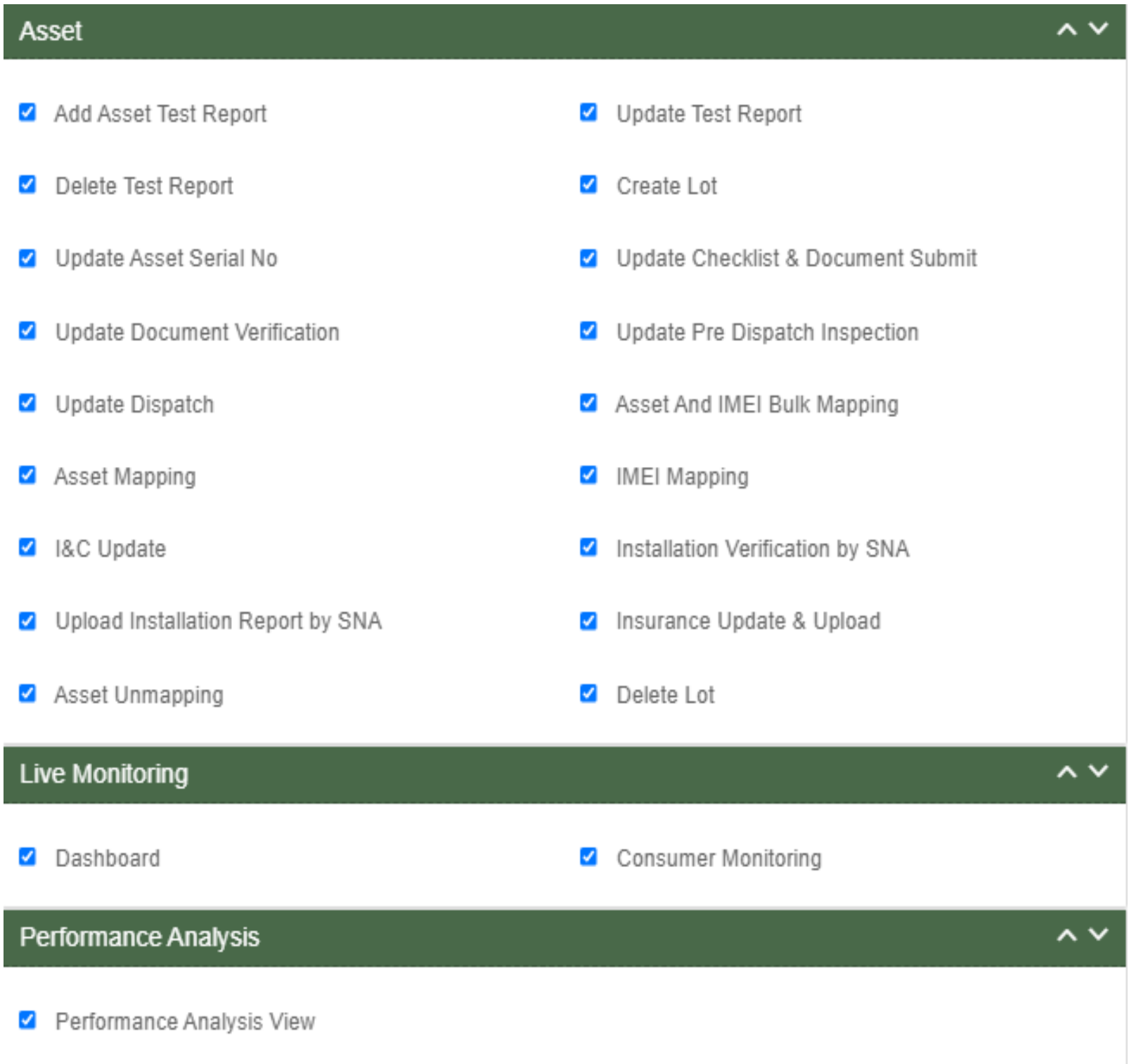
FIGURE 29 ADD USER BUTTON ON USER ROLE DASHBOARD

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

❖ Add User


Add User
Information
First Name *
First Name
Last Name *
Last Name
Designation
Designation
User name *
User name
Email *
Email
Phone No *
Phone No
Password *
Confirm Password*
Detail Show's in Contact Us
Department Type *
Please Select
Department *
Access Type *
Please Select Access Type
SEDM Role(s) *
Please Select
Project / Component
Please Select Componet


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


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

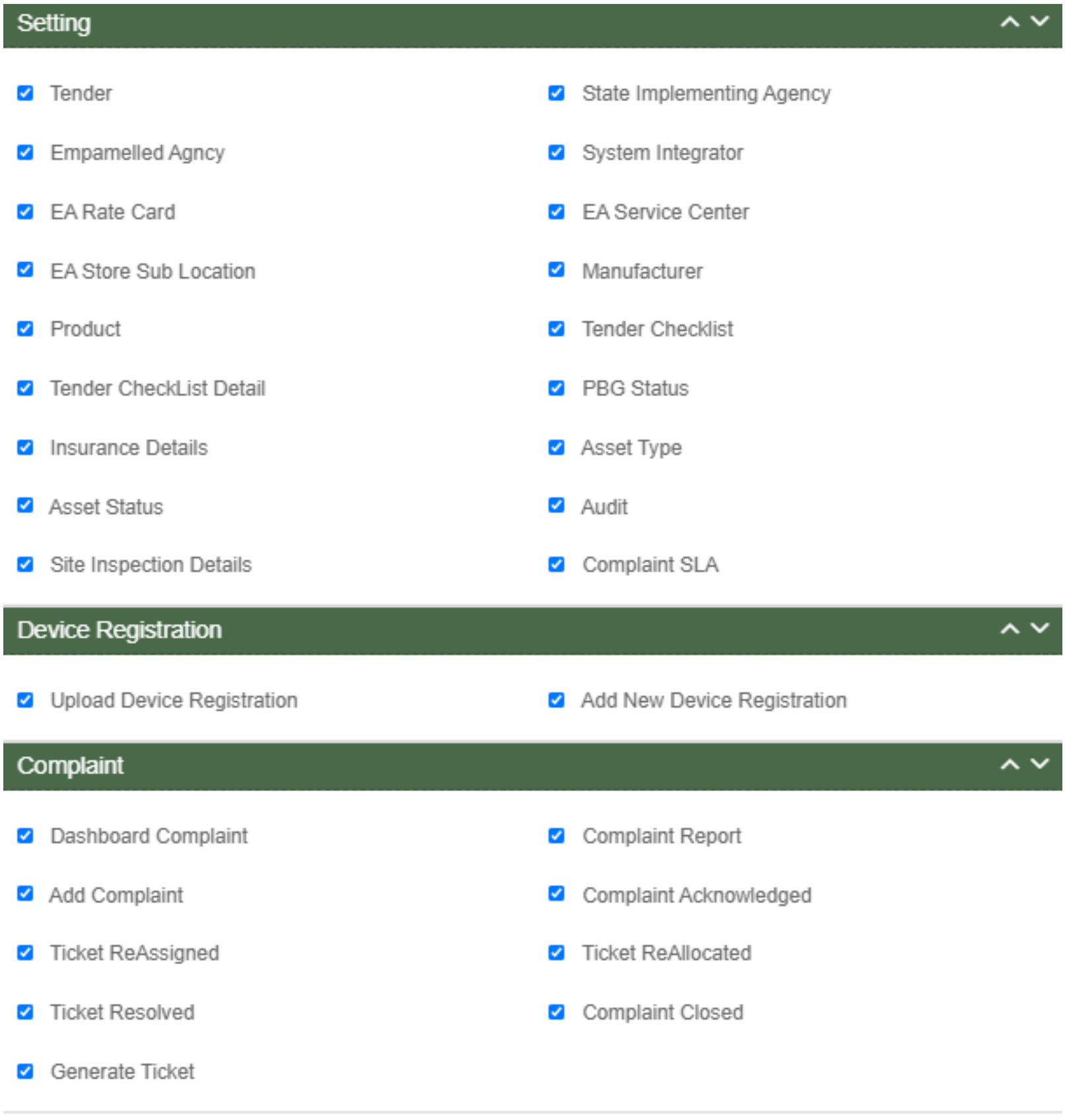


FIGURE 30 ADD USER FORM

❖ User Information

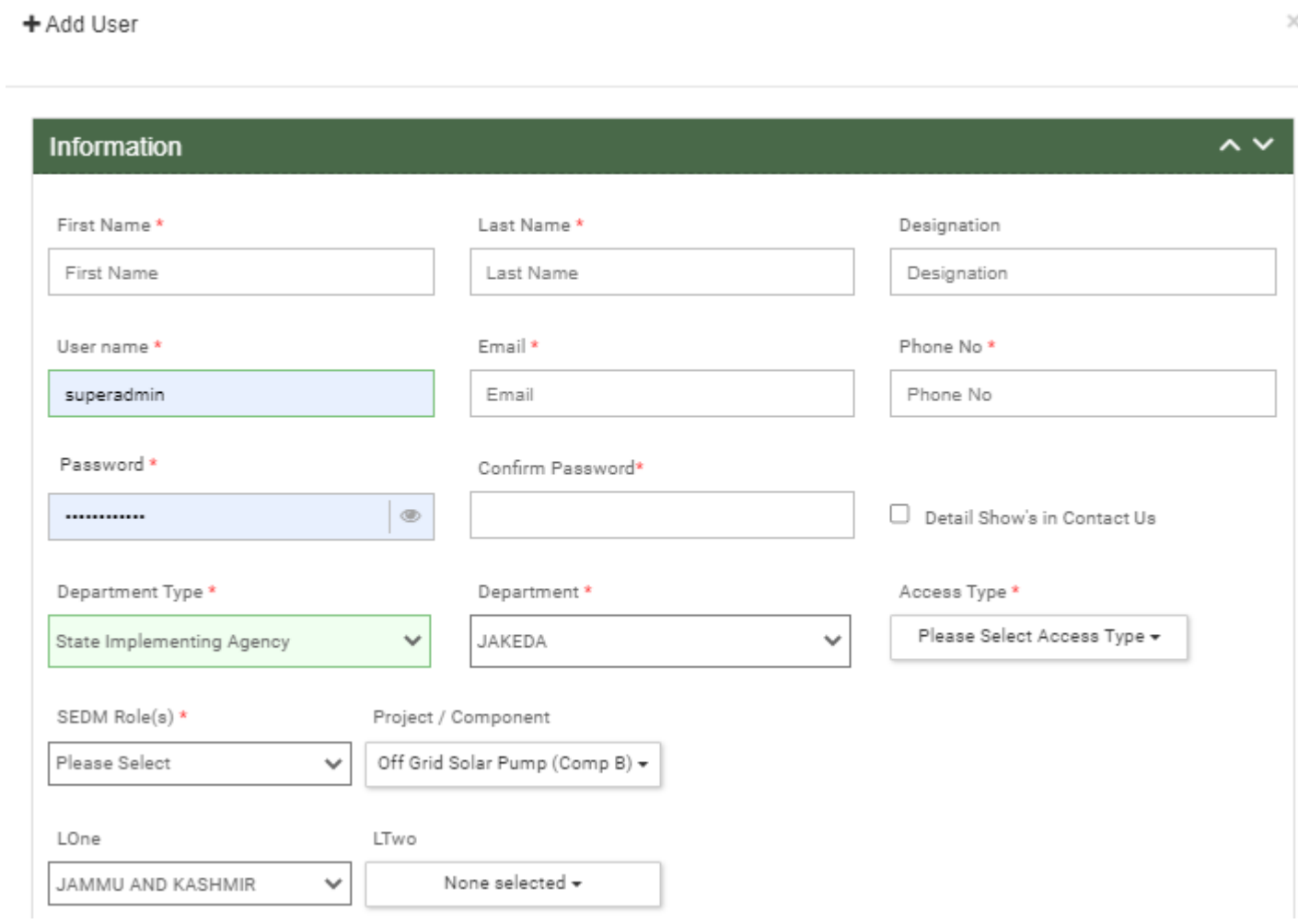


FIGURE 31 USER INFORMATION

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) - Printable characters (! # $ % & ' * + - / = ? ^ _ ` { } | ~) - Symbol "@" - Domain name (gmail , gov , yahoo) - A period (.) - Sub domain name (co.in , com , org)
Phone No	Numerical	-	✓	7458748588	-	- Must be of 10 digits only
Password	Password	-	✓	Ram@123	-	- Length must be of minimum 8 characters - 1 or more lowercase character - 1 or more uppercase character - 1 special character - 1 or more numbers
Confirm Password	Password	-	✓	Ram@123	-	- Length must be of minimum 8 characters - 1 or more lowercase character - 1 or more uppercase character - 1 special character - 1 or more numbers
Department Type	Drop Down	- State Implementing Agency - Empanelled Agency - System Integrator	✓	Empanelled Agency	Selection of relevant Department as per the requirement. System Integrator is a separate Empanelled agency who installs RMS system	

					separately as required in GJ	
Department	Drop Down	- Tata Power Solar Systems Limited - M/s Rotomag Moter and Control Pvt. Ltd - M/s VRG Energy India Pvt. Ltd - VTec Sunsystems Private Limited - ISHAAN SOLAR POWER PRIVATE LIMITED	✓	M/s VRG Energy India Pvt. Ltd	Selection of relevant department according to the selected department type.	-
Access Type	Drop Down	- Only Configuration - Only Portal - Only Mobile Application	✓	Only Portal	Selection of relevant access type as per the requirement. (refer **Table 9 ACCESS TYPE DROP DOWN**)	-
User Role(s)	Drop Down	- Super Admin - Organization Admin - User	✓	Super Admin	Selection of relevant user role as per the requirement. Only Super Admin can create new Super Admin user.	-
State	Drop Down	- STATE - GUJARAT - JAMMU AND KASHMIR - TRIPURA	✓	STATE	Selection of relevant state. This shall be loaded on the basis of Layer.	-
District	Drop Down	- BANDIPORA - DODA - JAMMU - KATHUA - PUNCH - RAJOURI - REASI - RAMBAN - SAMBA	✓	SAMBA	Select district according to the selected State. This shall be loaded on the basis of Layer.	-
Project / Component	Drop Down	- Distributed Solar PV – A	✓	Off Grid Solar Pump – B	Selection of PM-KUSUM Scheme Component	-

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

Department Type Drop Down	Department Type	Description	Department Drop Down	Description
- **State Implementing Agency** - **Empanelled Agency** - **System Integrator**	State Implementing Agency	Selecting this option indicates that the new user will belong from the State Implementing Agency department type.	- STATE IMPLEMENTING AGENCY - JAKEDA	By selecting SIA will provide SIA list to process further as shown in Department Drop Down.
	Empanelled Agency	Selecting this option indicates that the new user will belong from the Empanelled Agency department type.	- Tata Power Solar Systems Limited - M/s Rotomag Moter and Control Pvt. Ltd - M/s VRG Energy India Pvt. Ltd - VTec Sunsystems Private Limited - ISHAAN SOLAR POWER PRIVATE LIMITED	By selecting EA will provide EA list to process further as shown in Department Drop Down.
	System Integrator	Selecting this option indicates that new user will belong from the System Integrator department type.	- HKRP - ABCD	By selecting System Integrator will provide System Organization list to process further as shown in Department Drop Down.

Table 9 ACCESS TYPE DROP DOWN

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

Table 10 USER ROLE DROPDOWN

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

❖ Module Roles

FIGURE 32 MODULE ROLES

- User has to click anywhere in the red highlighted boxes (as shown in the above Figure 32) to open up the module to provide the access of Functionality to the existing user.
- After opening the module, user has to select the Check Box (highlighted in red in below Figure 33) to choose the access of Functionality for the new user.

- Following are the Functionality, whose access can be decided by the Super Admin / Organization Admin for the new users or existing users :

❖ Consumer Functionality

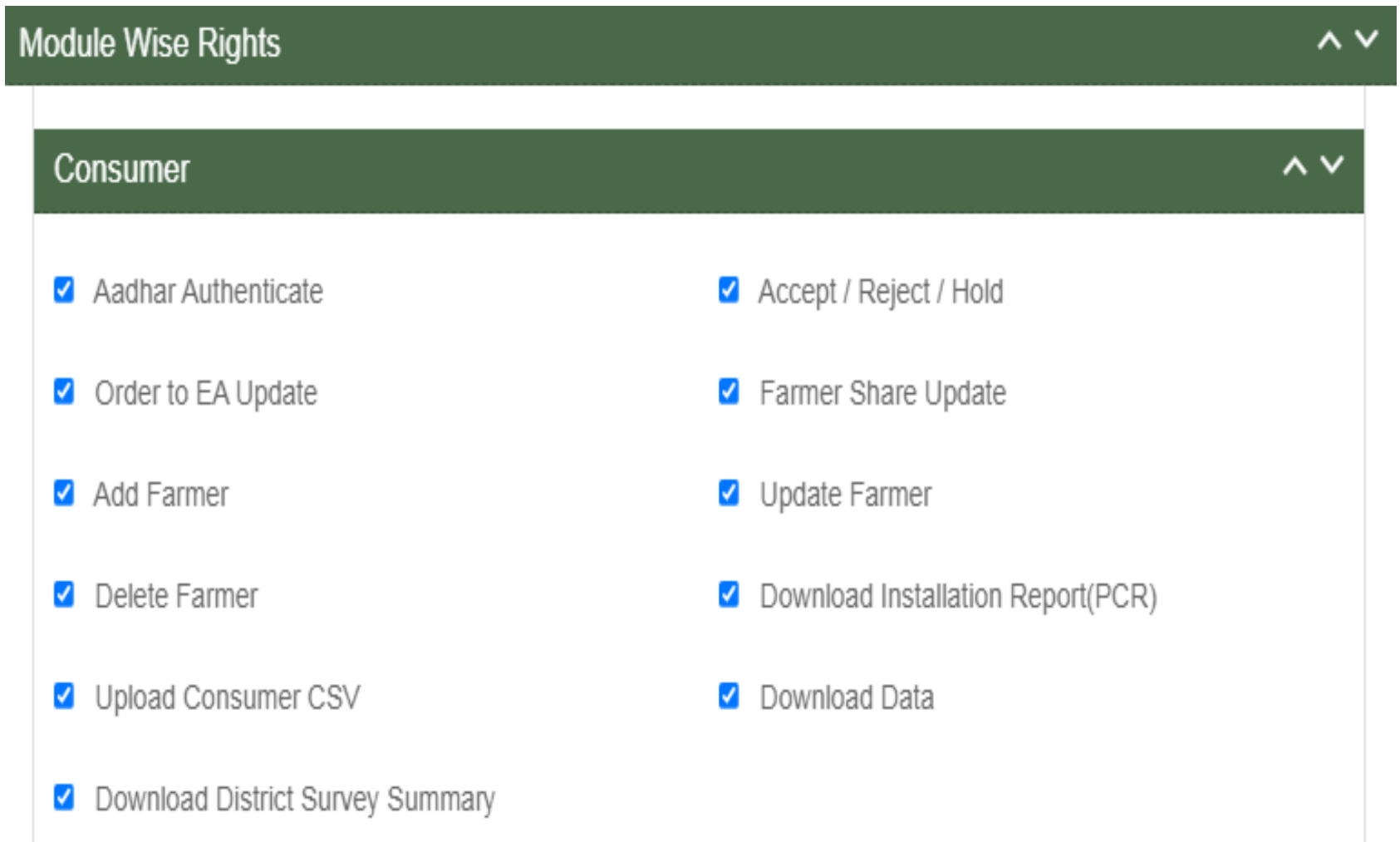


FIGURE 33 CONSUMER FUNCTIONALITY

TABLE 11 CONSUMER FUNCTIONALITY

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

❖ Scheme Progress

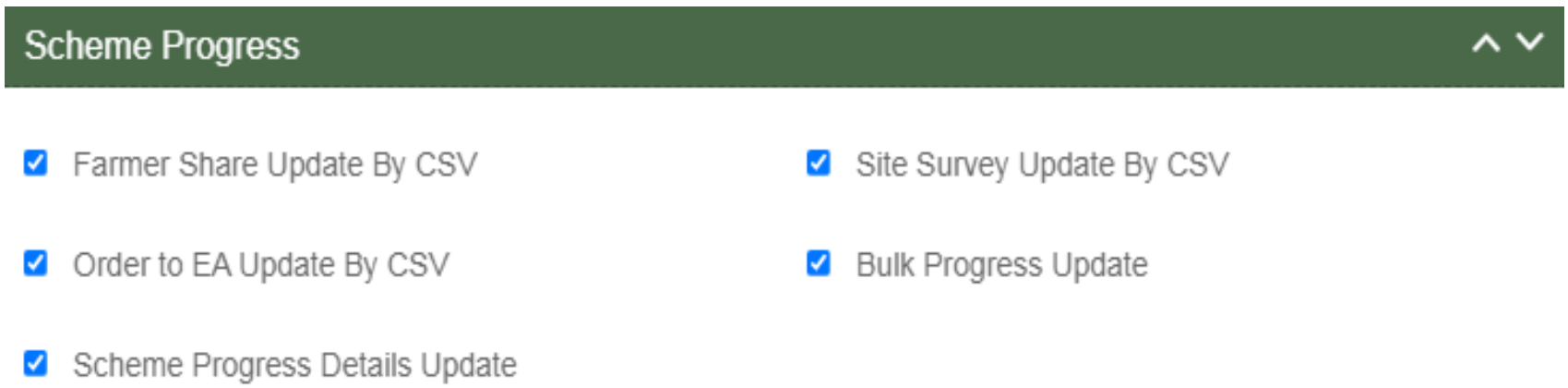


FIGURE 34 SCHEME PROGRESS FUNCTIONALITY

TABLE 12 SCHEME PROGRESS FUNCTIONALITY

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

❖ Site Survey Functionality

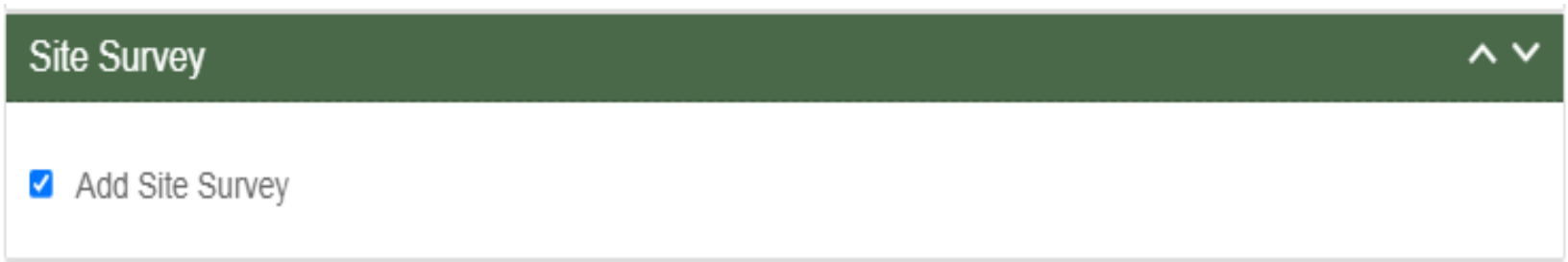


FIGURE 35 SITE SURVEY FUNCTIONALITY

TABLE 13 SITE SURVEY FUNCTIONALITY

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

❖ Asset Functionality

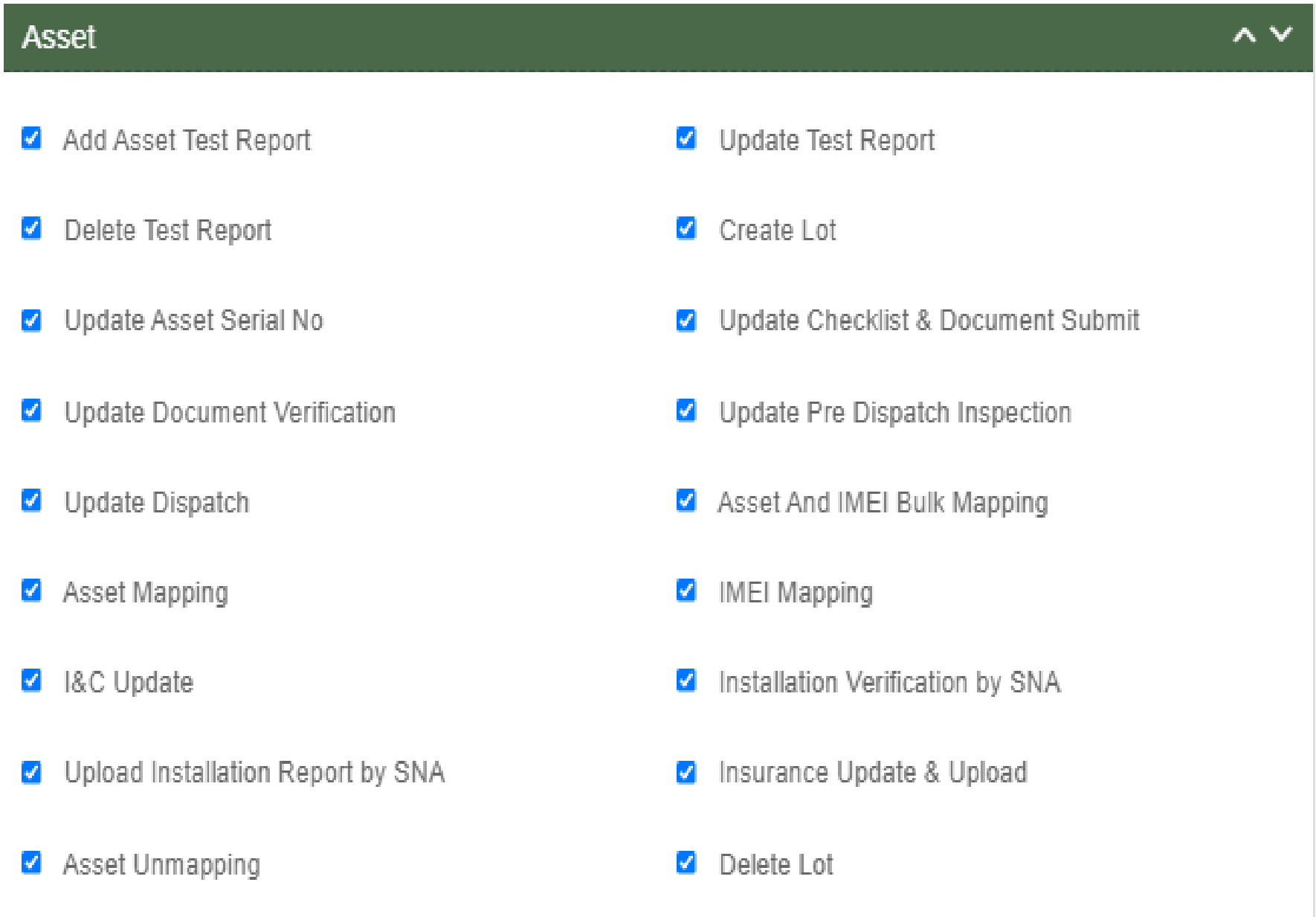


FIGURE 36 ASSET FUNCTIONALITY

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

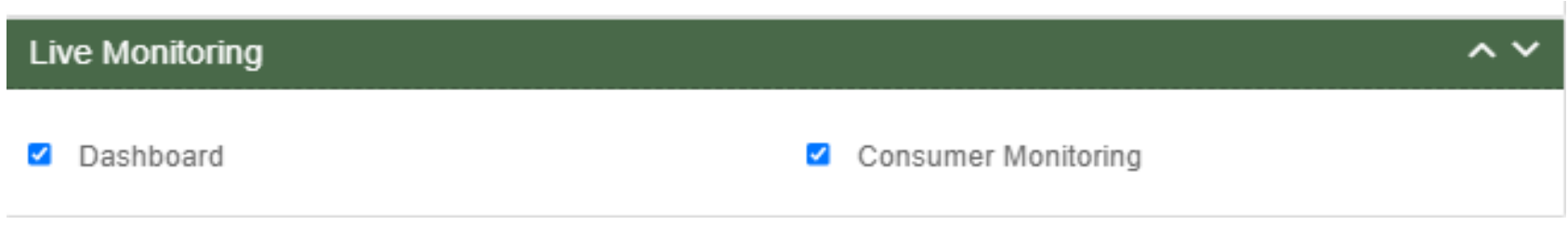


FIGURE 37 LIVE MONITORING FUNCTIONALITY

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

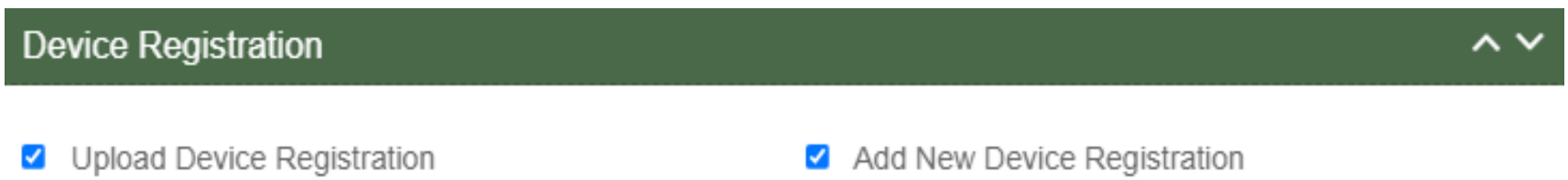


FIGURE 38 DEVICE REGISTRATION FUNCTIONALITY

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**

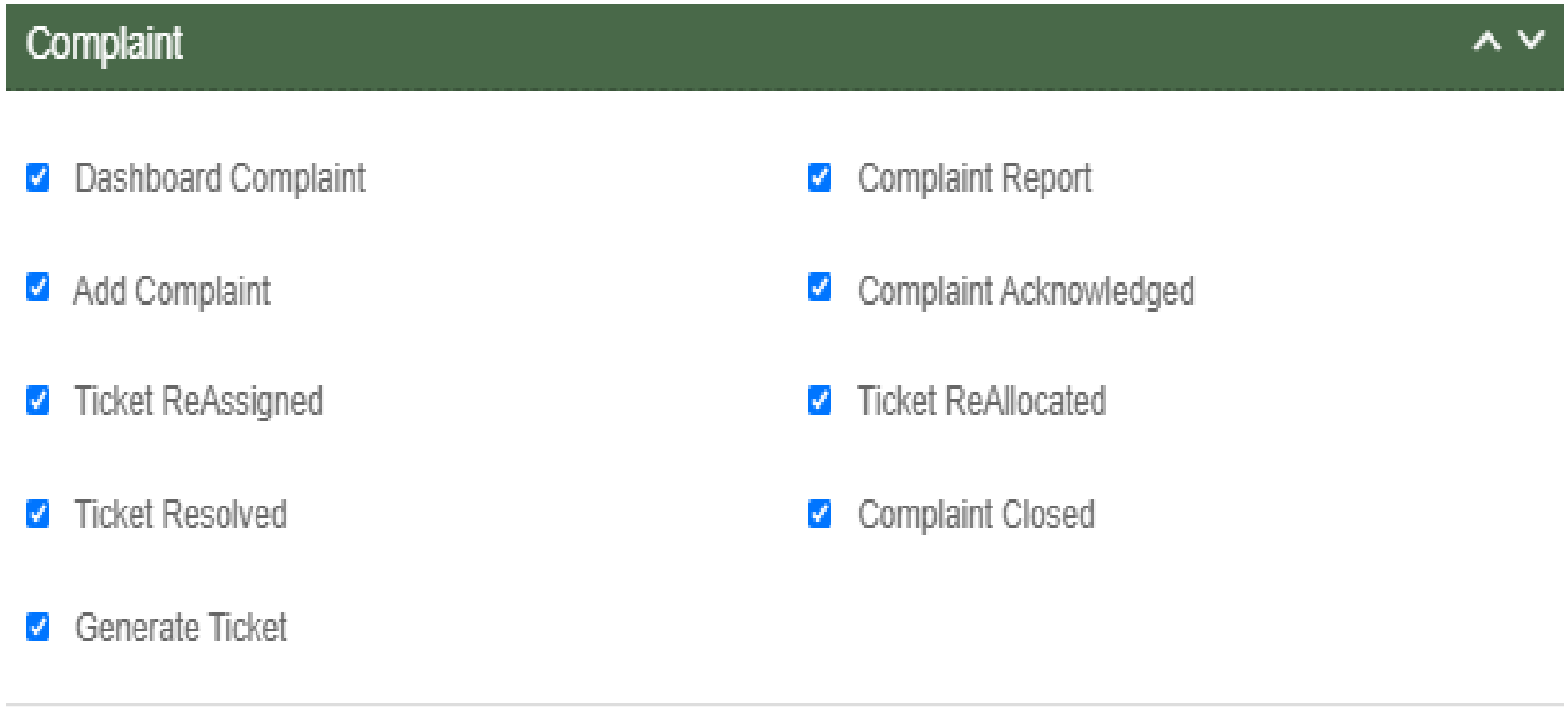


FIGURE 39 COMPLAINT SUB MODULES

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)

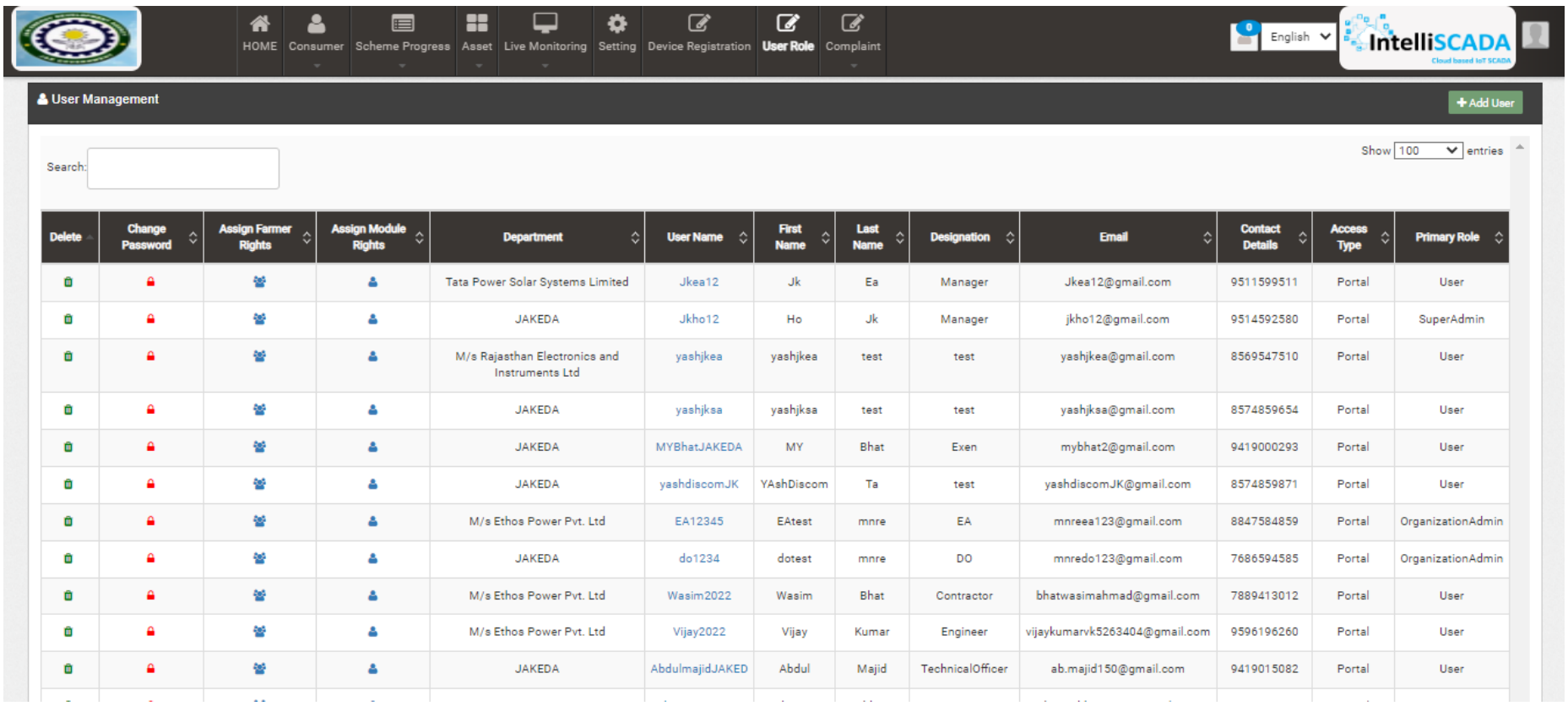


FIGURE 40 USER ROLE DASHBOARD

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**

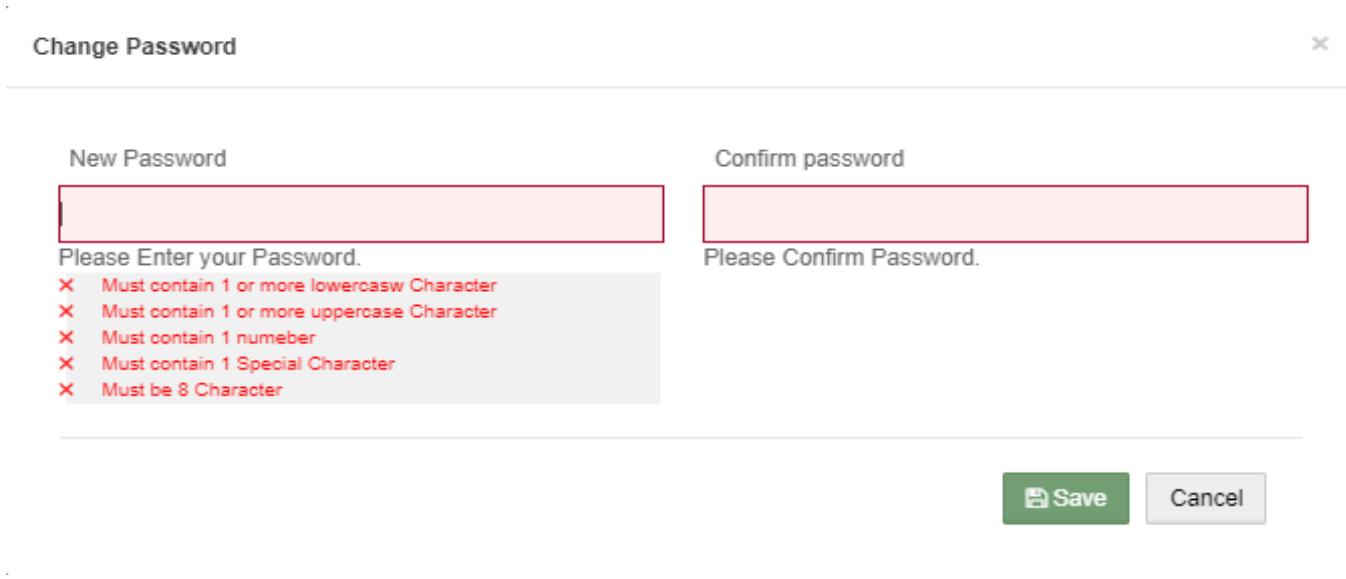


FIGURE 41 CHANGE PASSWORD SCREEN

- 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)

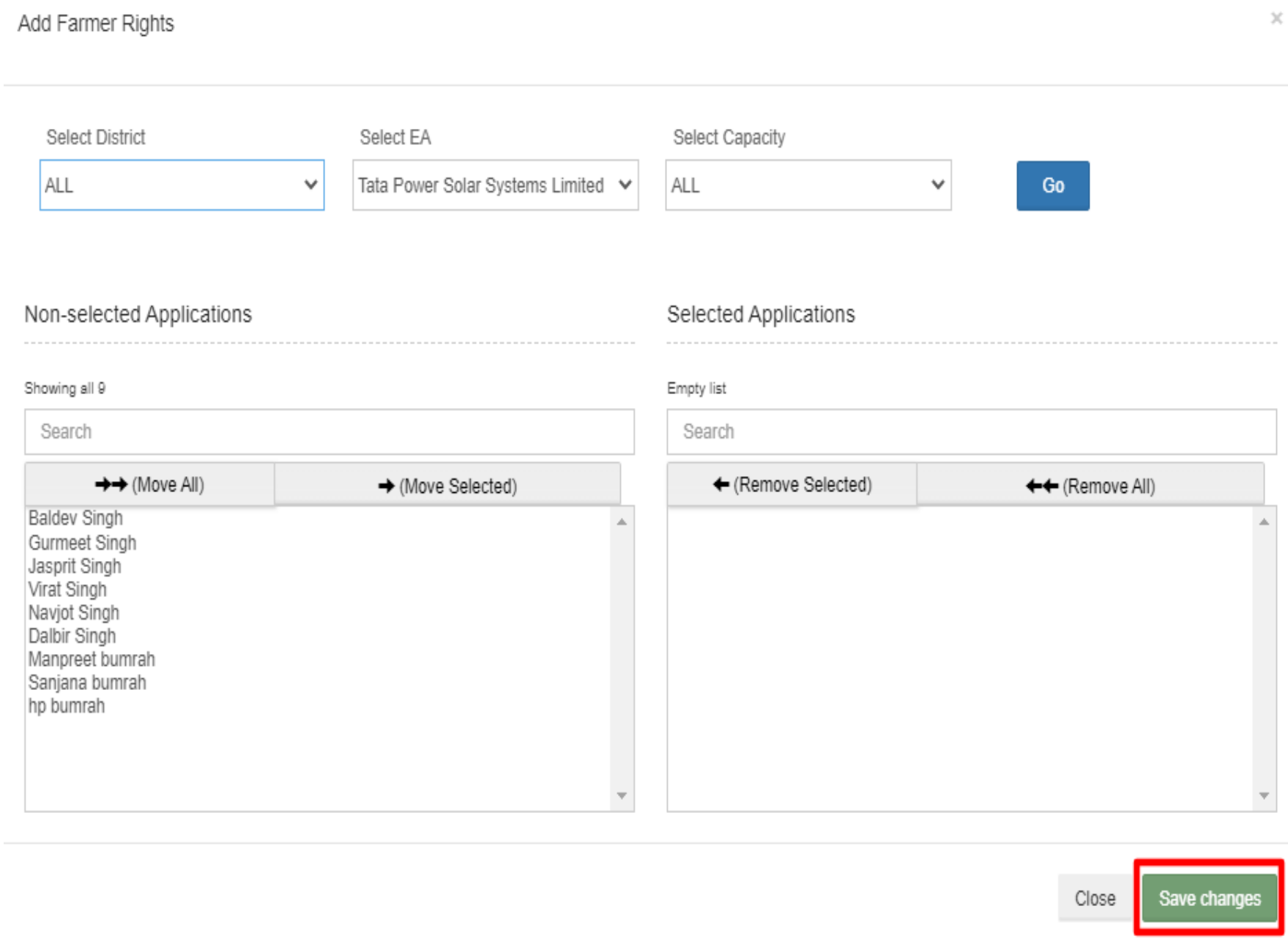
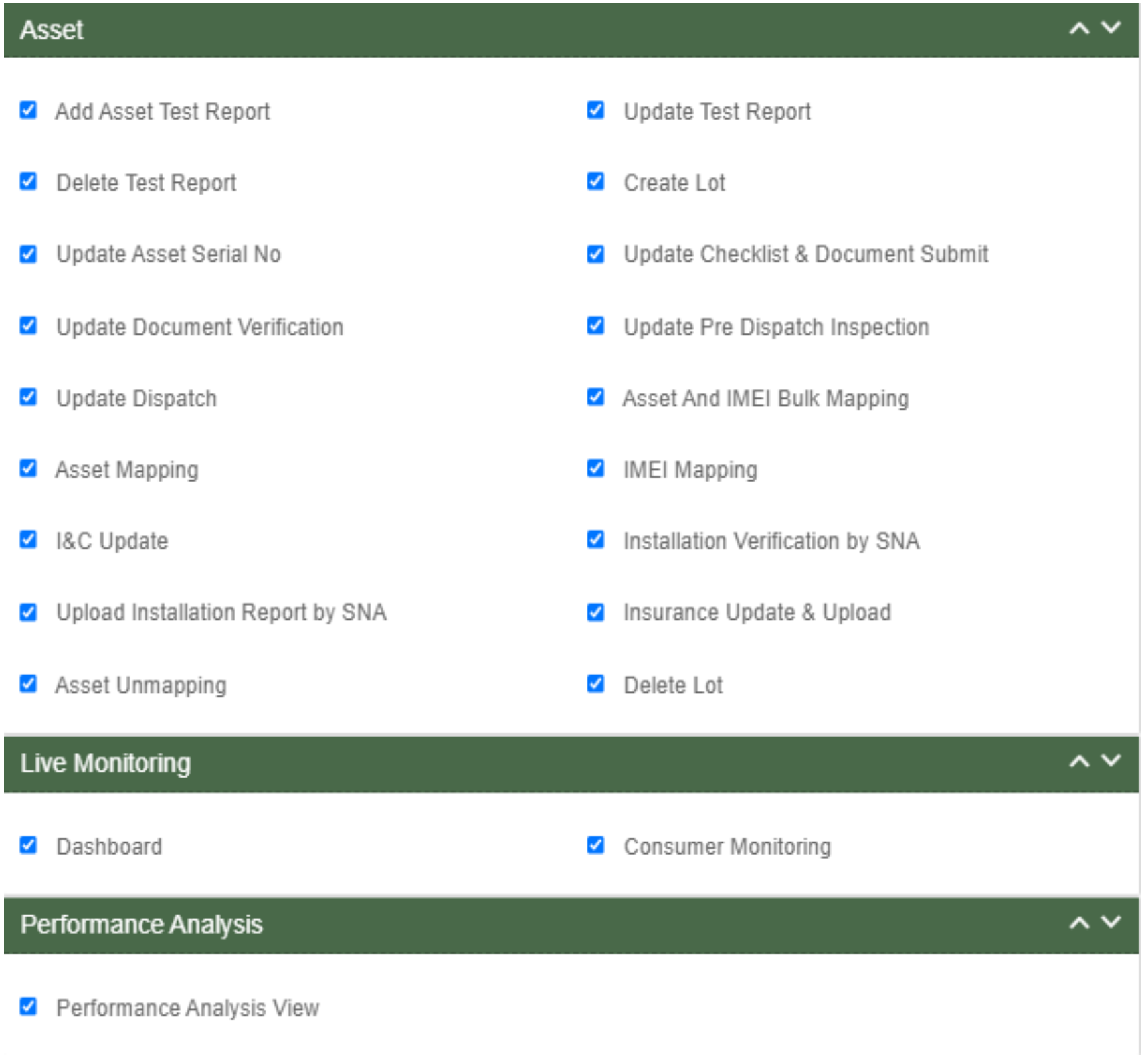


FIGURE 42 ASSIGN FARMER RIGHTS

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

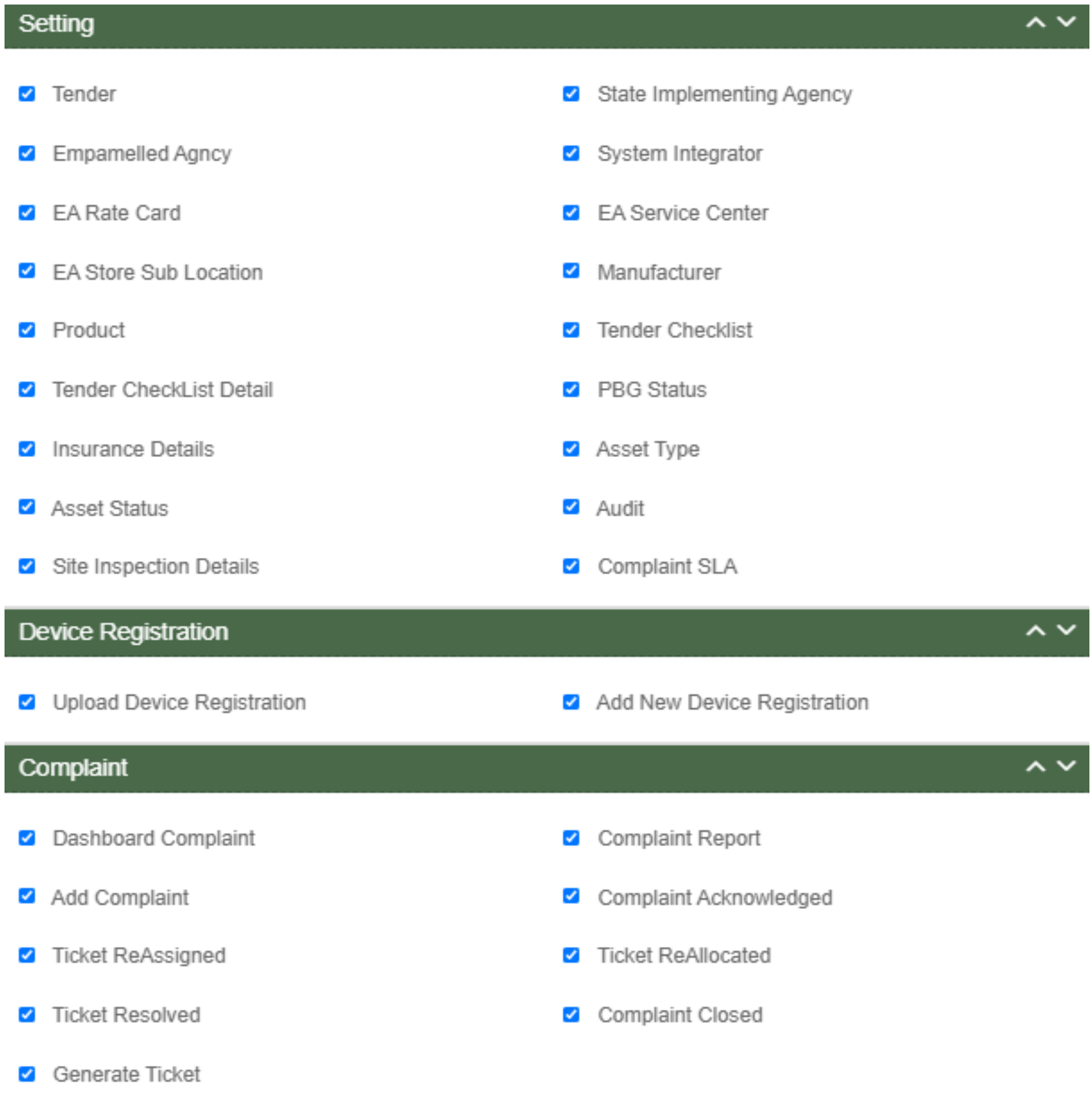


FIGURE 43 USER ROLE MODULE SELECTION SCREEN

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

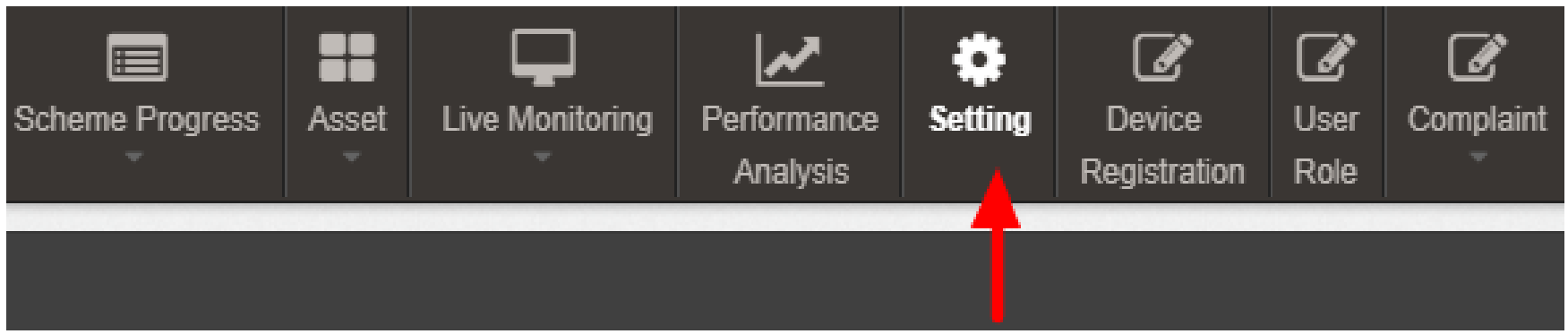


FIGURE 44 SETTING MODULE

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

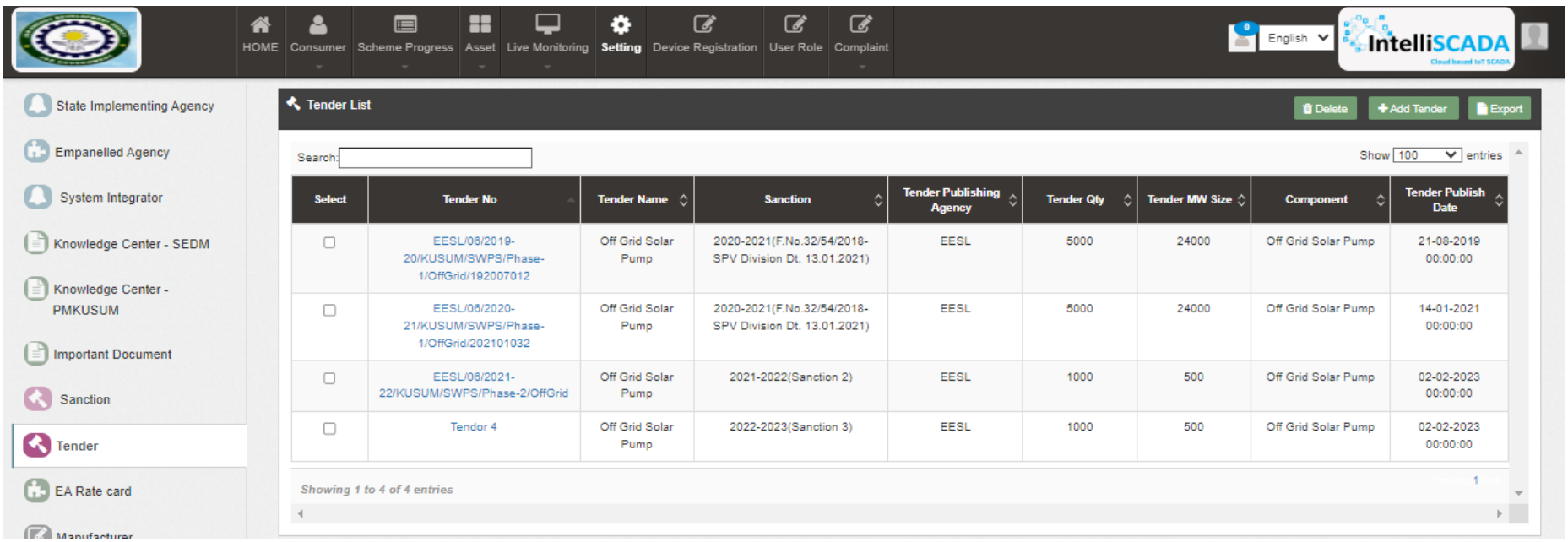
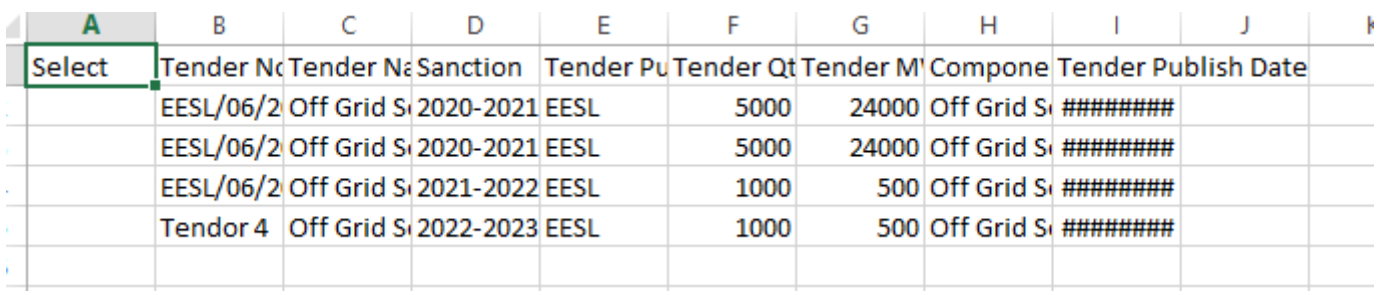


FIGURE 46 TENDER TAB DASHBOARD

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	J
	Select	Tender No	Tender Na	Sanction	Tender Pu	Tender Qt	Tender M	Compone	Tender Publish Date	
		EESL/06/2	Off Grid S	2020-2021	EESL	5000	24000	Off Grid S	########	
		EESL/06/2	Off Grid S	2020-2021	EESL	5000	24000	Off Grid S	########	
		EESL/06/2	Off Grid S	2021-2022	EESL	1000	500	Off Grid S	########	
		Tendor 4	Off Grid S	2022-2023	EESL	1000	500	Off Grid S	########	

FIGURE 47 CSV OF TENDER DETAILS

- User can register new Tender by clicking on “Add Tender” button. (highlighted in red in Figure 46)

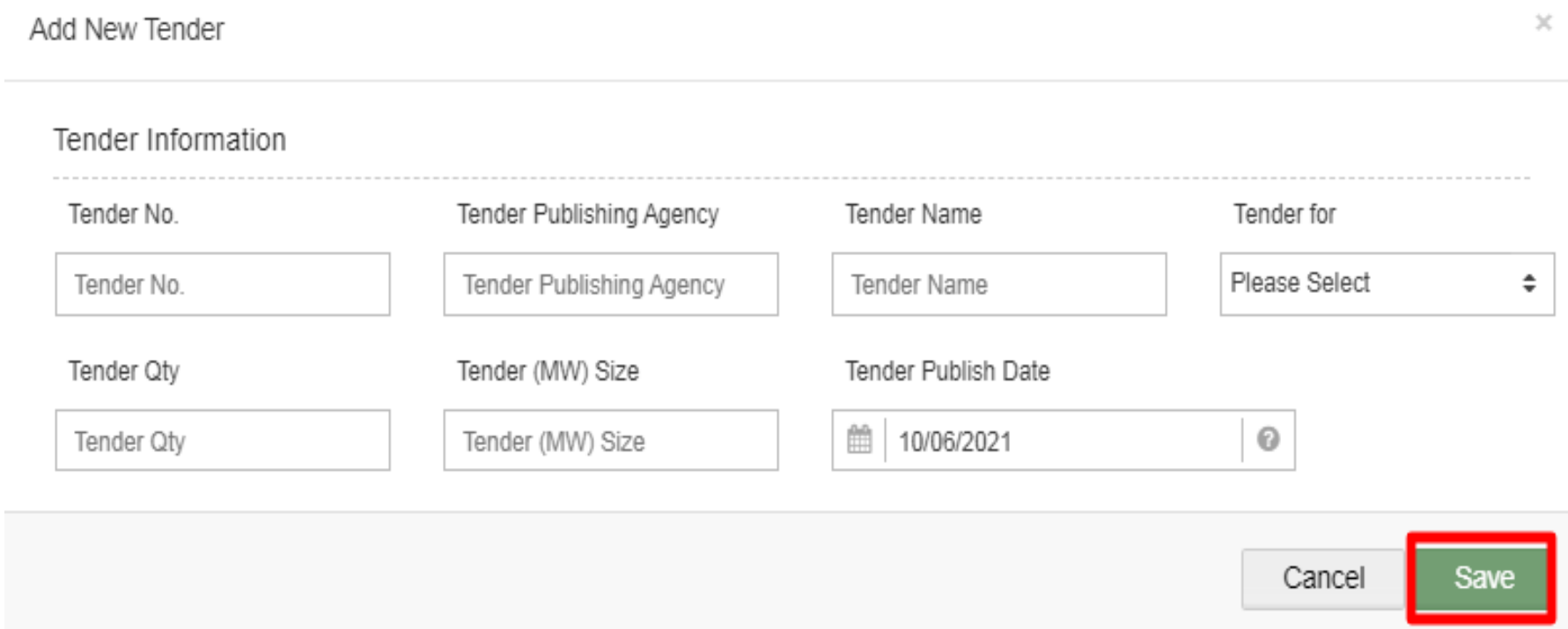


FIGURE 48 NEW TENDER DETAILS

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

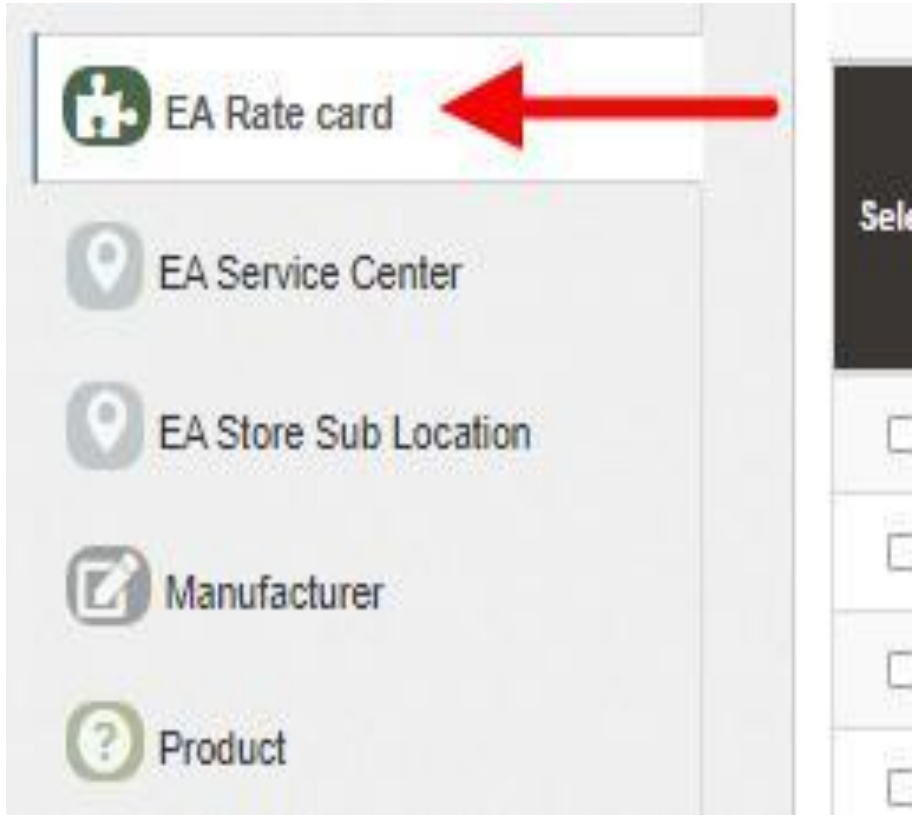


FIGURE 49 EA RATE CARD TAB

EA rate card

+Add EA Rate Card | Sync Data | Export

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.	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 Cont	Farmer Cc	State Cont	Farmer Cc	Is Sync on	National S	Central Contribution(INR with GST)			
2	Tata Powe	(2020-202	Off Grid S	DC	1	WaterFille	Submersil	110373	1.2	50	35	15	38630	16556			55186			
3	Tata Powe	(2020-202	Off Grid S	DC	2	WaterFille	Submersil	145664	1.8	50	35	15	50982	21849			72832			
4	Tata Powe	(2020-202	Off Grid S	DC	3	WaterFille	Submersil	186632	3	50	35	15	65321	27994			93316			
5	Tata Powe	(2020-202	Off Grid S	DC	3	WaterFille	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	WaterFille	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)

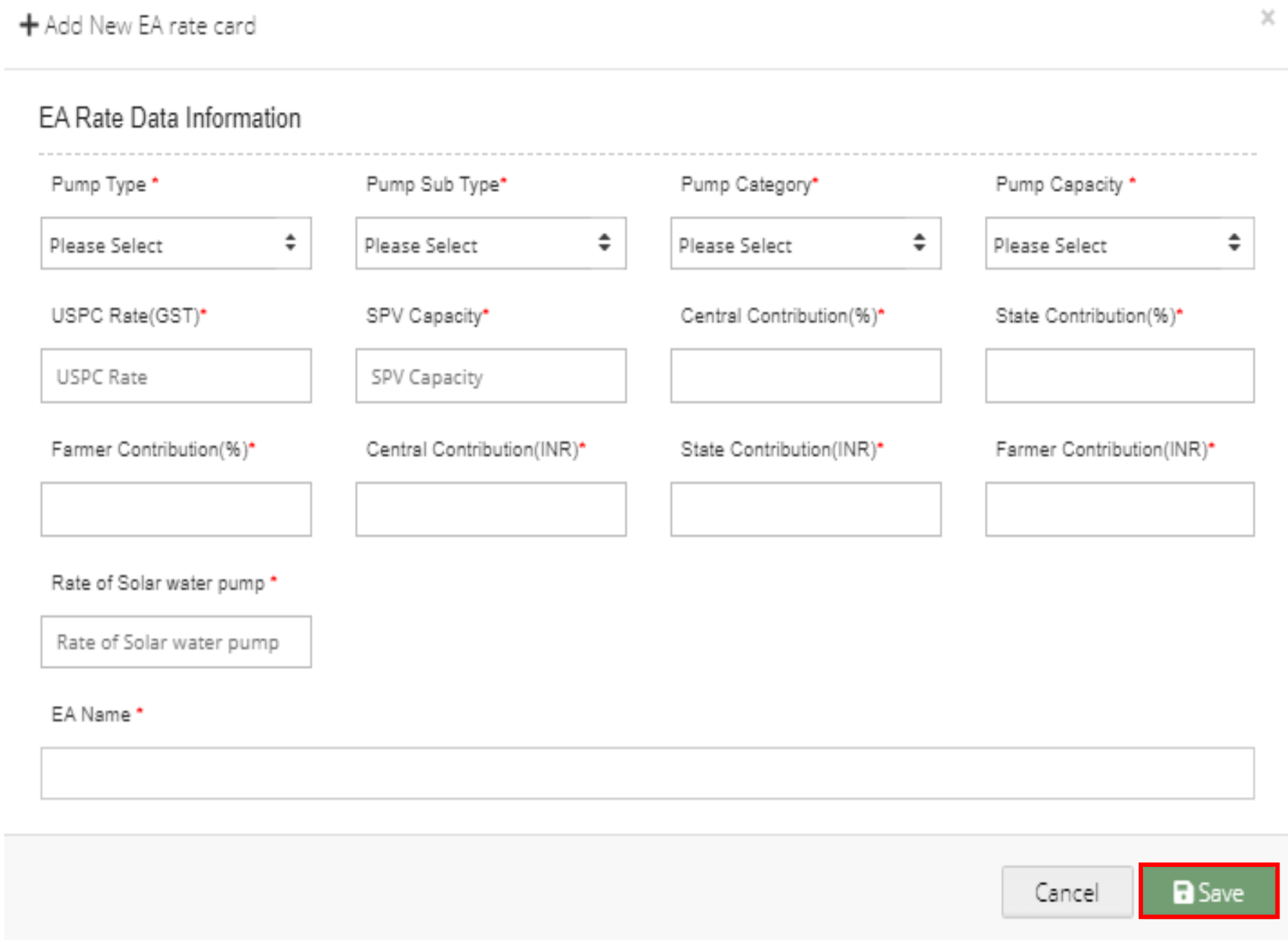


FIGURE 52 NEW EA RATE CARD DETAILS

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 - 7.5 HP - 10 HP	✓	5 HP	Selection of the Pump Capacity
USPC Rate (GST)	Numerical	-	✓	0	-
SPV Capacity	Numerical	-	✓	3	-
Central Contribution (%)	Numerical	-	✓	30	-
State Contribution (%)	Numerical	-	✓	45	-
Farmer Contribution (%)	Numerical	-	✓	25	-
Central Contribution (INR)	Numerical	-	✓	49668	-
State Contribution (INR)	Numerical	-	✓	74501	-
Farmer Contribution (INR)	Numerical	-	✓	41930	-
Rate of Solar Water Pump	Numerical	-	✓	16558	-

EA Name	Drop Down	- 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.

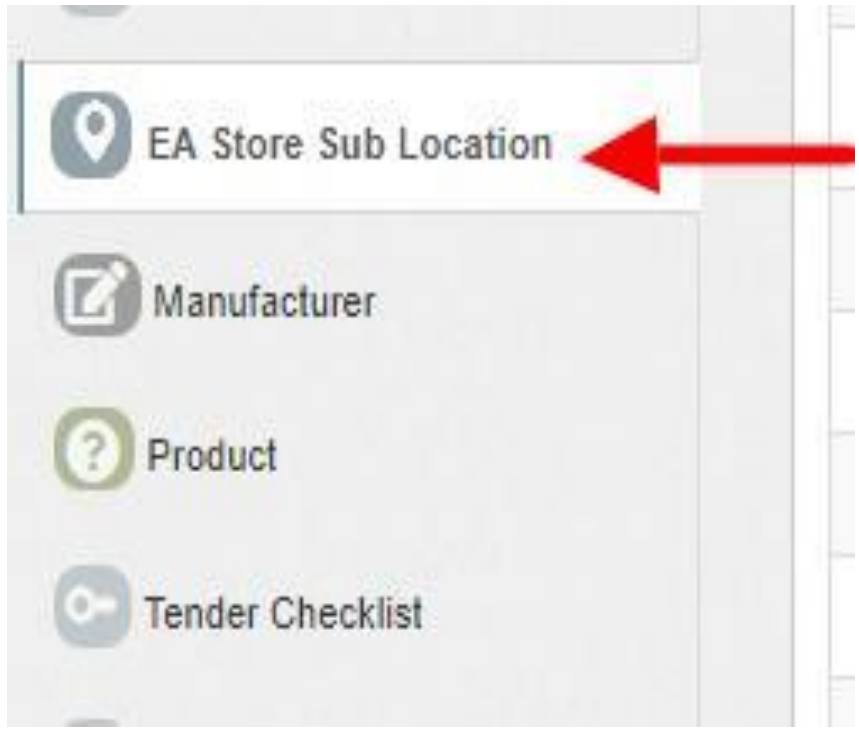


FIGURE 53 EA STORE SUB LOCATION TAB

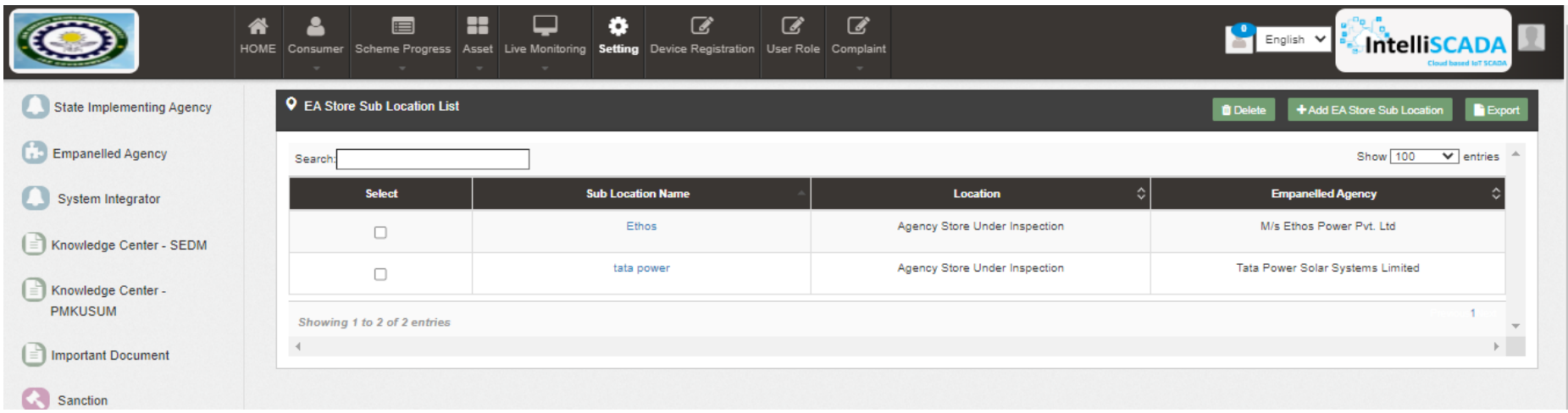
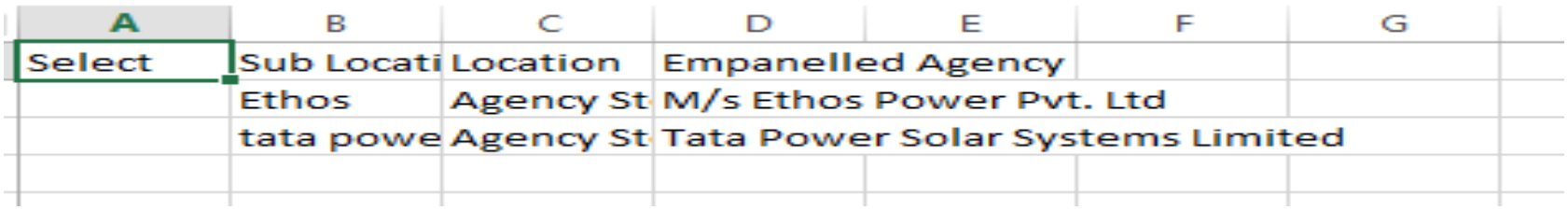


FIGURE 54 EA STORE SUB LOCATION DASHBOARD

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
1	Select	Sub Locati	Location	Empanelled Agency			
2		Ethos	Agency St	M/s Ethos Power Pvt. Ltd			
3		tata powe	Agency St	Tata Power Solar Systems Limited			
4							
5							

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)

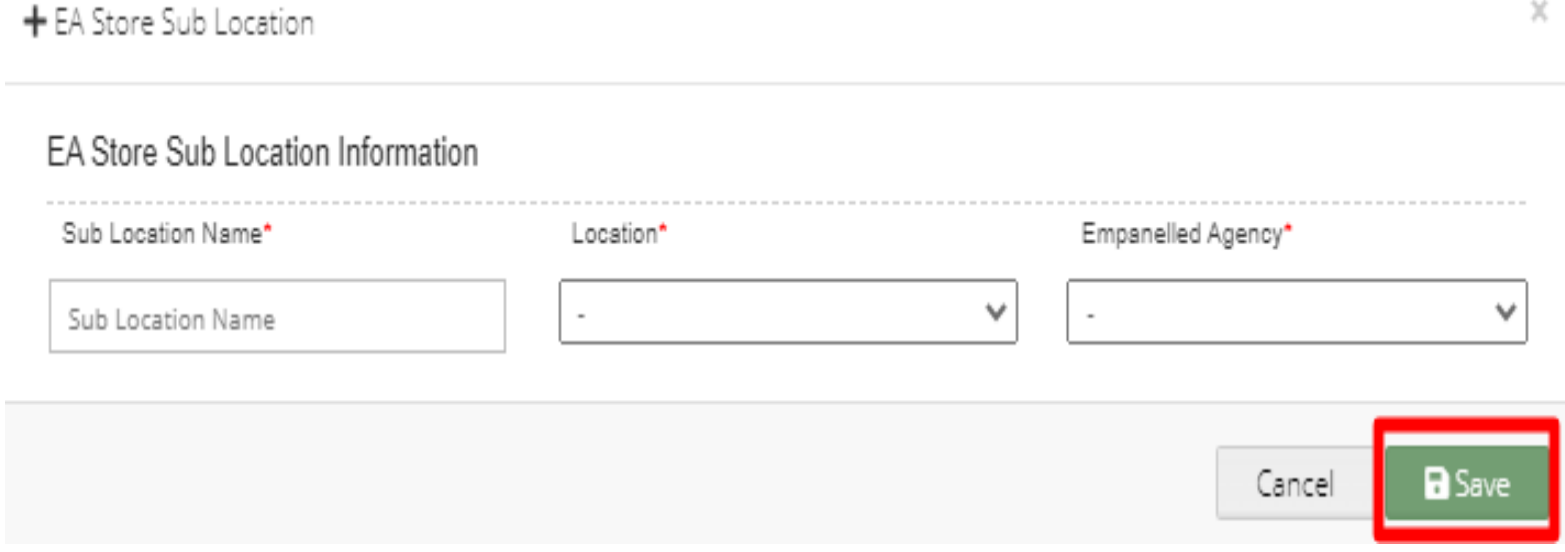


FIGURE 56 NEW EA STORE SUB LOCATION DETAILS

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

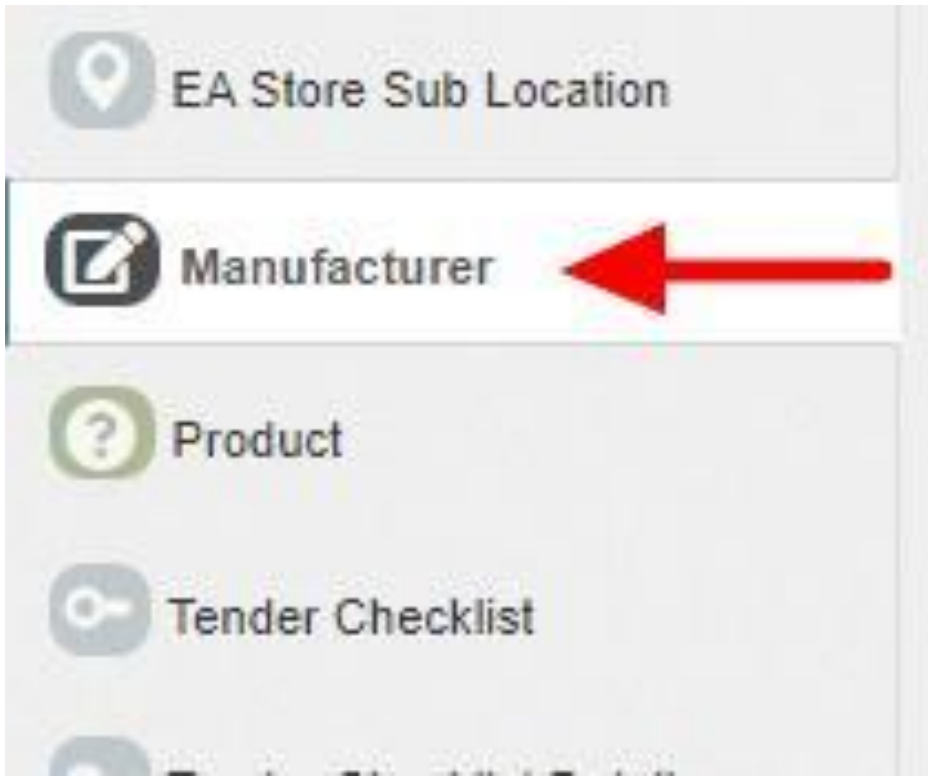


FIGURE 57 MANUFACTURER TAB

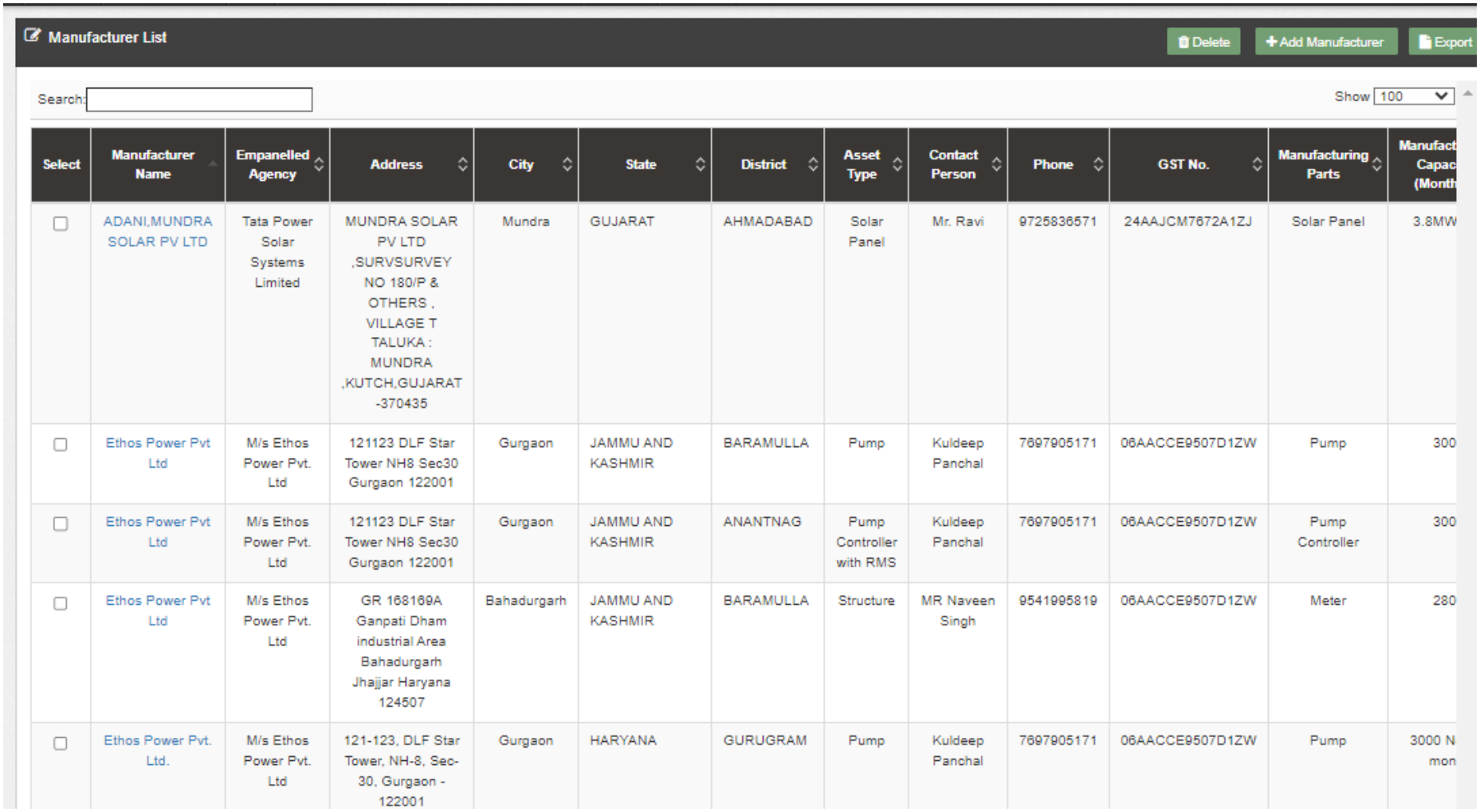


FIGURE 58 MANUFACTURER TAB DASHBOARD

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	O
Select	Manufacti	Empanelle	Address	City	State	District	Asset Typ	Contact Pe	Phone	GST No.	Manufacti	Manufacturing Capacity (Monthl		
	ADANI,MU	Tata Powe	MUNDRA	Mundra	GUJARAT	AHMADAE	Solar Pane	Mr. Ravi	9.73E+09	24AAJCM7	Solar Pane	3.8MW/day		
	Ethos Pow	M/s Ethos	121123 DL	Gurgaon	JAMMU AI	BARAMUL	Pump	Kuldeep P	7.7E+09	06AACCE9	Pump	3000		
	Ethos Pow	M/s Ethos	121123 DL	Gurgaon	JAMMU AI	ANANTNA	Pump Cor	Kuldeep P	7.7E+09	06AACCE9	Pump Cor	3000		
	Ethos Pow	M/s Ethos	GR 168169	Bahadurga	JAMMU AI	BARAMUL	Structure	MR Navee	9.54E+09	06AACCE9	Meter	2800		
	Ethos Pow	M/s Ethos	121-123, D	Gurgaon	HARYANA	GURUGRA	Pump	Kuldeep P	7.7E+09	06AACCE9	Pump	3000 No per month		
	Ethos Pow	M/s Ethos	121-123, D	Gurgaon	HARYANA	GURUGRA	Pump Cor	Kuldeep P	7.7E+09	06AACCE9	Pump Cor	3000 No per month		
	Ethos Pow	M/s Ethos	GR 168-16	Bahadurga	HARYANA	JHAJJAR	Structure	Naveen Si	9.54E+09	06AACCE9	RMS	2800MT		
	Greenbilia	M/s VRG E	Greenbrill	Vadodara	GUJARAT	VADODAF	Solar Pane	Viral Darji	8.14E+09	NA	Solar Pane	10MW		
	ICON SOL	M/s Ethos	3RD FLOO	Raipur	JAMMU AI	ANANTNA	Solar Pane	MR Navee	9.54E+09	22AADCI5	Solar Pane	12		
	ICON SOL	M/s Ethos	3RD FLOO	Raipur	CHHATTIS	RAIPUR	Solar Pane	Mr. Navin	9.54E+09	22AADCI5	Solar Pane	12 MWp/month		
	IRABK ME	Sri Savitir	A-2, Banke	Jaipur	RAJASTHA	JAIPUR	Structure	Mohamma	9.17E+09	08AAHFI6	RMS	400 MT		
	OSWAL PU	Tata Powe	Oswal Est	Karnal	HARYANA	KARNAL	Pump Cor	Mr. Jignes	9.73E+09	06AAACO	Pump Cor	5000		
	OSWAL PU	Tata Powe	Oswal Est	Karnal	HARYANA	KARNAL	Pump	Mr. Jignes	9.73E+09	06AAACO	Pump	5000		
	Raydean	M/s Ethos	ROAD NO	Jaipur	JAMMU AI	JAMMU	Structure	MR Navee	9.54E+09	08AAKFR5	Meter	3000		
	RAYDEAN	Tata Powe	?G-1-22, R	Jaipur	RAJASTHA	JAIPUR	Structure	Ankit Seth	8.23E+09	08AAKFR5	RMS	2000 MT		
	Raydean I	M/s Ethos	ROAD NO	Jaipur	RAJASTHA	JAIPUR	Structure	Naveen Si	9.54E+09	08AAKFR5	RMS	3000 MT		
	Raydean I	M/s VRG E	Raydean I	Jaipur	RAJASTHA	JAIPUR	Structure	Krishan Sh	72270 474	NA	RMS	5000 No		
	ROTOMAC	Sri Savitir	Gana-Bors	Anand	GUJARAT	ANAND	Pump	Saji Vargh	9.57E+09	24AAACR9	Pump	50000		
	ROTOMAC	Sri Savitir	Gana-Bors	Anand	GUJARAT	ANAND	Pump Cor	Saji Vargh	9.57E+09	24AAACR9	Pump	5000		
	Sri Savitr S	Sri Savitir	Plot No. 3	Hyderaba	TELANGAI	RANGA RE	Solar Pane	Sudhir Kar	9.95E+09	36AAQCS0	Solar Pane	6000 No		
	Sunbond E	M/s VRG E	181/p2, Pa	Morbi	GUJARAT	MORBI	Solar Pane	Priyam Pa	8.14E+09	NA	Solar Pane	10MW		
	Tata Powe	Tata Powe	Tata Powe	Bengaluru	KARNATA	BENGALUI	Solar Pane	Mr. Abhin	9.98E+09	29AAACT4	Solar Pane	1.2MW/day		

FIGURE 59 CSV OF MANUFACTURER DETAILS

- User can register new Manufacturer by clicking on “Add Manufacturer” button. (highlighted in red in Figure 58)

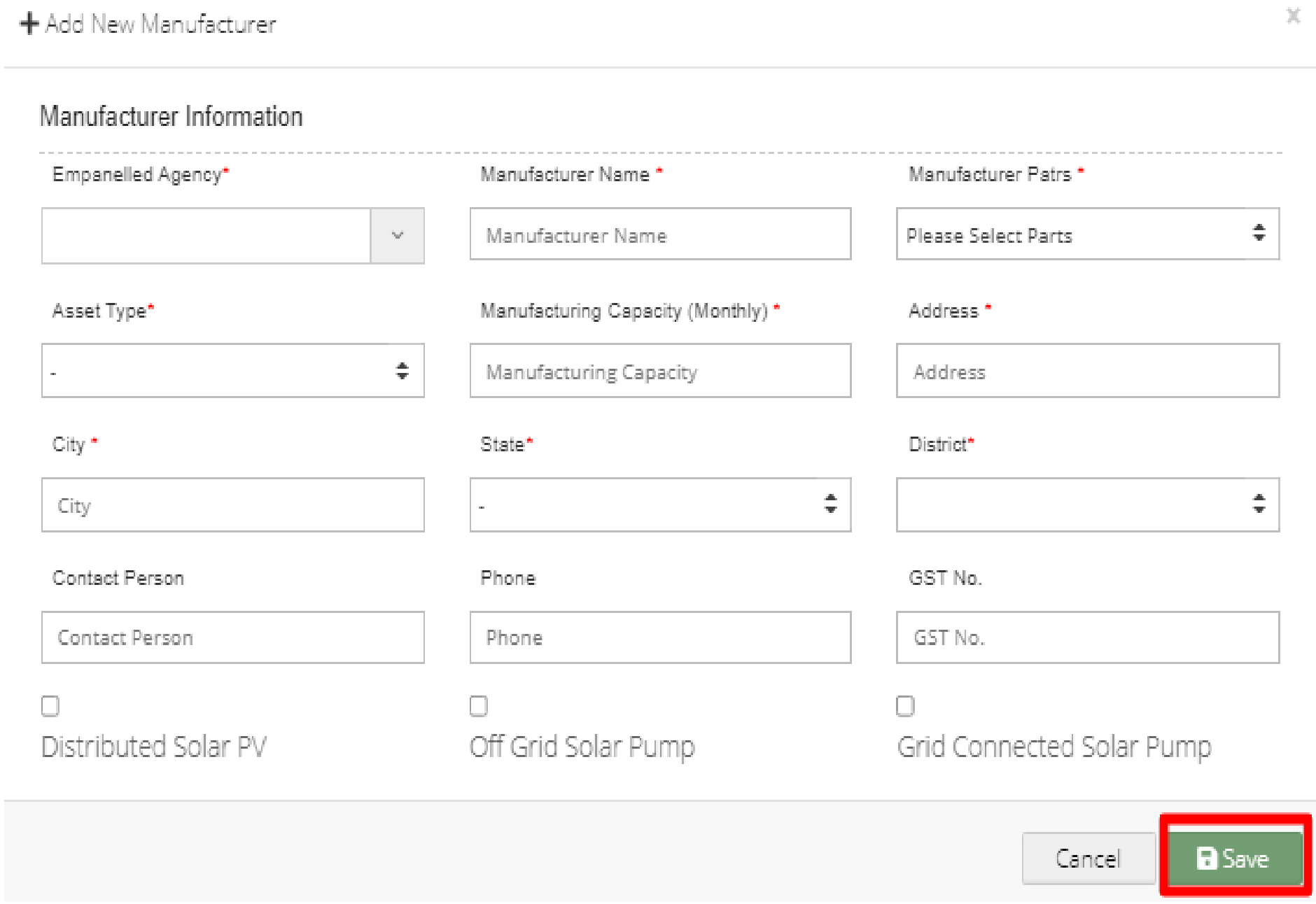


FIGURE 60 NEW MANUFACTURER DETAILS

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 - Pump - RMS - Meter	✓	Solar Panel	Selection of the manufacturer parts of the assets	-
Asset Type	Drop Down	- Pump - Solar Panel - Pump Controller with RMS - Structure	✓	Solar Panel	Selection of relevant asset type that the manufacturer is manufacturing.	-
Manufacturer Capacity (Monthly)	Numerical	-	✓	320	-	-
Address	Text	-	✓	Plot No. 34/1, Survey No. 374, CIE Phase II,	-	-
City	Text	-	✓	SAMBA	-	-
State	Drop Down	- STATE - GUJARAT - JAMMU AND KASHMIR - TRIPURA -	✓		Selection of the relevant State from where the manufacture belong from	-
District	Drop Down	- BANDIPORA - DODA - JAMMU - KATHUA - PUNCH - RAJOURI - REASI - RAMBAN - SAMBA	✓	SAMBA	Selection of the relevant district from where the manufacture belong from	-

Contact Person	Text	**-**	✓	Mr.Sudhir Kant Gir	**-**	**-**
Phone	Numerical	**-**	✓	9949033677	**-**	- Must be of 10 digits only
GST No.	Text	**-**	✓	36AAQCS0838P4Z7	**-**	- It must be of 15 digits only - First two digits should be the state code - Next ten digits should be the PAN number of the person or business entity - The thirteenth is alpha-numeric digit (1-9 or A-Z) - The fourteenth digit will be the alphabet “Z” by default - The last digit should be any number (1-9)
Component	Radio Button	- Distributed Solar PV (A) - Off Grid Solar Pump (B) - Grid Connected Solar Pump (C)	✓	Off Grid Solar Pump	**-**	**-**

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

11.5. REGISTRATION OF PRODUCT DETAILS

- Product details corresponding to Manufacturer and Empanelled Agency need to be added while creation of Asset Test Report which will be further added in Lot creation. (click **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

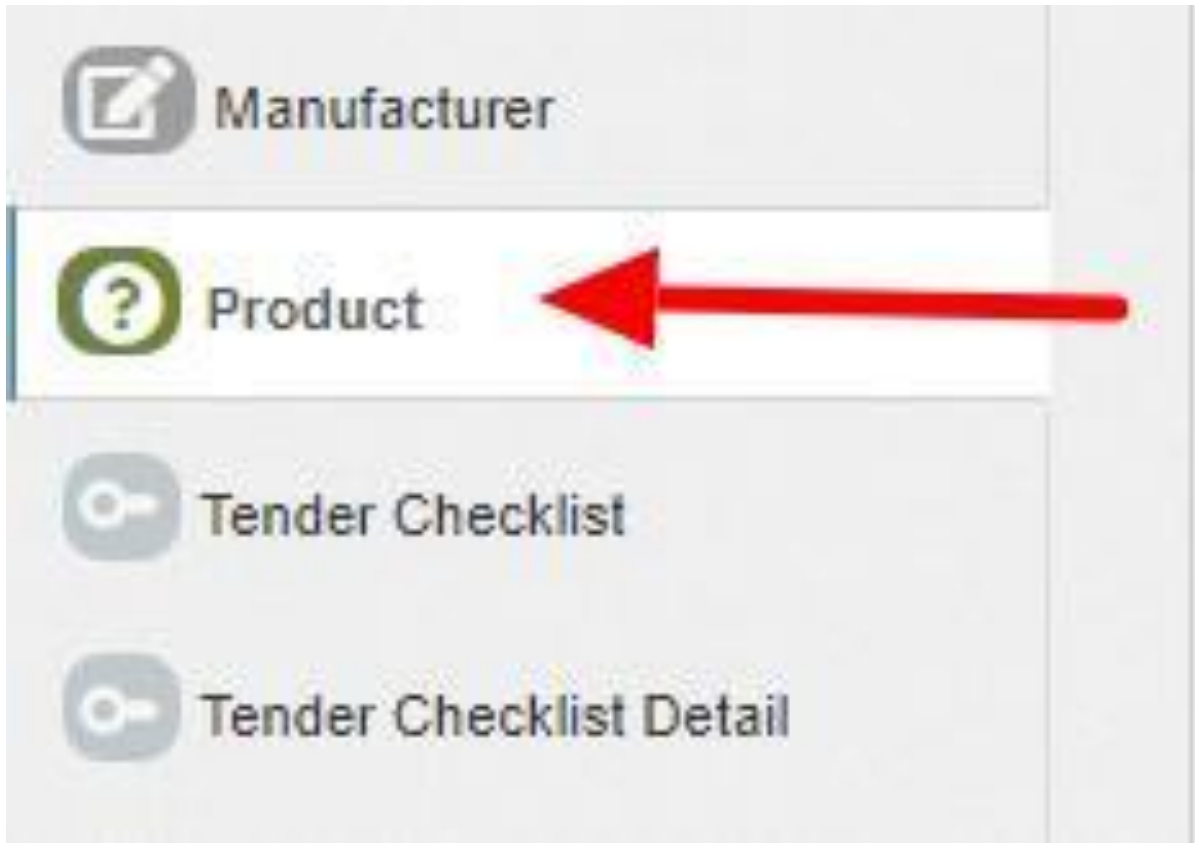
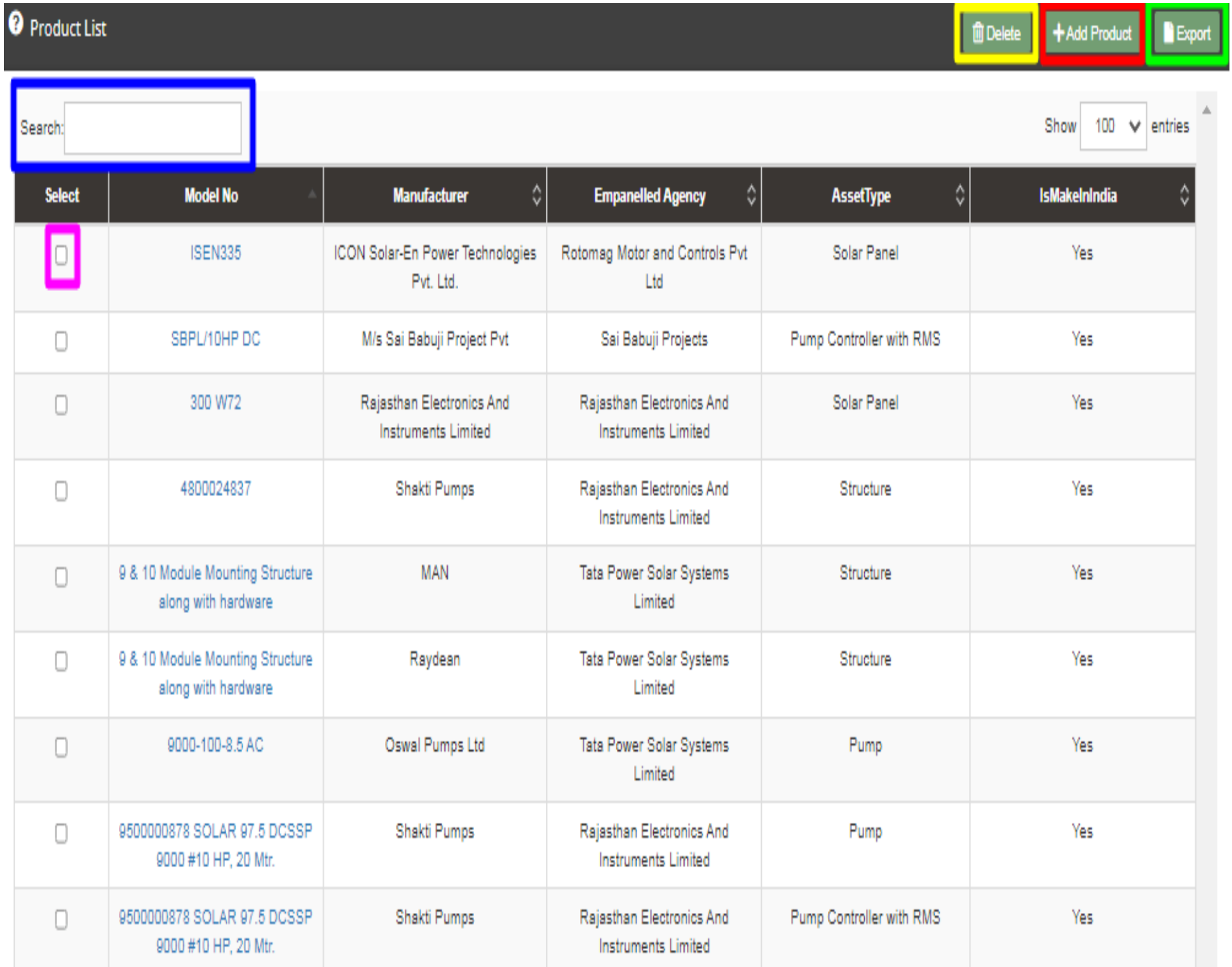


FIGURE 61 PRODUCT TAB



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

FIGURE 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 I	Rotomag Motor and Controls Pvt Ltd	Solar Panel	Yes
3	SBPL/10HP DC	M/s Sai Babuji Project Pvt	Sai Babuji Projects	Pump Controller with RMS	Yes
4	300 W72	Rajasthan Electronics And Instrumer	Rajasthan Electronics And Instrumer	Solar Panel	Yes
5	4800024837	Shakti Pumps	Rajasthan Electronics And Instrumer	Structure	Yes
6	9 & 10 Module Mounting Structure a	MAN	Tata Power Solar Systems Limited	Structure	Yes
7	9 & 10 Module Mounting Structure a	Raydean	Tata Power Solar Systems Limited	Structure	Yes
8	9000-100-8.5 AC	Oswal Pumps Ltd	Tata Power Solar Systems Limited	Pump	Yes
9	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
10	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
11	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
12	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
13	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
14	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
15	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
16	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
17	AC/DC	VER Energy India Pvt Ltd	VRG ENERGY INDIA PVT LTD	Pump Controller with RMS	Yes
18	ASP-7-340	Mundra Solar PV Limited	Shakti Pumps I Ltd	Solar Panel	Yes
19	ATHARVA ISEN 320WP	Icon Solar-En Power Technologies P	Ethos Power	Solar Panel	Yes
20	DCSSP 9000	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
21	DESERV 3M6-320	Renewsys India Pvt. Ltd.	Shakti Pumps I Ltd	Solar Panel	Yes
22	ECO 320 H & 325 H	PV Power Tech. Pvt. Ltd.	Shakti Pumps I Ltd	Solar Panel	Yes
23	ECO325H	PV Power Technologies Ltd	Tata Power Solar Systems Limited	Solar Panel	Yes
24	ECO335H	PV Power Technologies Ltd	Tata Power Solar Systems Limited	Solar Panel	Yes
25	Ecotron V4.0	Ecozen Solutions Pvt. Ltd.	Ecozen Solutions Private Limited	Pump Controller with RMS	Yes

FIGURE 63 CSV OF PRODUCT DETAILS

- User can register new Product by clicking on “Add Product” button. (highlighted in red in Figure 62)

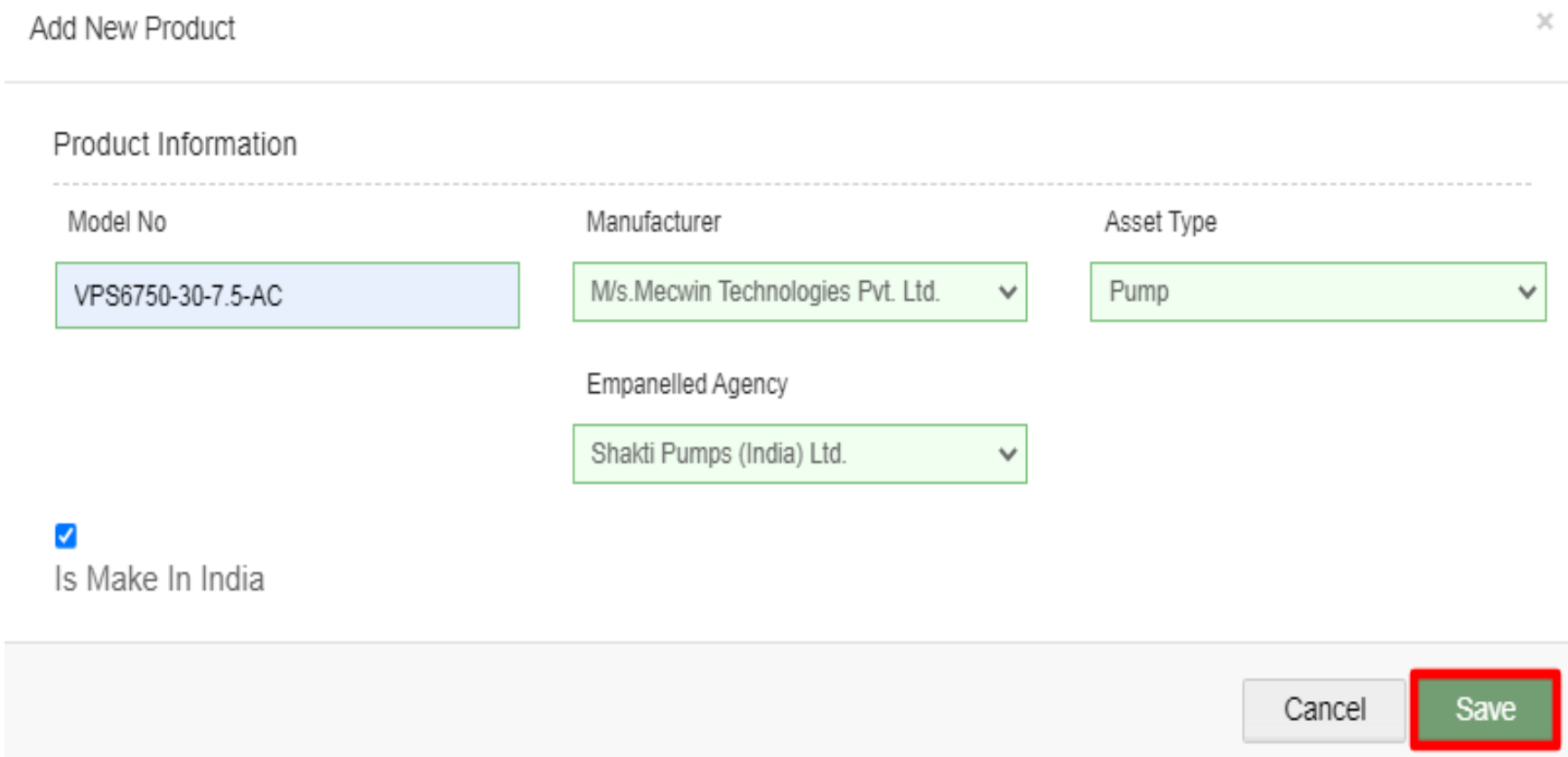


FIGURE 64 NEW PRODUCT DETAILS

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

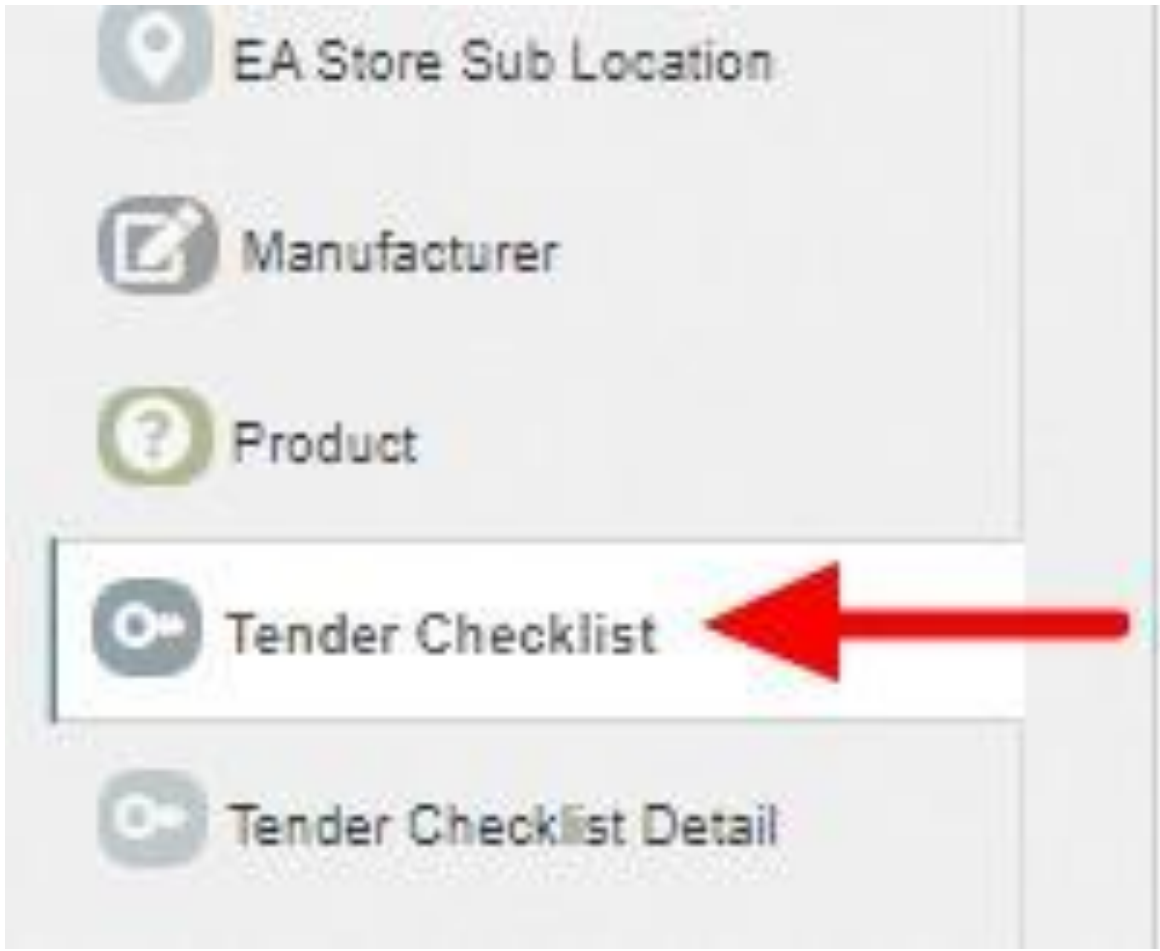


FIGURE 65 TENDER CHECKLIST TAB

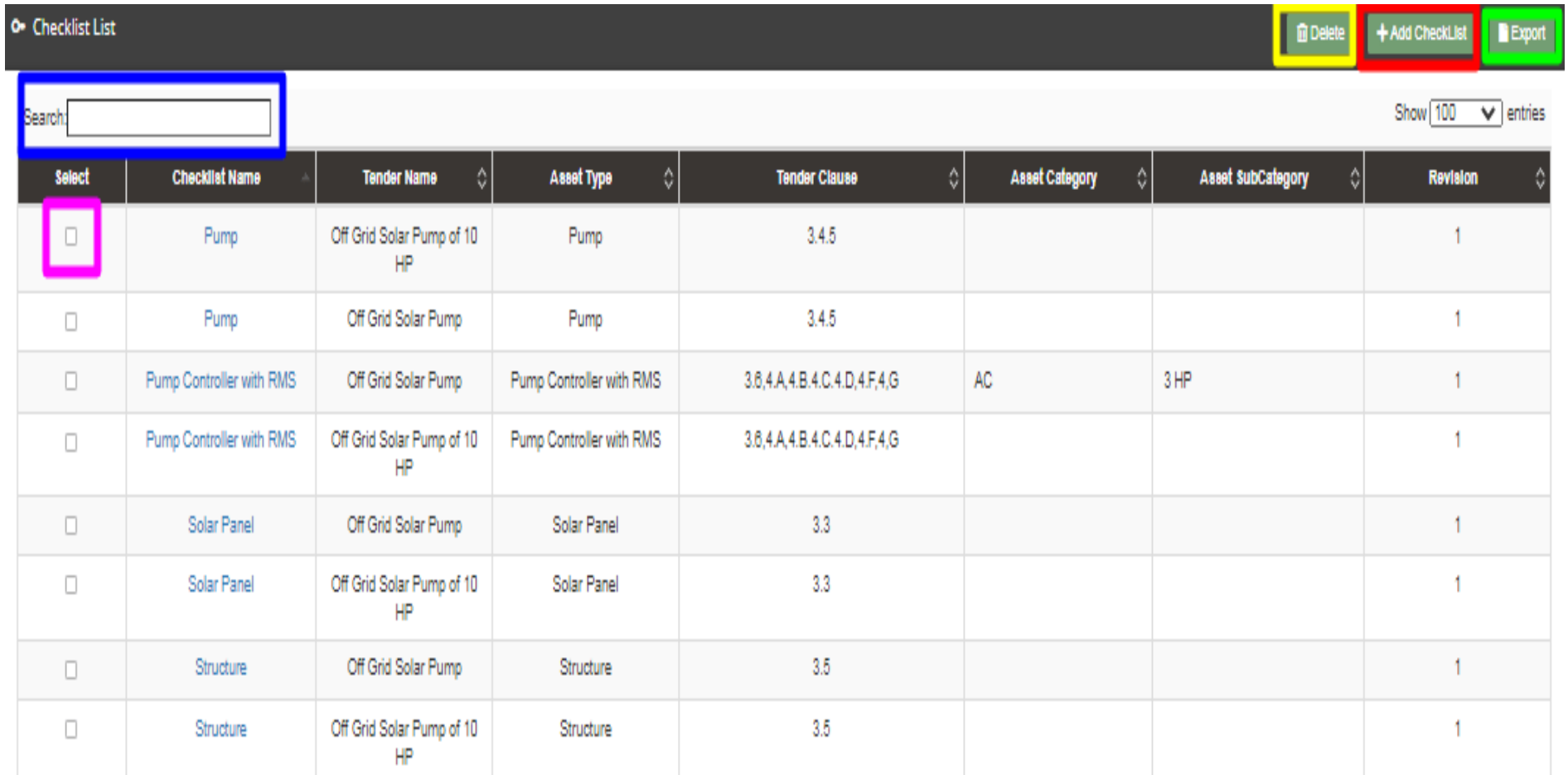


FIGURE 66 TENDER CHECKLIST TAB DASHBOARD

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)

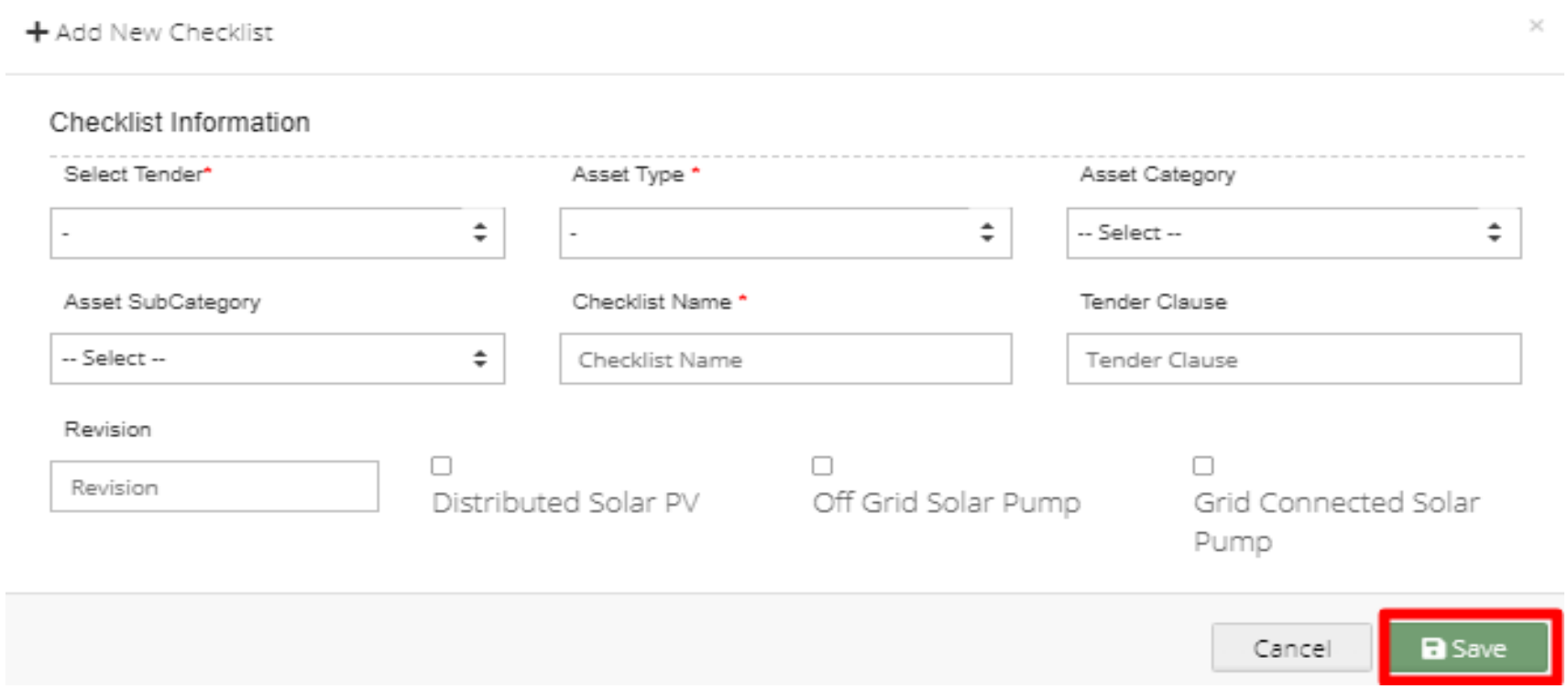


FIGURE 68 NEW CHECKLIST DETAILS

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) - Grid Connected Solar Pump (C)	✓	Off Grid Solar Pump (B)	Select PM-KUSUM Component

- 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

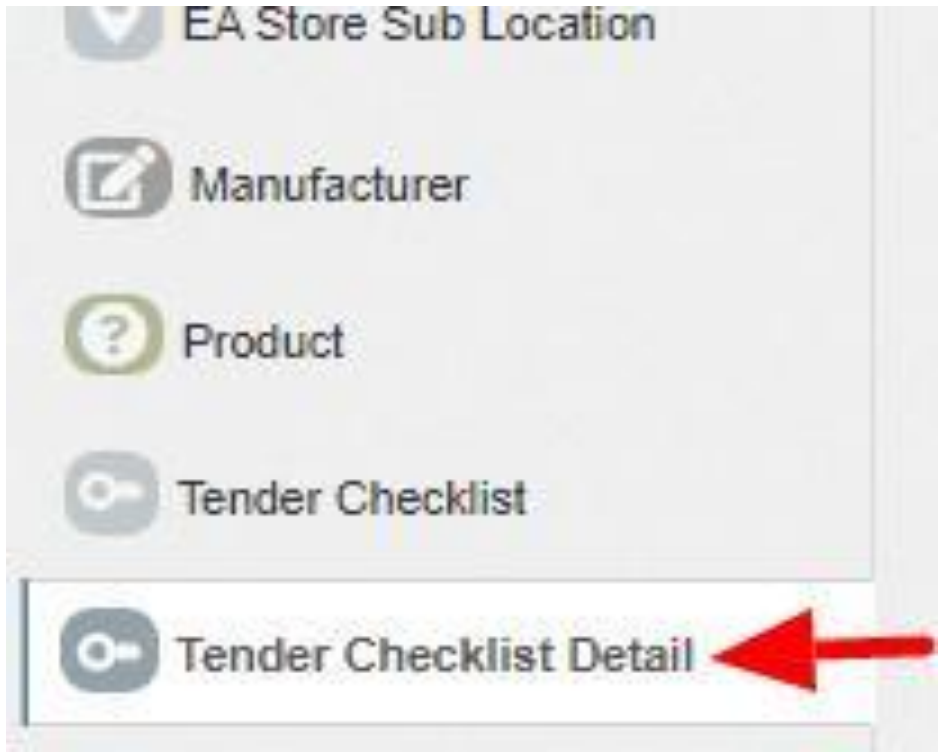


FIGURE 69 TENDER CHECKLIST DETAIL TAB

- 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.

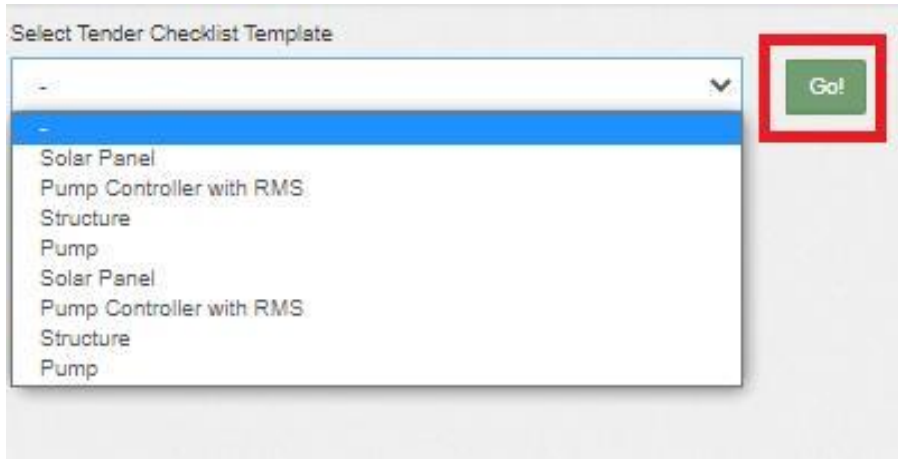


FIGURE 70 SELECT TENDER CHECKLIST TEMPLATE

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

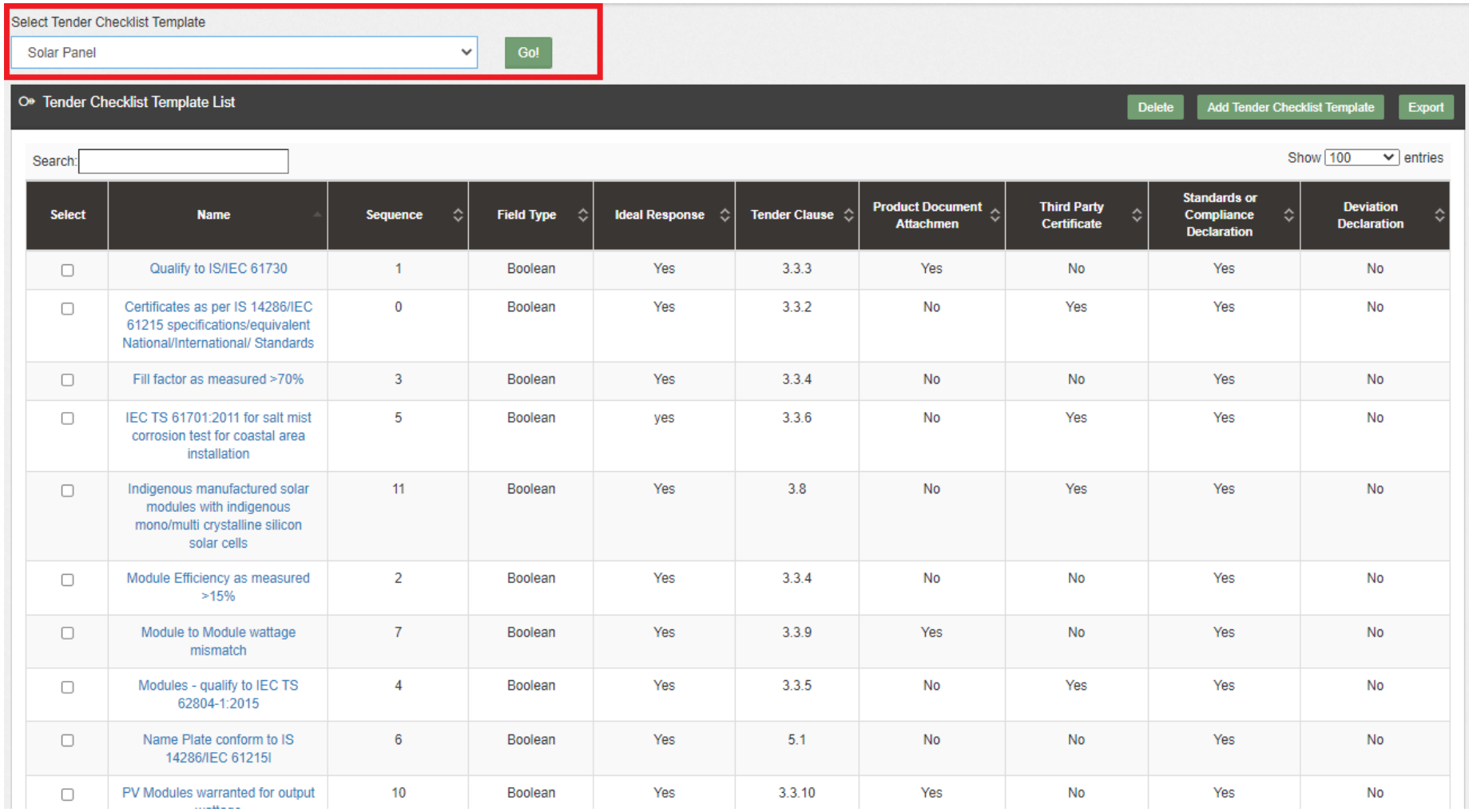


FIGURE 71 TENDER CHECKLIST TEMPLATE DASHBOARD

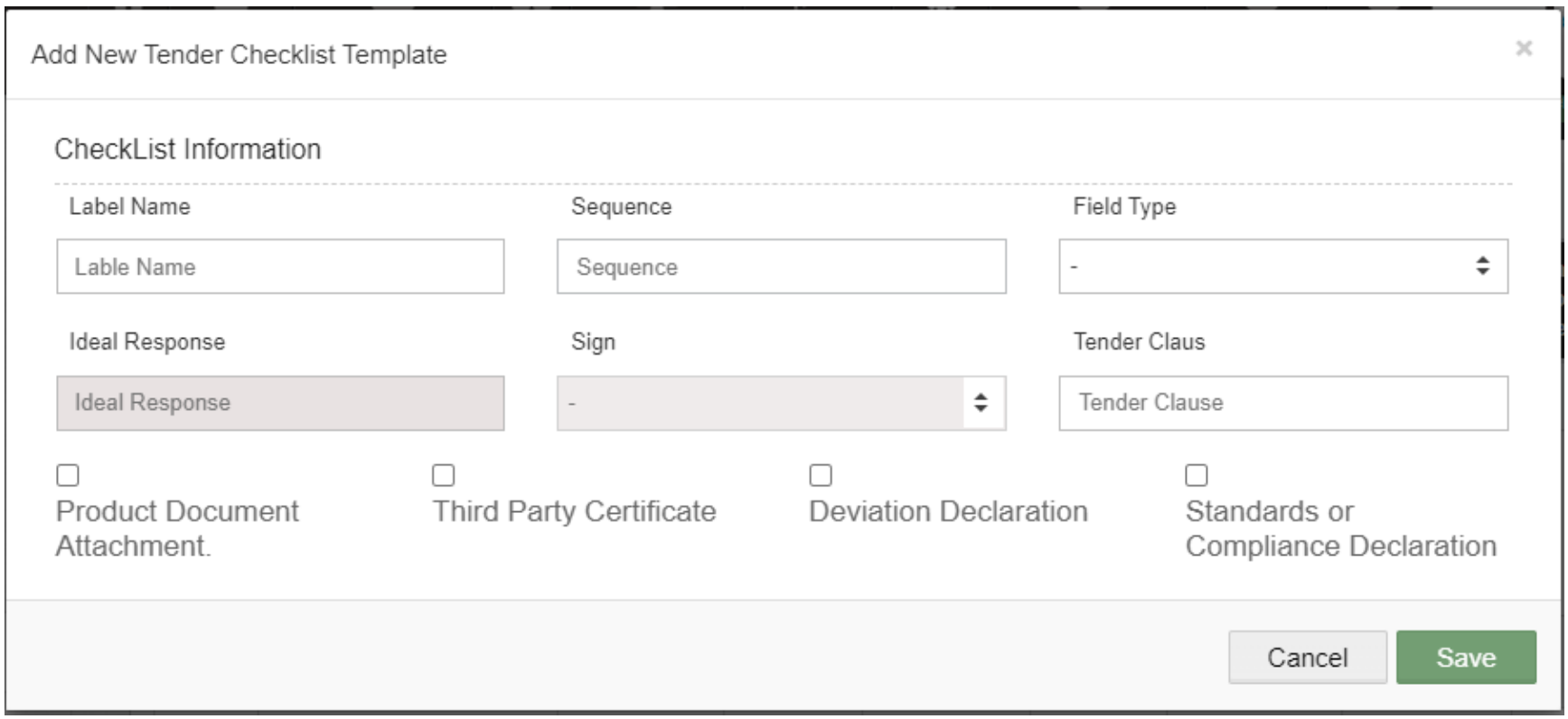
Table 31 TENDER CHECKLIST TEMPLATE DASHBOARD EXPLANATION

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	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)



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

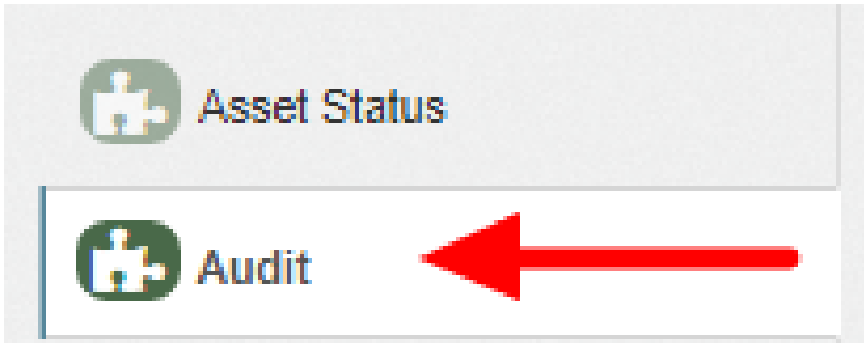


FIGURE 74 AUDIT TAB

- 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.

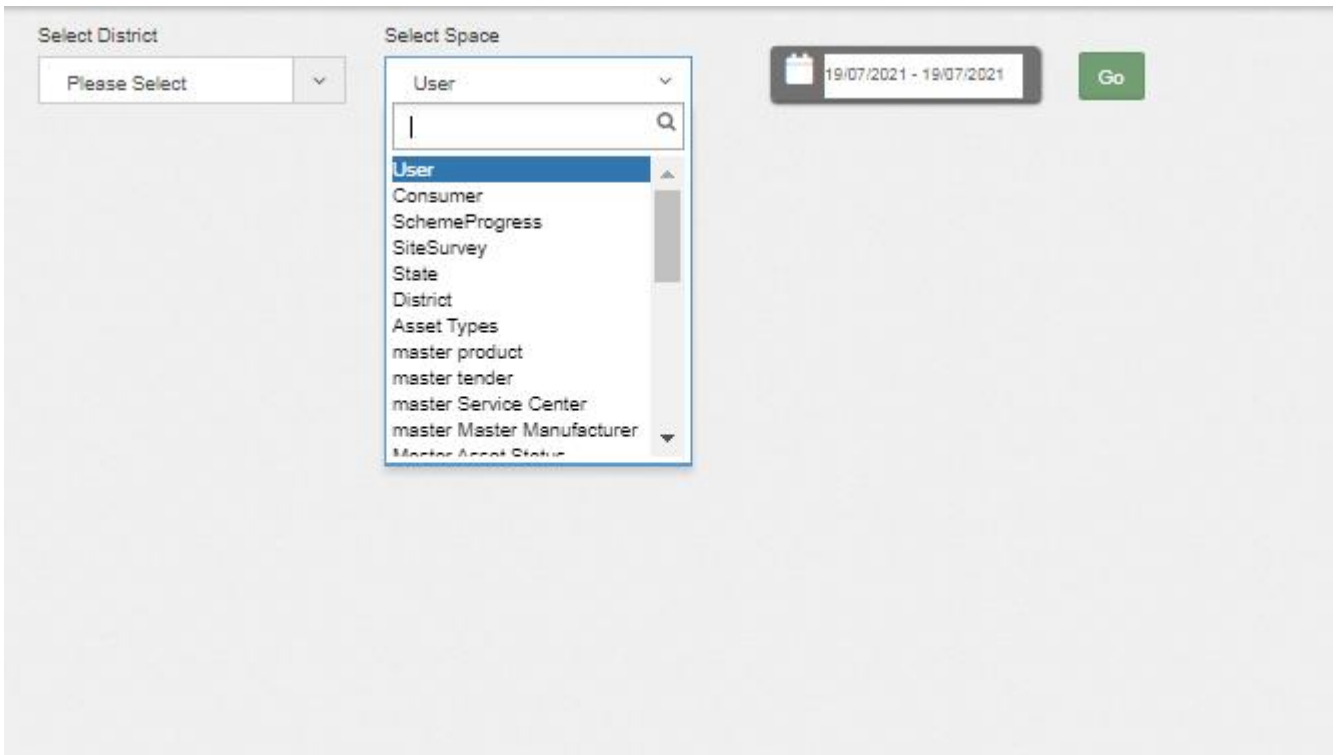
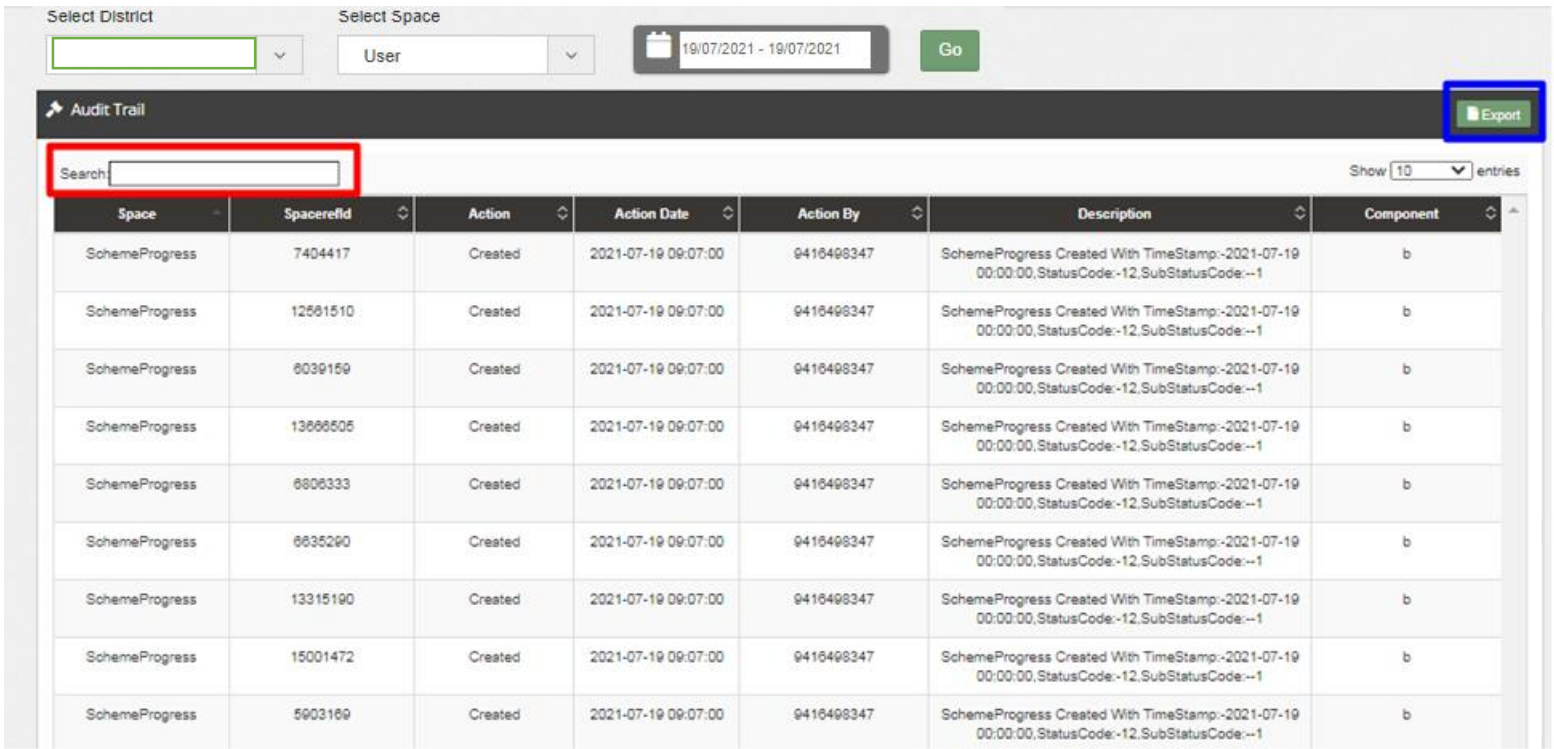


FIGURE 75 AUDIT TAB FILTERS

- 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.



Space	Spacerefid	Action	Action Date	Action By	Description	Component
SchemeProgress	7404417	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	12561510	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	6039159	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	13666505	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	6806333	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	6635290	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	13315190	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	15001472	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b
SchemeProgress	5903169	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00,StatusCode:-12,SubStatusCode:--1	b

FIGURE 76 AUDIT DASHBOARD (APPLIED FILTERS)

- As shown in above Figure 76, filtered dashboard by selecting District : Amritsar, Space : Scheme Progress and date range, one can find details like the person's registered username (shown as phone numbers in above Figure 76) who had made updates in scheme progress, the date on which updates was made, the action he made while updating Scheme Progress, etc.
- User can search for specific detail by entering input in "Search" box. (highlighted in red in Figure 76)
- User can download a csv file (refer Figure 77) of filtered Audit details by clicking on export button. (highlighted in blue in Figure 76)

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

FIGURE 77 AUDIT DETAILS – CSV FILE

12. APPLICATION WORKFLOW STAGES

- List of Responsible Users Of TN SEDM Portal who will be responsible for the below mentioned Workflow Stages :
  - Sub Division Officer (SDN)
  - Head Officer (HO)
  - Empanelled Agency (EA)

Table 33 FARMER APPLICATION WORKFLOW STAGES

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

13. CONSUMER/FARMER APPLICATION REGISTRATION

- The Consumer/Farmer Management module of SEDM is focused towards Consumer/Farmer registration, setting up of Consumer/Farmer profile and to provide the application updates, all at one place
- Below are the authorized users for Application registration :
  - State Implementing Agency (SIA)
    - Sub Division Officer (SDN)
    - Head Officer (HO)
  - Empanelled Agency (EA).

➢ Navigation Steps for Consumer/Farmer application Registration :-

1. Sign in on the State SEDM Portal
2. Click on the “Details” on Consumer Module as shown in below Figure 78 Click on the “Add Farmer” button
3.

FIGURE 78 DETAILS

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

FIGURE 79 SELECT DISTRICT

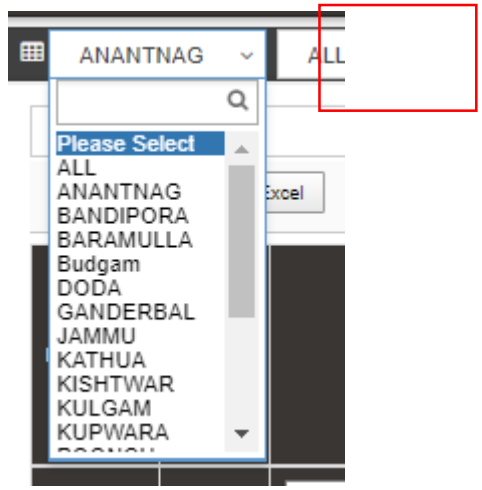


FIGURE 80 DISTRICT LIST

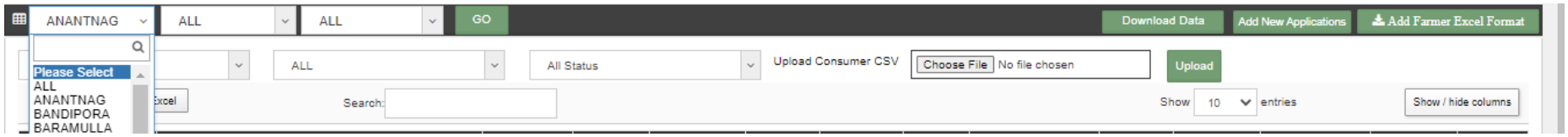


FIGURE 81 ADD FARMER BUTTON

- Click on the “Add New Application” button as highlighted in red in the above Figure 81.

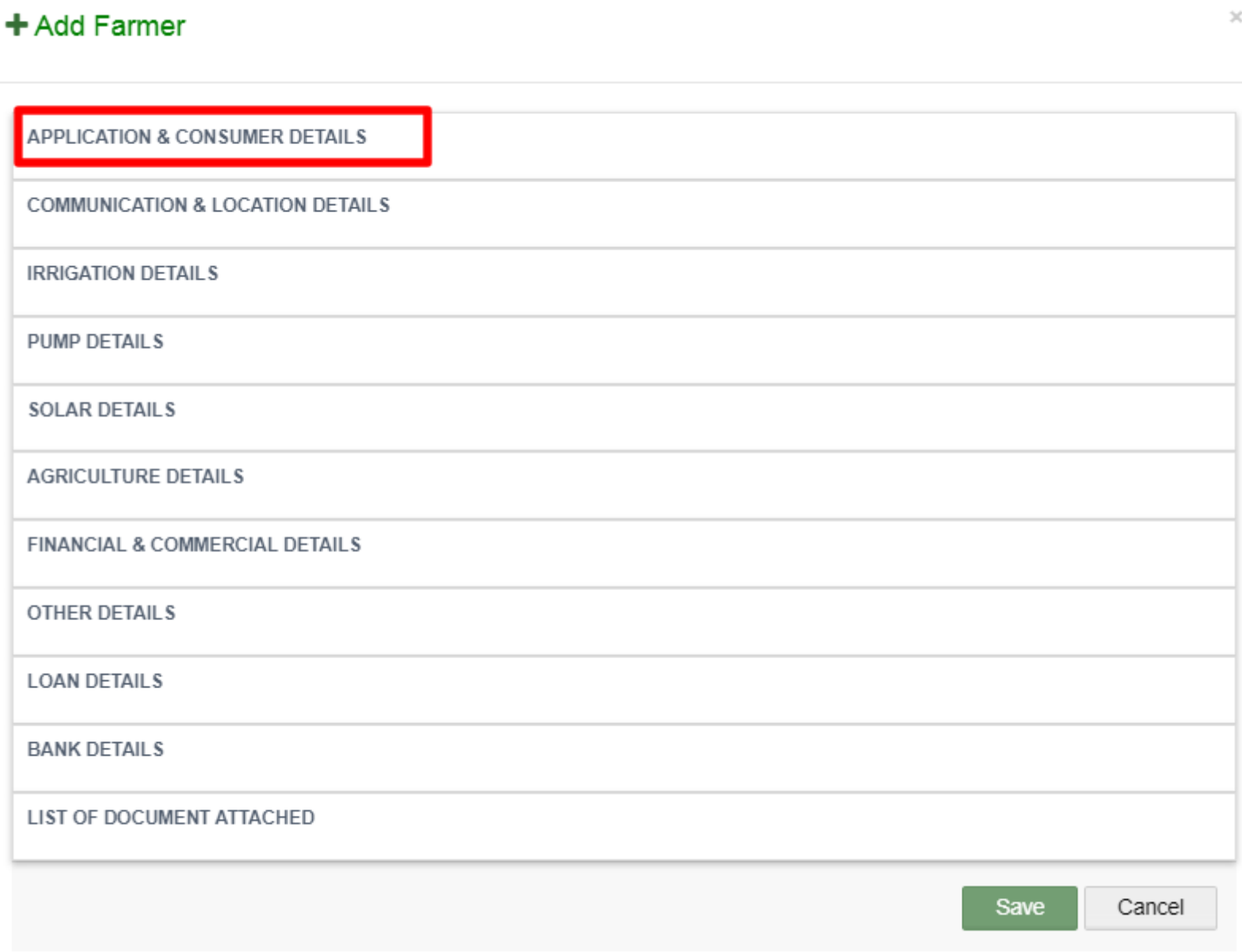


FIGURE 82 ADD FARMER FORM

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

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

➢ **Application & Consumer Details**

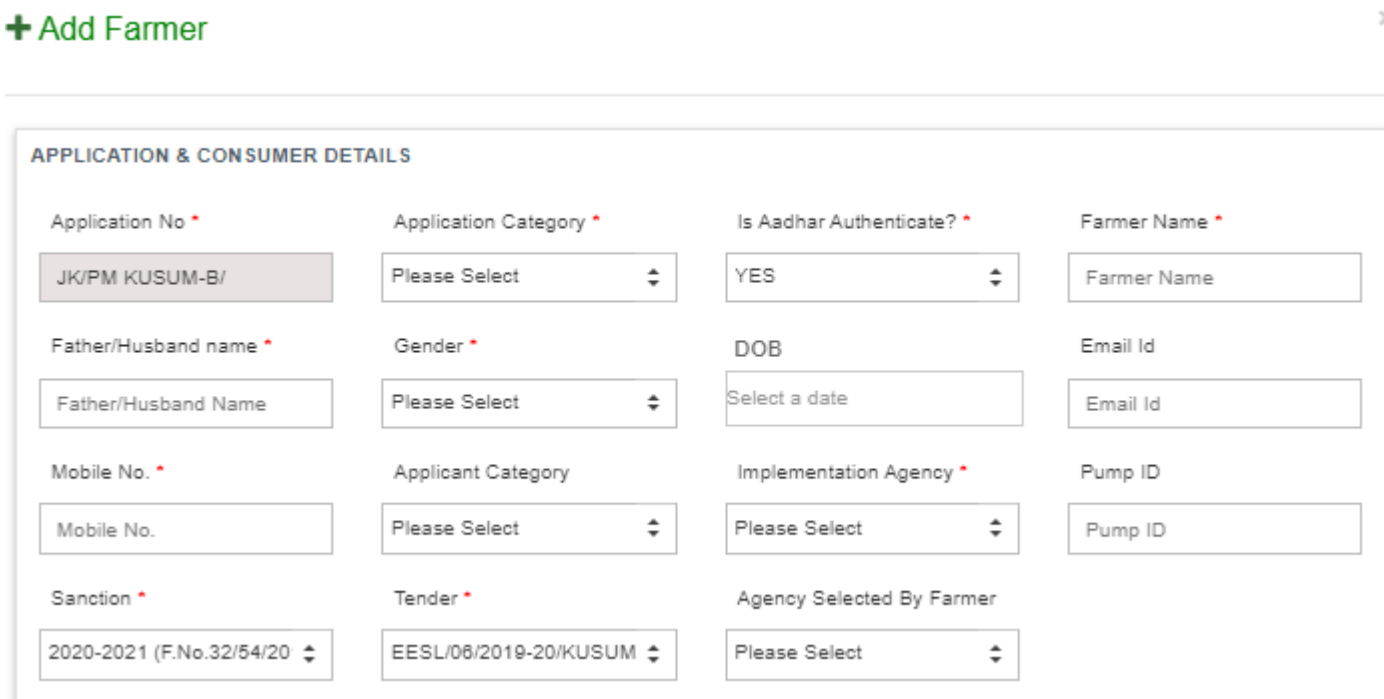


FIGURE 83 APPLICATION & CONSUMER DETAILS

Table 34 APPLICATION AND CONSUMER DETAILS

Field	Input	Drop Down Options	Mandatory Field	Sample Values	Description
Application No.	Auto-Generated	-	✓	JK/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	-	-	JAKEDA	Specific Implementing Agency for the state
Consumer/Farmer No.	Numerical	-	-	1273	Any number which is enter by farmer.

- **Communication & Location Details**

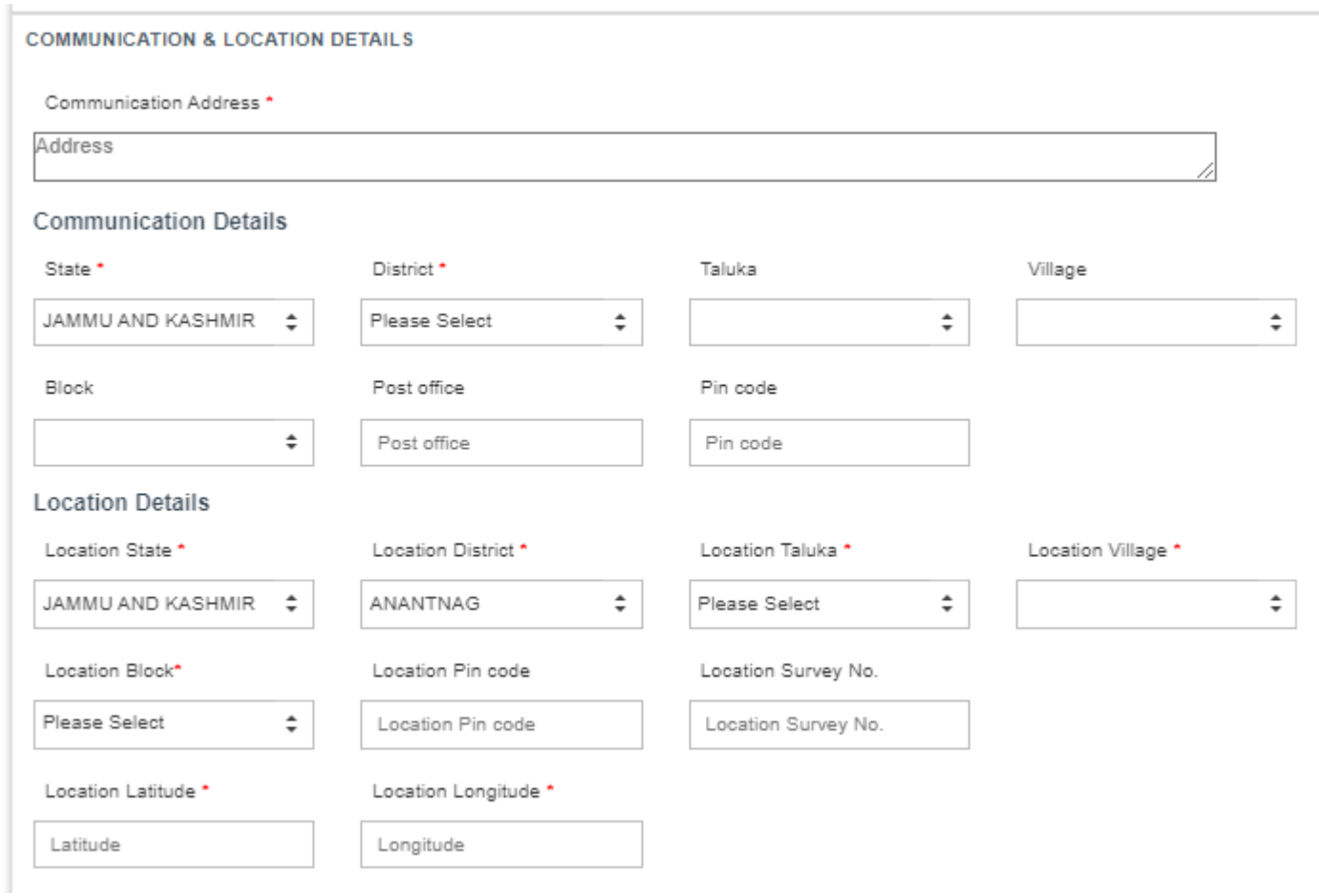


FIGURE 84 COMMUNICATION & LOCATION DETAILS

Table 35 COMMUNICATION AND LOCATION DETAILS

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

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

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

➢ **Irrigation Details**

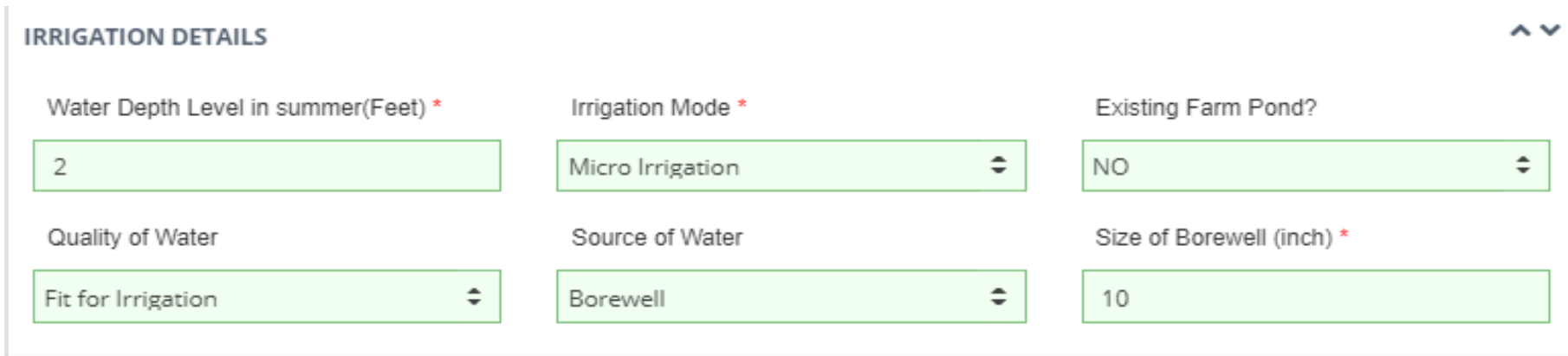


FIGURE 85 IRRIGATION DETAILS

Table 36 IRRIGATION DETAILS

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

- **Pump Details**

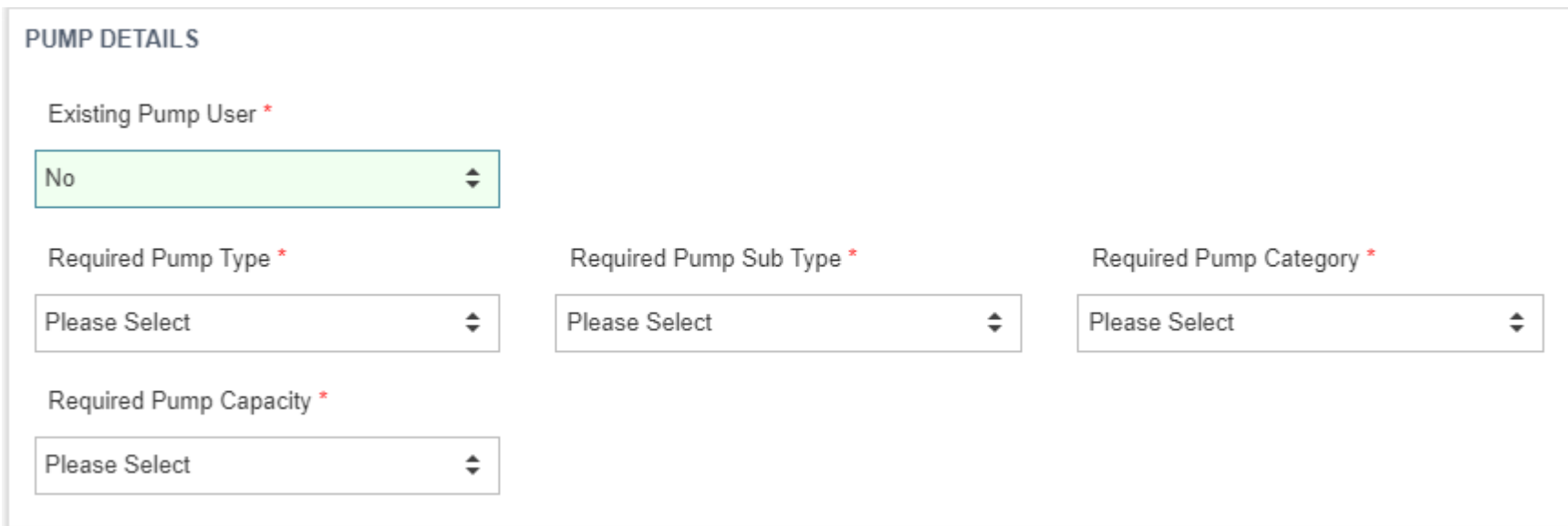


FIGURE 86 PUMP DETAILS

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 PumpsubType, Existing Pump Capacity, Power Source of Existing Pump and whether current pump is energy efficient or not.

➢ **Solar Details**

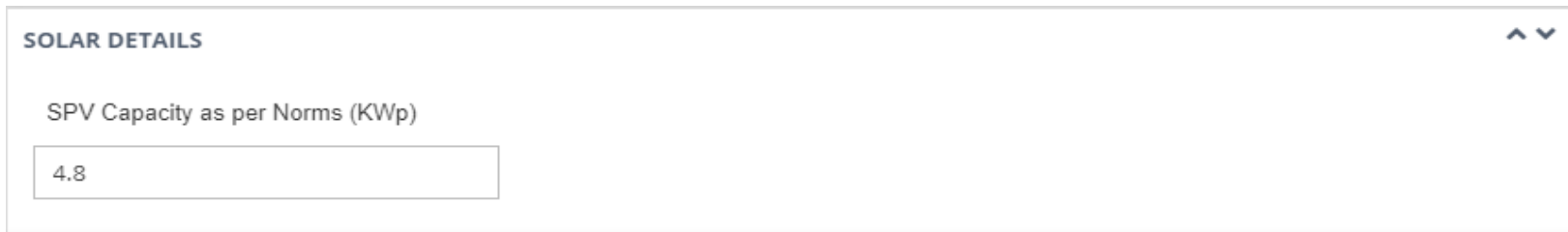


FIGURE 87 SOLAR DETAILS

Table 38 SOLAR DETAILS

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

- **Agriculture Details**

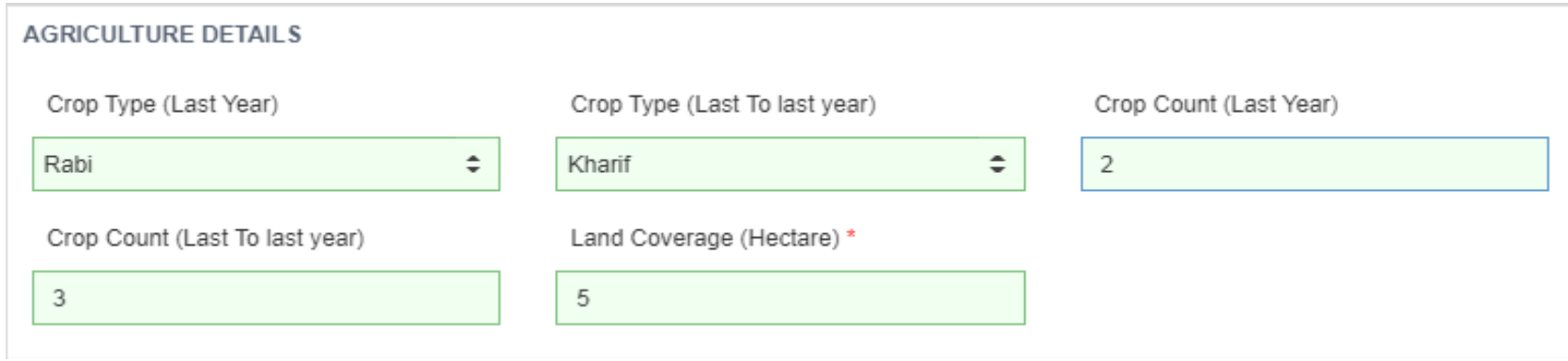


FIGURE 88 AGRICULTURE DETAILS

Table 39 AGRICULTURE INFORMATION

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

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

- **Financial & Commercial Details**

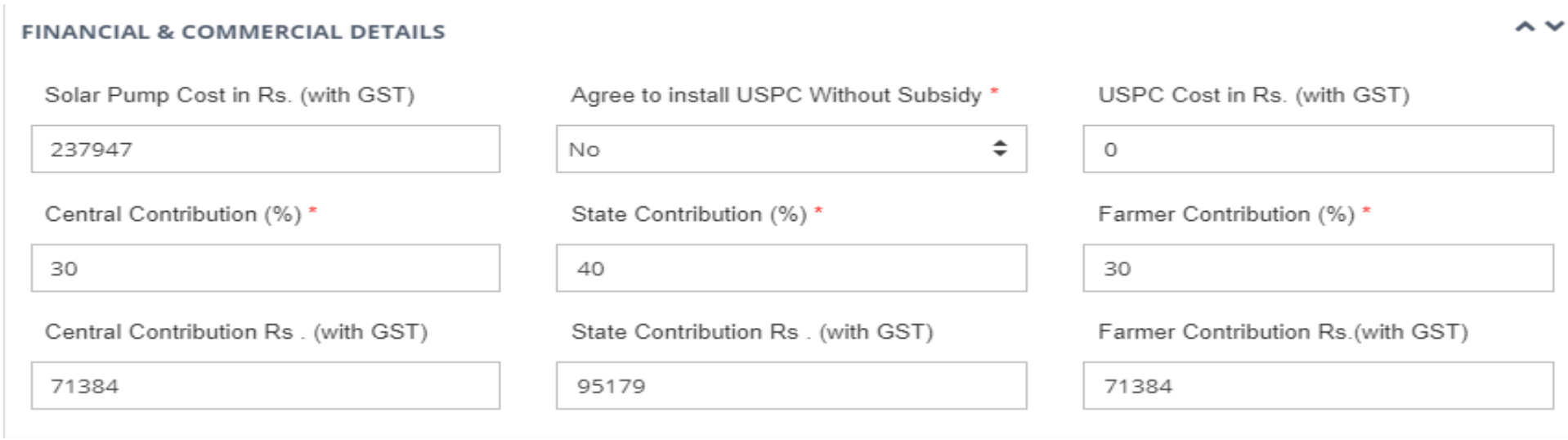


FIGURE 89 FINANCIAL & COMMERCIAL DETAILS

Table 40 FINANCIAL AND COMMERCIAL DETAILS

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

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

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

➢ Other Details

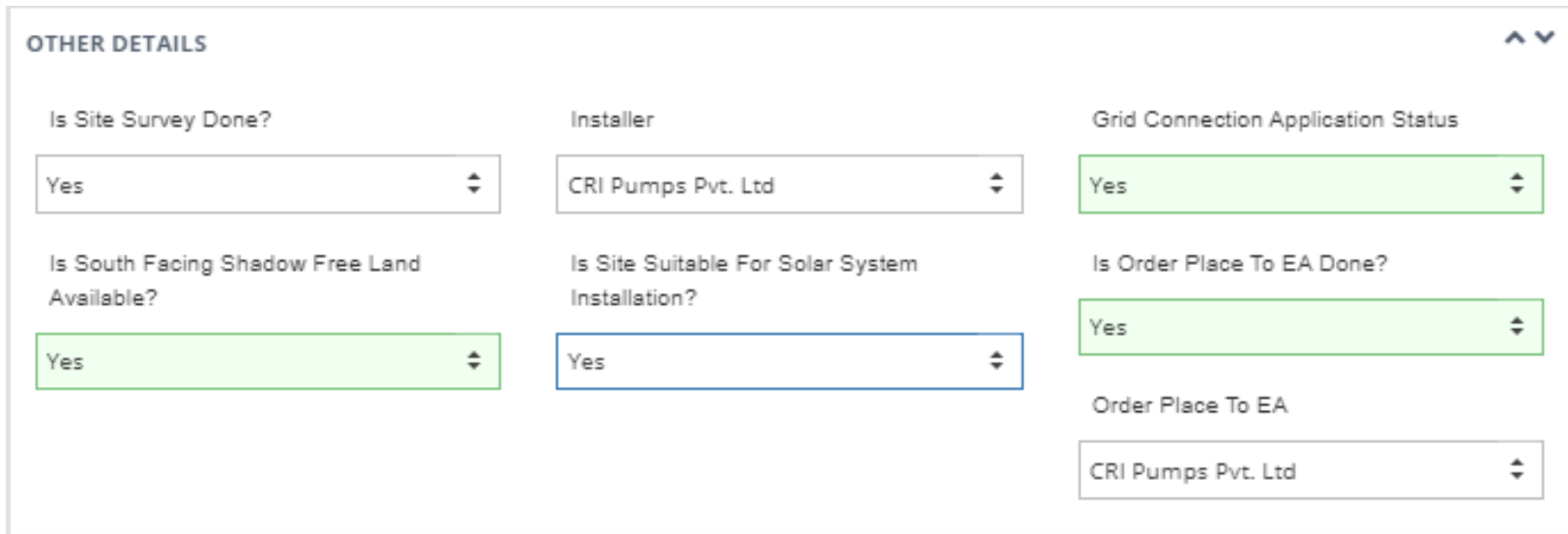


FIGURE 90 OTHER DETAILS

Table 41 OTHER DETAILS

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

		- Gautam Solar Pvt. Ltd. - CRI Pumps Pvt. Ltd. - Shakti Pumps Ltd. - Solex Energy Ltd. - Junna Solar System Pvt. Ltd.			that Installer who had done Site Survey
Grid Connection Application Status	Drop Down	- 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**

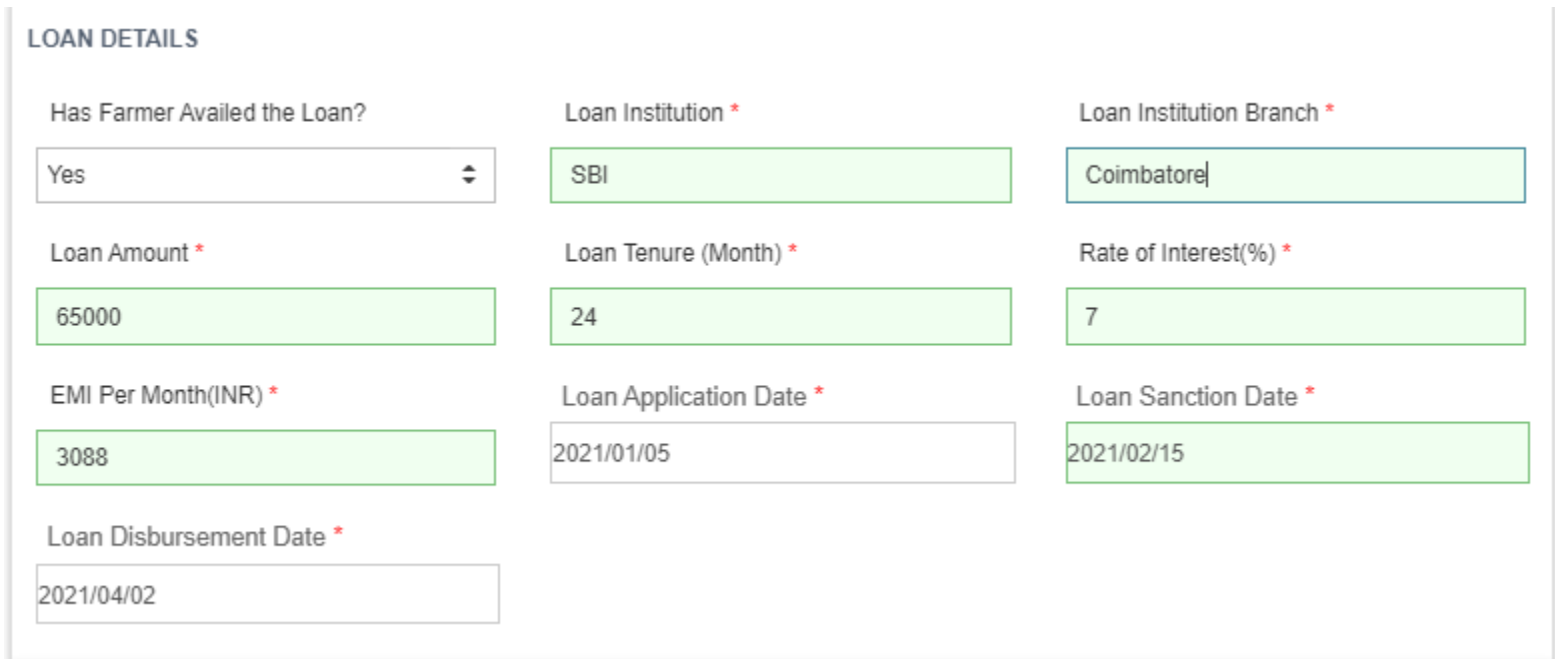


FIGURE 91 LOAN DETAILS

TABLE 42 LOAN DETAILS

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

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

- **Bank Details**

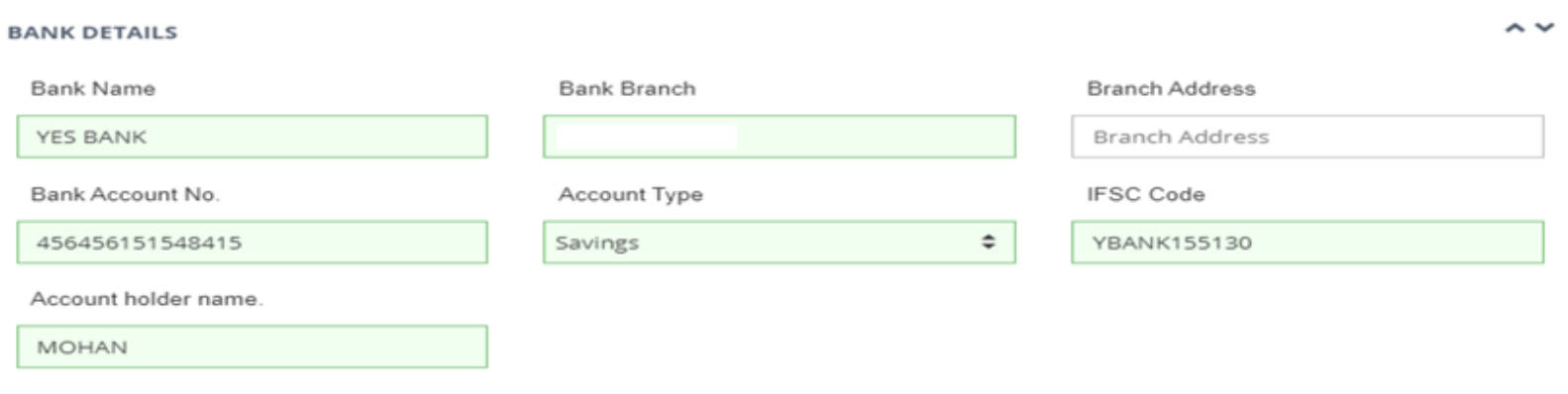


FIGURE 92 BANK DETAILS

Table 43 BANK DETAILS

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

- **List of Document Attached**

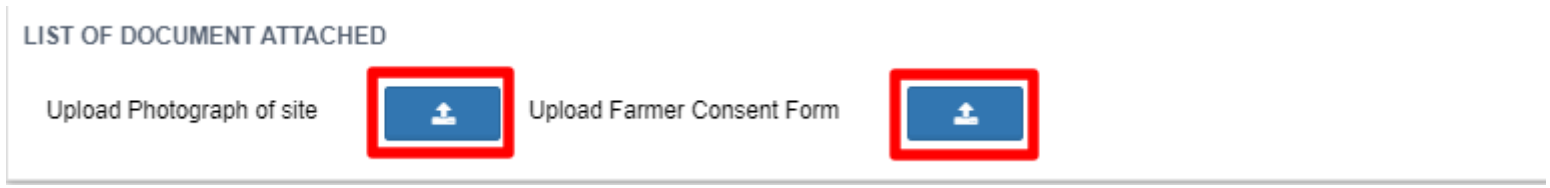


FIGURE 93 LIST OF DOCUMENT ATTACHED

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

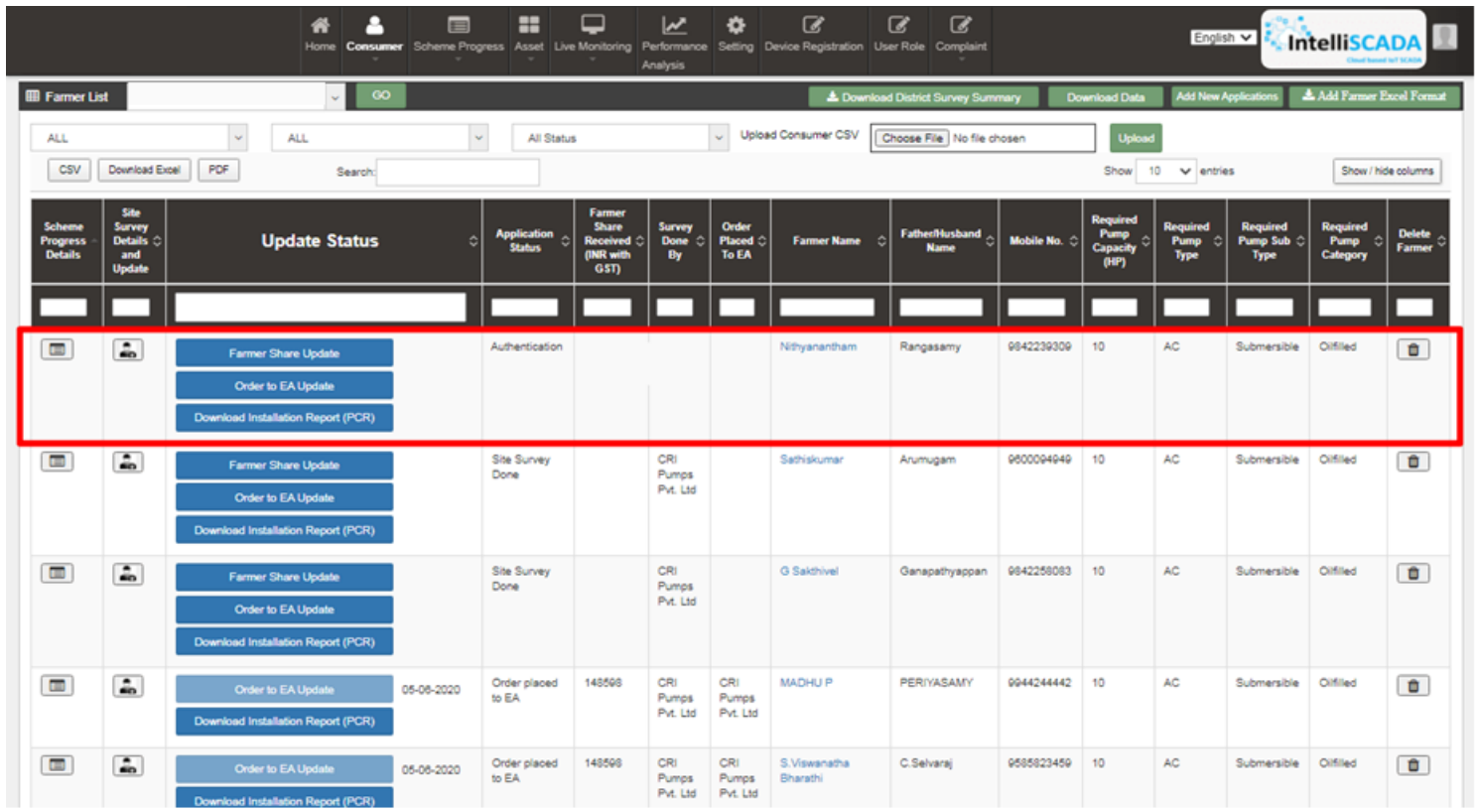


FIGURE 94 DETAIL DASHBOARD

- After application registration, new application will be entered in the consumer/farmer details dashboard as fresh entry (as highlighted in red above Figure 94) whose application scheme progress is yet to commence.
- Details dashboard consists following data columns :

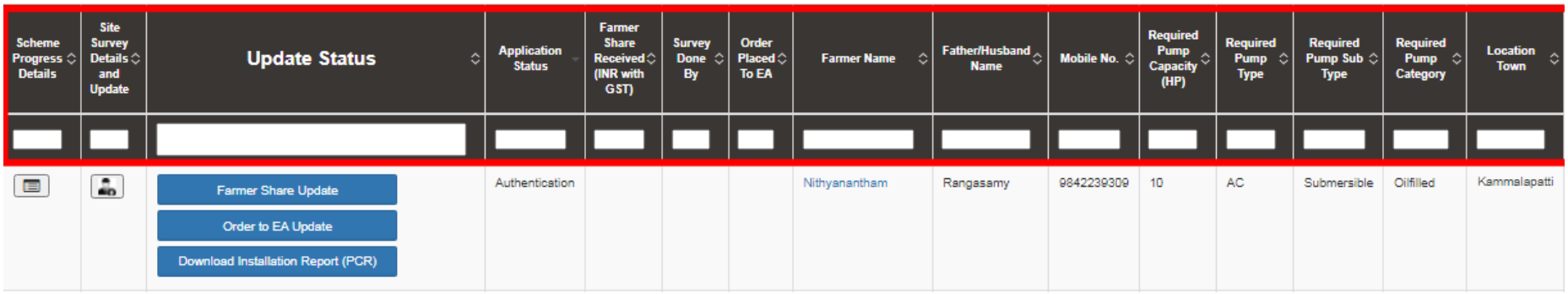


FIGURE 95 CONSUMER DETAIL DATA COLUMNS (I)

TABLE 44 DATA COLUMN DESCRIPTION

Column Name	Data	Description
Scheme Progress Details	-	Scheme Progress Report
Site Survey Details & Update	-	Site Survey Details Report
Update Status	-	Status Buttons
Application Status	Authentication	Current Application Status
Farmer Share Received (INR with GST)	<Farmer Contribution in RS.>	Farmer 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	VIJAYPUR	Town of the farm site
Location Taluka	Samba	Taluka of the farm site
Location Revenue Division	Samba	Revenue Division of the farm site
Gender	Male	Gender of the consumer/farmer
Application Category	Others	Application category of the consumer/farmer
Applicant Category	ST	Applicant Category of the consumer/farmer

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

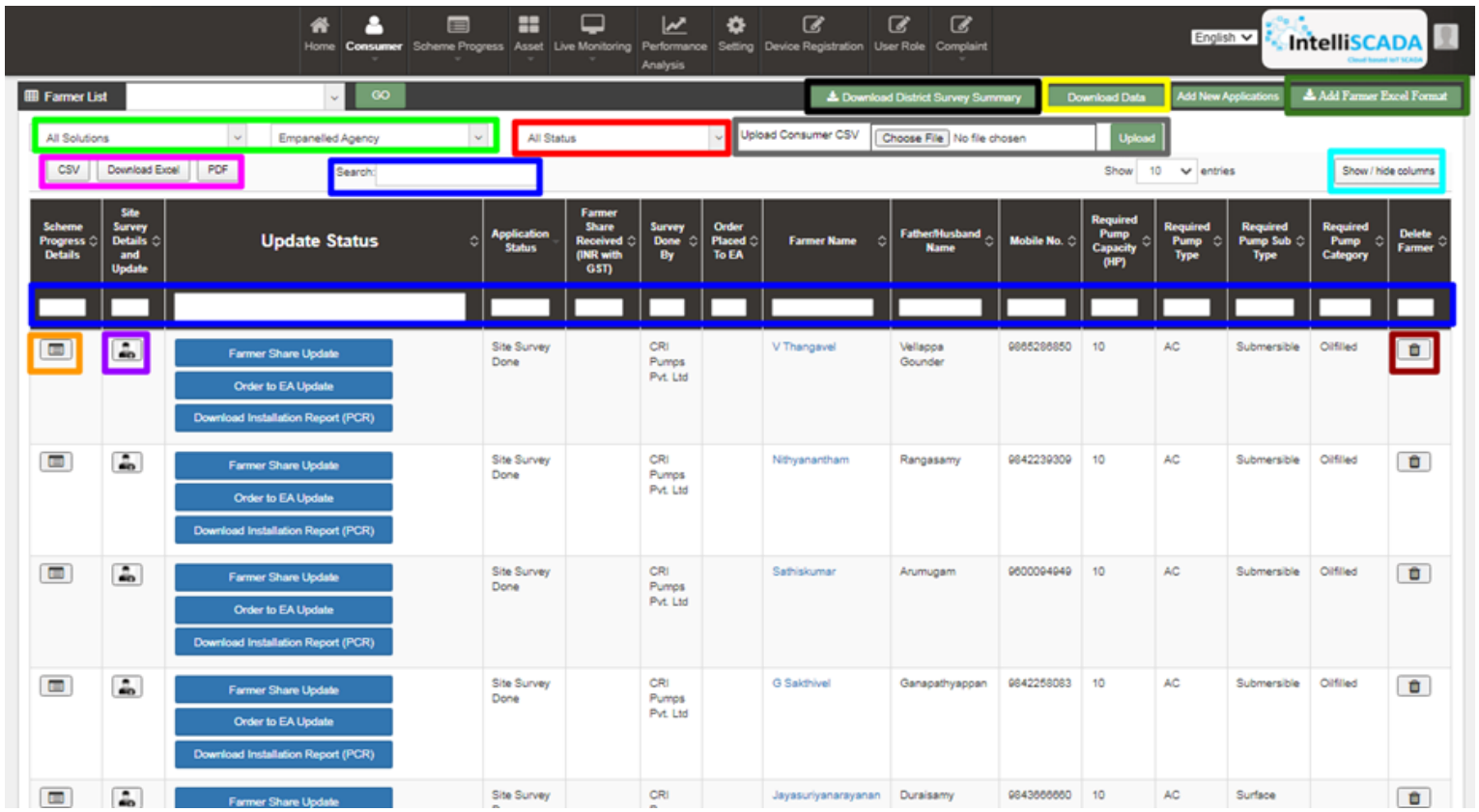


FIGURE 96 CONSUMER/FARMER DETAIL DASHBOARD

- The blue buttons in third column of Consumer Details dashboard will be used further to update the application status “Farmer Share Received” (click **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 96. User can search for a specific query to check for the consumer/farmer information on the Consumer Details dashboard by inputting their search parameter in ‘Search’ dialogue box.
- By clicking upon the delete icon (highlighted in brown in above Figure 96) below screen will appear (), will delete all the updated status of the consumer/farmer application and take back the application to the very first application stage i.e. “Application Received”.

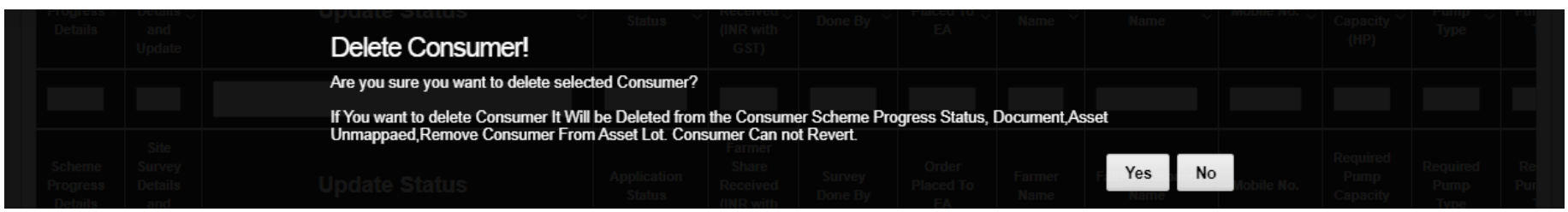


FIGURE 97 CONFIRMATION SCREEN TO DELETE ALL UPDATED CONSUMER/FARMER APPLICATION STATUS

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

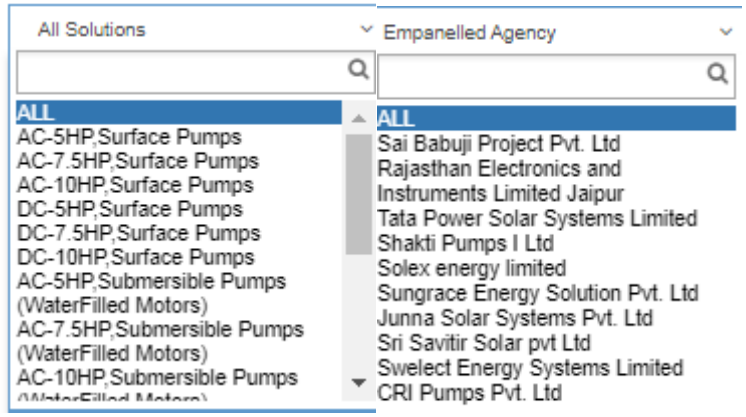


FIGURE 98 FILTER 1 SOLUTION & EMPANELLED AGENCY

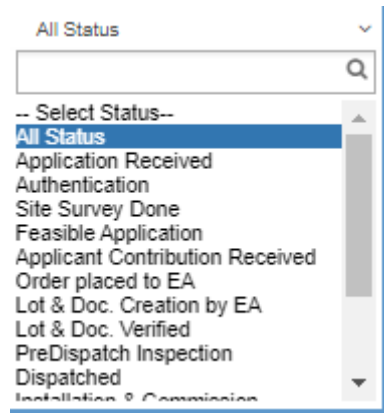


FIGURE 99 FILTER 2 EMPANELLED AGENCY

- User can download consumer survey summary details CSV file (refer **Error! Reference source not found.**) by clicking "Download District Survey Summary" button. (highlighted in black in Figure 96)

- The users can also access the data and information provided under Consumer/Farmer Management offline by downloading the data in Excel format by clicking on the 'Download Data' option on top right corner of the .dashboard (highlighted in yellow in Figure 96)
- Upon clicking the 'Download Data' option, a screen appears where user must enter the filter parameters of District, Pump Capacity, Application Status and the dates for which they want to view the data as shown in the below Figure 100.

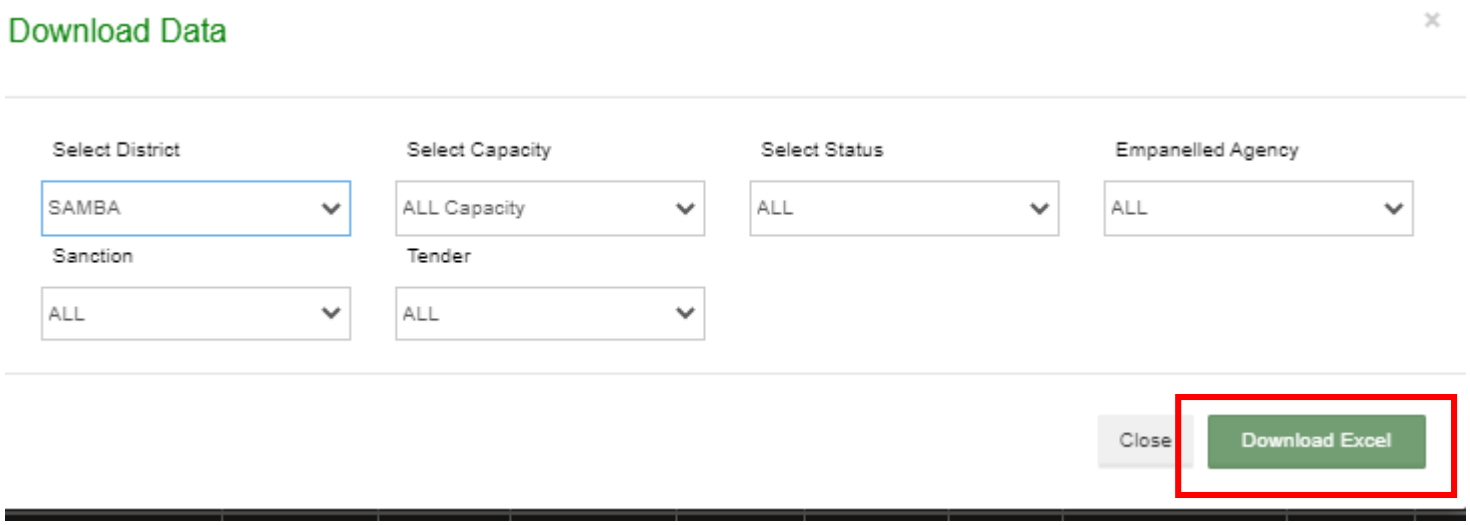
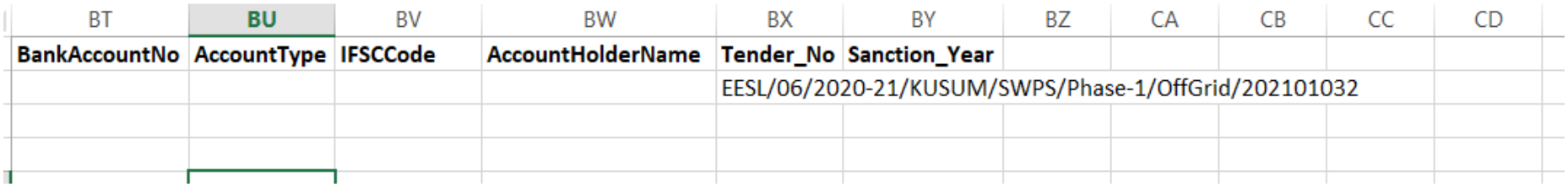


FIGURE 100 DOWNLOAD DATA FILTERS SCREEN

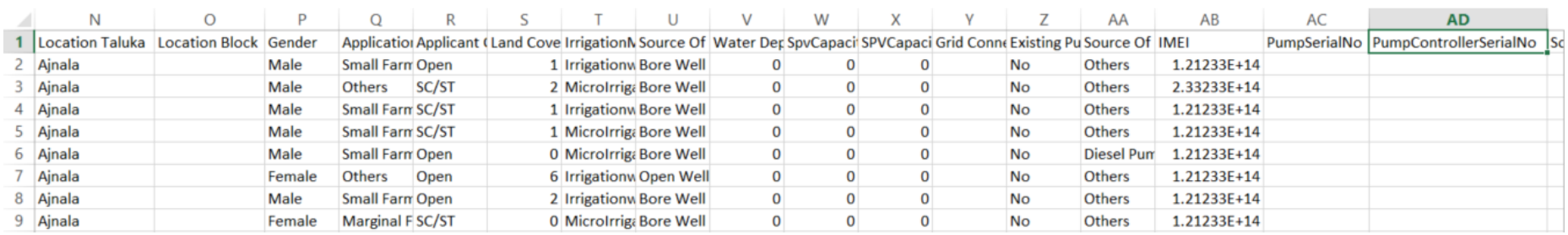
- User also can download Consumer/Farmer Details in either of three formats i.e. CSV/EXCEL/PDF by clicking either of three buttons i.e. “CSV”, “Download Excel” & “PDF”. (buttons highlighted in pink in Figure 96)

➢ CSV file output - as shown in Figure 101 & Figure 102



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

FIGURE 101 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	Applicatio	Applicant (	Land Cove	IrrigationN	Source Of	Water Dep	SpvCapaci	SPVCapaci	Grid Conne	Existing Pu	Source Of	IMEI	PumpSerialNo	PumpControllerSerialNo
2	Ajnala		Male	Small Farn	Open	1	Irrigationw	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 Farn	SC/ST	1	Irrigationw	Bore Well	0	0	0		No	Others	1.21233E+14		
5	Ajnala		Male	Small Farn	SC/ST	1	MicroIrrig	Bore Well	0	0	0		No	Others	1.21233E+14		
6	Ajnala		Male	Small Farn	Open	0	MicroIrrig	Bore Well	0	0	0		No	Diesel Pun	1.21233E+14		
7	Ajnala		Female	Others	Open	6	Irrigationw	Open Well	0	0	0		No	Others	1.21233E+14		
8	Ajnala		Male	Small Farn	Open	2	Irrigationw	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 102 DETAILS DASHBOARD CSV FILE (II)

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

	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

Sheet1

FIGURE 103 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**	**Loc**
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	Allahyddin 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	Nagamoopan	7639792667	5	AC	Submersible	WaterFilled		Ajn
29	Varadaraj	sundaragovundar	9843545265	10	AC	Submersible	Oilfilled		Ajn
30	Priya	Sivanupandiyan	9943166229	10	DC	Submersible	Oilfilled		Ajn

Sheet1

FIGURE 104 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	

Sheet1

FIGURE 105 DETAILS DASHBOARD EXCEL FILE (III)

- PDF file output - as shown in Figure 106

Update Status	Application Status	Farmer Share Received (INR with GST)	Survey Done By	Order Placed To EA	Farmer Name	Father/Husband Name	Mobile No.	Required Pump Capacity (HP)	Required Pump Type	Required Pump Sub Type	Required Pump Category	Location Town
Order to EA Update Download Installation Report (PCR)	Applicant Contribution Received	71384	Sri Savitir Solar pvt 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 106 DETAILS DASHBOARD PDF

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

FIGURE 107 SHOW / HIDE COLUMNS FILTER

- In Figure 96, by clicking onto the orange highlighted icon first column of Consumer Details dashboard, the user can view the chronological data for scheme progress details of any individual farmer. (as shown in below Figure 108)

Scheme Progress Of: Nithyanananthan

Application No: /PMKUSUSM-B/453

Mobile No: 9464024594

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

FIGURE 108 SCHEME PROGRESS REPORT FOR CONSUMER/FARMER

- Similarly, by clicking on the icon (highlighted in purple in Figure 96) in the second column, the user can view the site survey details of the consumer/farmer as well as take action against individual farmer's application and also can upload Site Photographs and Farmer Consent Form.

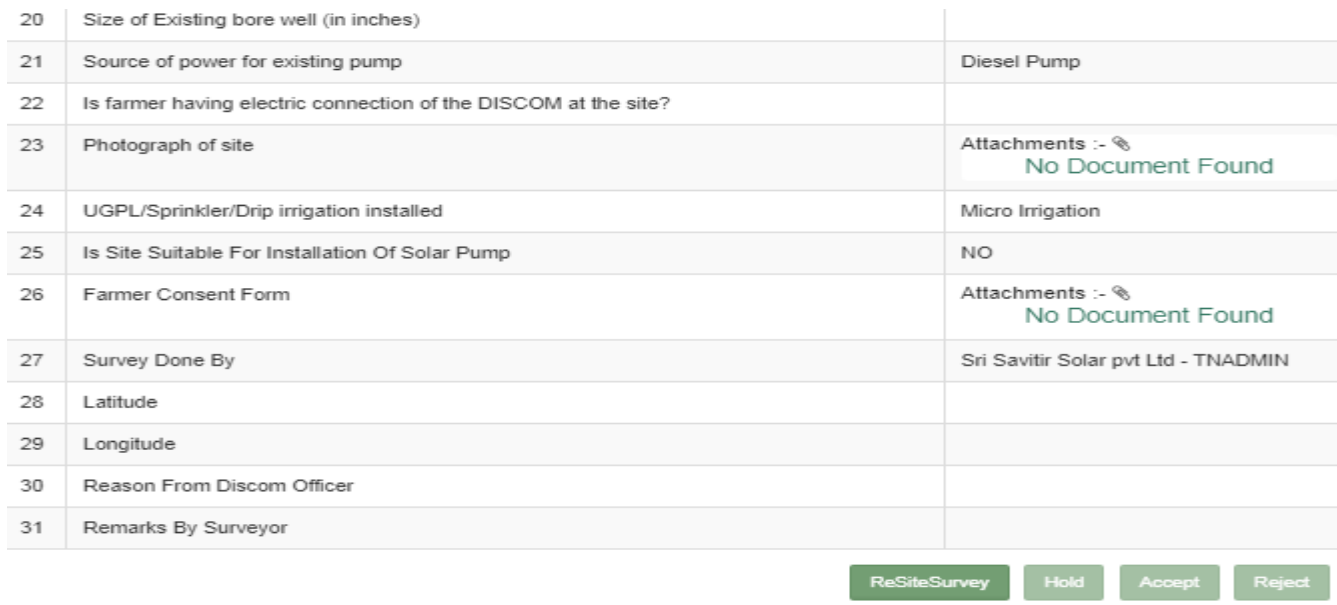


FIGURE 109 SITE SURVEY DETAIL OF CONSUMER/FARMER

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

14. FEASIBLE APPLICATION

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

➢ Navigation Steps to change application status “Feasible Application” :-

1. Sign in on the State SEDM Portal
2. Click on the “Details” on Consumer Module as shown in below Figure 110

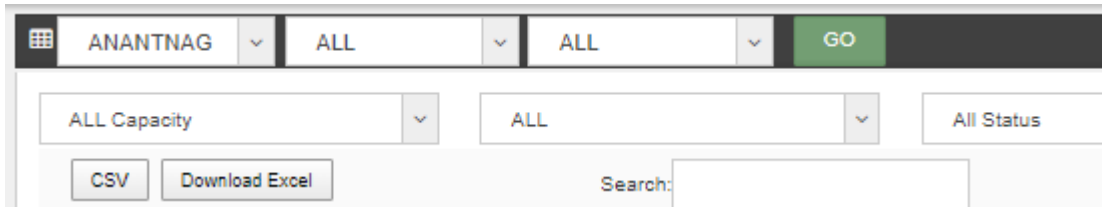


FIGURE 110 DETAILS

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

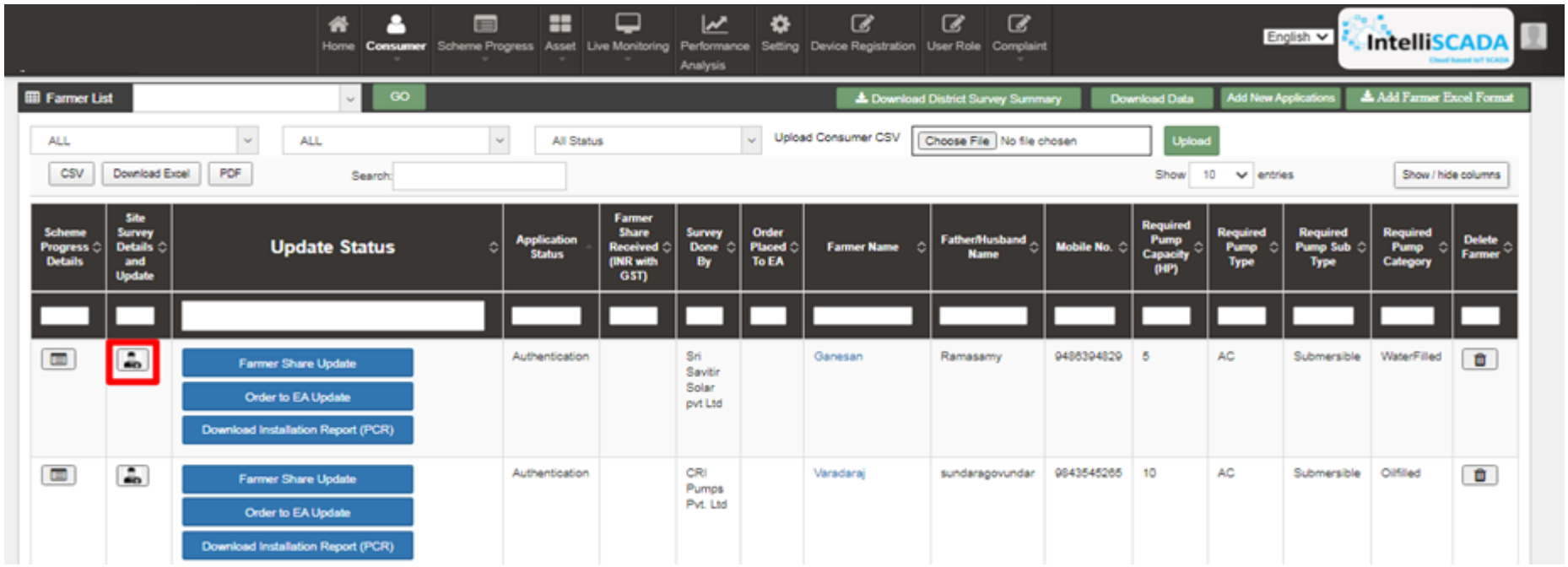
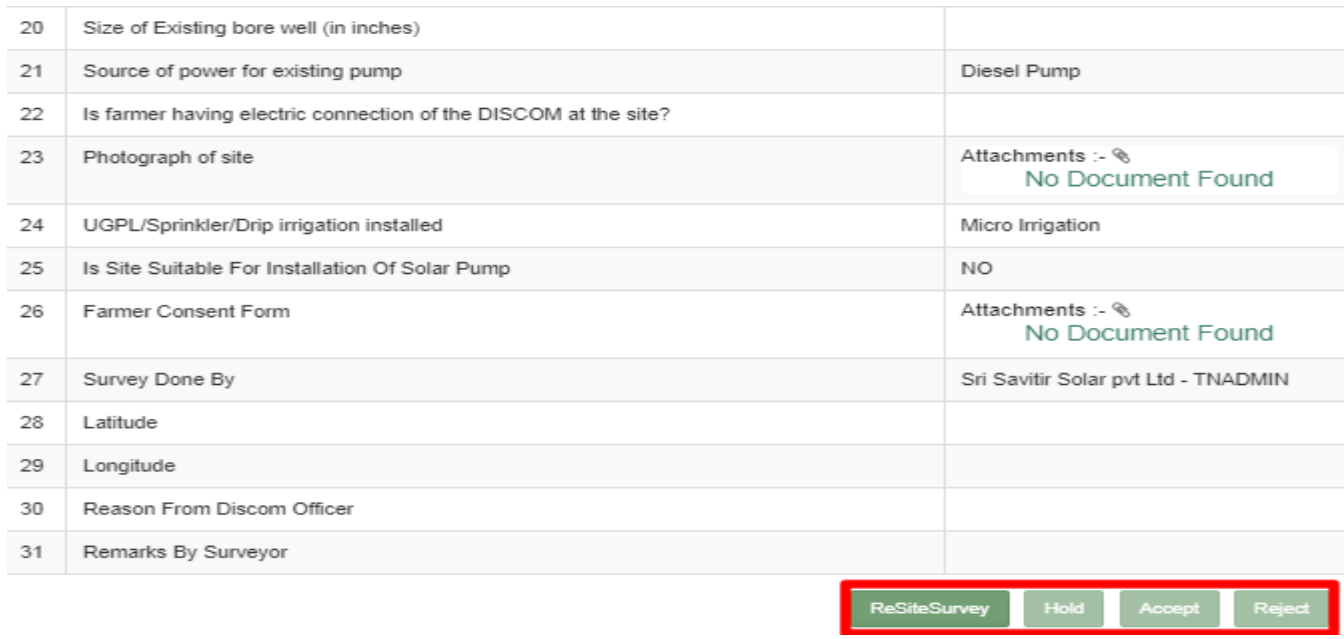


FIGURE 111 DETAILS DASHBOARD

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



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

FIGURE 112 SITE SURVEY DETAILS

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

FIGURE 113 APPLICATION ACCEPT BUTTON

FIGURE 114 APPLICATION HOLD-REJECT BUTTON

- To put application on hold or to reject the application, user has to click on the “Hold” or “Reject” button (pointed in red in above Figure 114) and have to give the reason for the same.

FIGURE 115 REASON FOR APPLICATION HOLD/REJECT

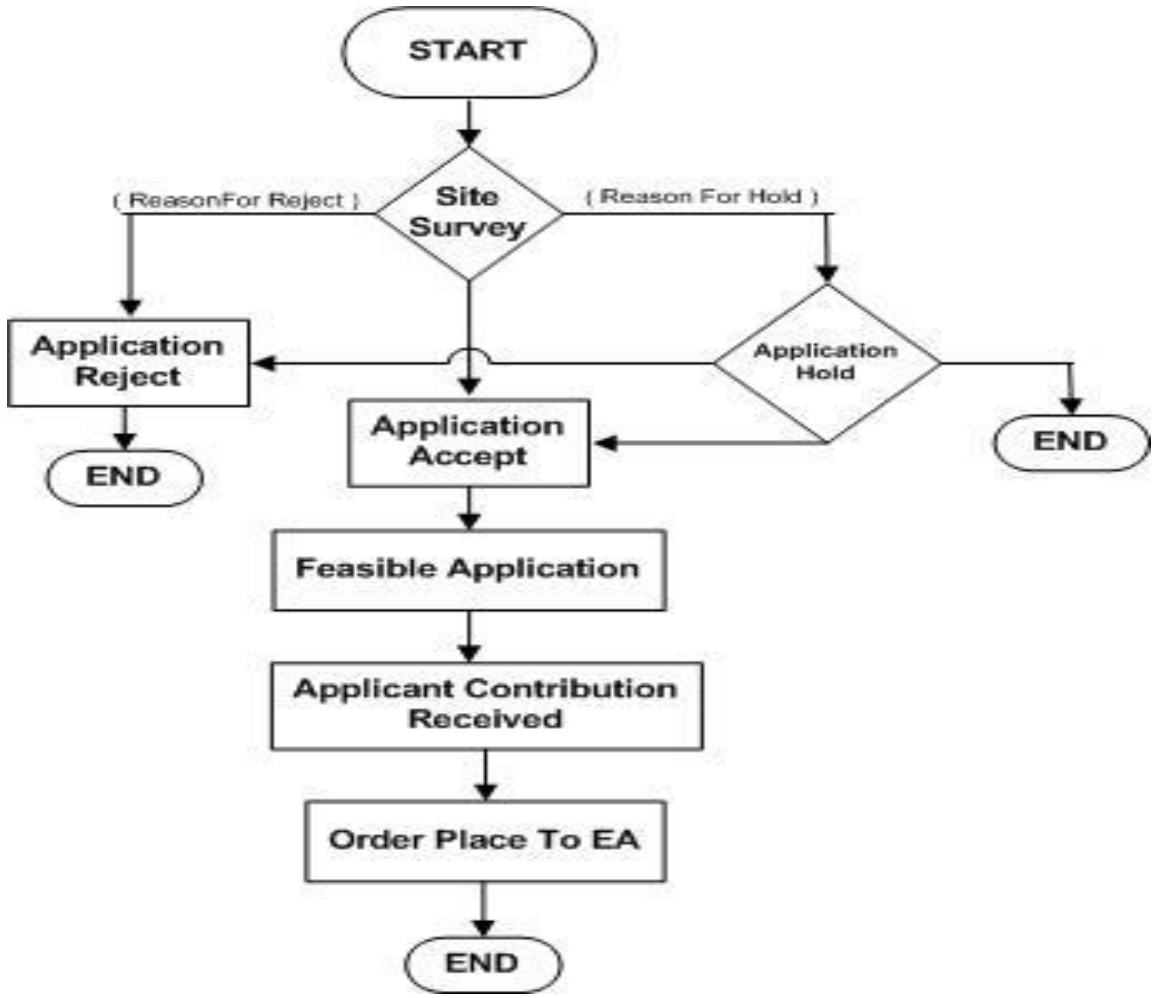


FIGURE 116 FARMER APPLICATION FLOW CHART

15. FARMER SHARE RECEIVED

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

➢ Navigation Steps to change application status Farmer Share Received :-

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

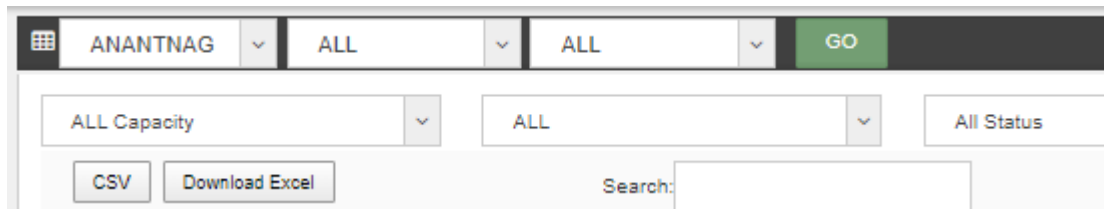


FIGURE 117 DETAILS

- 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 118)

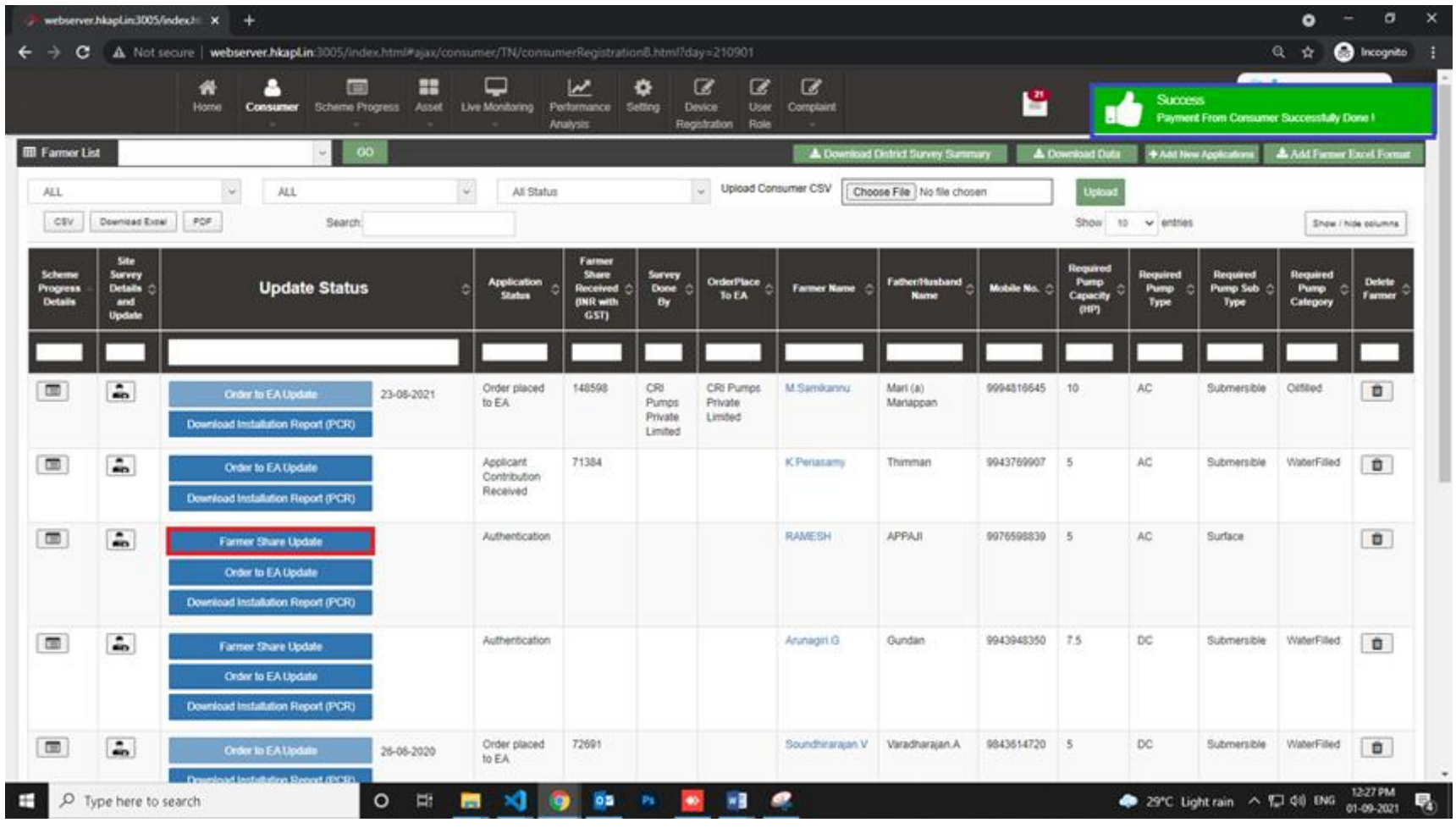


FIGURE 118 UPDATED FARMER SHARE RECEIVED

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

NOTE: To update status “Farmer Share Received” in **bulk** i.e. of multiple consumers/farmers at once, click **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)
    - Sub Division Officer (SDN)
    - Head Officer (HO)

➢ Navigation Steps to change application status Order Placed to EA :-

1. Sign in on the State SEDM Portal
2. Click on the “Details” on Consumer Module as shown in below Figure 119 Details

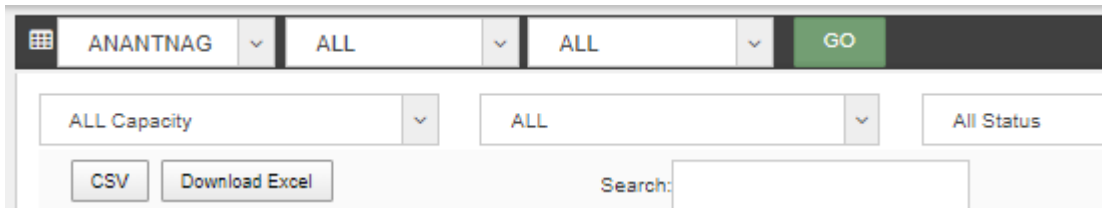


FIGURE 119 DETAILS

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

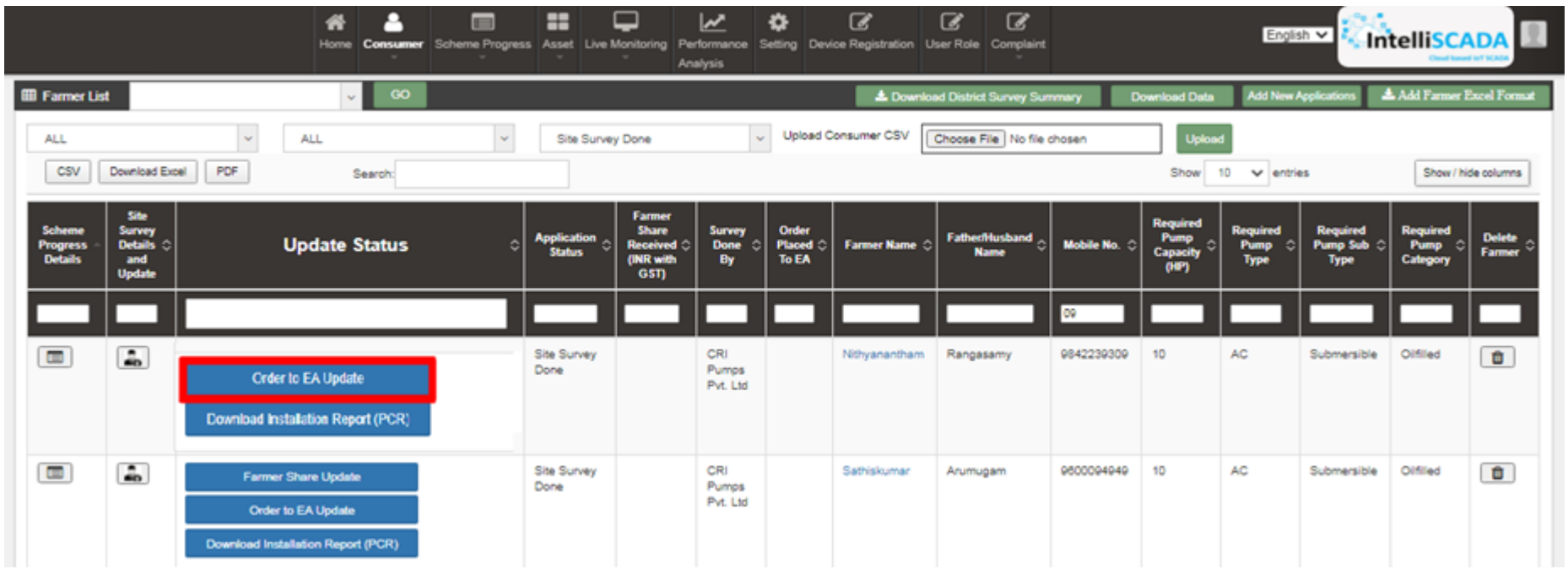


FIGURE 120 DETAILS DASHBOARD

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

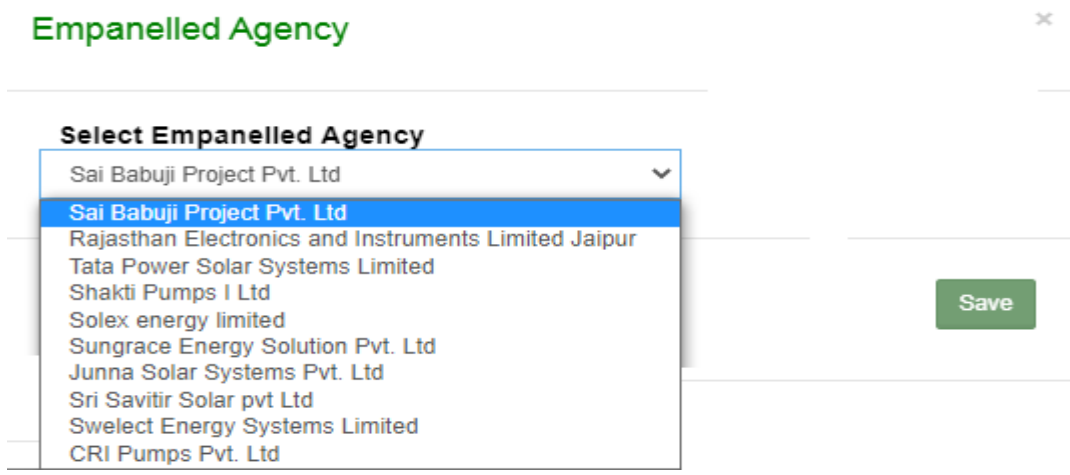


FIGURE 121 ASSIGN EA TO THE CONSUMER/FARMER.

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

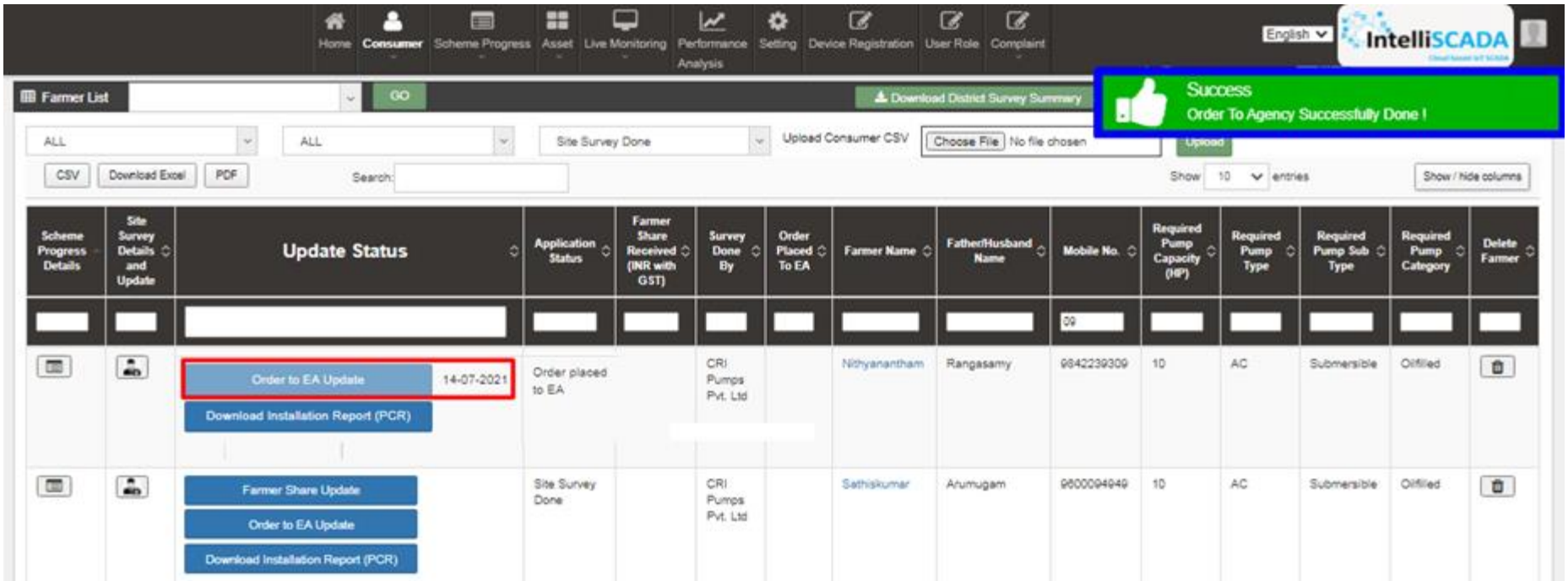


FIGURE 122 UPDATED ORDER PLACE TO EA

- 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 122 and a date (on which the button “Order to EA Update” is clicked and Empanelled Agency is assigned) will appear just beside the “Order to EA Update” button (highlighted in red in above Figure 122) which means that status “Order Place to EA” is updated.

NOTE: To update status “Order Placed to EA” in **bulk** i.e. of multiple consumers/farmers at once, click **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

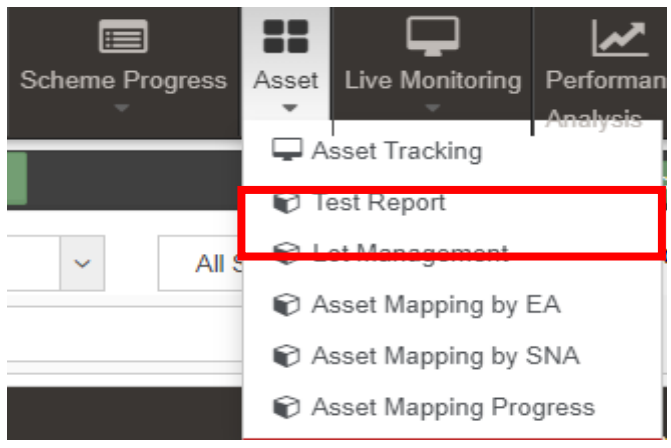


FIGURE 123 TEST REPORT

➢ 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.

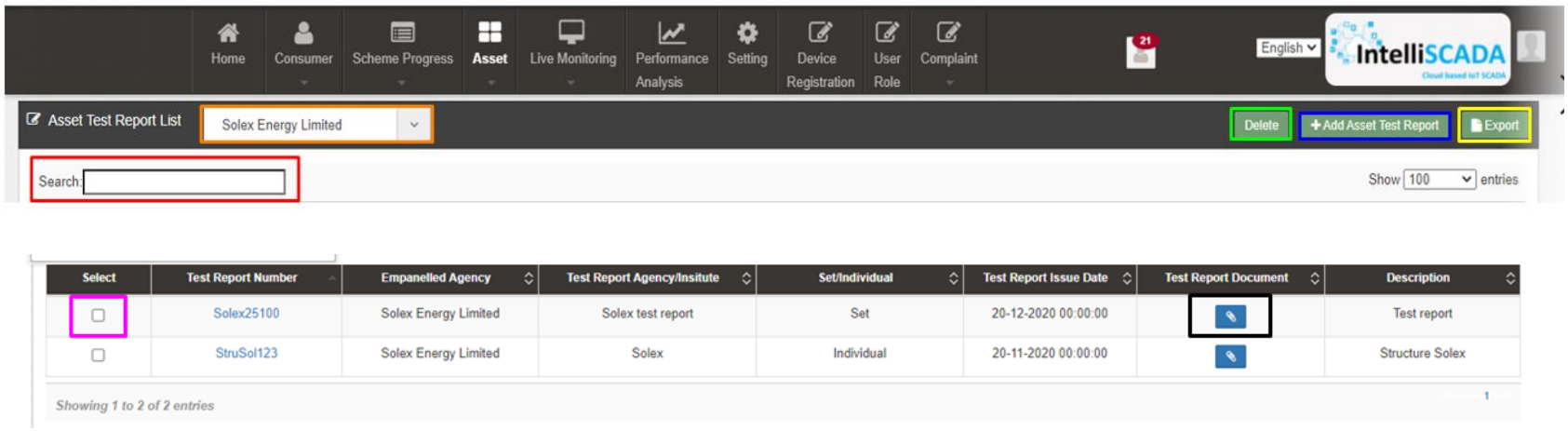


FIGURE 124 ASSET TEST REPORT

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.

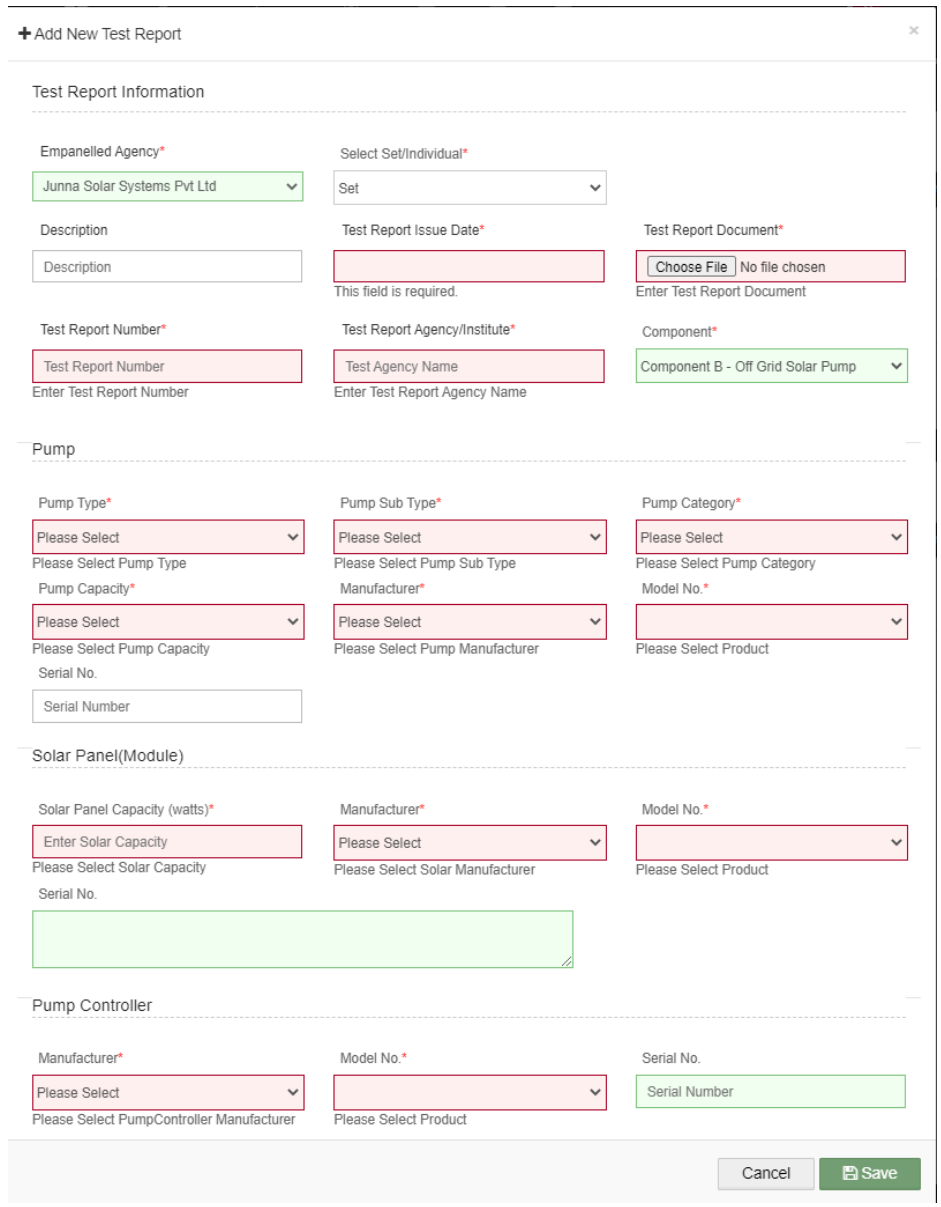


FIGURE 125 ADD ASSET TEST REPORT

Table 46 ASSET TEST REPORT FIELD DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory 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

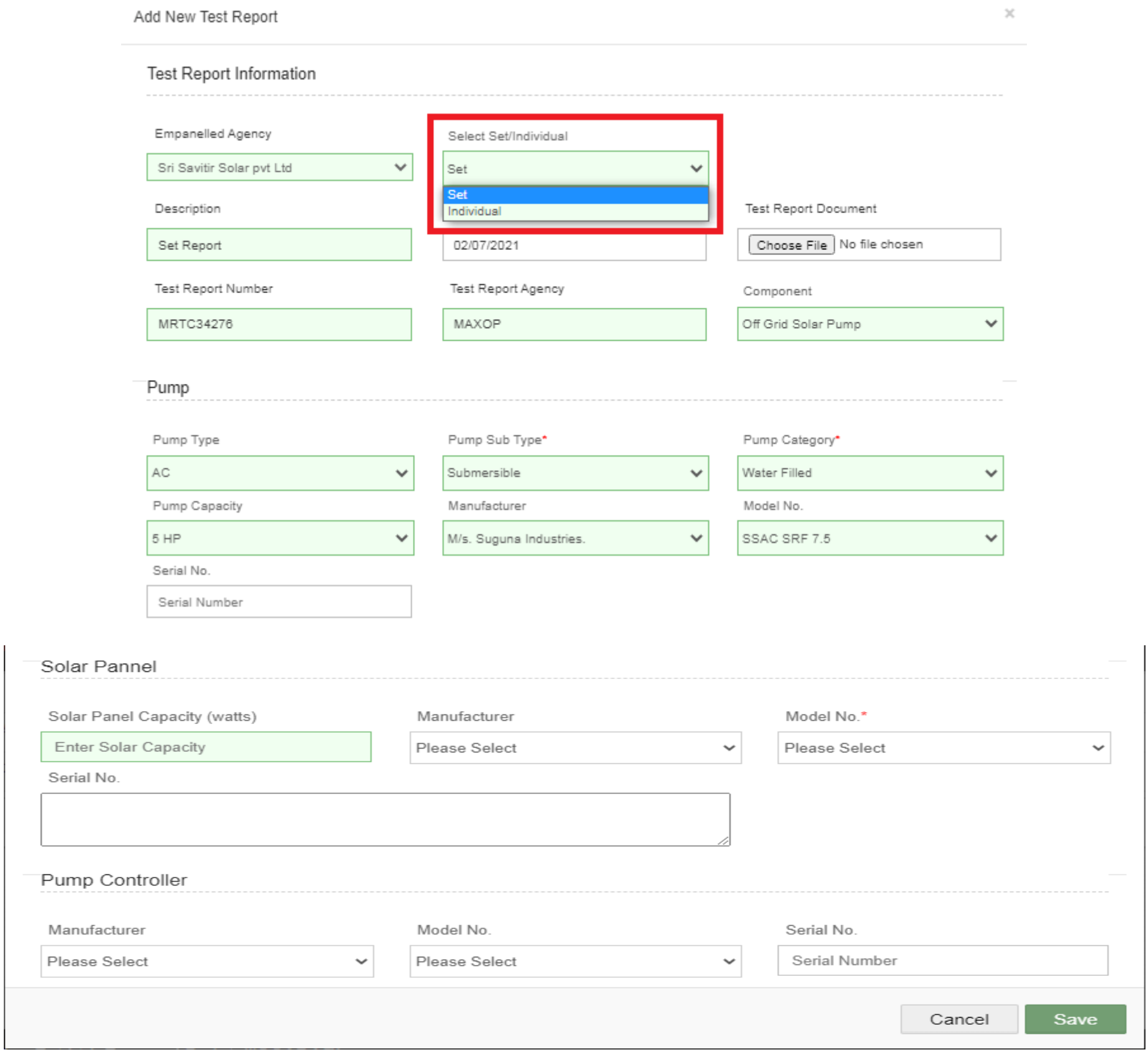


FIGURE 126 SET REPORT

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

- Creation of an Individual Report

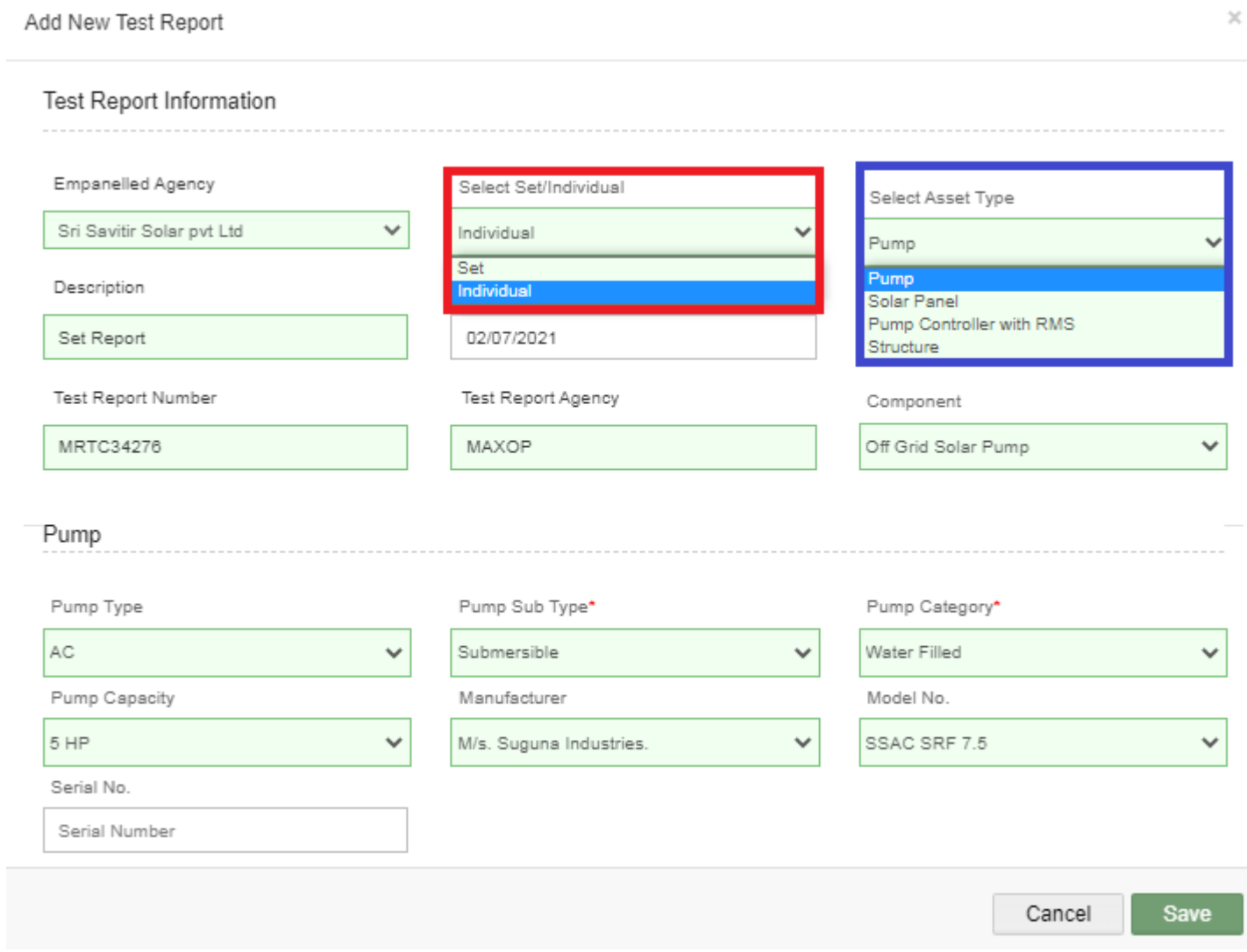


FIGURE 127 INDIVIDUAL REPORT

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

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

18. LOT CREATION & UPDATING PDI STATUS

- Empanelled Agency (EA) is the authorized user for creation of Lot & Document.
- Lot creation serves the purpose of adding asset details like Manufacturer details, Asset Model nos. and Asset Serial nos. which further will be utilized for Asset Serial no. Mapping with the consumers/farmers.

- Navigation Steps: -
  1. Sign in on the State SEDM Portal
  2. Click on the 'Asset' option on the Title Bar of the SEDM Portal Dashboard

- Sign In >> Asset >> Lot Management

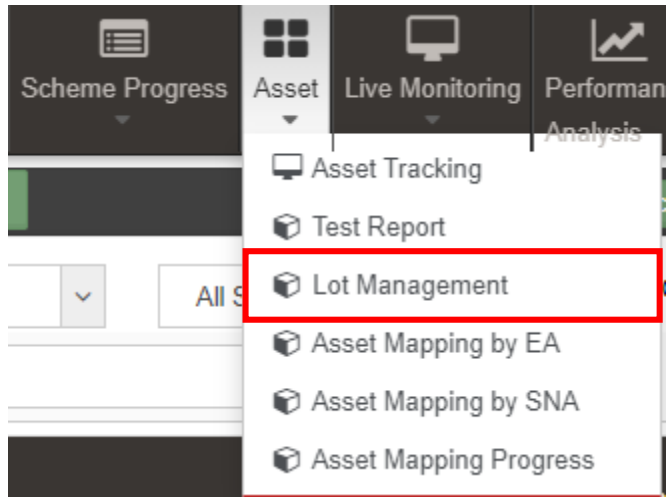


FIGURE 128 LOT MANAGEMENT OPTION

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

- Make, Model No, Serial No, Manufacturing Date

➢ The Lot Management feature of Asset Management module offers users a useful functionality of bulk mapping the asset tracking reports, view the Consumer/Farmer details, check the quantitative statistics, and manage documents for multiple Consumers/farmers all at once.

LOT CREATION

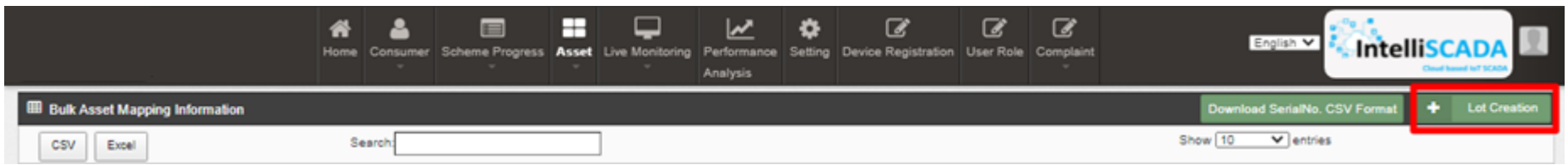


FIGURE 129 LOT CREATION BUTTON

- 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 129). After clicking onto the button, a window screen appears (shown in Figure 130) in which user must enter all the details and attach the required documents for necessary verification process.

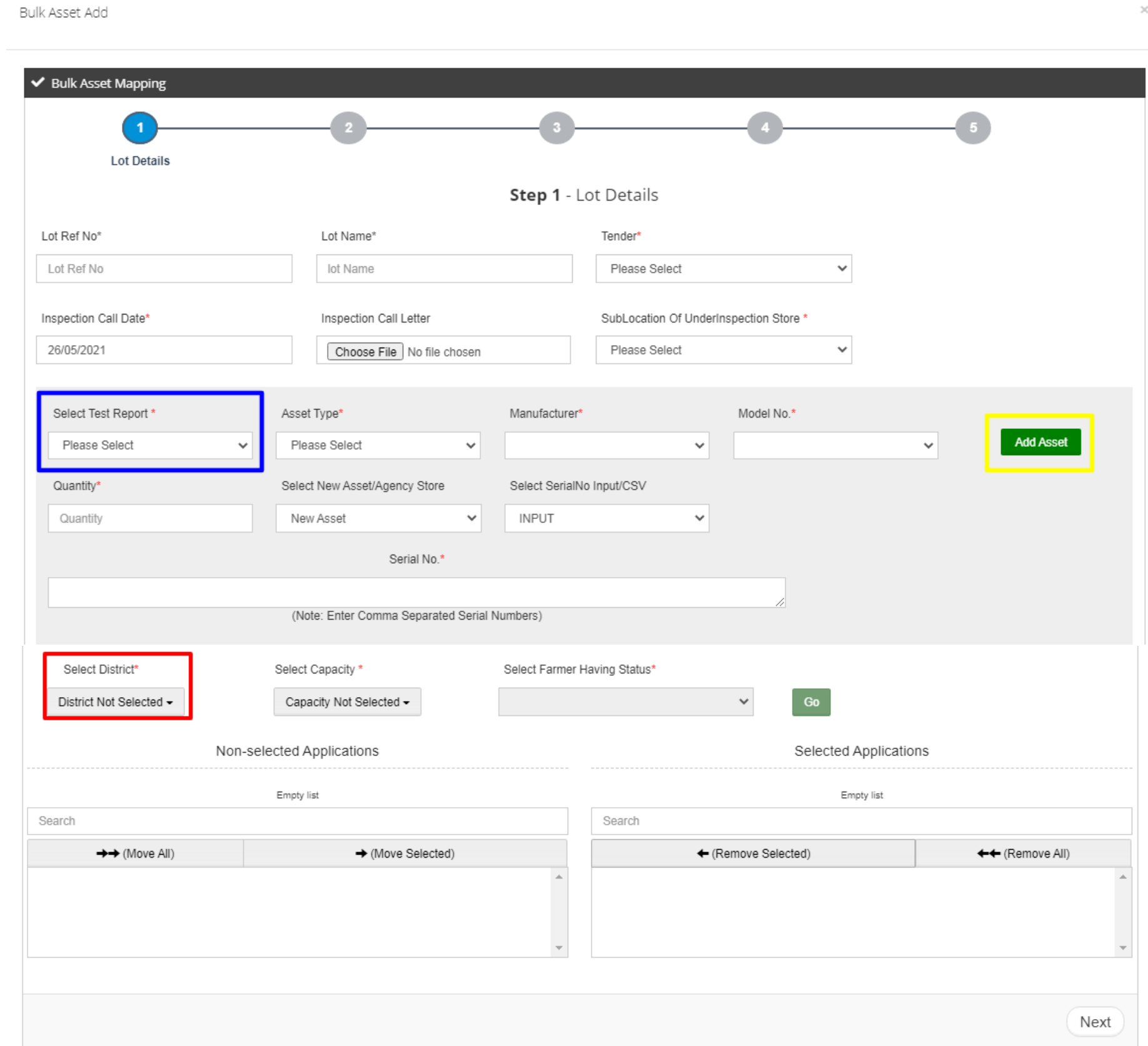


FIGURE 130 LOT FORM

Table 47 LOT FIELD DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description
Lot Ref No.	Text	-	✓	1	-
Lot Name	Text	-	✓	LOT 1	-
Tender	Drop Down	- Off Grid Solar Pump - Off Grid Solar Pump of 10 HP	✓	Off Grid Solar Pump	Selection of relevant Tender
Inspection Call Date	Date	-	✓	26/05/2021	-
Inspection Call Letter	File Upload Control	-	-	PDI1.pdf	-
Sub Location of Under Inspection Store	Drop Down	- BANDIPORA,JAMMU AND KASHMIR - DODA,JAMMU AND KASHMIR - JAMMU ,JAMMU AND KASHMIR	✓	BANDIPORA,JAMMU AND KASHMIR	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	✓	MRTCTP09320200111	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	- BANDIPORA - DODA - JAMMU	✓	BANDIPORA	Selection of relevant District from where the Consumers/farmers belong to for filtering purpose
Select Capacity	Drop Down	- AC-5HP,Surface Pumps - AC-7.5HP,Surface Pumps - AC-10HP,Surface Pumps - DC-5HP,Surface Pumps	✓	AC-5, Surface Pumps	Selection of the relevant capacity for filtering purpose
Select Farmer Having Status	Autofill	**-**	✓	Order Placed to EA	Only list of farmers whose order has been placed and has not be included previously in any lot creation and farmers whose order has been placed to logged in EA will be available for selection, No of farmers to be selected cannot be greater than no of Pump Assets.
			✓		

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

➢ **Entering Serial Nos. Manually**

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

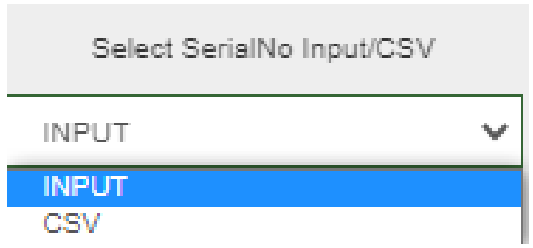


FIGURE 131 SELECT INPUT/CSV DROPDOWN

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

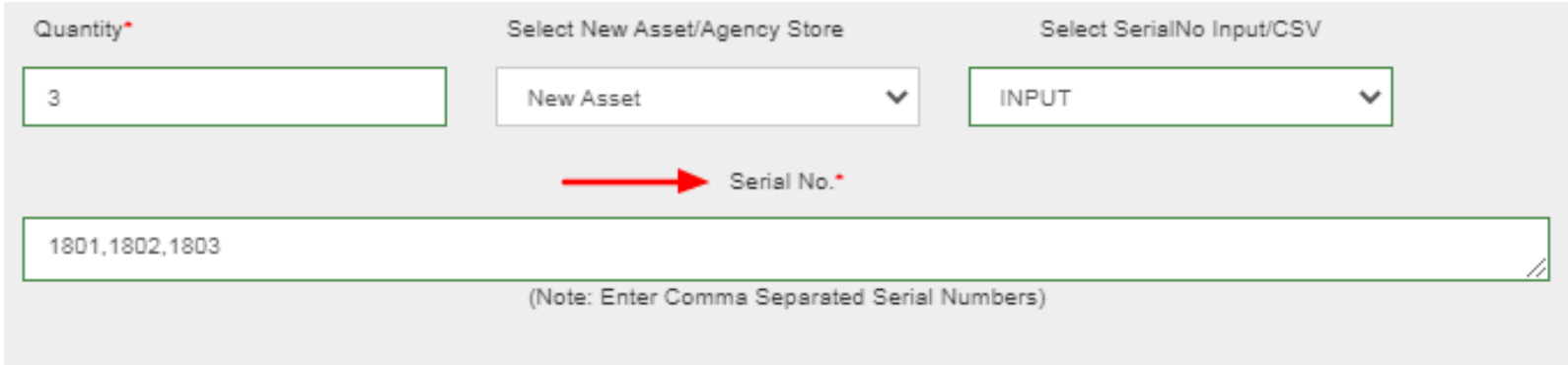


FIGURE 132 ENTERING COMMA SEPARATED ASSET SERIAL NOS.

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

➢ **Entering Serial Nos. via Uploading CSV.**

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

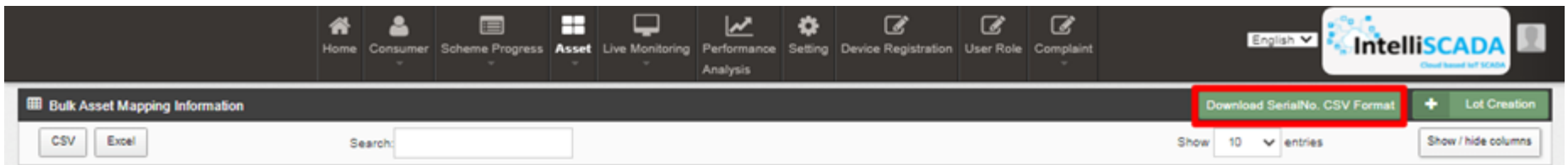


FIGURE 133 SERIAL NO. CSV FORMAT BUTTON

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

FIGURE 134 SERIAL NO CSV FILE

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

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

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

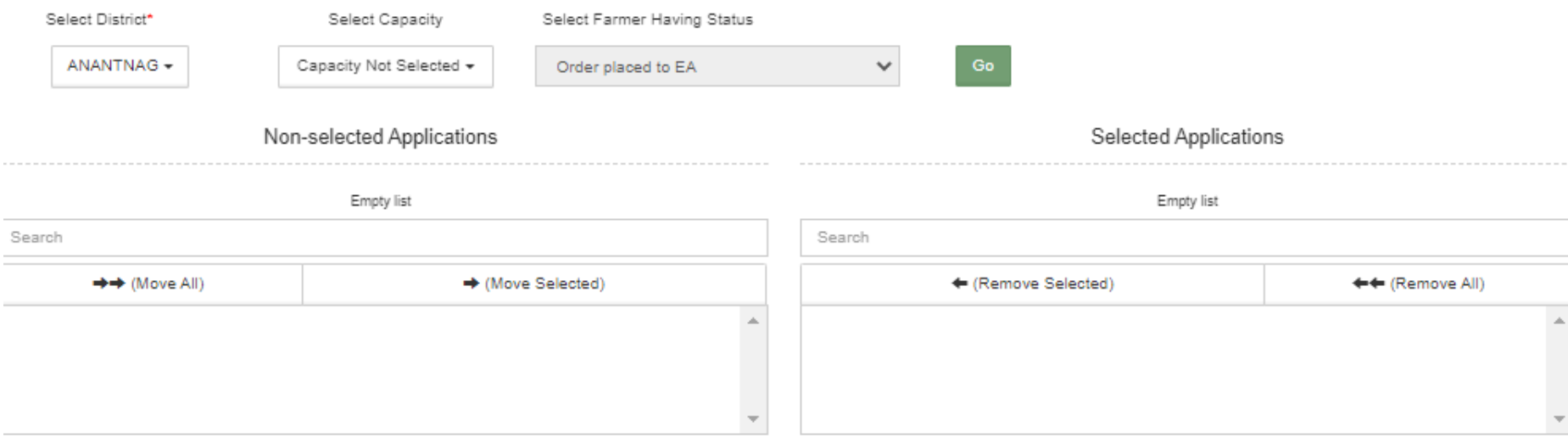


FIGURE 136 ADD ASSET BOX

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

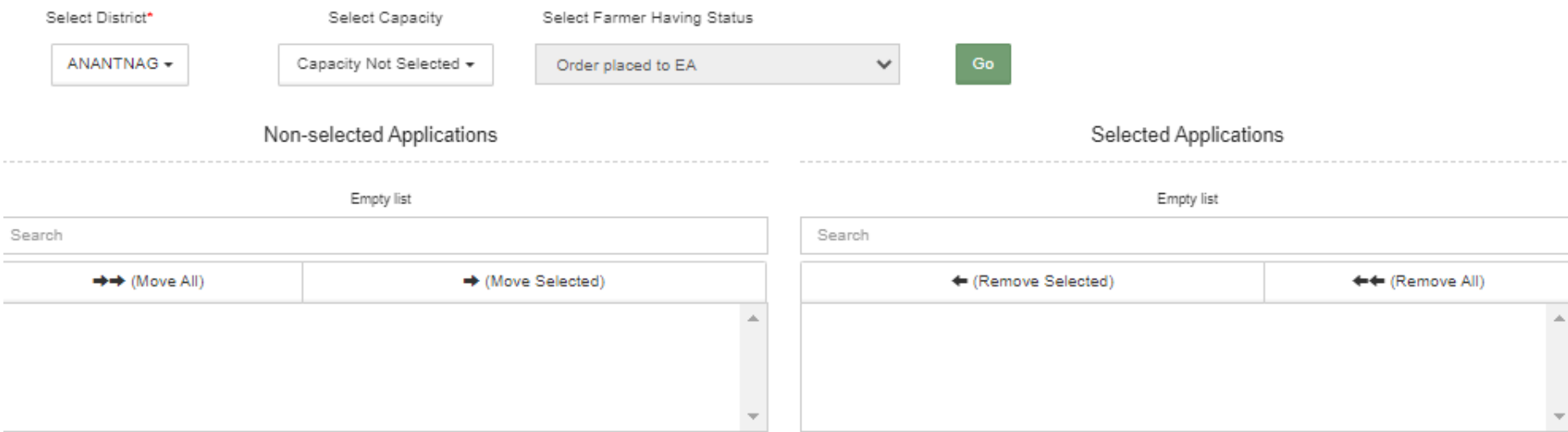


FIGURE 137 NEXT BUTTON

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

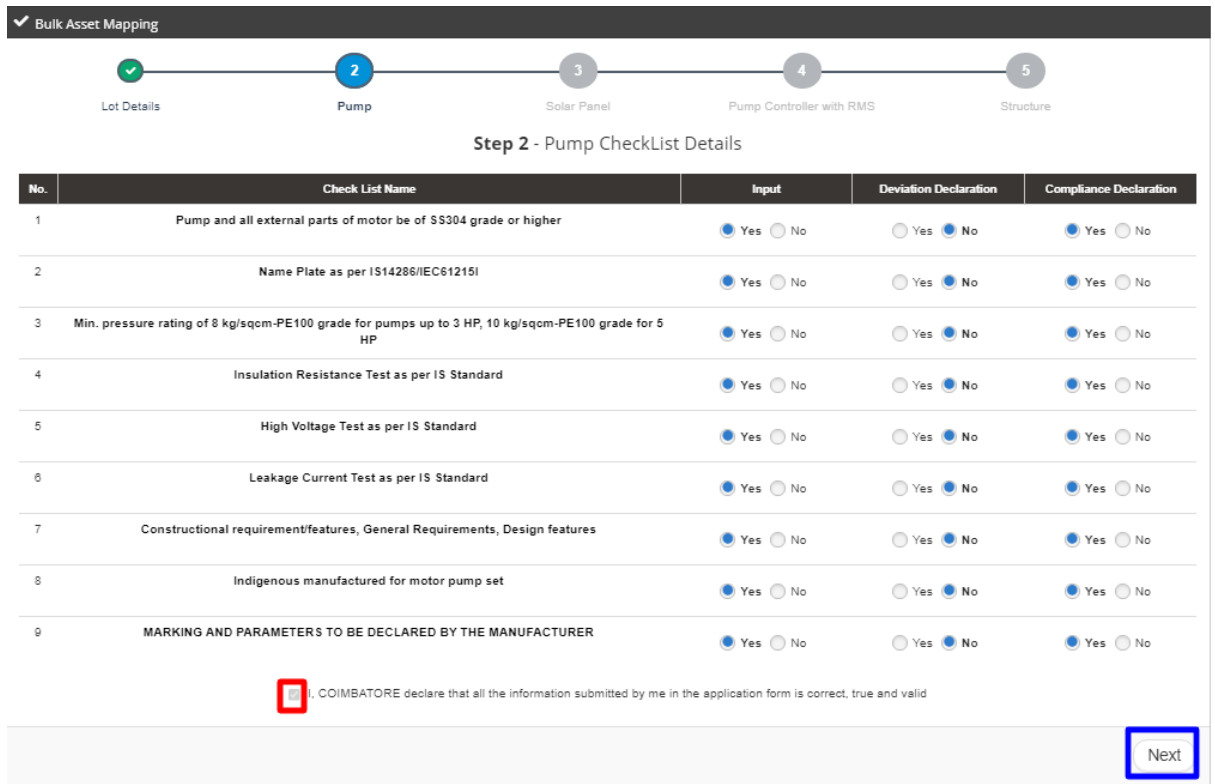


FIGURE 138 PUMP CHECKLIST

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

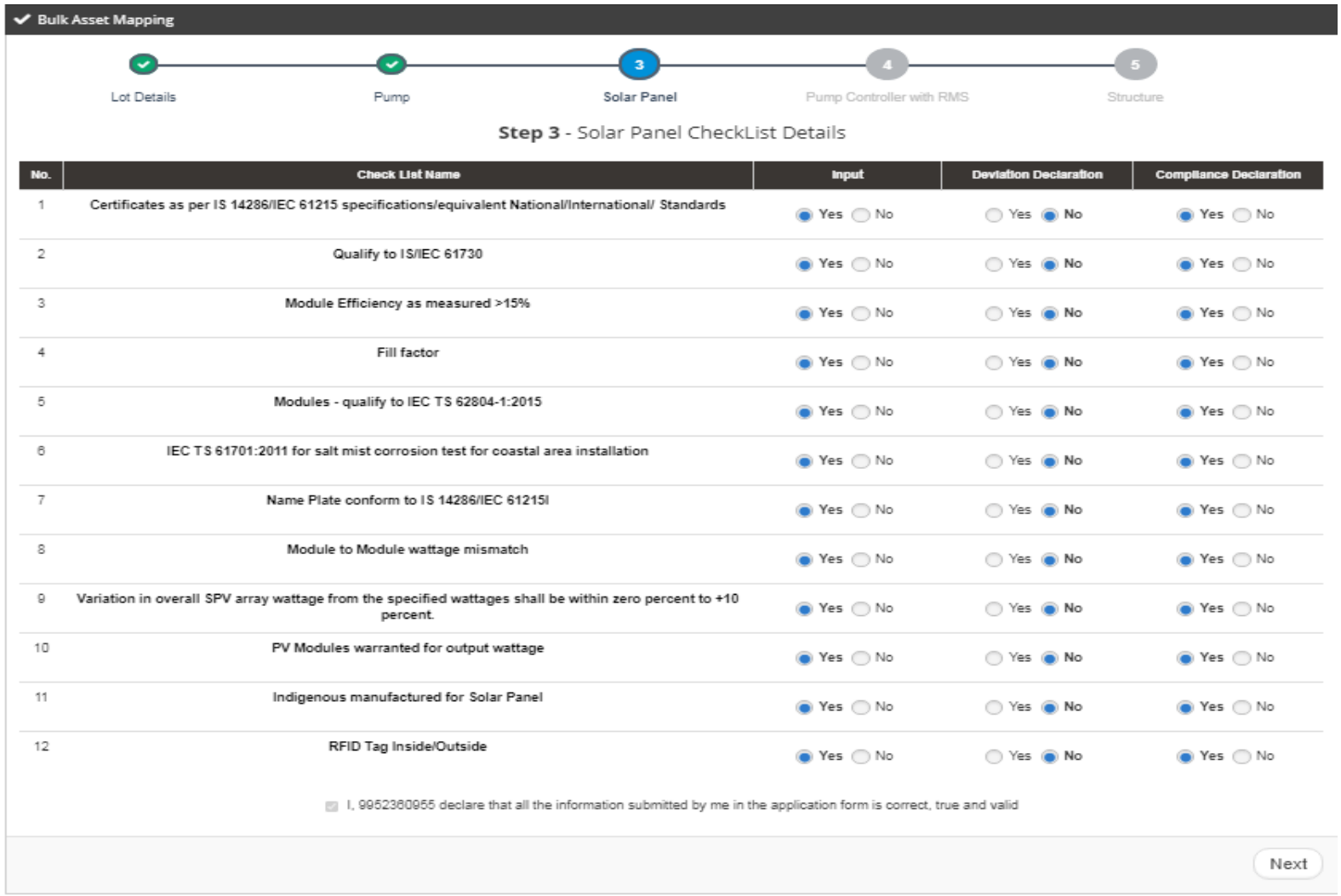


FIGURE 139 SOLAR PANEL CHECKLIST

Bulk Asset Mapping

Lot Details ✓ — Pump ✓ — Solar Panel ✓ — 4 Pump Controller with RMS — 5 Structure

Step 4 - Pump Controller with RMS CheckList Details

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

I, 9952360955 declare that all the information submitted by me in the application form is correct, true and valid

Next

FIGURE 140 PUMP CONTROLLER CHECKLIST

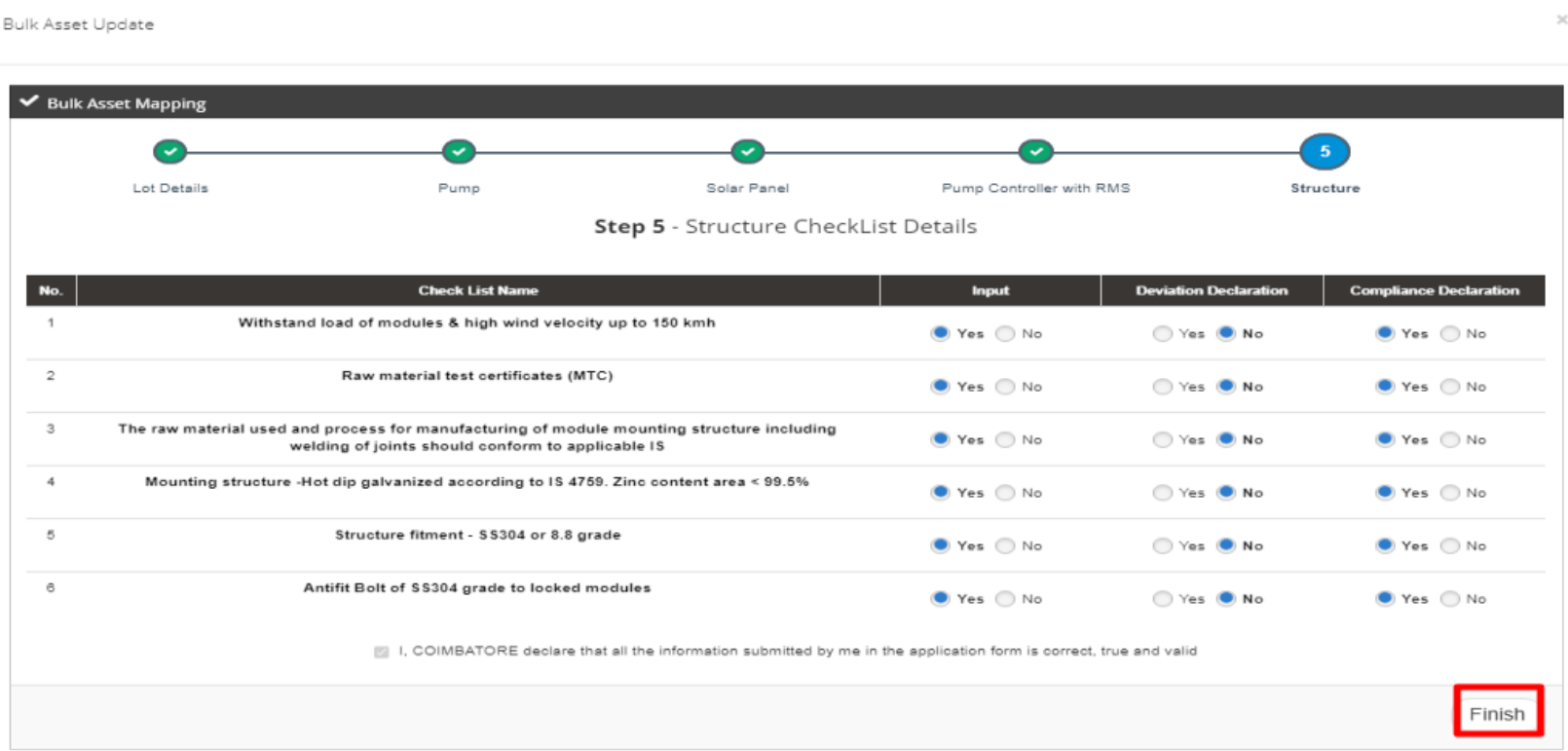


FIGURE 141 STRUCTURE CHECKLIST

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

UPDATING PDI STATUS

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

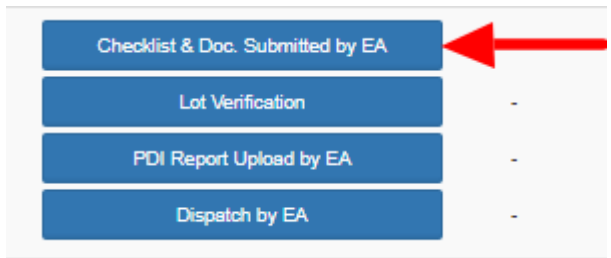


FIGURE 142 CHECKLIST & DOCUMENT SUBMIT BUTTON

Add reference scheme progress in consumer details,

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

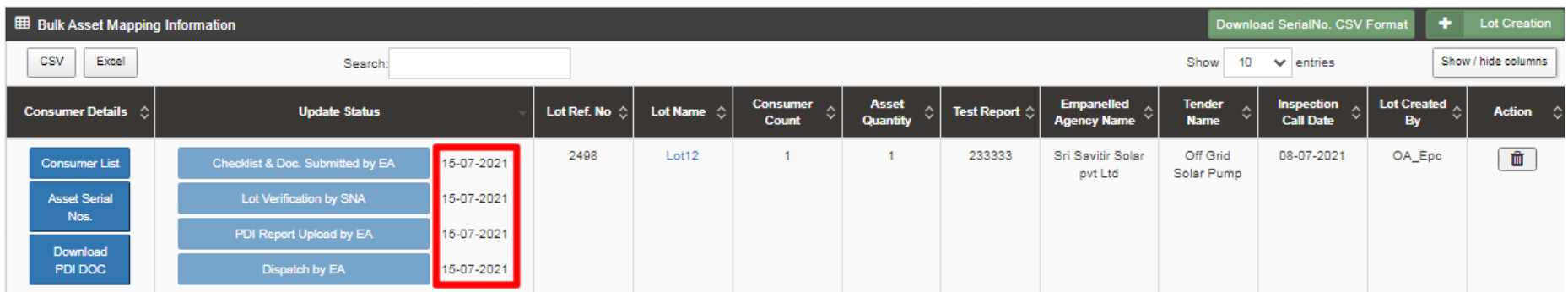


FIGURE 143 STATUS UPDATED

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

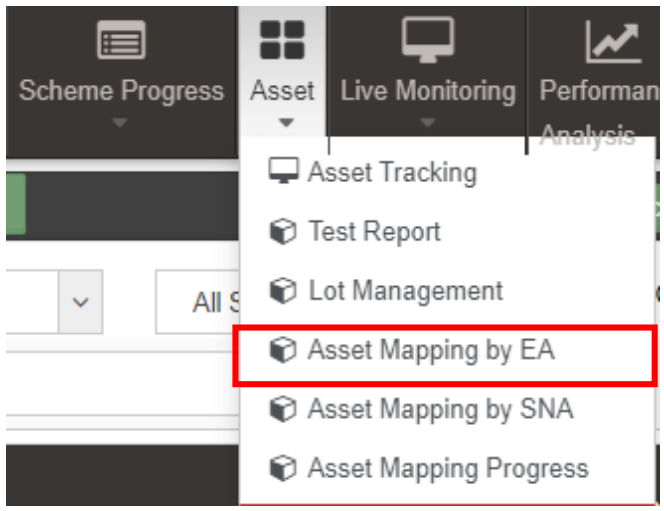


FIGURE 144 ASSET MAPPING BY EA OPTION

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

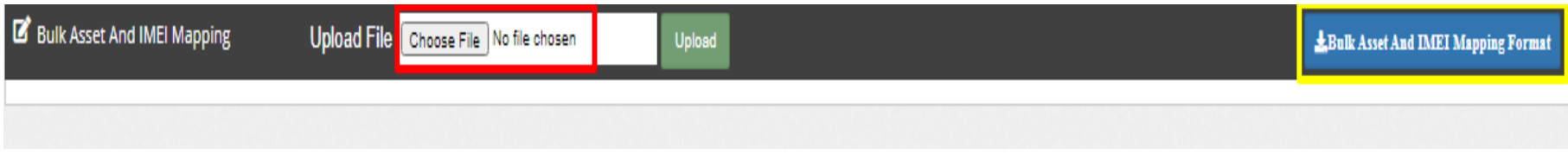


FIGURE 145 ASSET MAPPING IN BULK

- EA user can download ".xlxs" file format by clicking on "Bulk Asset and IMEI Mapping Format" button (highlighted in yellow in above Figure 145) for creating csv file to map assets with farmers in bulk.

- The above **Error! Reference source not found.** is an Excel file of Asset Mapping in Bulk format in which user has to delete the two dummy entries of asset mapping and has to enter their own data from the **"2nd Row".**

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

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

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

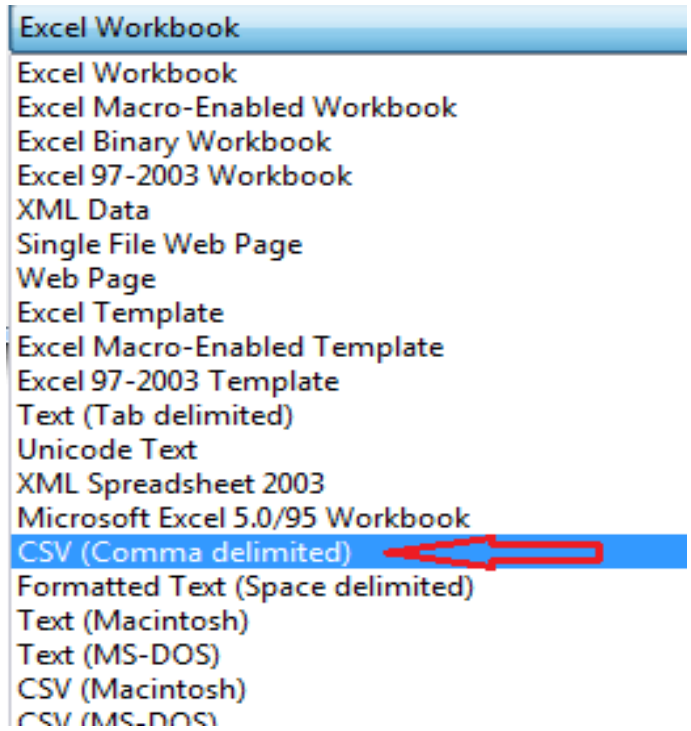


FIGURE 146 SAVE AS CSV (COMMA DELIMITED)

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

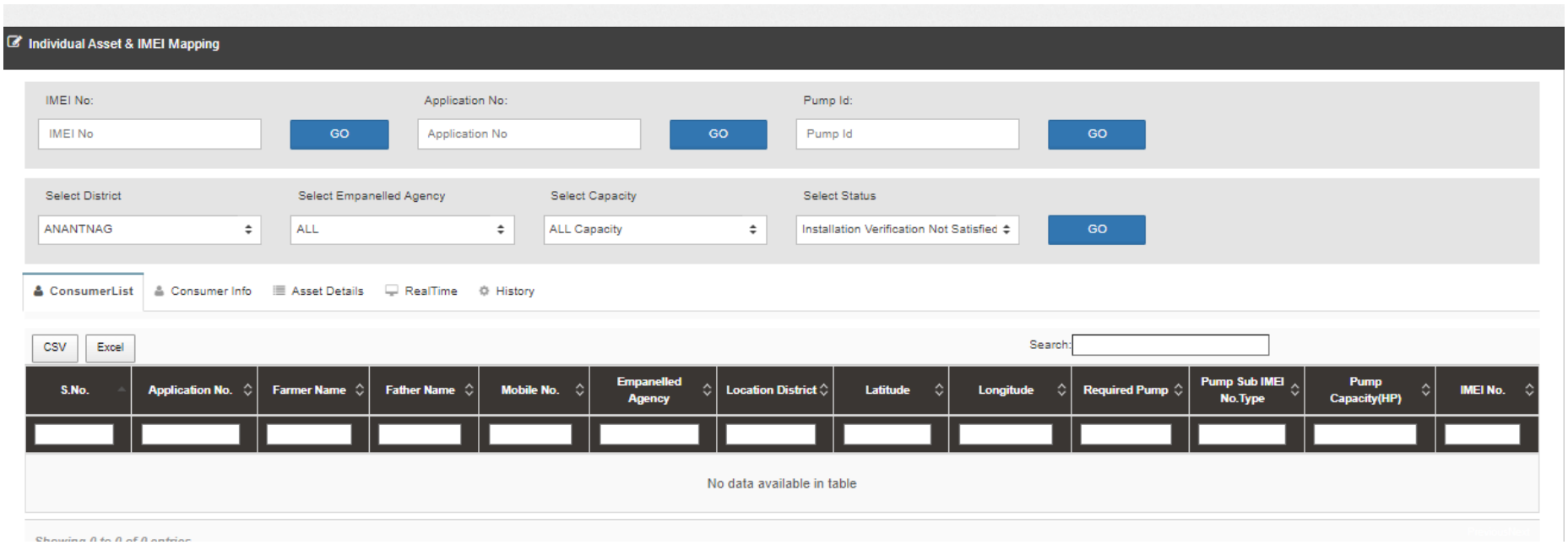


FIGURE 147 ASSET MAPPING BY EA DASHBOARD

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

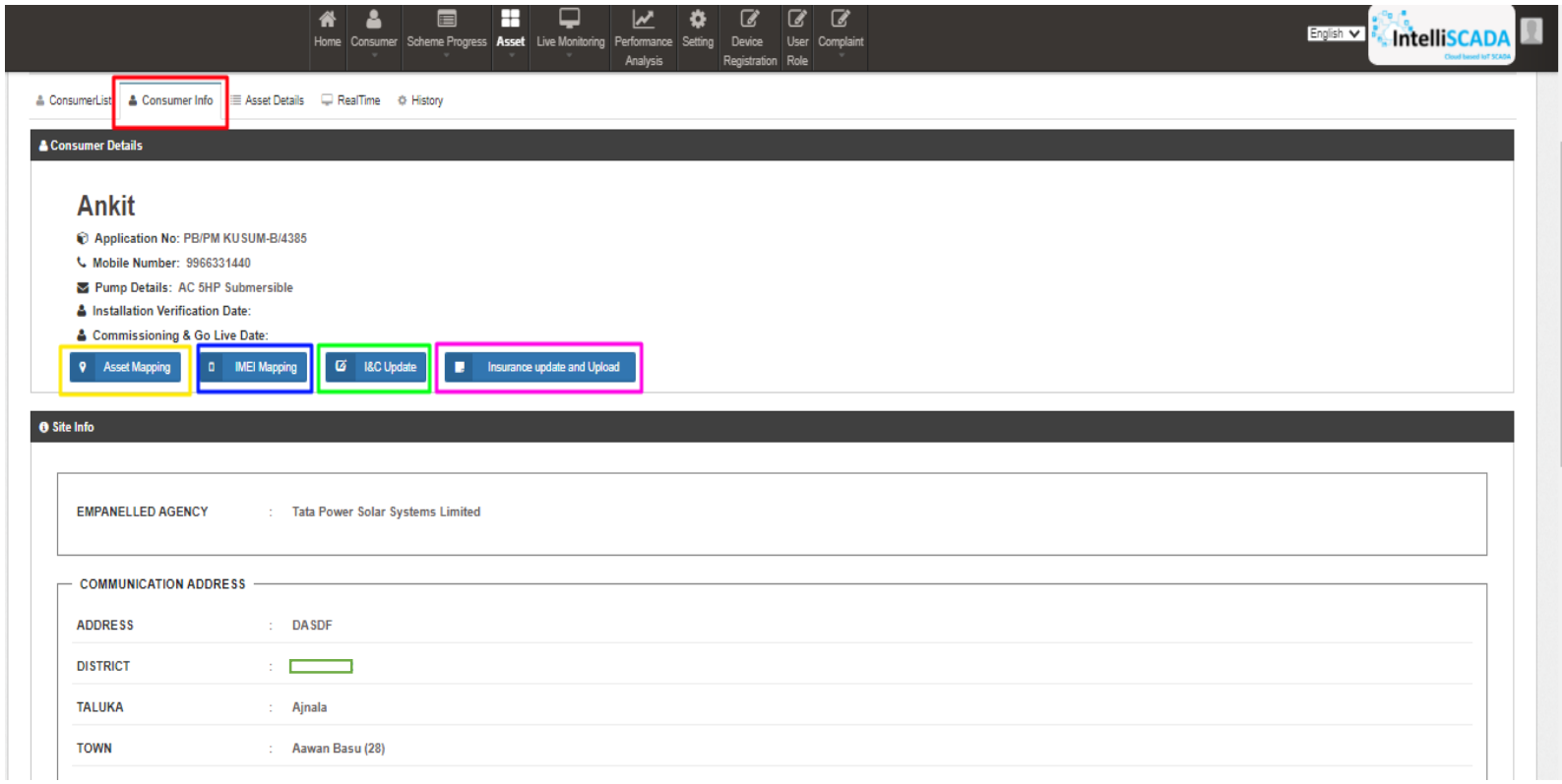


FIGURE 148 CONSUMER INFO TAB

- In above Figure 148, the four sub features will function for the Asset Mapping, IMEI mapping, uploading I&C photos and uploading Insurance policy details.

- The first sub feature is “Individual Asset Mapping”. By clicking “Asset Mapping” button (highlighted in yellow in above Figure 148), user can map asset serial nos. individually with the farmer as shown in below Figure 149. Only Assets with relevant capacity and which has been dispatched against lot can only be mapped against farmer.

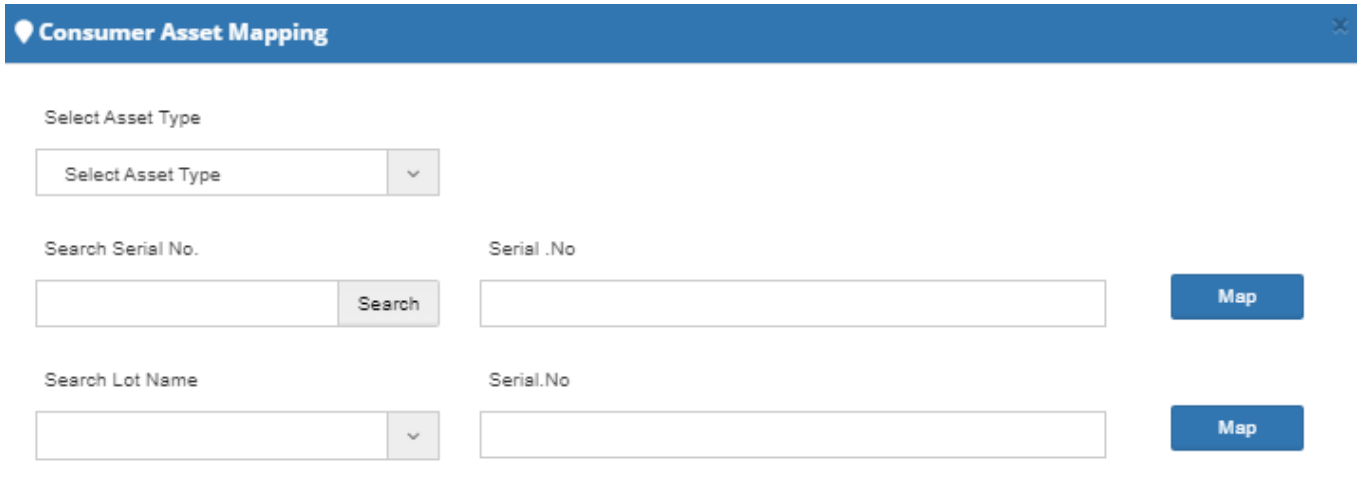


FIGURE 149 INDIVIDUAL ASSET MAPPING

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

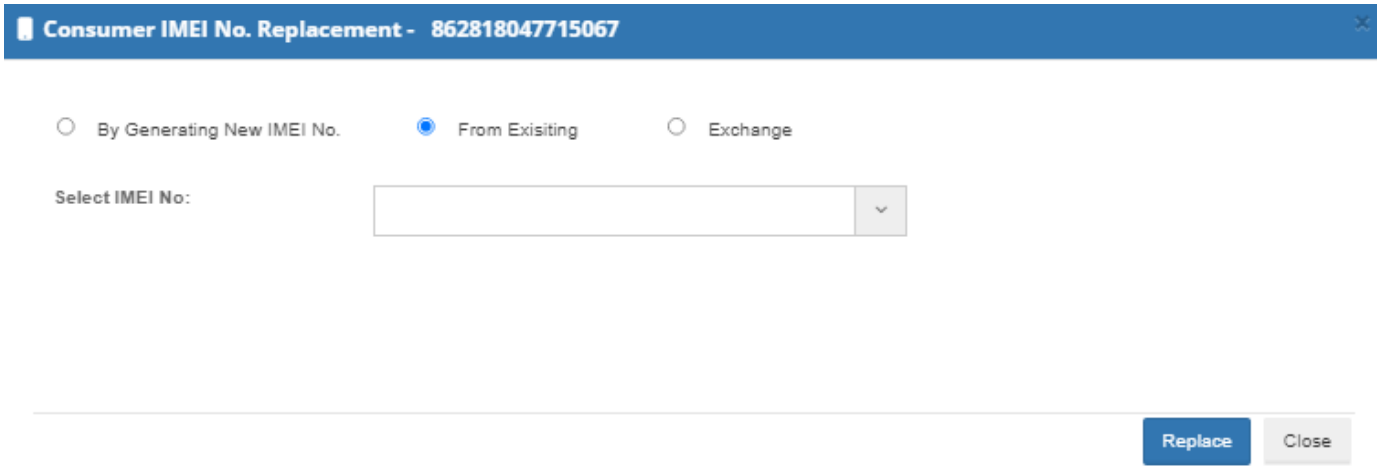


FIGURE 150 IMEI REPLACEMENT

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

19.2 INSTALLATION & COMMISSION DONE (I&C)

- The third sub-feature is 'I&C done.
- By clicking "I&C Update" button (highlighted in green in Figure 148), a screen will appear (as shown in Figure 151) in which user has to upload below mentioned four photographs:
    - Foundation
    - 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.

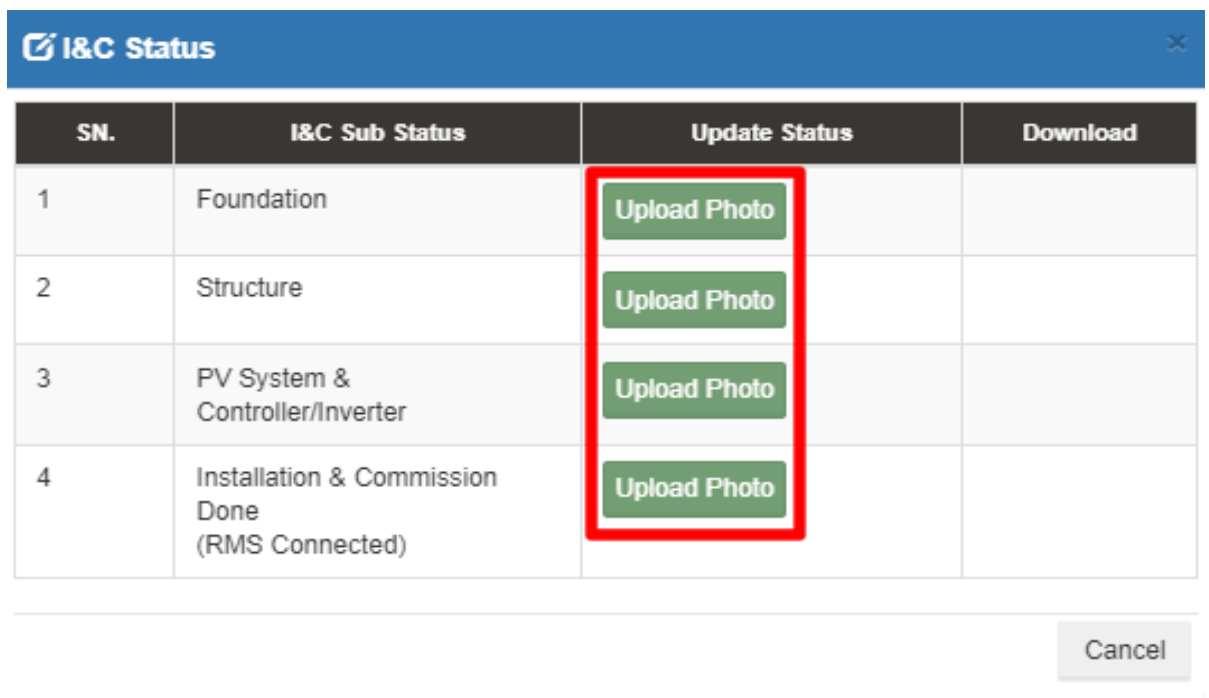


FIGURE 151 I & C PHOTOS

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

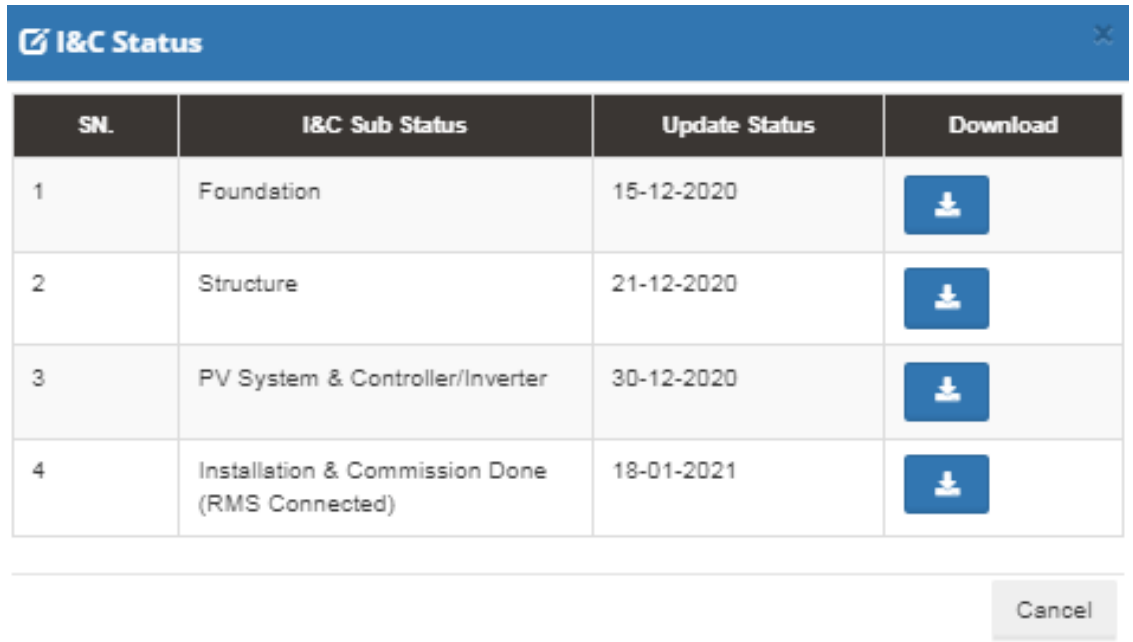


FIGURE 152 I&C STATUS BOX

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

UPLAODING INSURANCE POLICY DETAILS

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

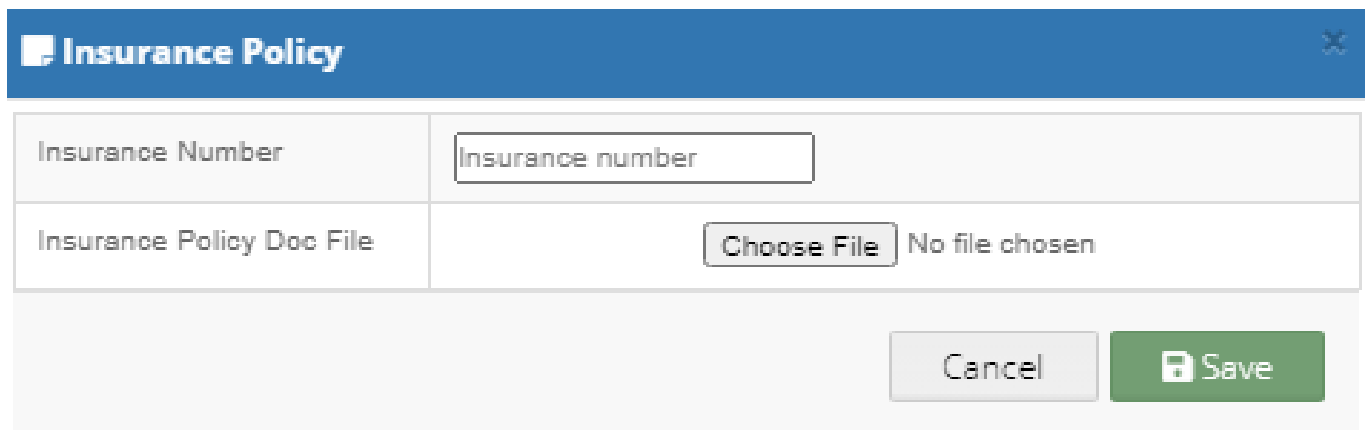


FIGURE 153 INSURANCE POLICY

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

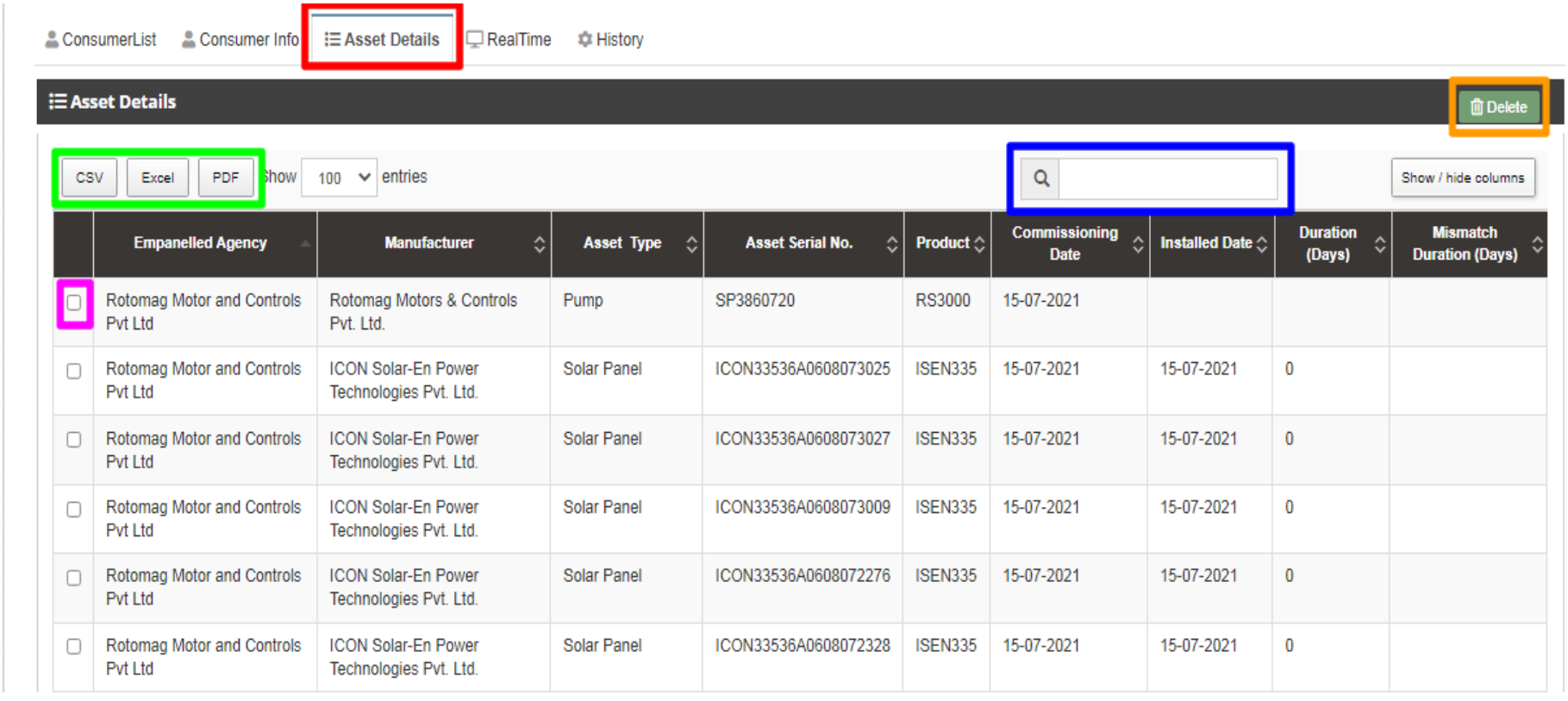


FIGURE 154 ASSET DETAILS

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 154) 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

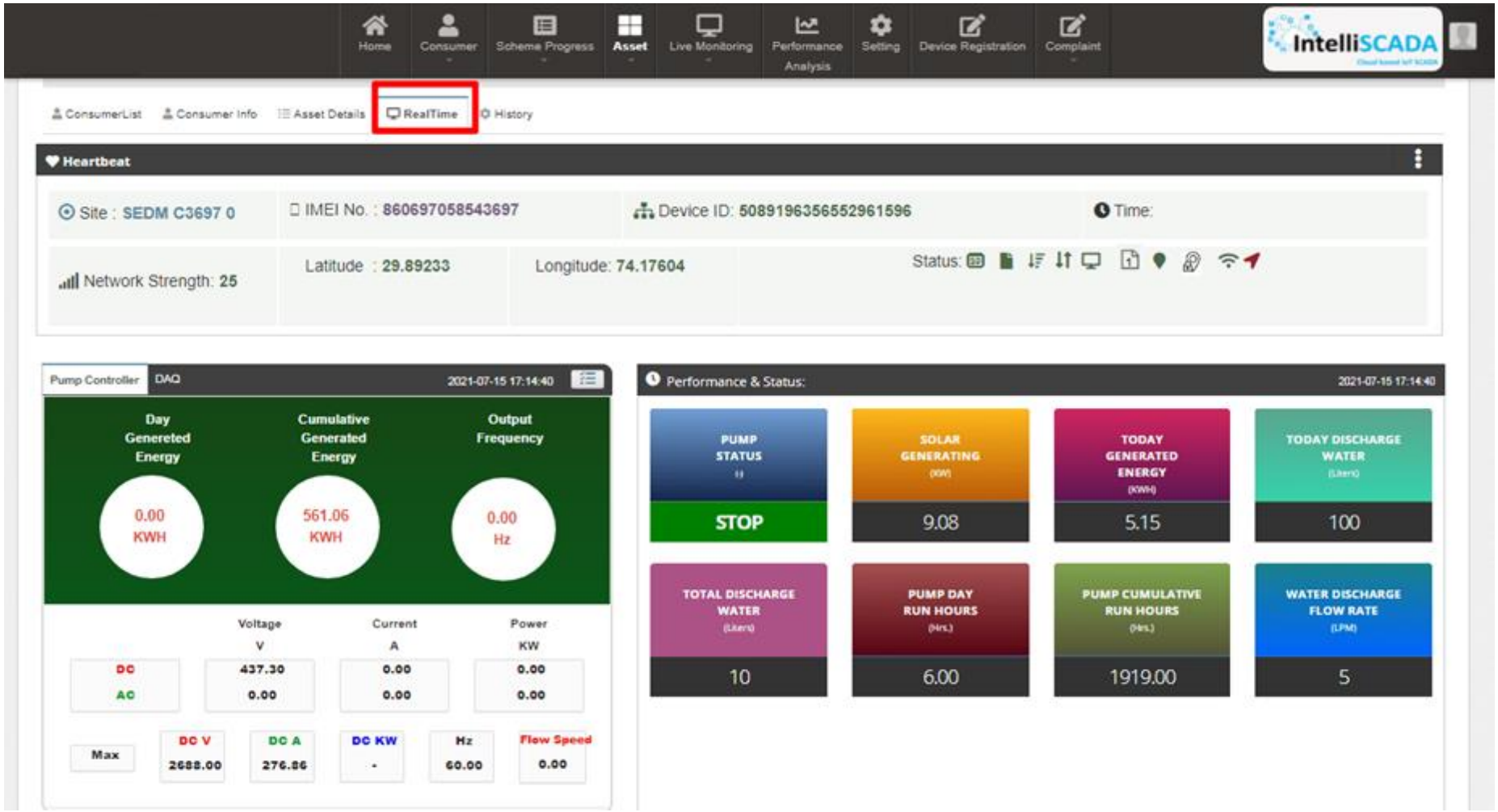
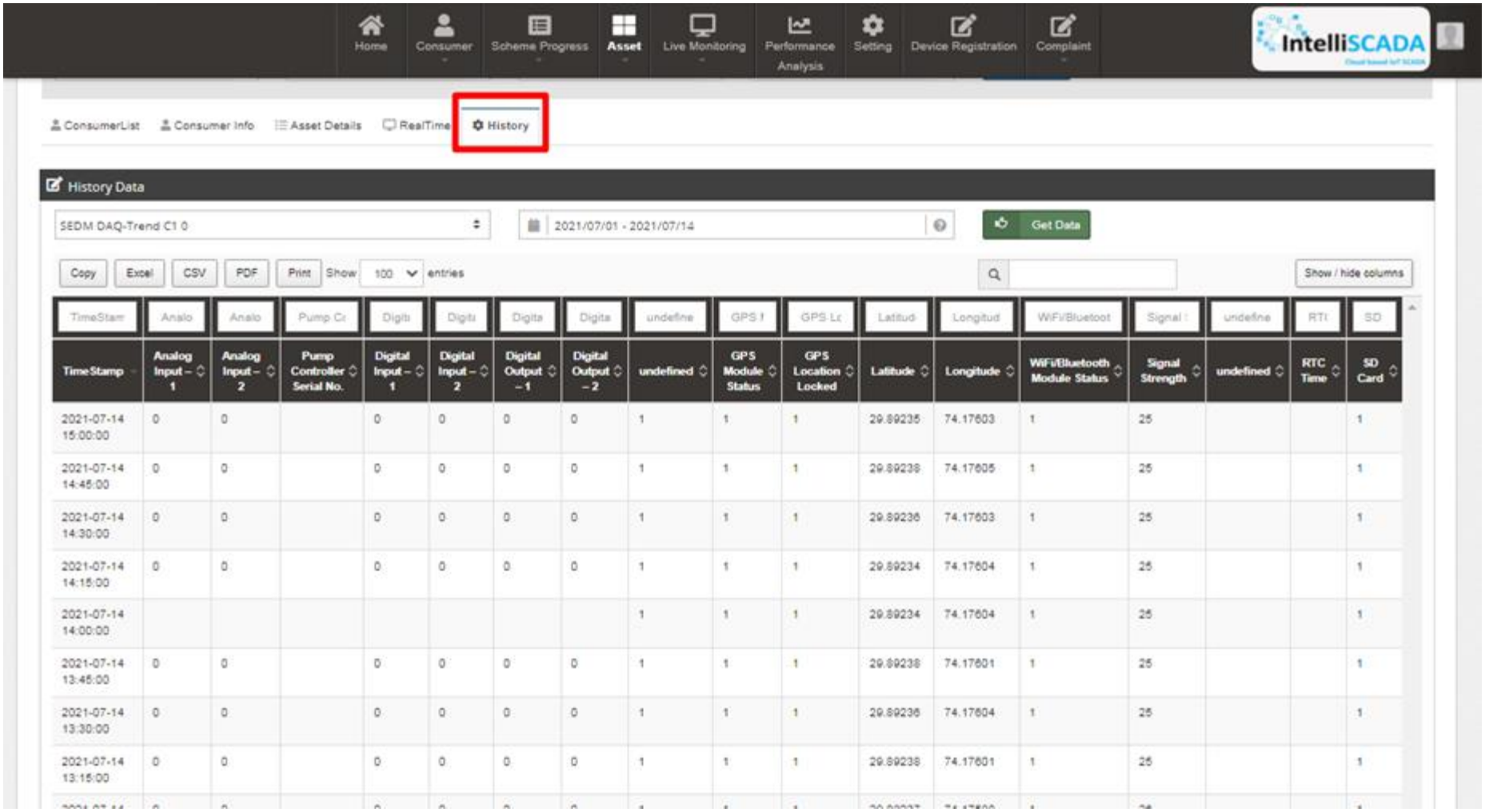


FIGURE 155 REAL-TIME DASHBOARD

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



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	WiFi/Bluetooth 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	29.89236	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	29.89236	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 156 VIEW HISTORY

20. INSTALLATION & COMMISSION (I&C) VERIFICATION

- Below are the authorized users for I&C Verification :
  - State Implementing Agency (SIA)
    - Sub Division Officer (SDN)
    - Head Officer (HO)
- After updating “Installation & Commission” status of the consumer/farmer, SIA user has to change the status “I&C Verification”.

➢ Navigation Steps: -

1. Sign in on the State SEDM Portal
2. Click on the ‘Asset” option on the Title Bar of the SEDM Portal Dashboard
3. Click on the “Asset Mapping by SNA” option from the drop-down menu

- Sign In >> Asset >> Asset Mapping by SNA

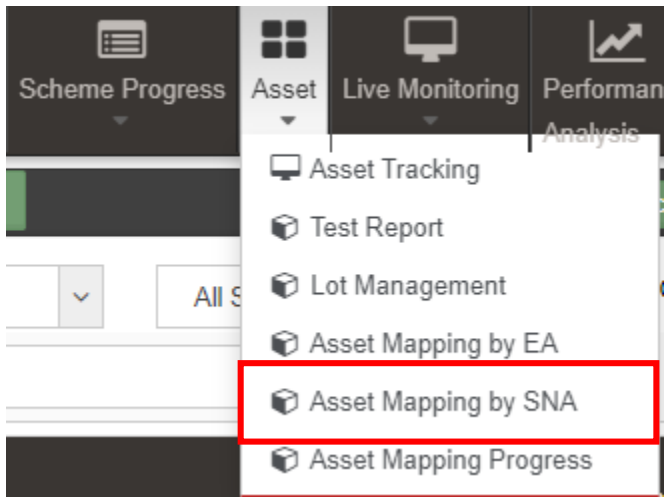


FIGURE 157 ASSET MAPPING BY SNA OPTION

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

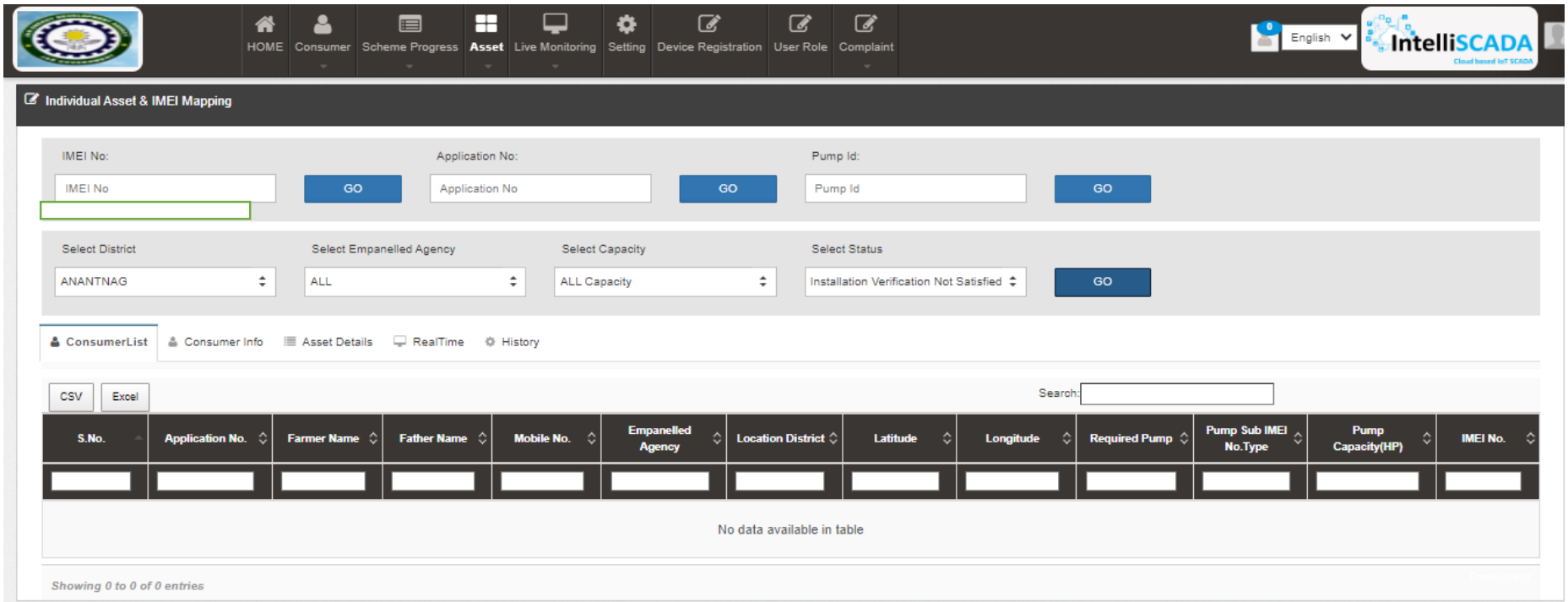


FIGURE 158 ASSET MAPPING BY SNA DASHBOARD

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

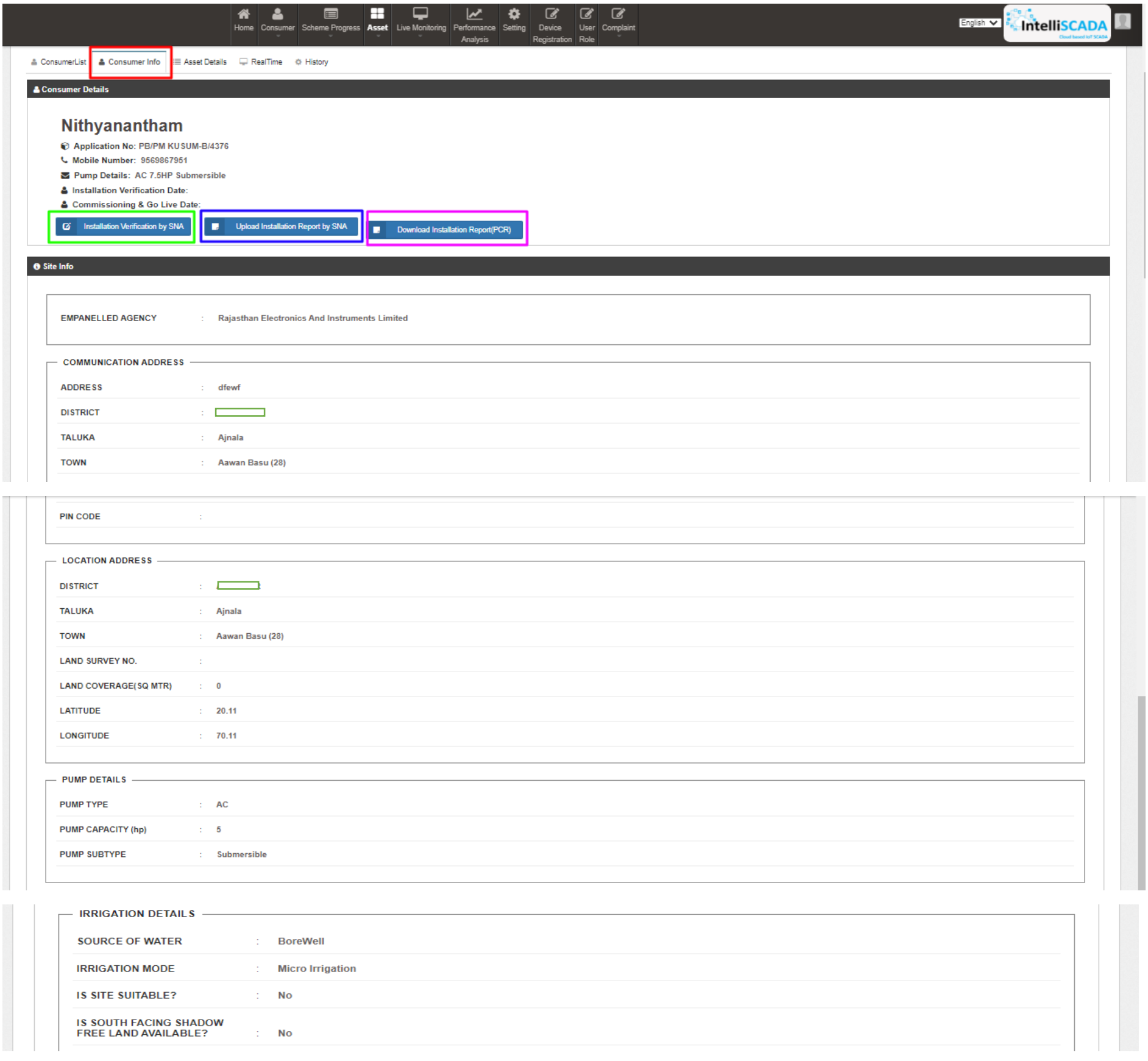


FIGURE 159 CONSUMER INFO TAB

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

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

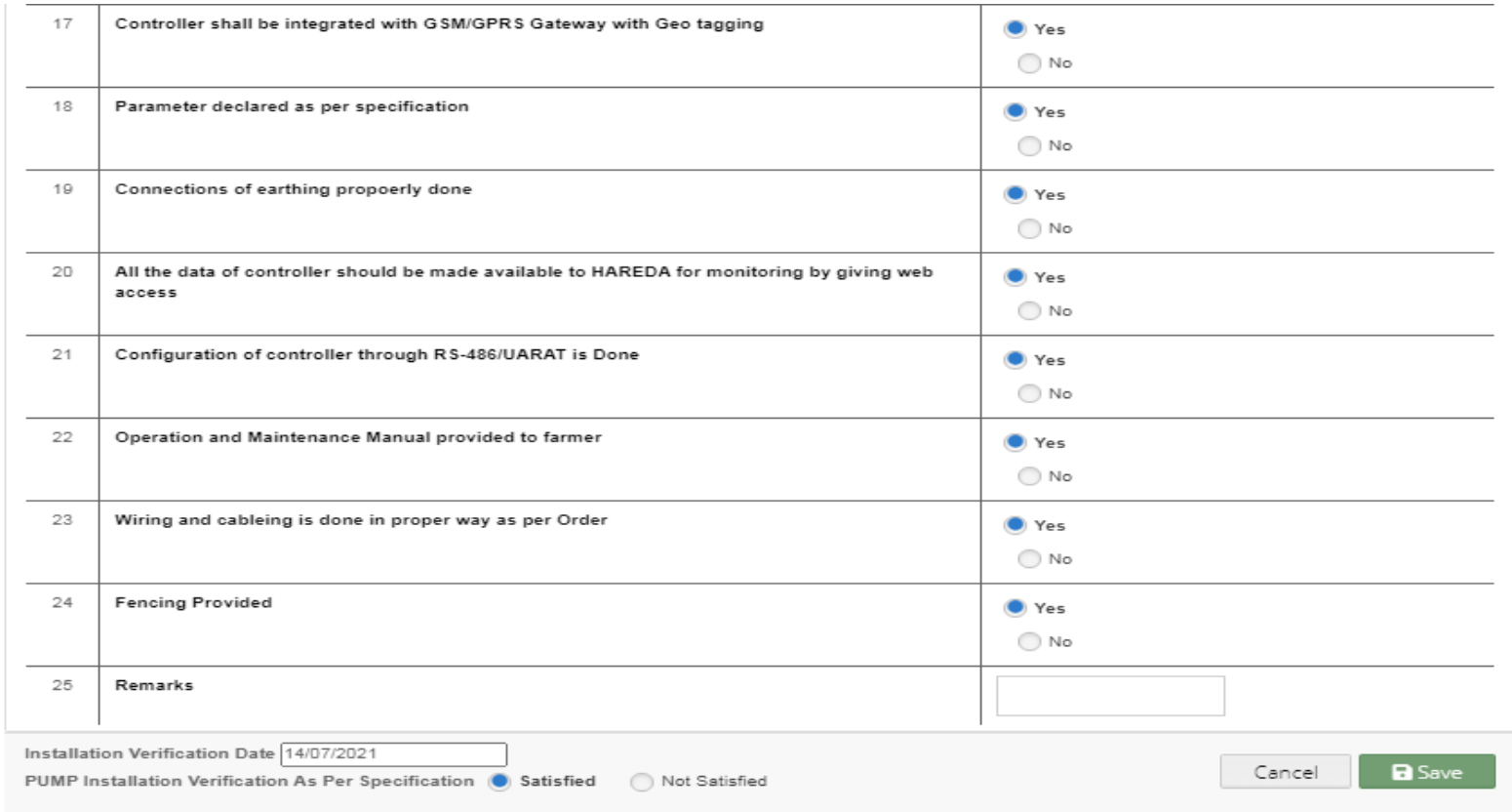


FIGURE 160 SITE INSPECTION CHECKLIST

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

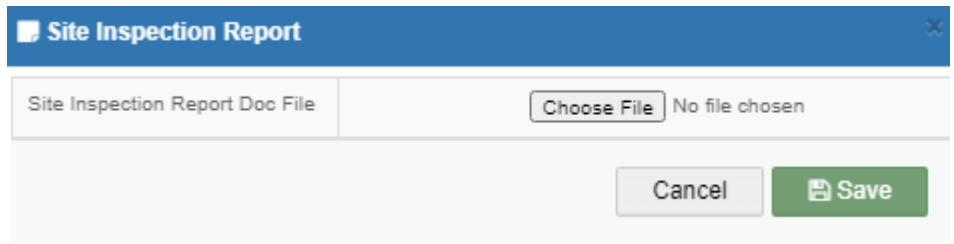


FIGURE 161 INSTALLATION REPORT UPLOAD SCREEN

21. PCR (PROJECT COMPLETION REPORT)

- SIA User can download the PCR (Project Completion Report) by clicking on “Download Installation Report (PCR)” (highlighted in pink in Figure 159) in which following details of consumer/farmer will be available. (refer Figure 162)

  - Consumer/Farmer Details
  - Installed Pump Details
  - Project Progress
  - Site Survey Details
  - Financial Information
  - Asset Details
  - RMS Connectivity Details
  - PDI - Pump Check List
  - PDI - Solar Panel Check List
  - PDI - Pump Controller and RMS Check List
  - Site Inspection Check List
  - Four I & C uploaded photos

- Also the PCR can be downloaded by clicking on “PDF” button. (highlighted in in below Figure 162)

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

- PCR Report

PDF

Project Completion Report for Component-B under PM-KUSUM Scheme

Application No : /PM KUSUM-B/2091	Agency : Tata Power Solar Systems Limited

Consumer Details

Consumer Name	Nithyananthan		Ph : 9818997300
Correspondence Details			
District		Farm District	
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 , HS0318P7220078894 , 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	Yes No	Yes No	Yes No
2	Name Plate as per IS14286/IEC61215I	Yes No	Yes No	Yes 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	Yes No	Yes No	Yes No
4	Insulation Resistance Test as per IS Standard	Yes No	Yes No	Yes No
5	High Voltage Test as per IS Standard	Yes No	Yes No	Yes No
6	Leakage Current Test as per IS Standard	Yes No	Yes No	Yes No
7	Constructional requirement/features, General Requirements, Design features	Yes No	Yes No	Yes No
8	Indigenous manufactured for motor pump set	Yes No	Yes No	Yes No
9	Marking and Parameters to be declared by the Manufacturer	Yes No	Yes No	Yes No

PDI - Solar Panel Check List

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

PDI - Pump Controller and RMS Check List

No	Check List Name	Input	Deviation Declaration	Compliance Declaration
1	Maximum Power Point Tracker (MPPT)	Yes No	Yes No	Yes No
2	SPV Controller must have IP (65) protection	Yes No	Yes No	Yes No

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

Site Inspection Check List

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

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

Foundation

Structure

FIGURE 162 PROJECT COMPLETION REPORT

22. LIVE MONITORING

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

➢ Navigation Steps: -
1. Sign in on the State SEDM Portal
2. Click on the 'Live Monitoring' option on the Title Bar of the SEDM Portal Dashboard
3. Navigate "Dashboard" (as shown in Figure 163)

- Sign In >> Live Monitoring >> Dashboard

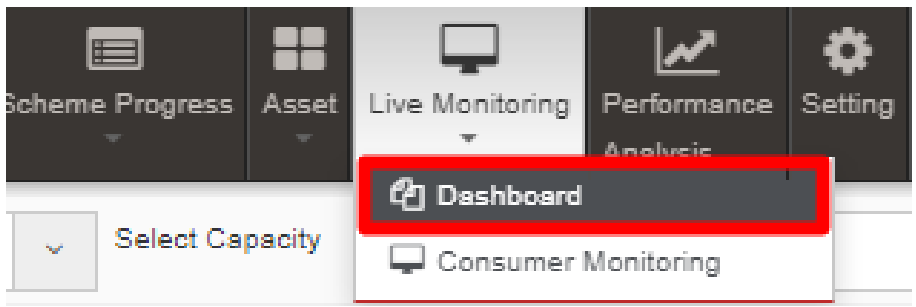


FIGURE 163 LIVE MONITORING DASHBOARD OPTION

➢ **Live Monitoring Dashboard Screen**

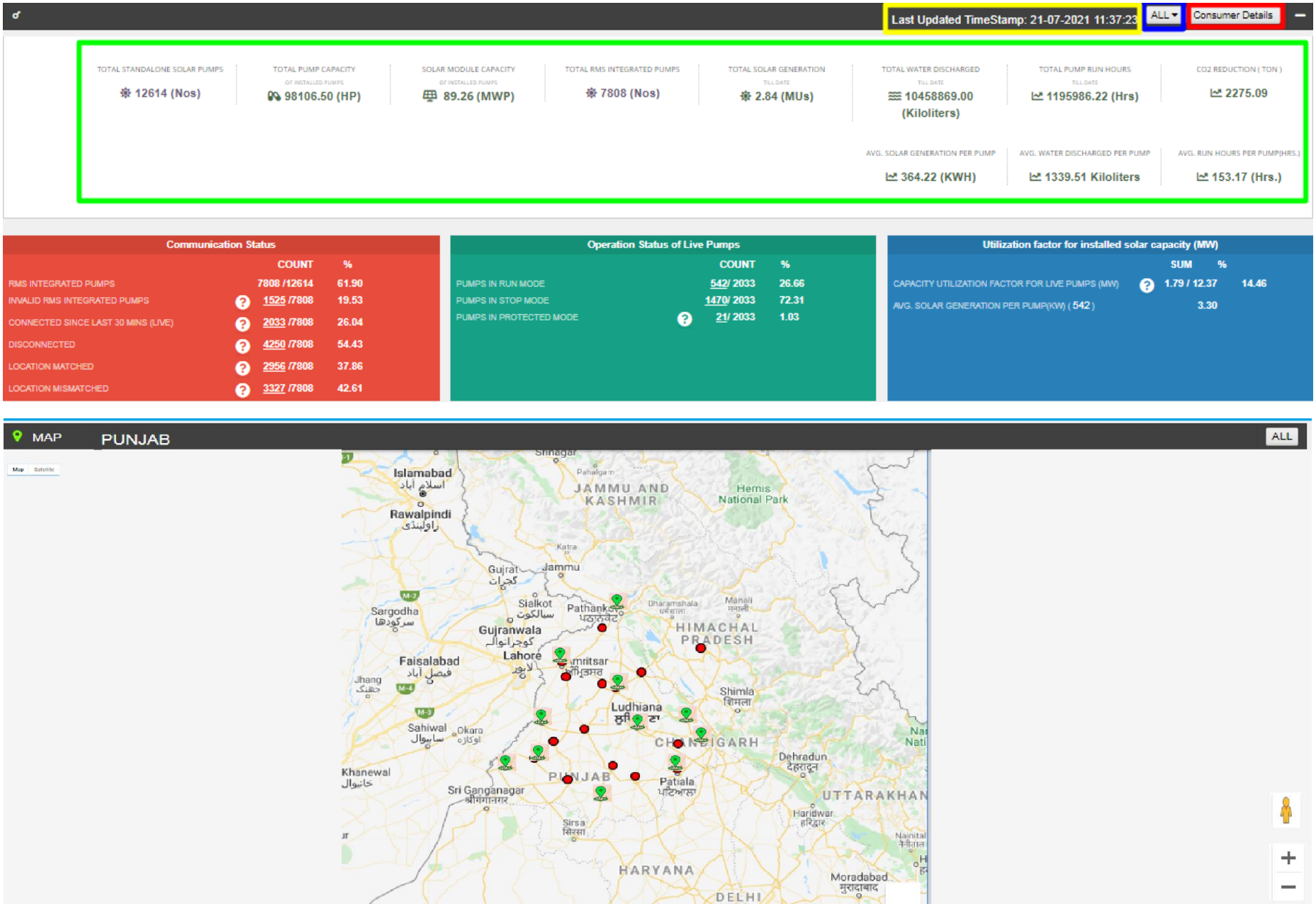


FIGURE 164 LIVE MONITORING DASHBOARD

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

It is the start date when the system became operational.

  - This time stamp updates every 15 minutes in Live Monitoring Dashboard on State SEDM Platform and consequently, data of live monitoring dashboard gets updated every 15 minutes.
- **Empanelled Agency Filter** (highlighted in blue in above Figure 164)
  - User can view live monitoring dashboard data of all empanelled agencies or else, can view data empanelled agency wise also by filtering out empanelled agency.
- **Consumer Details** (highlighted in red in above Figure 164)
  - By clicking on the “Consumer Details” button, user can view a screen where the consumer details as well as their corresponding RMS details (last updated) will be displayed and can also edit consumer’s RMS latitude-longitude in this screen only just for once.

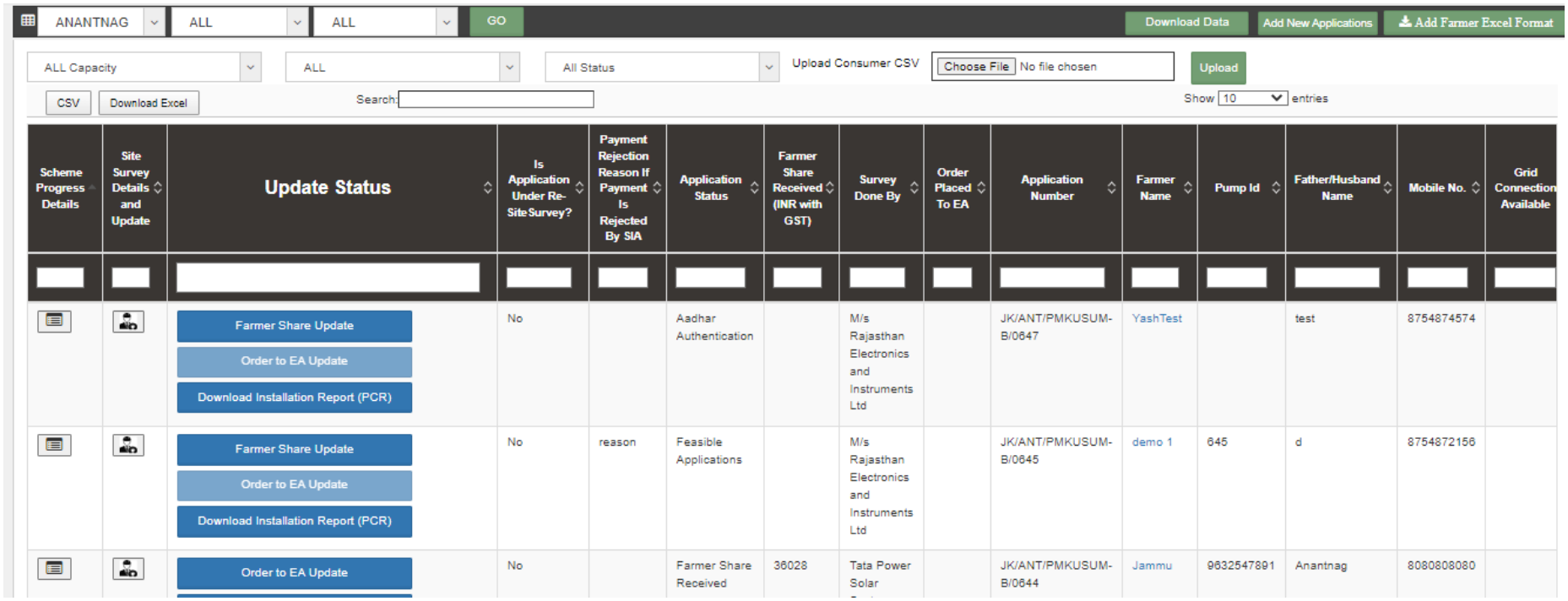


FIGURE 165 CONSUMER DETAILS (I)

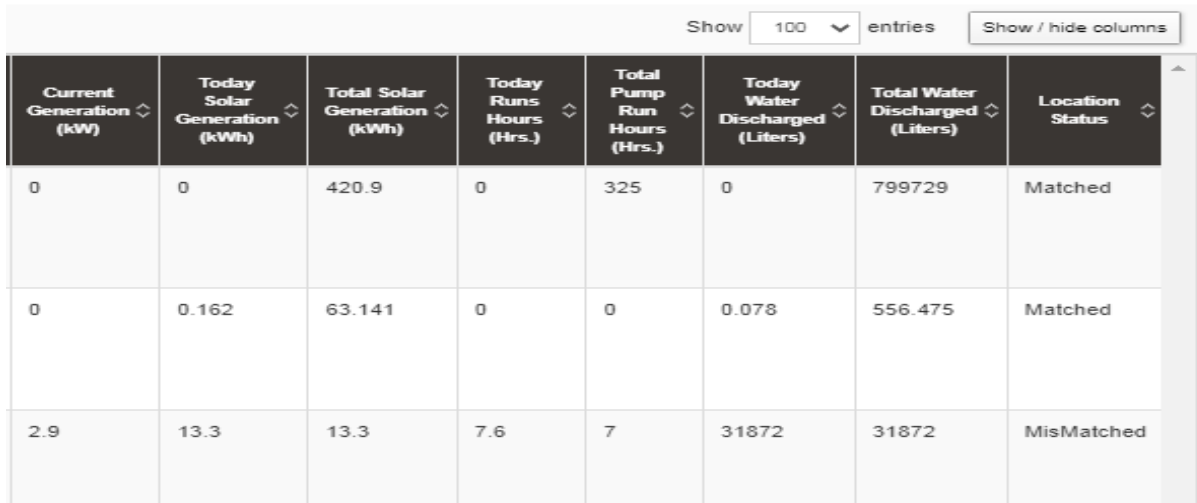


Figure 166 Consumer Details (ii)

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

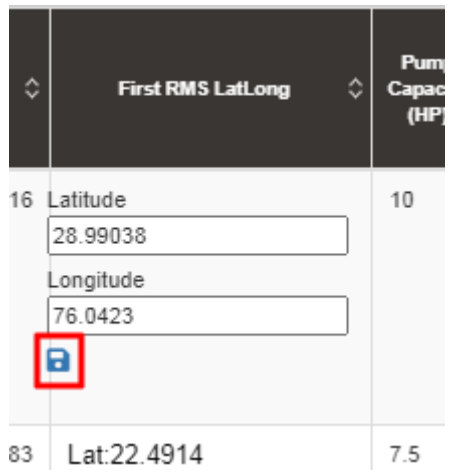


FIGURE 167 UPDATE RMS LATITUDE - LONGITUDE

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

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

- Below are the parameters covered in Live monitoring dashboard (highlighted in green in above Figure 164) :

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

- Formula : Total Water Discharge / Total RMS Integrated pumps

11. Avg. Run Hours

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

- Live Monitoring has three different coloured boxes (Red, Green and Blue as shown in Figure 164) are explained in below Table 49.

TABLE 49 LIVE MONITORING – EXPLANATION OF THREE BOXES

Box Name (Colour)	Sub Status	Description	Refer Figure 164 for below figures as an example
Communication Status (Red Box)	RMS Integrated Pumps	Displays Total RMS Integrated Pumps out of Total Pumps whose current status is Installation & Commission Done	**7808** (Total RMS Integrated pumps) **/ 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 168) out of total no. of pumps	**21** (Invalid Pumps) / **2033** (Pumps connected since last 30 minutes)

		that are connected since 30 minutes (sub status given in red box)	
Utilization Factor for installed solar capacity (MV) (Blue Box)	Capacity Utilization Factor For Live Pumps (MV)	Displays total SPV capacity (MW) produced of total no. of pumps (currently in run mode - sub status given in green box) out of total SPV capacity as mentioned in the EA rate card (click **here** to know about SPV capacity as per EA rate card)	**1.79** (total SPV capacity (MW) produced of total no. of running pumps) **/ 12.37** (total SPV capacity as mentioned in the EA rate card) **1.79 / 12.37 * 100** = **14.46 %** (percentage shown in blue box of live monitoring dashboard in Figure 164)
	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	

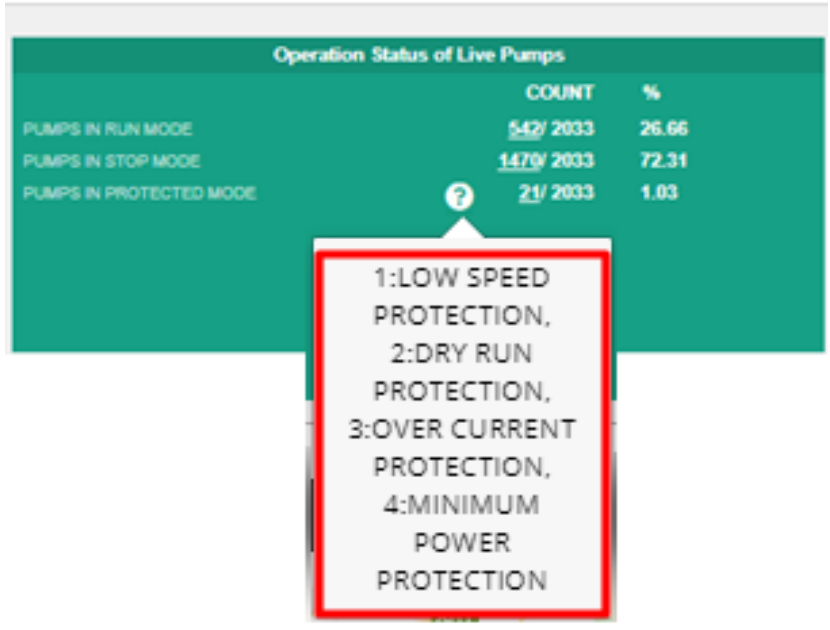


FIGURE 168 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD

- Below are the brief points covered under map of Live Monitoring dashboard:
  - **Monitoring of Live Parameters on Dashboard with Map View**
  - **Navigation:**
    - It is possible to navigate from state to district to individual Consumer/Farmer on a single page in the map view.
    - At state and district level, summary of parameters are displayed in a pop-up window.
  - By clicking upon the green location icon on map (shown in Figure 164), a screen (refer) will open that covers the following list of Important Parameters of particular district**:**

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

- By clicking upon district name, user will get a broad view of selected district in which consumers/farmers of that district (in terms of green and red location icons, as shown in below Figure 169) will be displayed.
  - Green Icon (Live) - Consumer/Farmer's Solar Pump that is connected since 30 minutes.
  - Red Icon (Not Live) - Consumer/Farmer's Solar Pump that is disconnected.
- User can filter out the view by selecting any of the three status of Solar Pump. (highlighted in yellow in below Figure 169)
- Also user can navigate back to the state view by clicking on state name. (highlighted in red in below Figure 169)

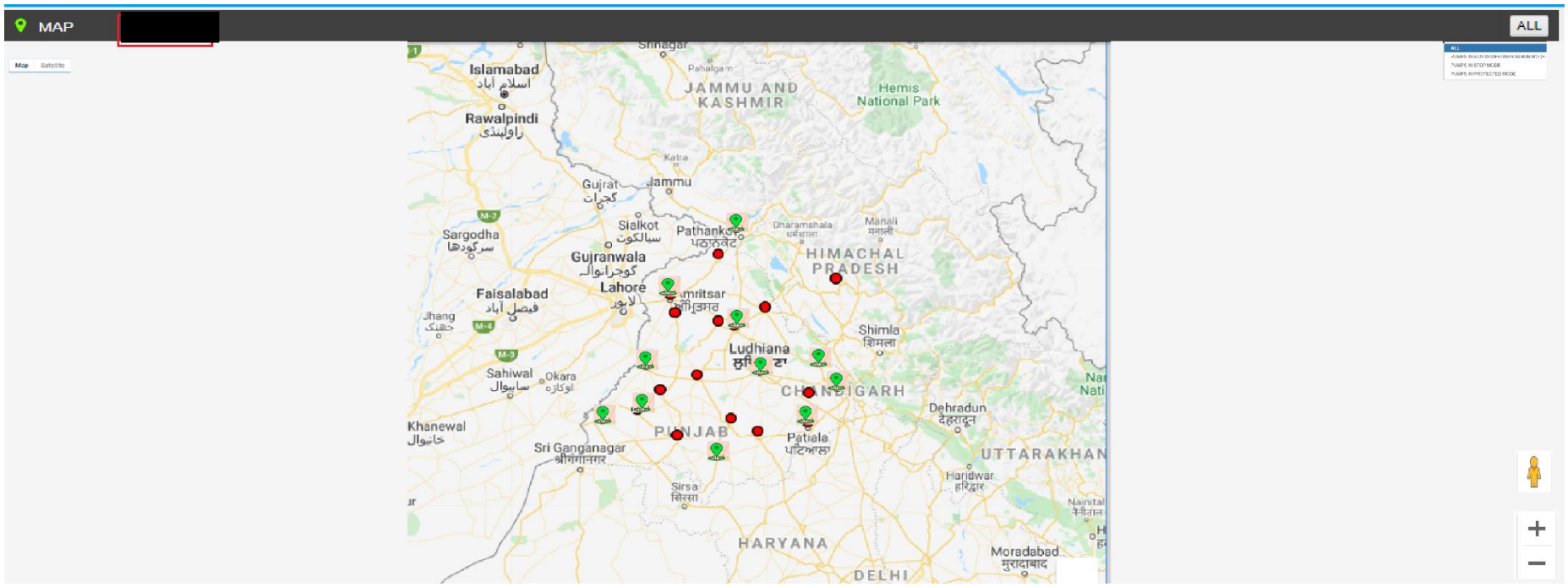


FIGURE 169 BROAD VIEW OF CONSUMER/FARMER OF SELECTED DISTRICT

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

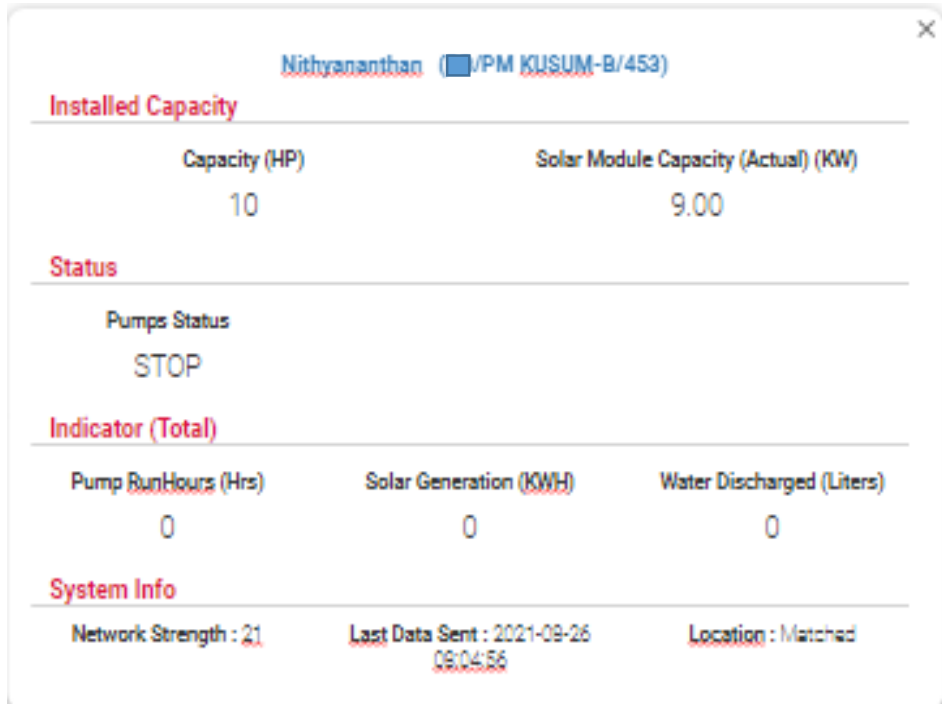


FIGURE 170 CONSUMER/FARMER SOLAR PUMP STATISTICS

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

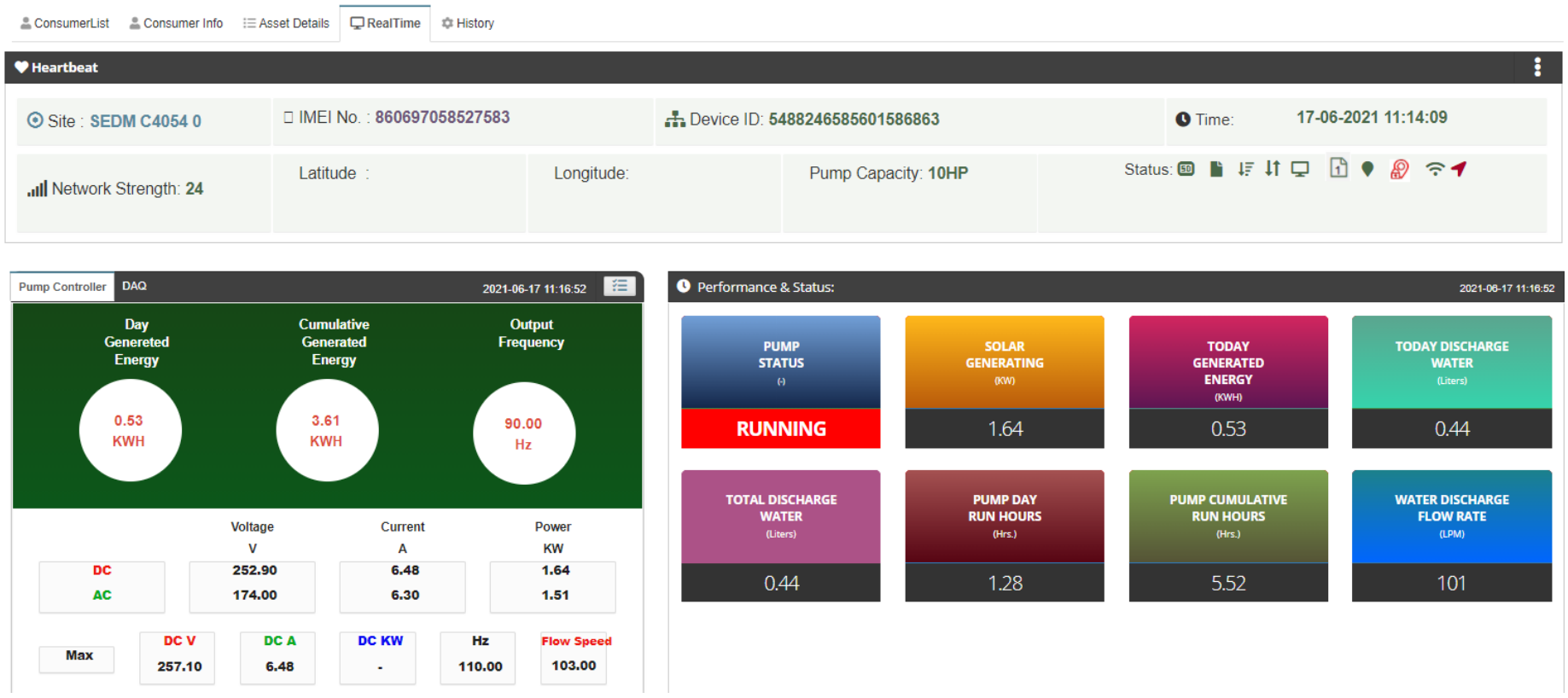


FIGURE 171 REAL TIME VIEW OF THE CONSUMER/FARMER

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 172)

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

➢ State Level Performance Analysis

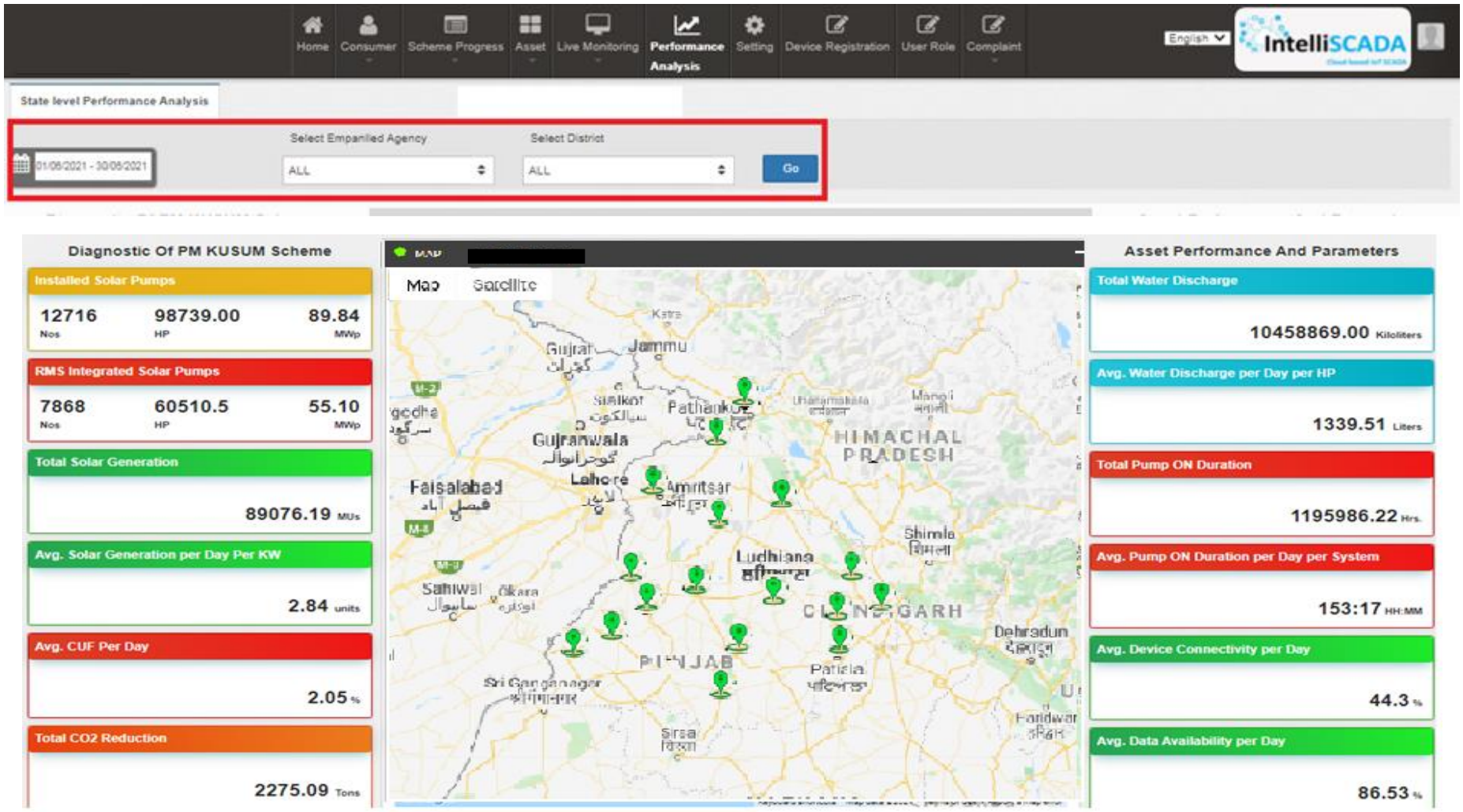
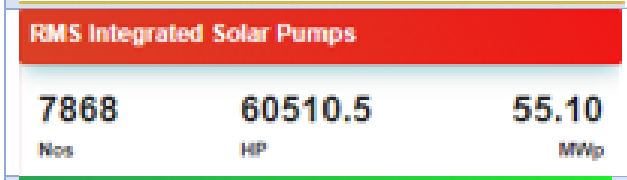
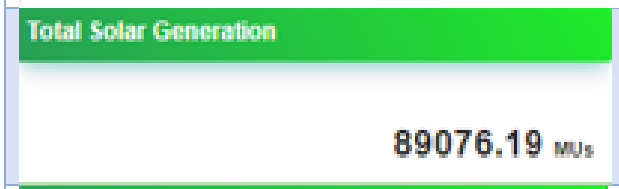
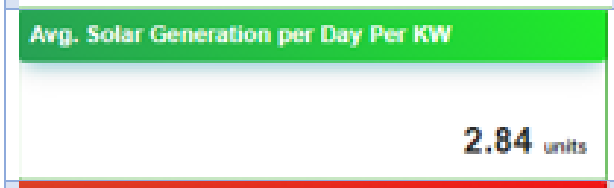
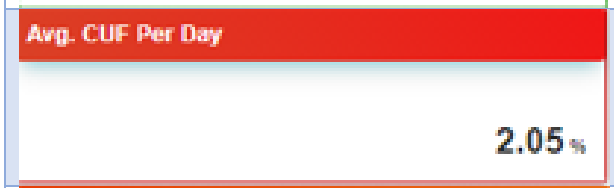
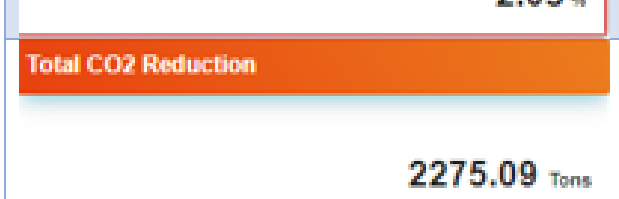
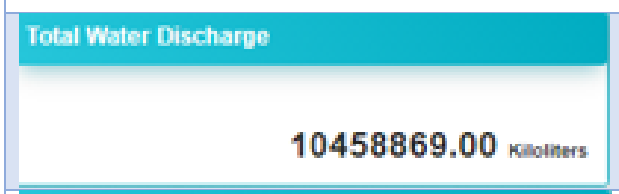
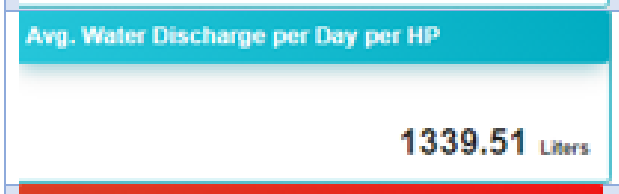
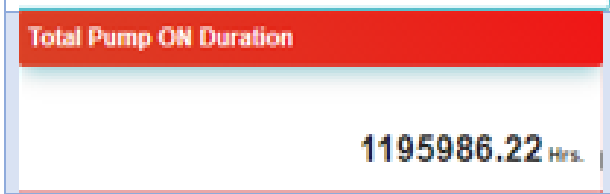
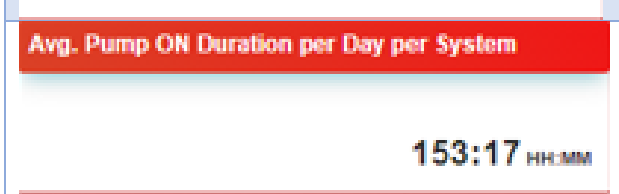
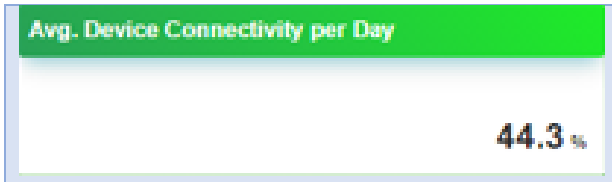
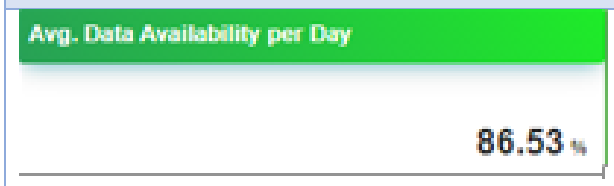


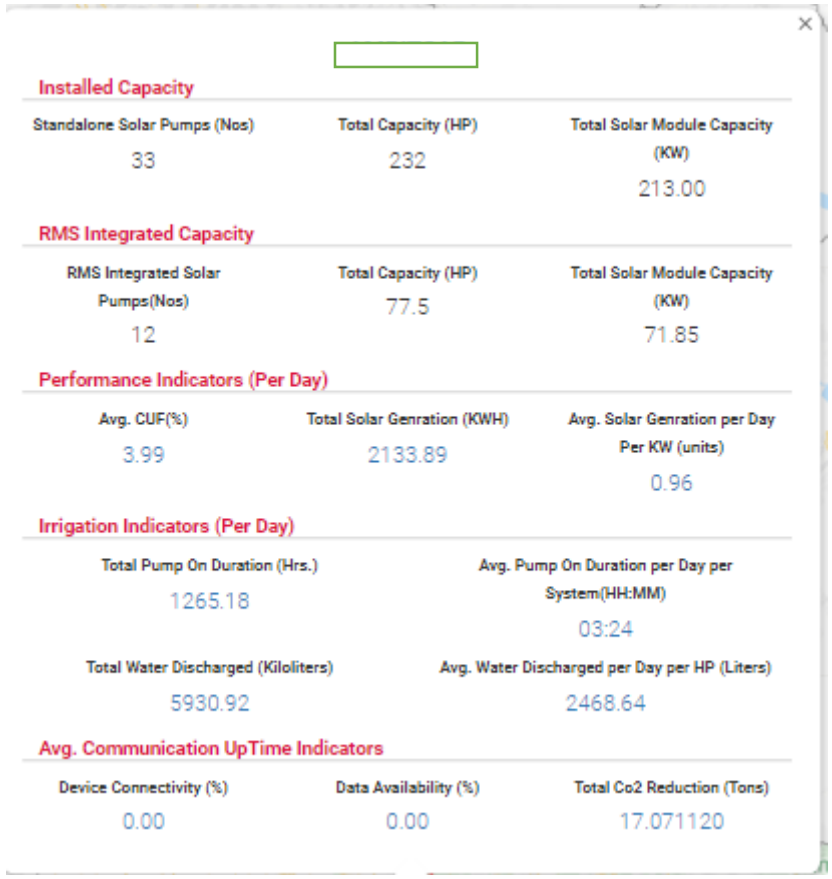
FIGURE 172 STATE LEVEL PERFORMANCE ANALYSIS

TABLE 50 PERFORMANCE ANALYSIS STATICS CALCULATIONS AND DESCRIPTION

Performance Analysis Statistics	Calculation	Description
	- **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"
	- **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)
	- Cumulative Sum of total solar generation (KWh) according the selected days in date range **/** 1000000 (to convert in MUs)	It is calculated as per : 1MWp = 1000 KWp 1KWp = 1000 watts (1kwh/1000000)=MUs
	- Total Solar Generation **/** (selected no. of days in date range ***** Total capacity of RMS Integrated Pumps (HP))	It is calculated considering Total Solar generation, Sum of total Capacity of RMS Integrated Pumps and Date range (no. of days)
	- Total Solar Generation **/** (Total capacity of RMS Integrated Pumps (HP) ***** selected no. of days in date range) ***** 100 = (value in %)	It is calculated consider the no. of units generated per day, solar generation (kWp) and 24 hours (to calculate avg per day)
	- Total Solar Generation **/** 1000000 (MUs) ***** 800 = (value in Tons)	This calculation consider Total Solar Generation and convert it into Tons by dividing the value by 10,00,000
	- Cumulative Sum of total water discharged according to the capacity of total RMS Integrated Pumps	This calculations will be Cumulative considering total units generated per HP and sum of total capacity (HP)
	- Total water discharge **/** 30 (days selected in date range) **/** total rms integrated pumps capacity (HP)	This calculations will be Cumulative considering total water discharge, selected days in date range and total capacity (HP) of RMS Integrated Pumps
	- Sum of total running hours of RMS Integrated Pumps according to the selected no. of days in date range	This calculations will be Cumulative considering total running hours of RMS Integrated Pumps and selected days in date range
	- Total Pump ON Duration **/** 30 (selected no. of days in date range) **/** Total no of RMS Integrated Pumps = (value in HH:MM)	This calculation will be Cumulative considering Total running hours of RMS Integrated Pumps, no. of days selected in date range and total no. of RMS Integrated Pumps

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

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



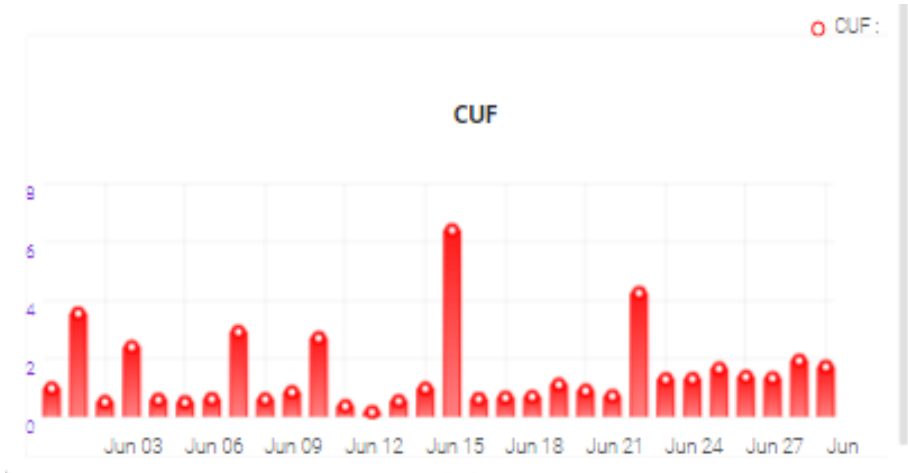


FIGURE 173 DISTRICT STATISTICS

- 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 174) will be displayed.
  - Green Icon (Live) - Consumer/Farmer's Solar Pump that is connected since 30 minutes.
  - Red Icon (Not Live) - Consumer/Farmer's Solar Pump that is disconnected.
- Also user can navigate back to the state view by clicking on state name. (highlighted in red in below Figure 174)

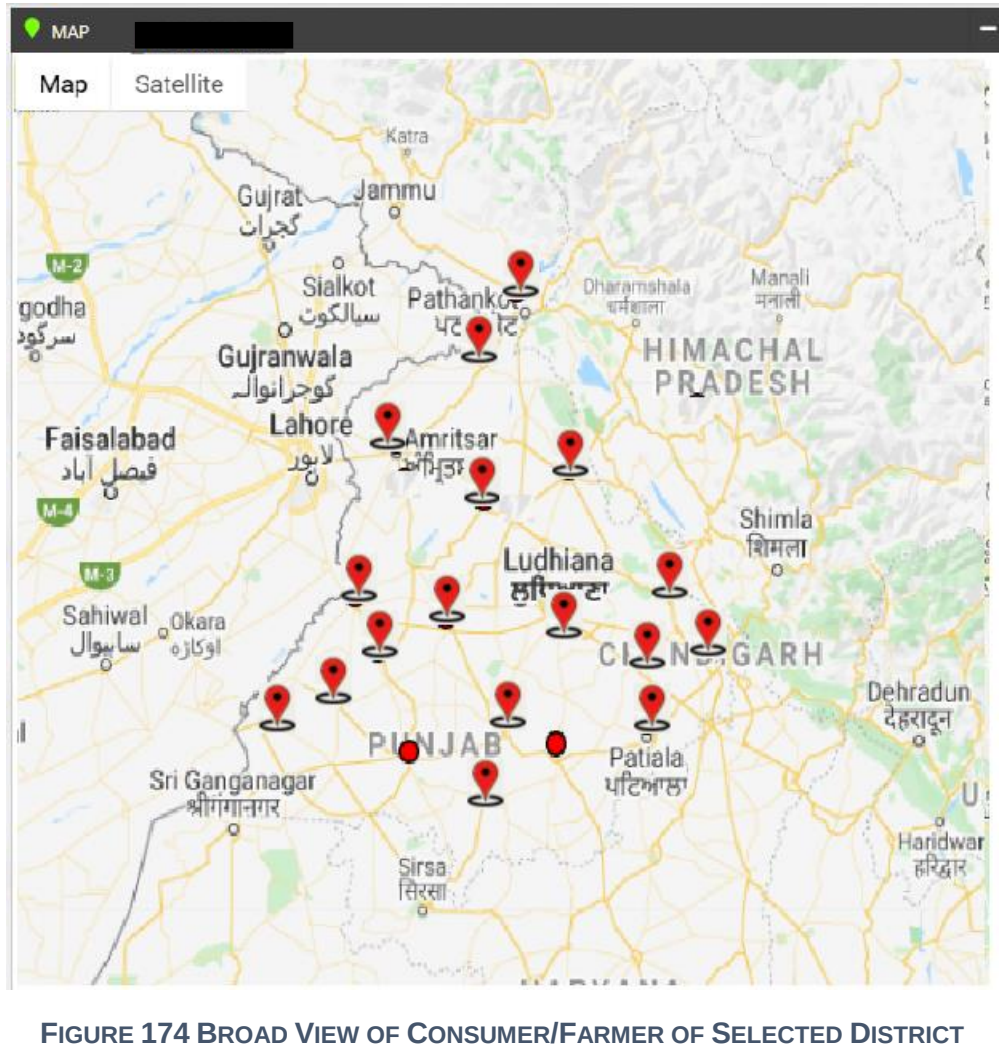


FIGURE 174 BROAD VIEW OF CONSUMER/FARMER OF SELECTED DISTRICT

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

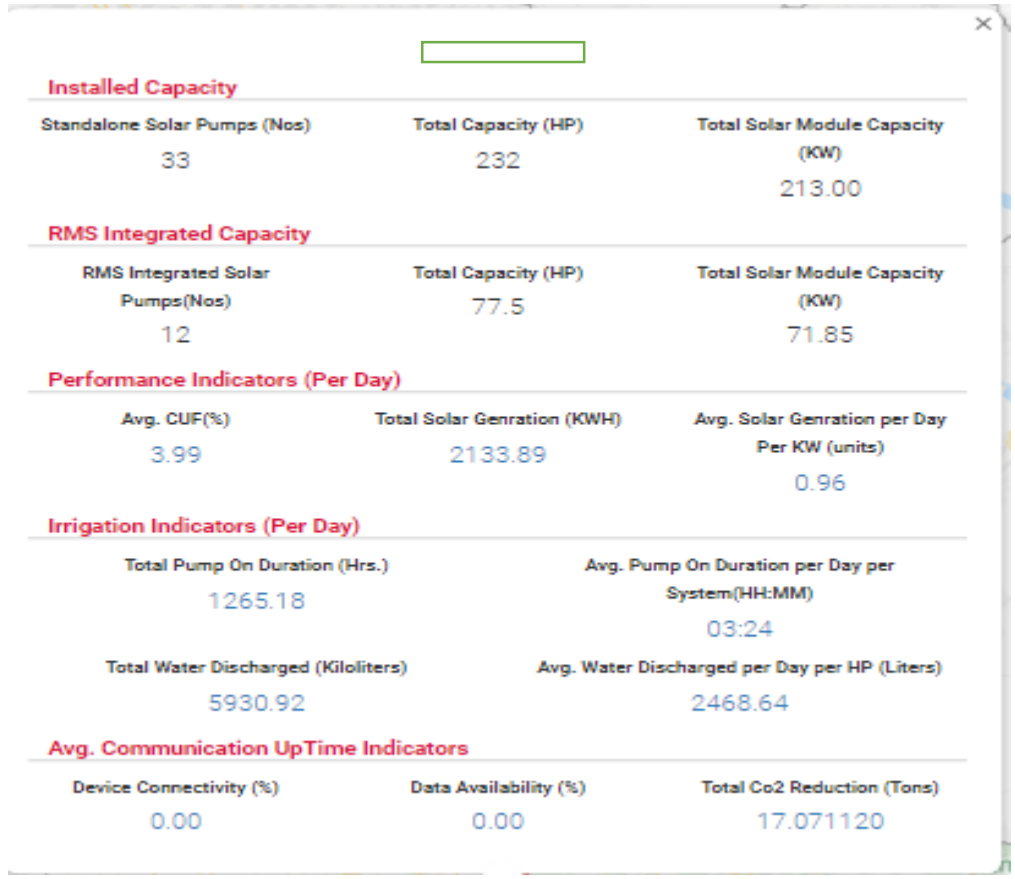


FIGURE 175 CONSUMER/FARMER SOLAR PUMP STATISTICS

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

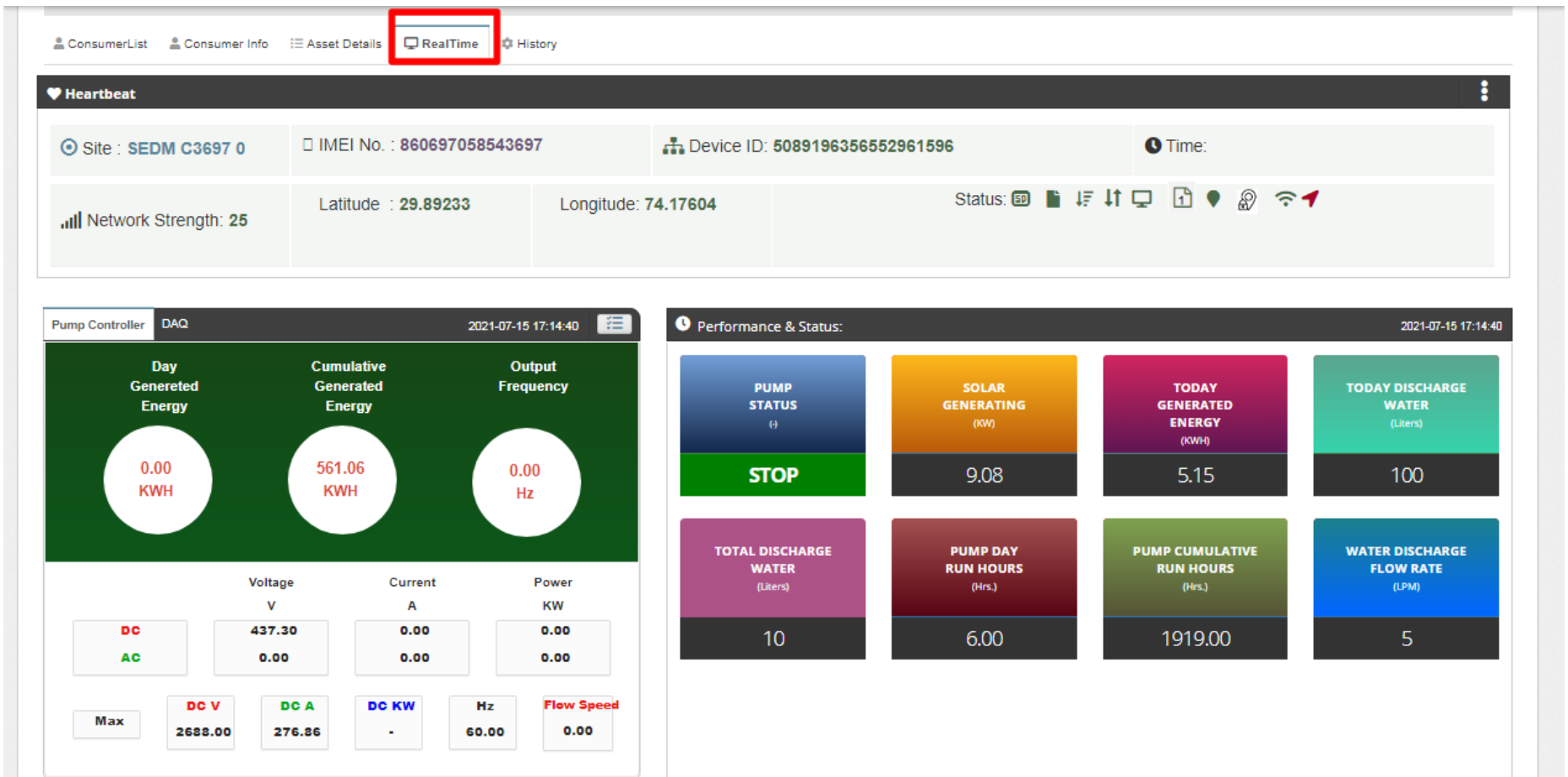


FIGURE 176 REAL TIME VIEW OF THE CONSUMER/FARMER

24. SUMMARY

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

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

- Sign In >> Consumer/Farmer >> Summary

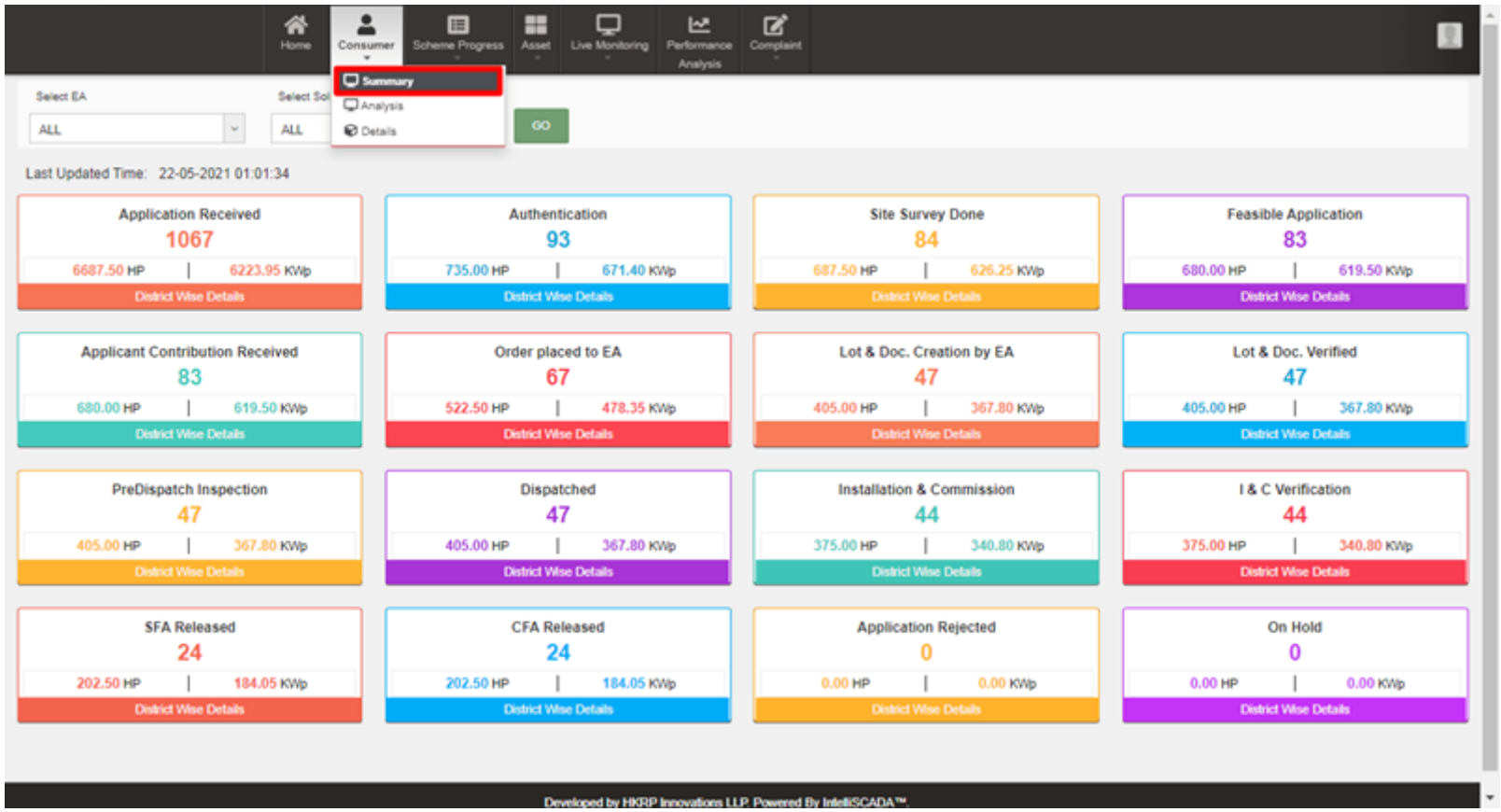
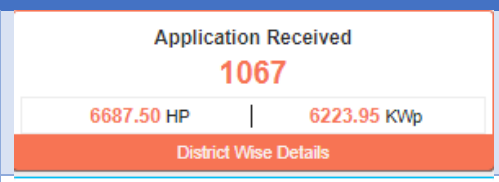
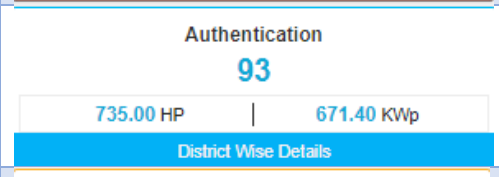
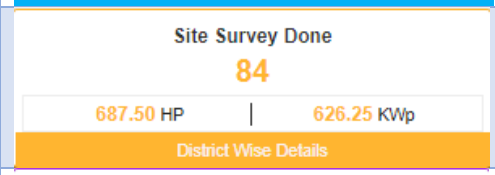
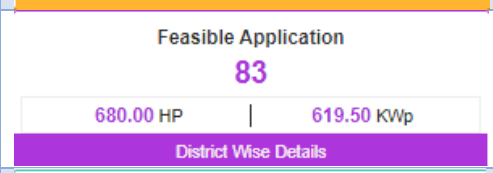
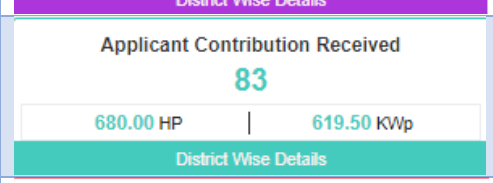
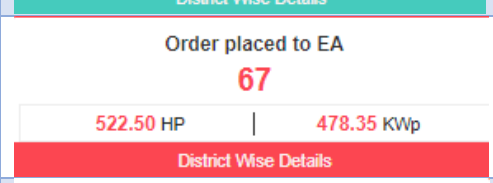
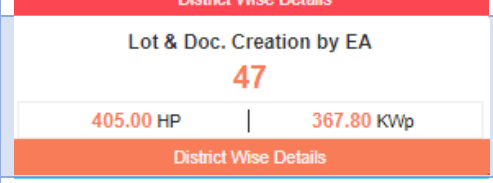
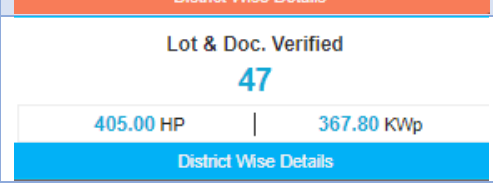


FIGURE 177 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD

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

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

Status	Image	Description	Want to know how to change status? (Click Ctrl + Click)
Application Received		This box indicates the total number of consumer/farmer applications received.	Click here
Aadhar Authentication		This box indicates the total number of Aadhar authenticated consumers/farmers.	**Refer Table 34**
Site Survey Done		This box indicates the total number of consumers/farmers whose status "Site Survey Done" is updated.	Click here
Feasible Application		This box indicates the total number of consumers/farmers whose application is accepted by the authorized user.	Click here
Farmer Share Received		This box indicates the total number of consumers/farmers whose contribution is received.	Click here
Order Placed to EA		This box indicates the total number of consumers/farmers whose application is assigned to the Empanelled Agency.	Click here
Lot & Doc. Creation by EA		This box indicates the total number of consumers/farmers whose status is changed to "Lot & Doc. Creation by EA".	Click here
Lot & Doc. Verified		This box indicates the total number of consumers/farmers whose status is changed to "Lot & Doc. Verified".	Click here

Pre Dispatch Inspection (PDI)	PreDispatch Inspection 47 405.00 HP | 367.80 KWp District Wise Details	This box indicates the total number of consumers/farmers whose status is changed to “Pre Dispatch Inspection”.	Click here
Dispatched	Dispatched 47 405.00 HP | 367.80 KWp District Wise Details	This box indicates the total number of consumers/farmers whose status is changed to “Dispatched”.	Click here
Installation & Commission (I&C)	Installation & Commission 44 375.00 HP | 340.80 KWp District Wise Details	This box indicated the total number of consumers/farmers whose status is changed to “Installation & Commission”.	Click here
I & C Verification	I & C Verification 44 375.00 HP | 340.80 KWp District Wise Details	This box indicates the total number of consumers/farmers, when authorized person changes the status “I & C Verification” of consumers/farmers.	Click here
SFA (State Financial Assistance) released	SFA Released 24 202.50 HP | 184.05 KWp District Wise Details	This box indicates the total number of consumers/farmers whose State fund is released by the authorized user.	Click here
CFA (Central Financial Assistance) released	CFA Released 24 202.50 HP | 184.05 KWp District Wise Details	This box indicates the total number of consumers/farmers whose Central fund is released by the authorized user.	Click here
Application on Hold	On Hold 0 0.00 HP | 0.00 KWp District Wise Details	This box indicates the total number of consumers/farmers whose application is on Hold by the authorized user.	Click here
Application Rejected	Application Rejected 0 0.00 HP | 0.00 KWp District Wise Details	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 178), depending on their analytical requirement or data studying.

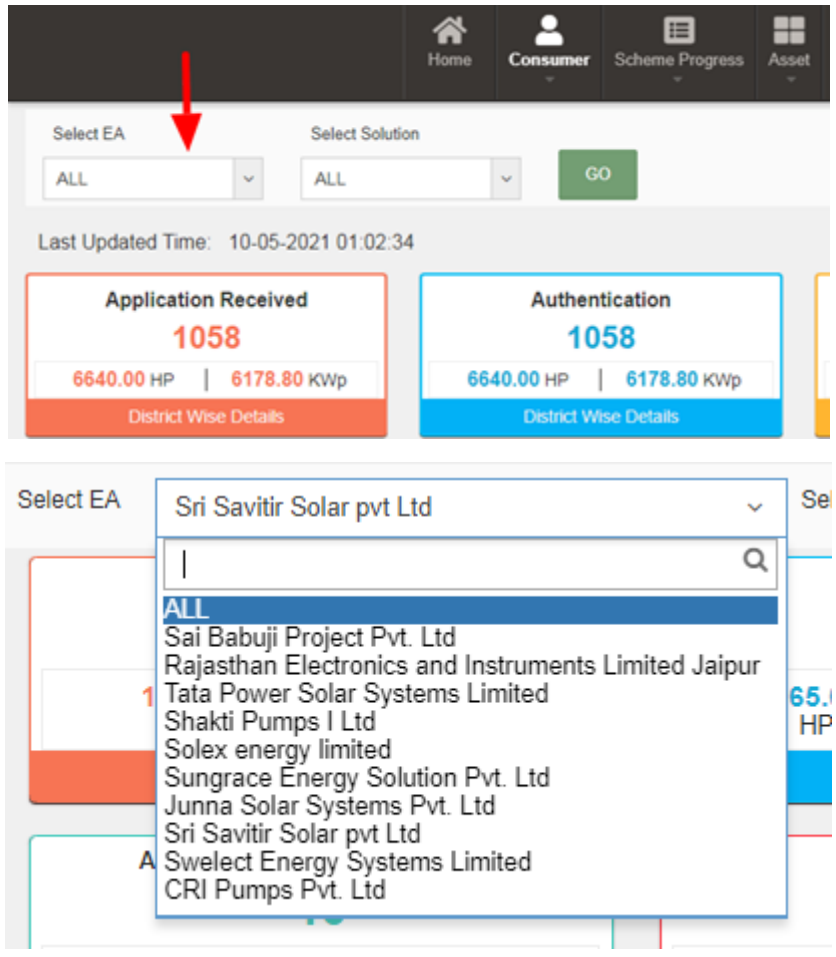
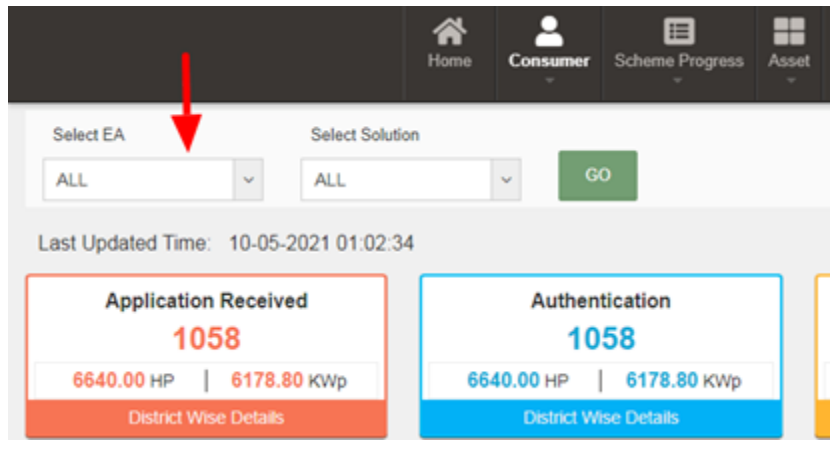


FIGURE 178 EA SELECTION OPTION IN 'SELECT EA' FILTER

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



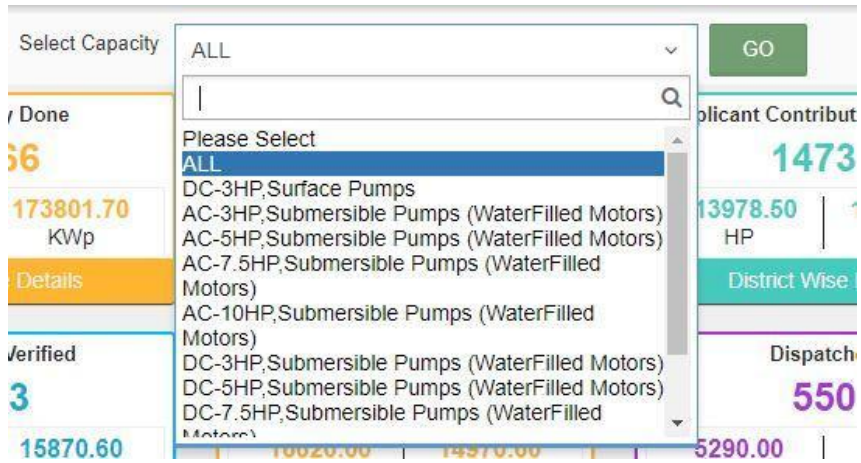


FIGURE 179 CAPACITY OPTIONS IN 'SELECT CAPACITY' FILTER

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

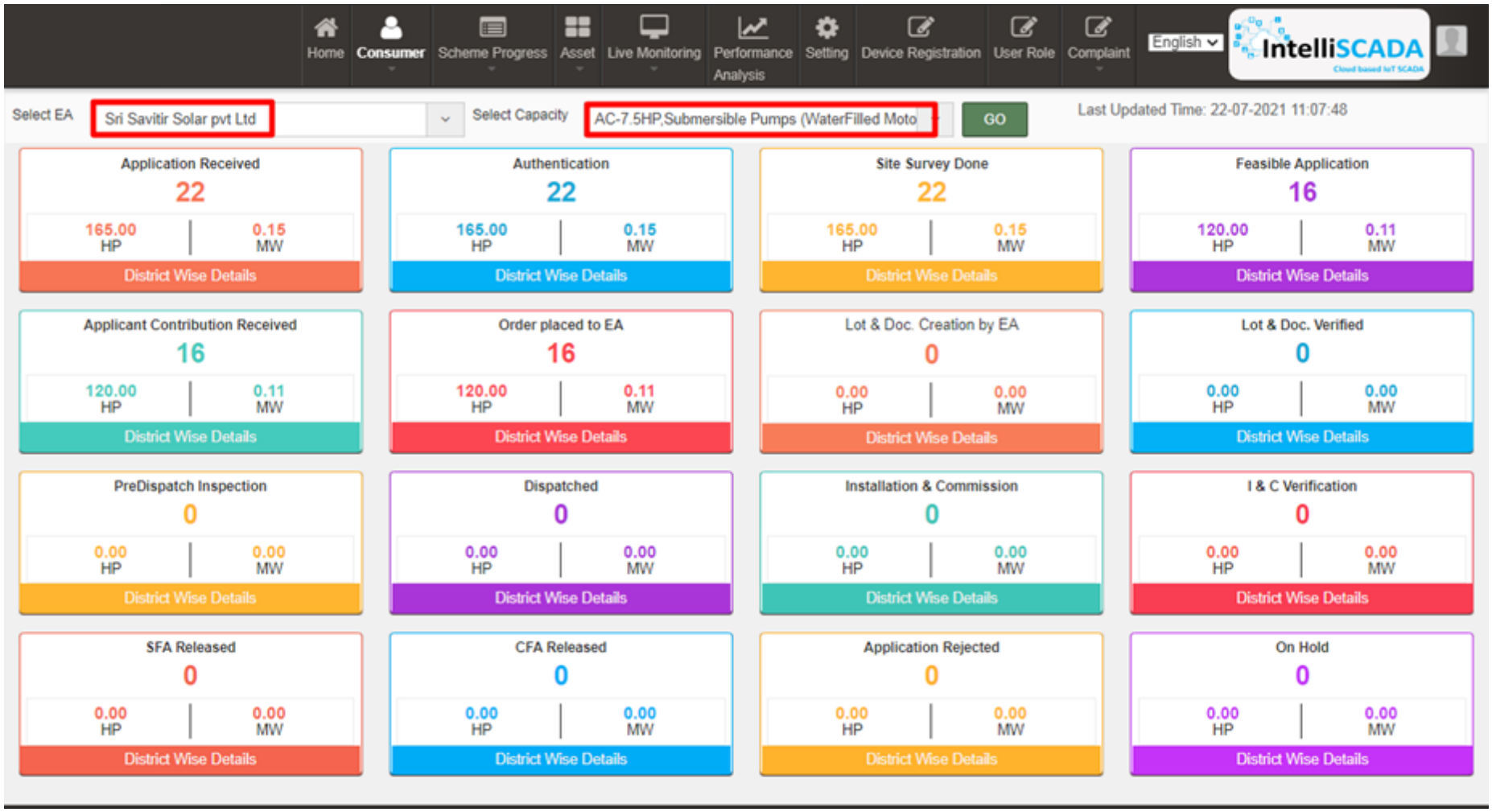


FIGURE 180 APPLIED FILTER: SRI SAVITIR SOLAR PVT LTD (EA), AC-7.5HP, SUBMERSIBLE PUMPS (WATERFILLED MOTORS)

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

FIGURE 181 INDIVIDUAL APPLICATION STAGE

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

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

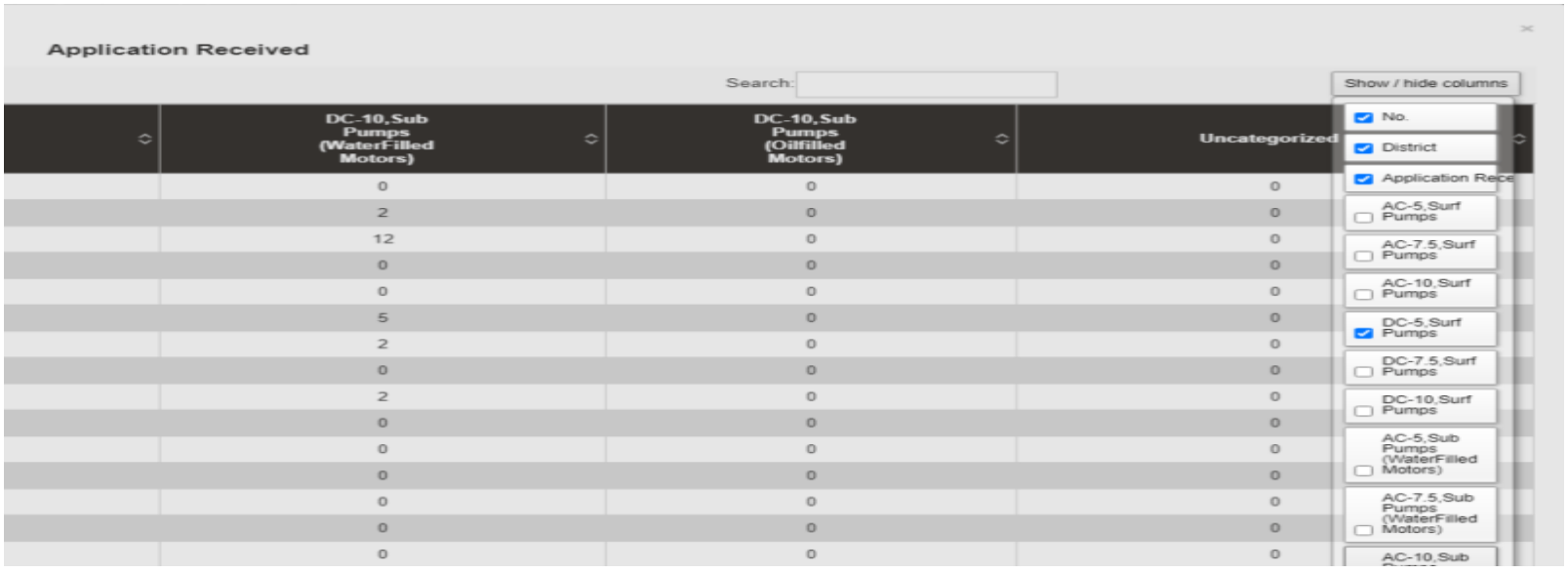


FIGURE 182 Show / Hide columns filter

- Additionally, users can search for their specific division or sub-division by inputting the relevant search query in the 'Search' dialogue box. (highlighted in red in below Figure 183)

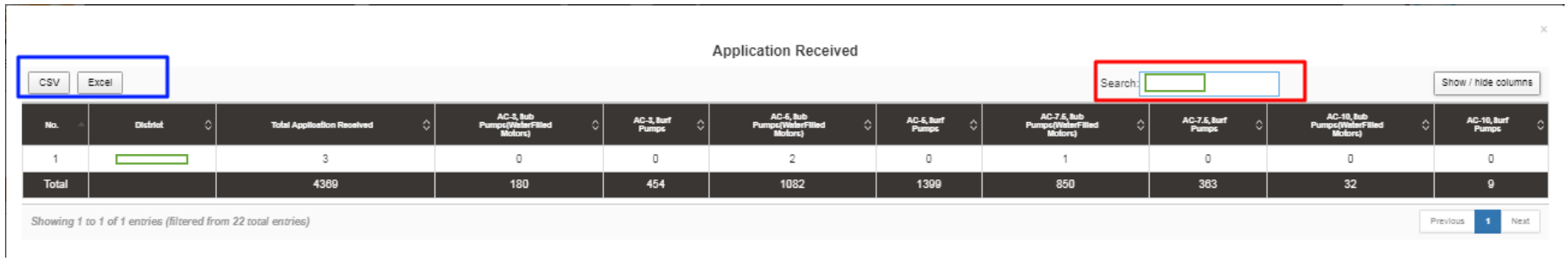


FIGURE 183 USING "SEARCH" FILTER TO LIST DOWN ALL ENTRIES FOR DISTRICT = AMRITSAR

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

25. CONSUMER/FARMER MANAGEMENT ANALYSIS

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

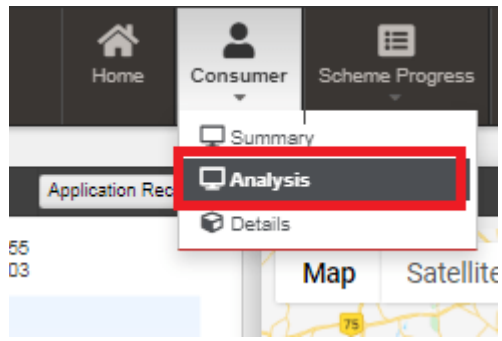


FIGURE 184 CONSUMER/FARMER MANAGEMENT ANALYSIS OPTION SELECTED ON CONSUMER/FARMER DASHBOARD

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

- Sign In >> Consumer/Farmer >> Analysis

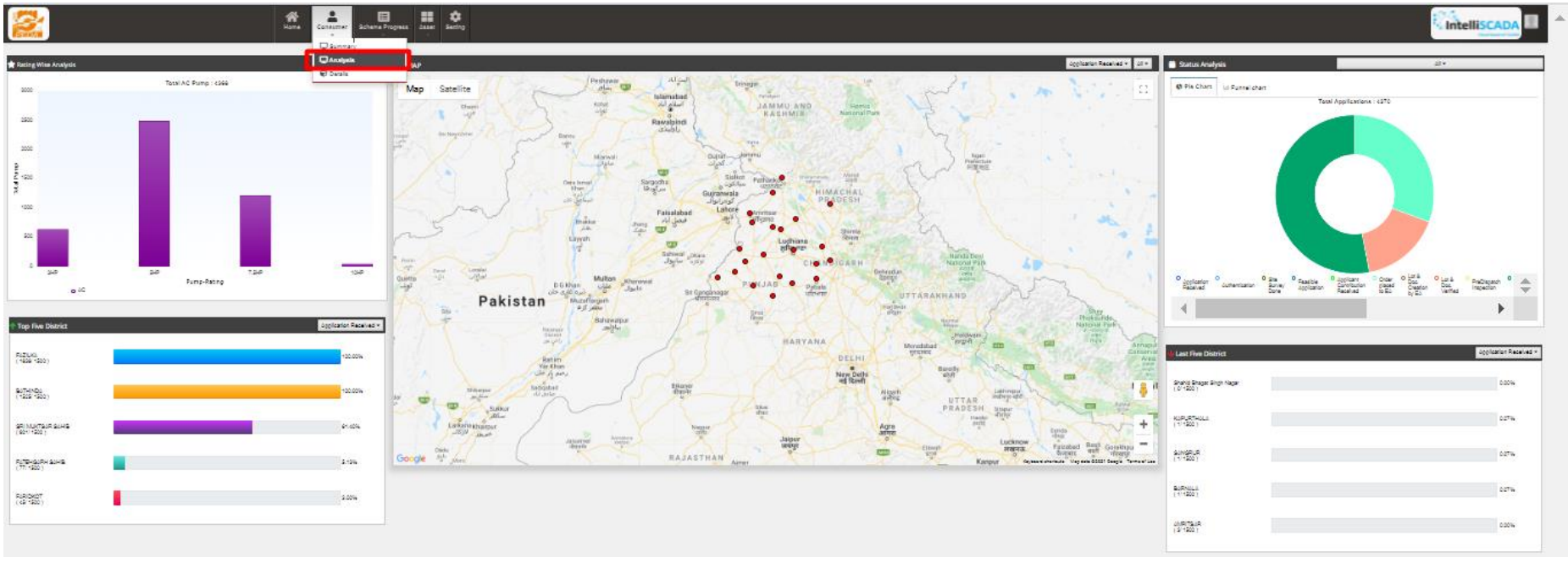


FIGURE 185 CONSUMER/FARMER ANALYSIS DASHBOARD

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

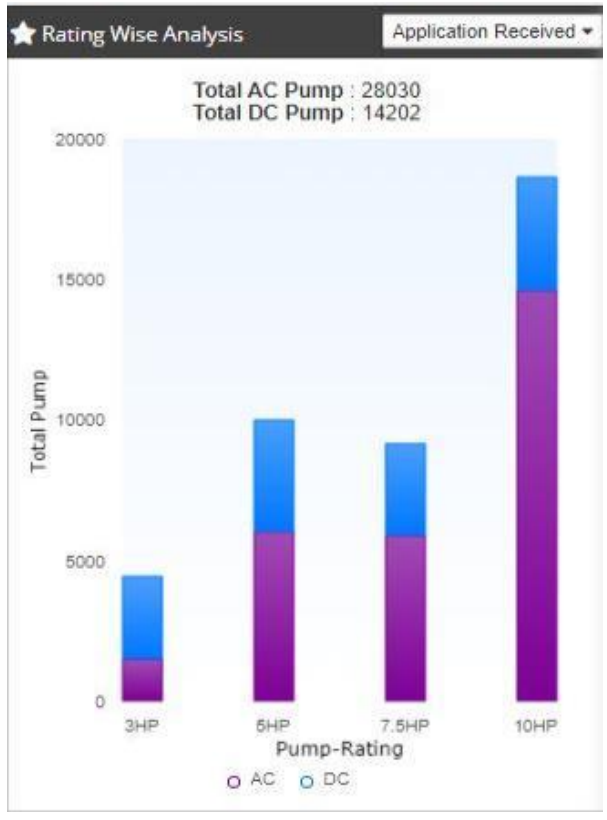


FIGURE 186 FILTER APPLIED: APPLICATION RECEIVED

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

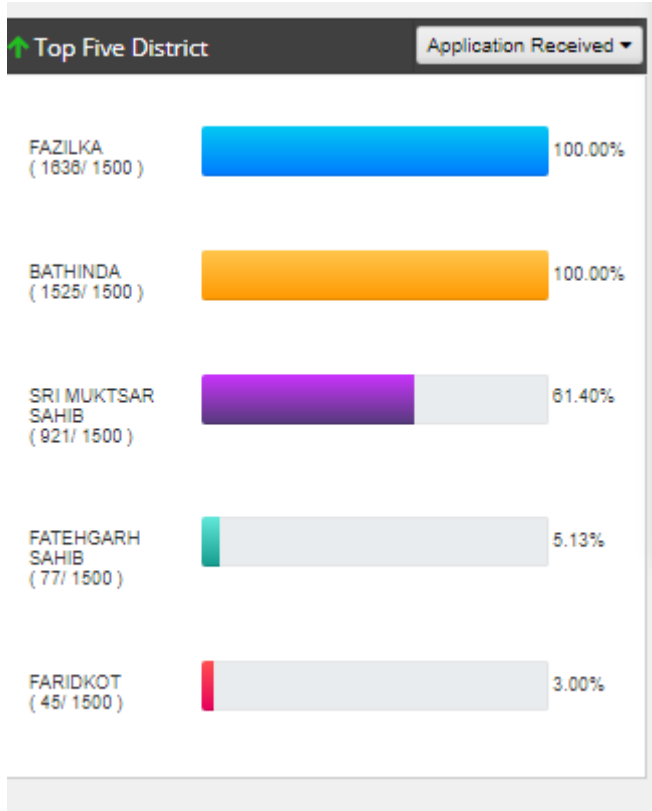


FIGURE 187 FILTER APPLIED: FEASIBLE APPLICATION

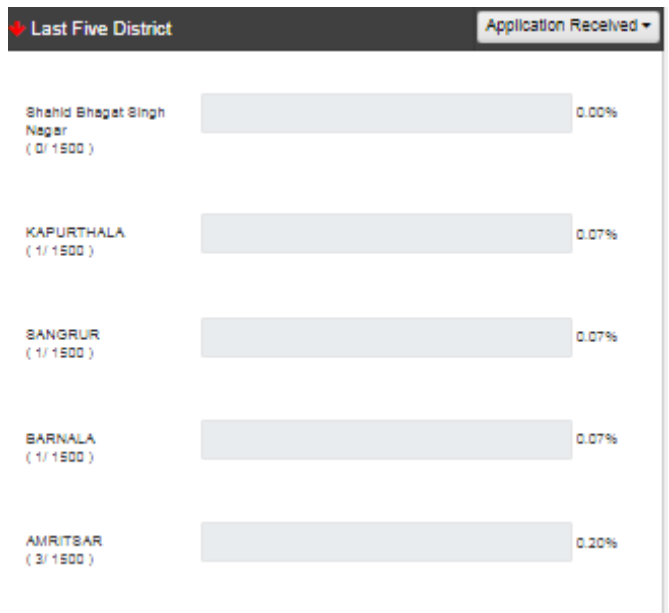


FIGURE 188 FILTER APPLIED: APPLICATION RECEIVED

- 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.

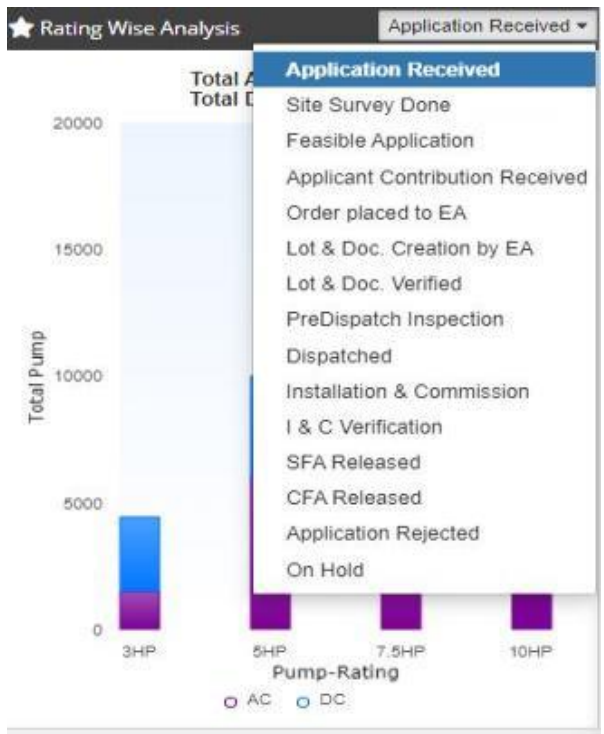


FIGURE 189 FILTER OPTIONS FOR ANALYSIS GRAPHS

- 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.

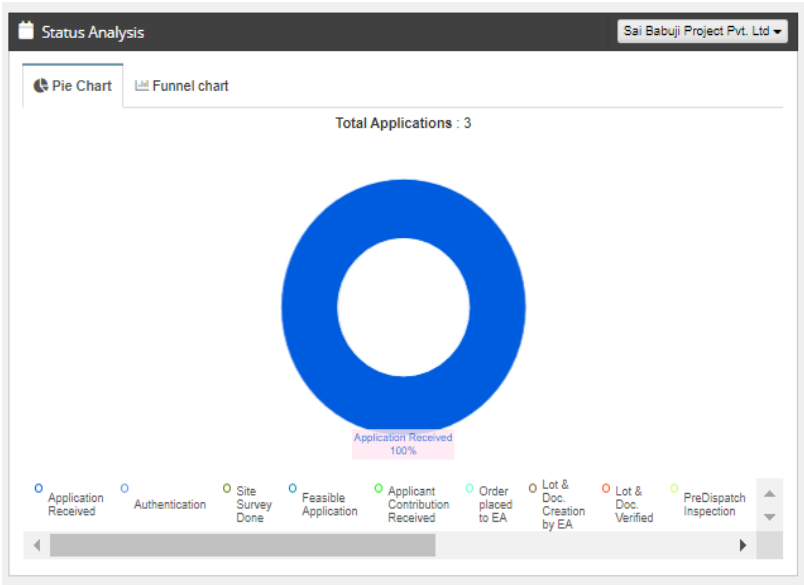


FIGURE 190 CONSUMER/FARMER ANALYSIS - PIE CHART

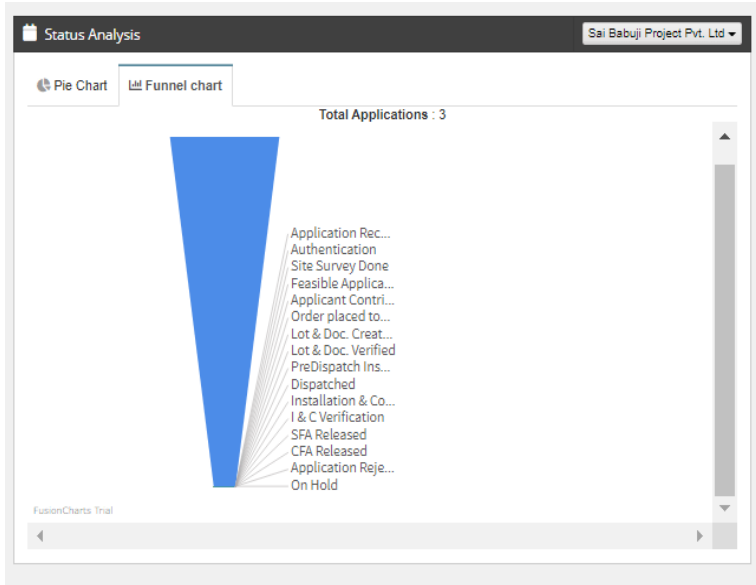


FIGURE 191 CONSUMER/FARMER ANALYSIS – FUNNEL CHART

- 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.

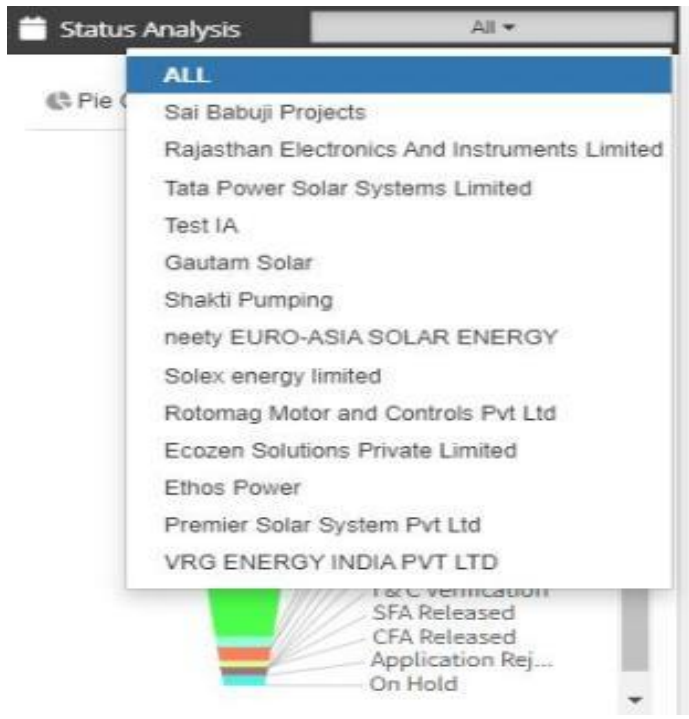


FIGURE 192 FILTER APPLIED: SHAKTI PUMPING

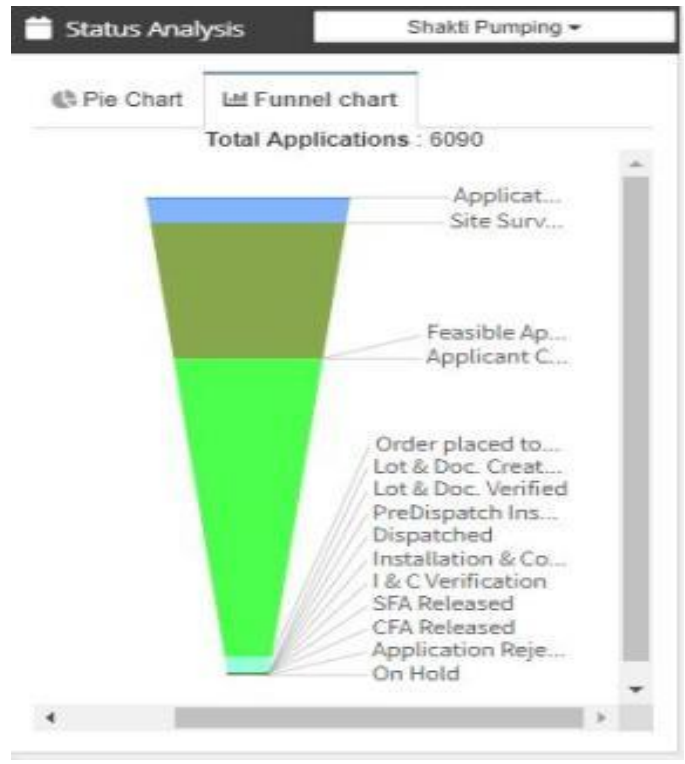


FIGURE 193 CONSUMER/FARMER ANALYSIS - FILTER OPTIONS

- 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.

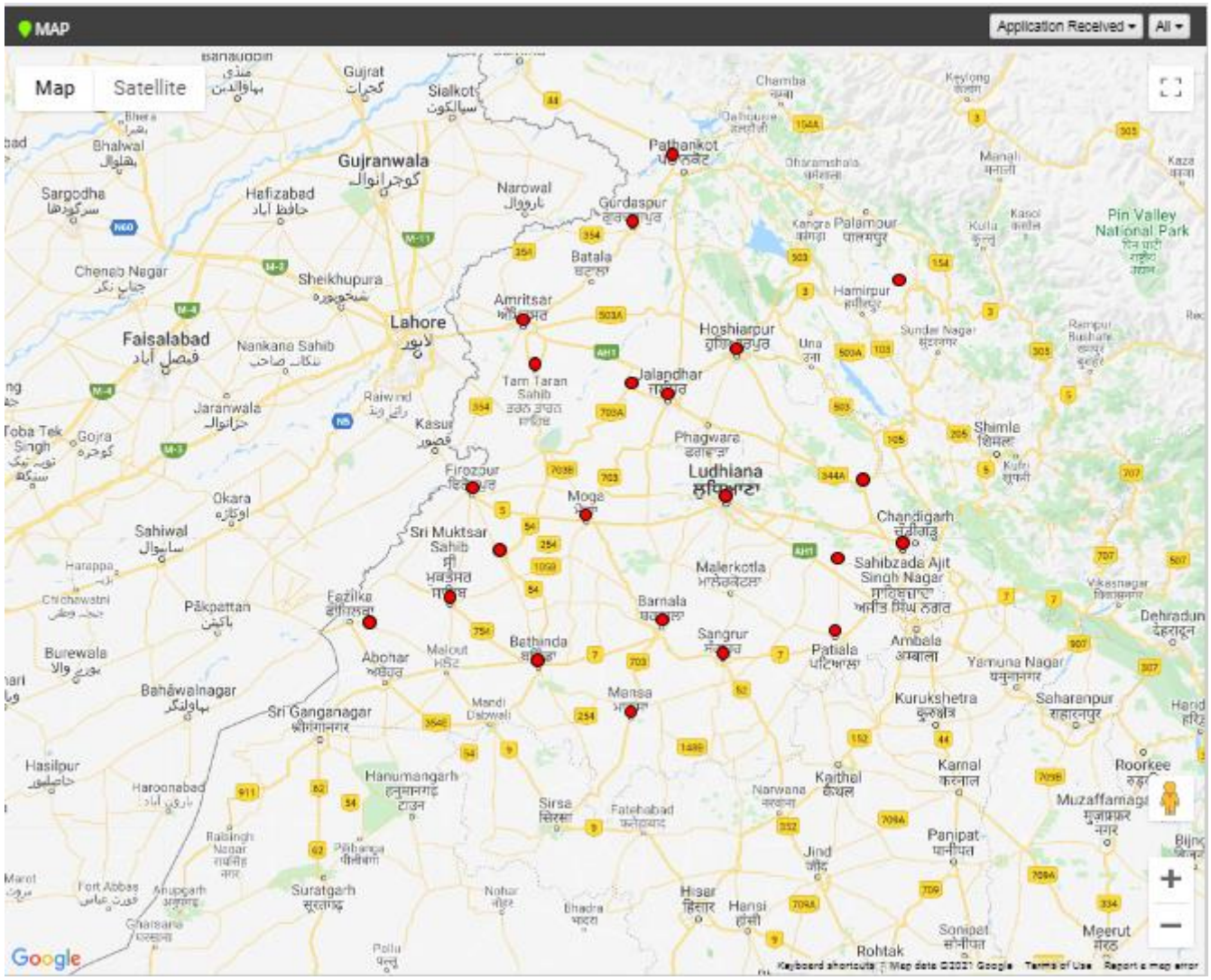


FIGURE 194 MAP VIEW

- 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).

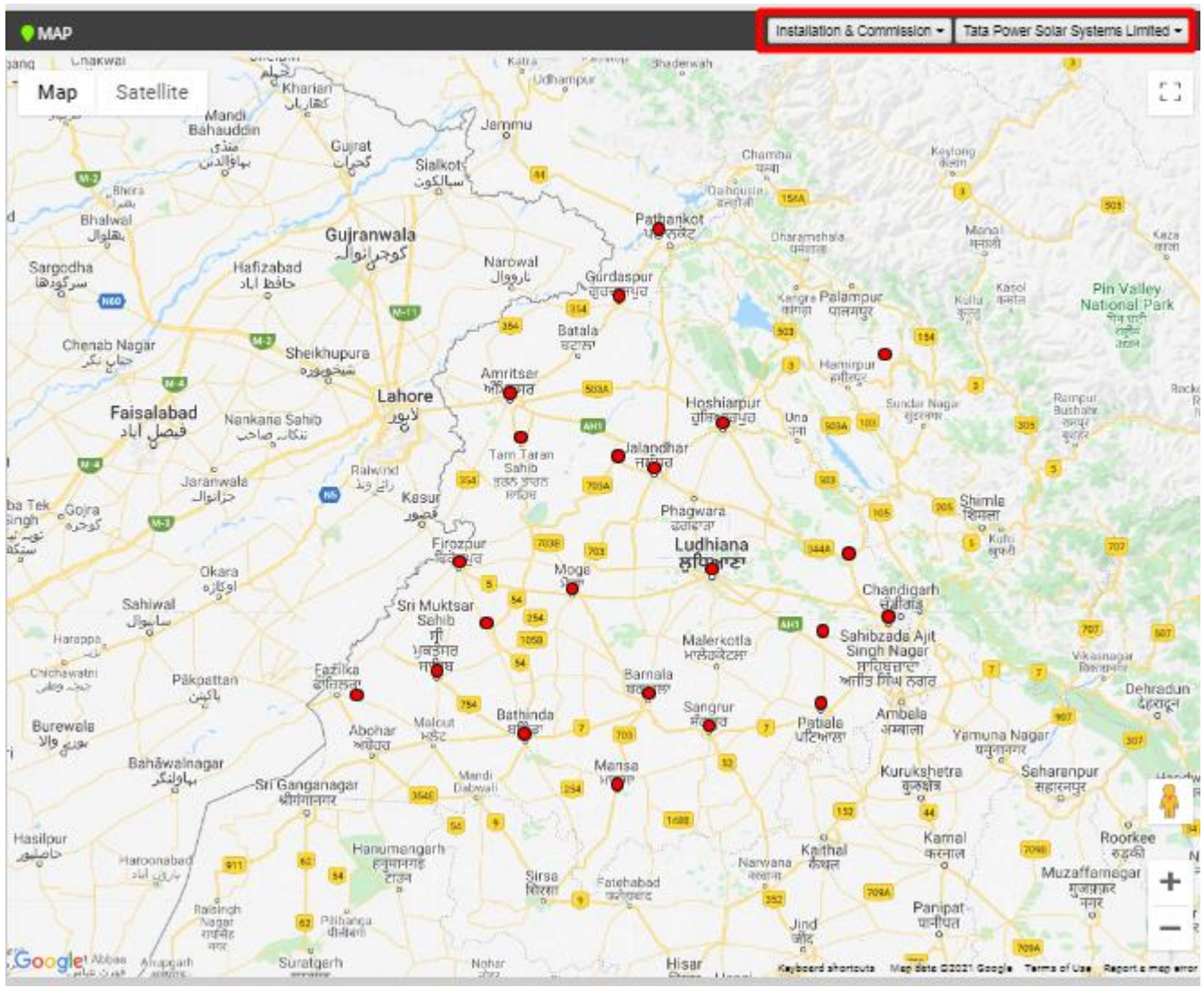


FIGURE 195 FILTER APPLIED: INSTALLATION & COMMISSION, TATA POWER SOLAR SYSTEMS LTD

- 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.

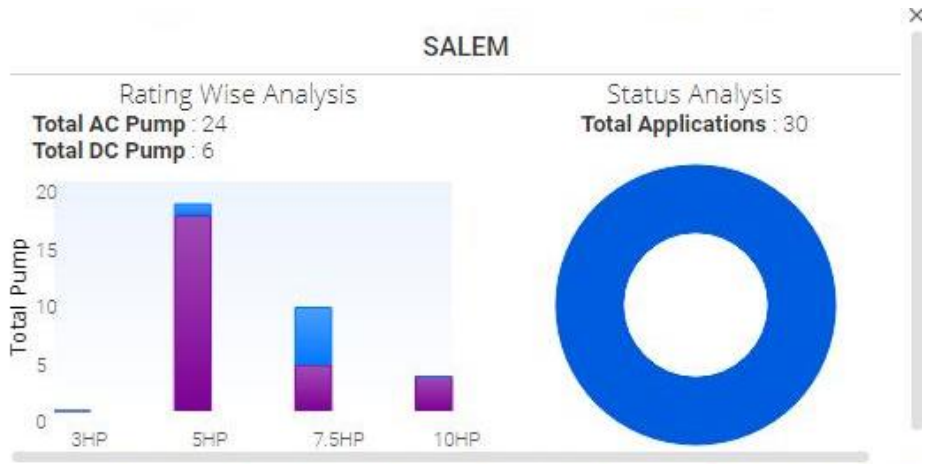


FIGURE 196 CONSUMER/FARMER ANALYSIS STATISTICS FOR DISTRICT-WISE LOCATION

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:

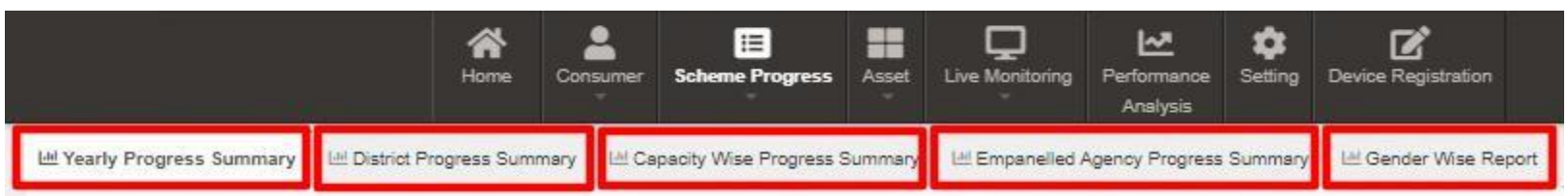


FIGURE 197 MIS REPORTS

➢ 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**

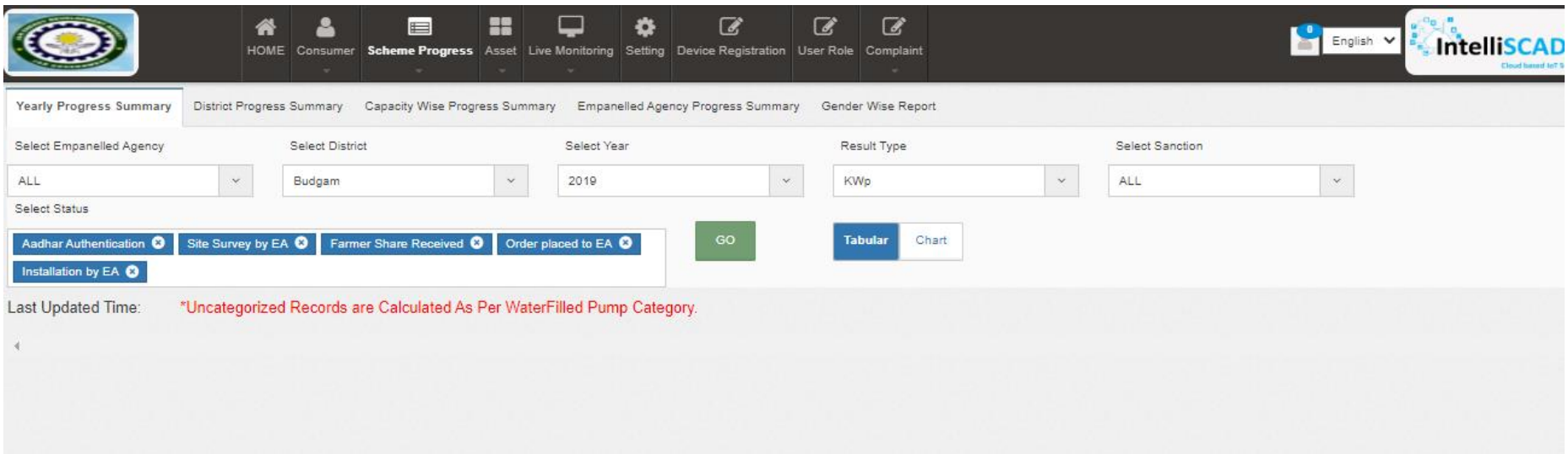


FIGURE 198 Yearly Progress Summary – Tabular view

- **Chart View**

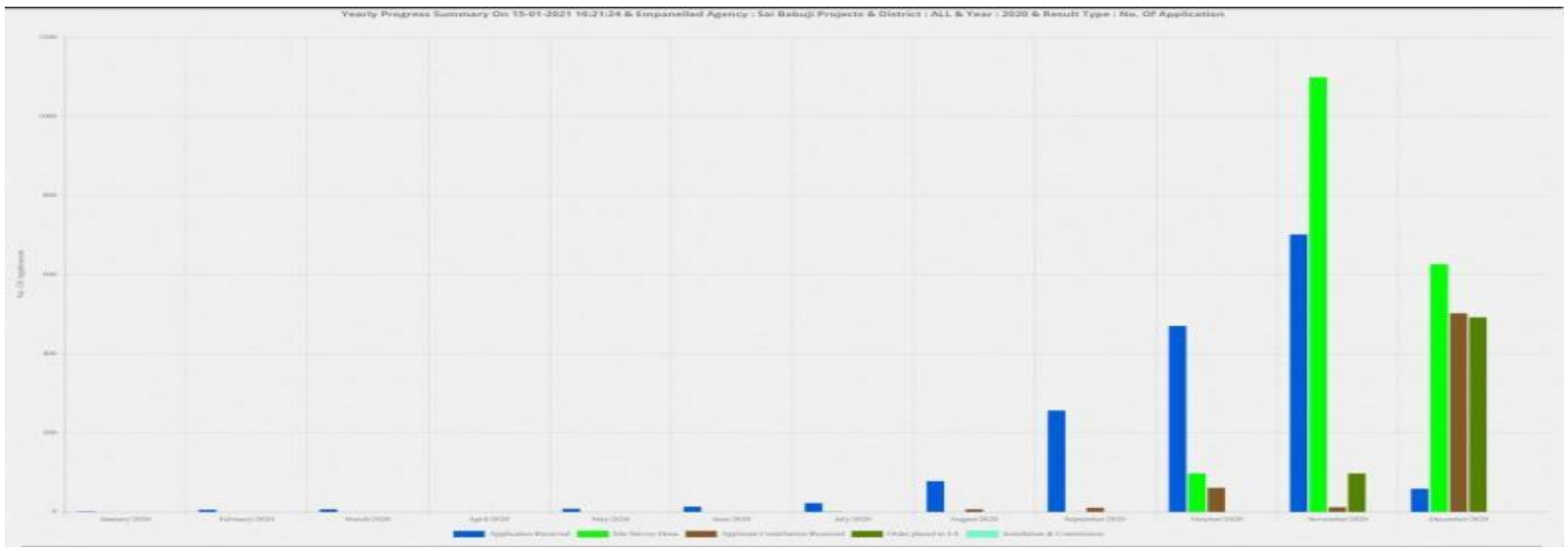


FIGURE 199 Yearly Progress Summary – Chart view

➢ 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**

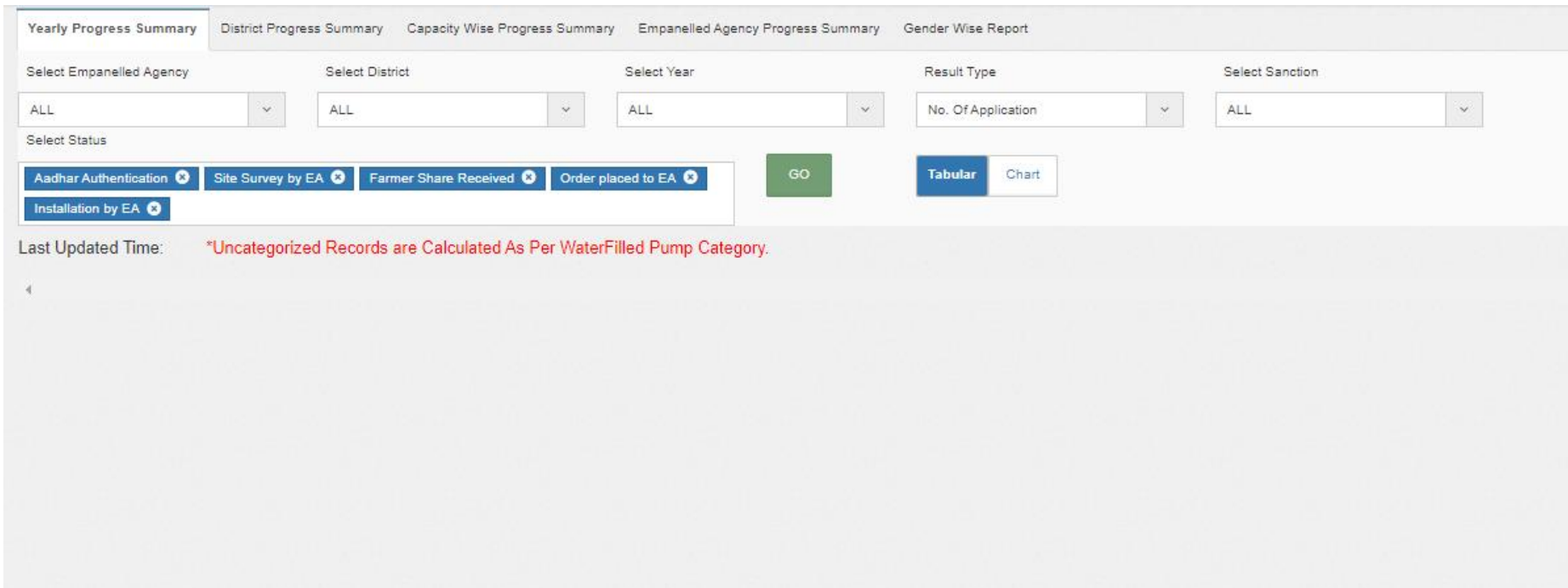


FIGURE 200 District Progress Summary- tabular view

- **Chart View**

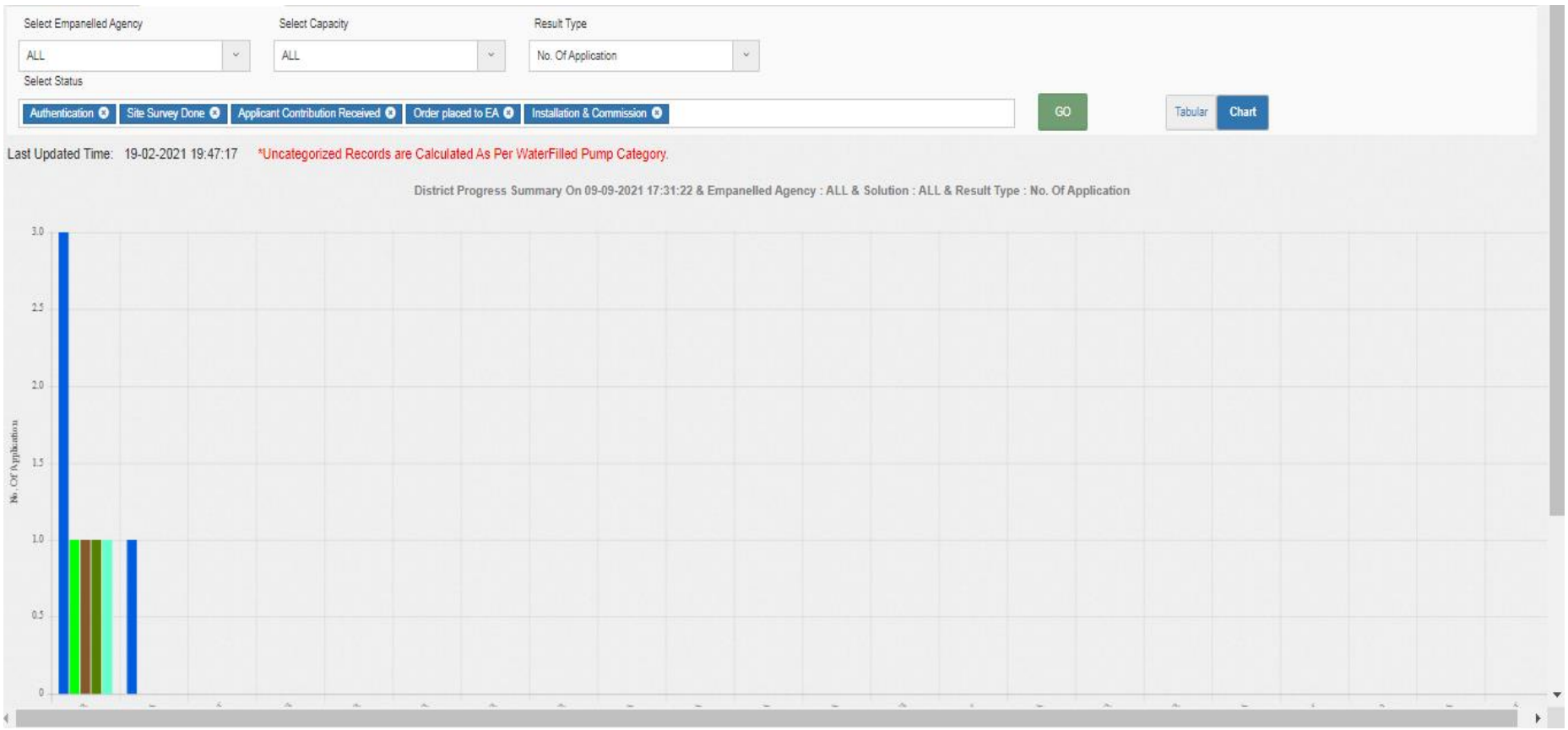


FIGURE 201 DISTRICT PROGRESS SUMMARY – CHART VIEW

➢ 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**

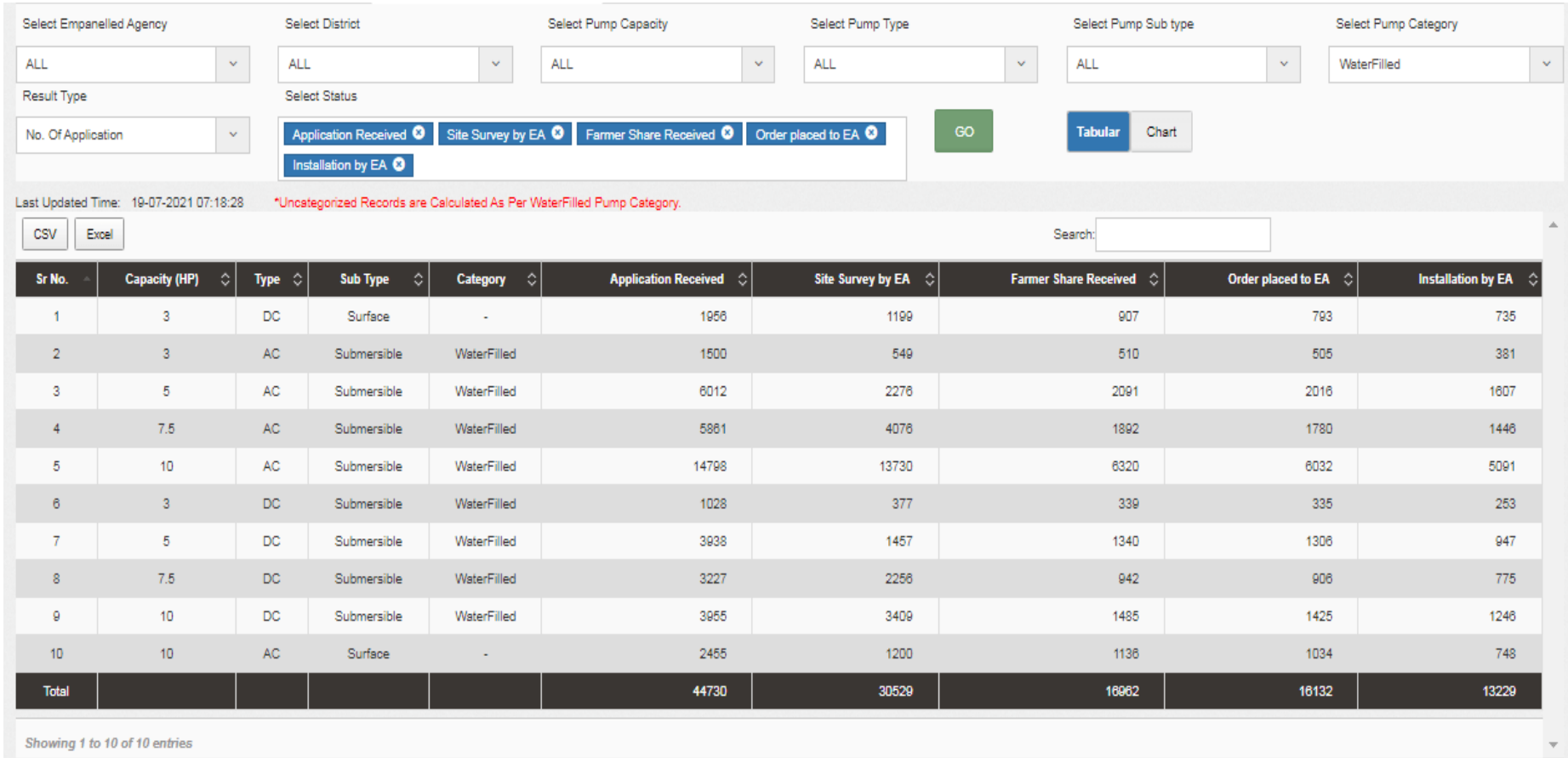


FIGURE 202 CAPACITY WISE PROGRESS SUMMARY – TABULAR VIEW

- **Chart View**

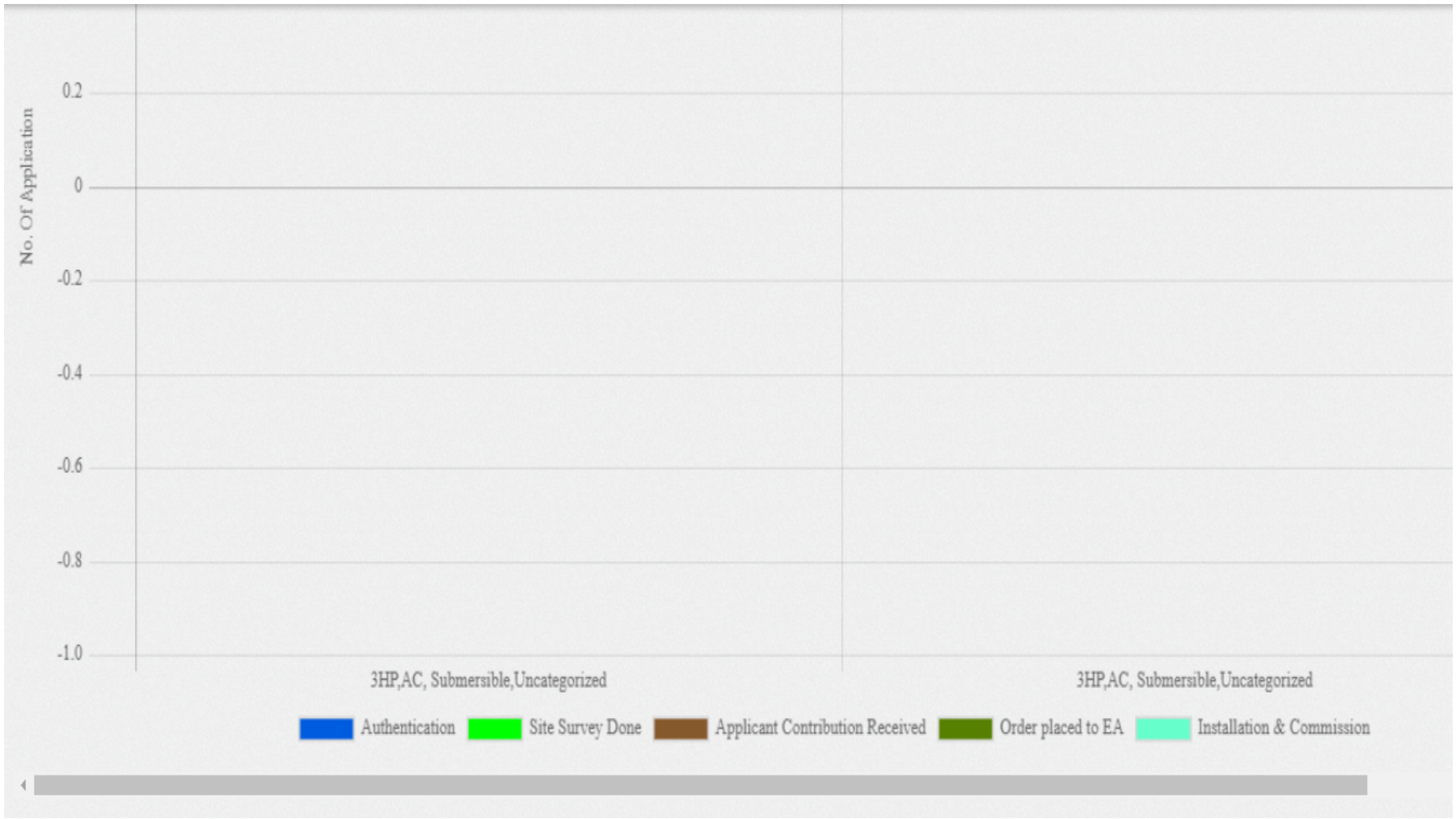


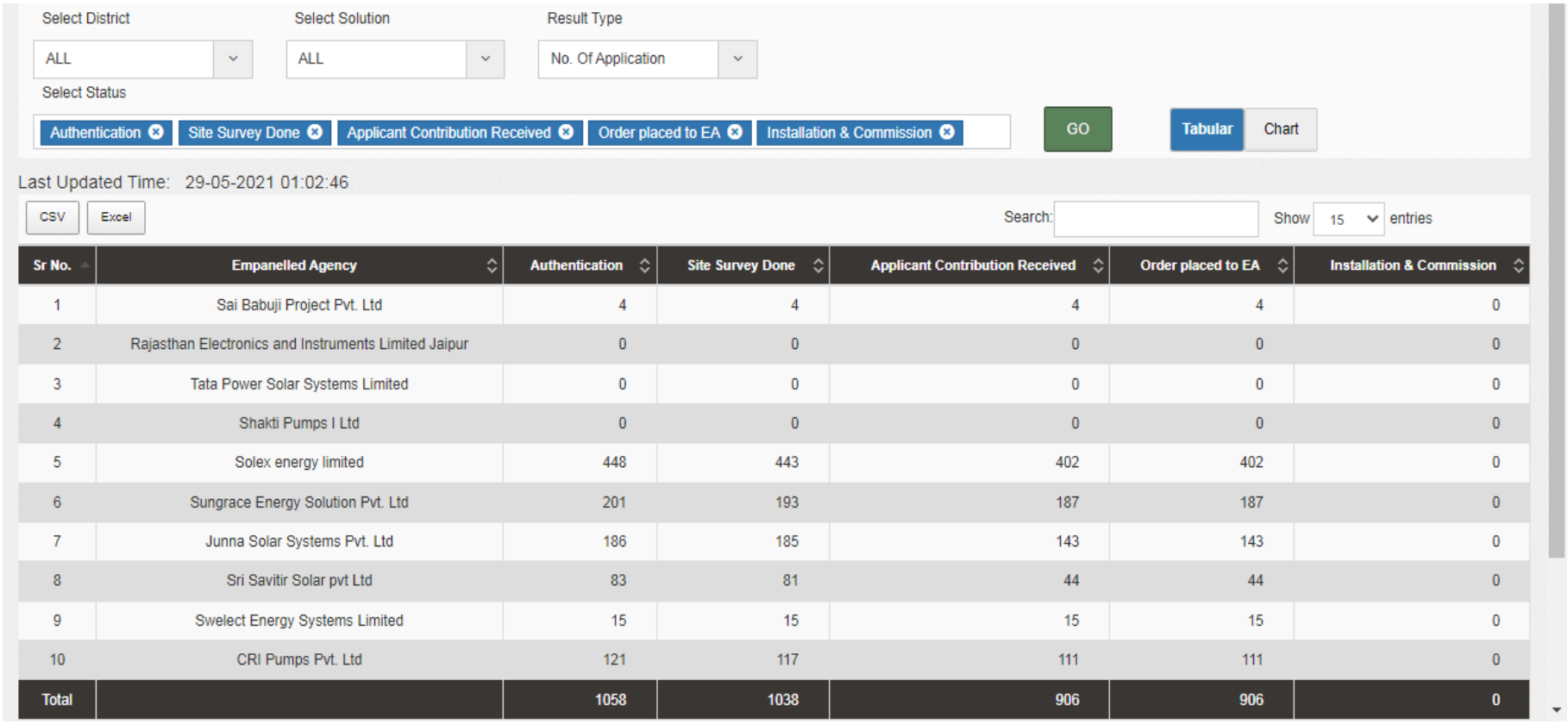
FIGURE 203 CAPACITY WISE PROGRESS SUMMARY – CHART VIEW

➢ 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**



Sr No.	Empanelled Agency	Authentication	Site Survey Done	Applicant Contribution Received	Order placed to EA	Installation & Commission
1	Sai Babuji Project Pvt. Ltd	4	4	4	4	0
2	Rajasthan Electronics and Instruments Limited Jaipur	0	0	0	0	0
3	Tata Power Solar Systems Limited	0	0	0	0	0
4	Shakti Pumps I Ltd	0	0	0	0	0
5	Solex energy limited	448	443	402	402	0
6	Sungrace Energy Solution Pvt. Ltd	201	193	187	187	0
7	Junna Solar Systems Pvt. Ltd	186	185	143	143	0
8	Sri Savitir Solar pvt Ltd	83	81	44	44	0
9	Swelect Energy Systems Limited	15	15	15	15	0
10	CRI Pumps Pvt. Ltd	121	117	111	111	0
Total		1058	1038	906	906	0

FIGURE 204 EMPANELLED AGENCY PROGRESS SUMMARY – TABULAR VIEW

- **Chart View**

FIGURE 205 EMPANELLED AGENCY PROGRESS SUMMARY – CHART VIEW

➢ GENDER WISE REPORT

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

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

- **Tabular View**

Yearly Progress Summary | District Progress Summary | Capacity Wise Progress Summary | Empanelled Agency Progress Summary | Gender Wise Report

Select Empanelled Agency: ALL | Select Capacity: ALL Capacity | Select Year: ALL | Result Type: Hectare | GO

CSV | Excel | PDF | Show / hide columns

Sr No.	Districts	Male beneficiary (Nos.)	Female beneficiary (Nos.)	Transgender beneficiary (Nos.)	Total Land Coverage of Male beneficiary (Hectare)	Total Land Coverage of Female beneficiary (Hectare)	Total Land Coverage of Transgender beneficiary (Hectare)	Loan Availed by Male Benificiary (Nos.)	Loan Availed by Female Benificiary (Nos.)	Loan Availed by Transgender Benificiary (Nos.)	Loan Not Availed by Male Benificiary (Nos.)	Loan Not Availed by Female Benificiary (Nos.)	Loan Not Availed by Transgender Benificiary (Nos.)	Loan Detail Not Available by Male Benificiary (Nos.)	Loan Detail Not Available by Female Benificiary (Nos.)	Loan Detail Not Available by Transgender Benificiary (Nos.)
1	ANANTNAG	80	1	0	313	0	0	0	0	0	80	1	0	0	0	0
2	BANDIPORA	10	0	0	1	0	0	0	0	0	10	0	0	0	0	0
3	BARAMULLA	27	0	0	0	0	0	0	0	0	27	0	0	0	0	0
4	Budgam	13	0	0	7	0	0	0	0	0	13	0	0	0	0	0
5	GANDERBAL	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0
6	JAMMU	25	1	0	0	0	0	0	0	0	25	1	0	0	0	0
7	KATHUA	6	0	0	0	0	0	0	0	0	6	0	0	0	0	0
8	KULGAM	9	0	0	0	0	0	0	0	0	9	0	0	0	0	0
9	PULWAMA	98	8	0	211	8	0	0	0	0	98	8	0	0	0	0
10	SAMBA	6	0	0	0	0	0	0	0	0	6	0	0	0	0	0
11	SHOPIAN	29	2	0	0	0	0	0	0	0	29	2	0	0	0	0

FIGURE 206 GENDER WISE REPORT – TABULAR VIEW

26.2 BULK PROGRESS MAPPING

- State Implementing Agency (SIA) is an authorized user for bulk progress mapping.

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

2. Click on the ‘Scheme Progress’ option on the Title Bar of the SEDM Portal Dashboard
3. Click on the ‘Bulk Progress Mapping’ option from the drop-down menu

- Sign In >> Scheme Progress >> Bulk Progress Mapping
- The Bulk Progress Mapping Feature Module helps the users to select multiple Consumer/Farmer applications and update the data or information fields for all of them at one go.
- The users can update the Consumer/Farmer status with corresponding dates and document reference number and can also view chronological specifications and ownership of documents uploaded on the portal, with the Bulk Progress Mapping Dashboard.

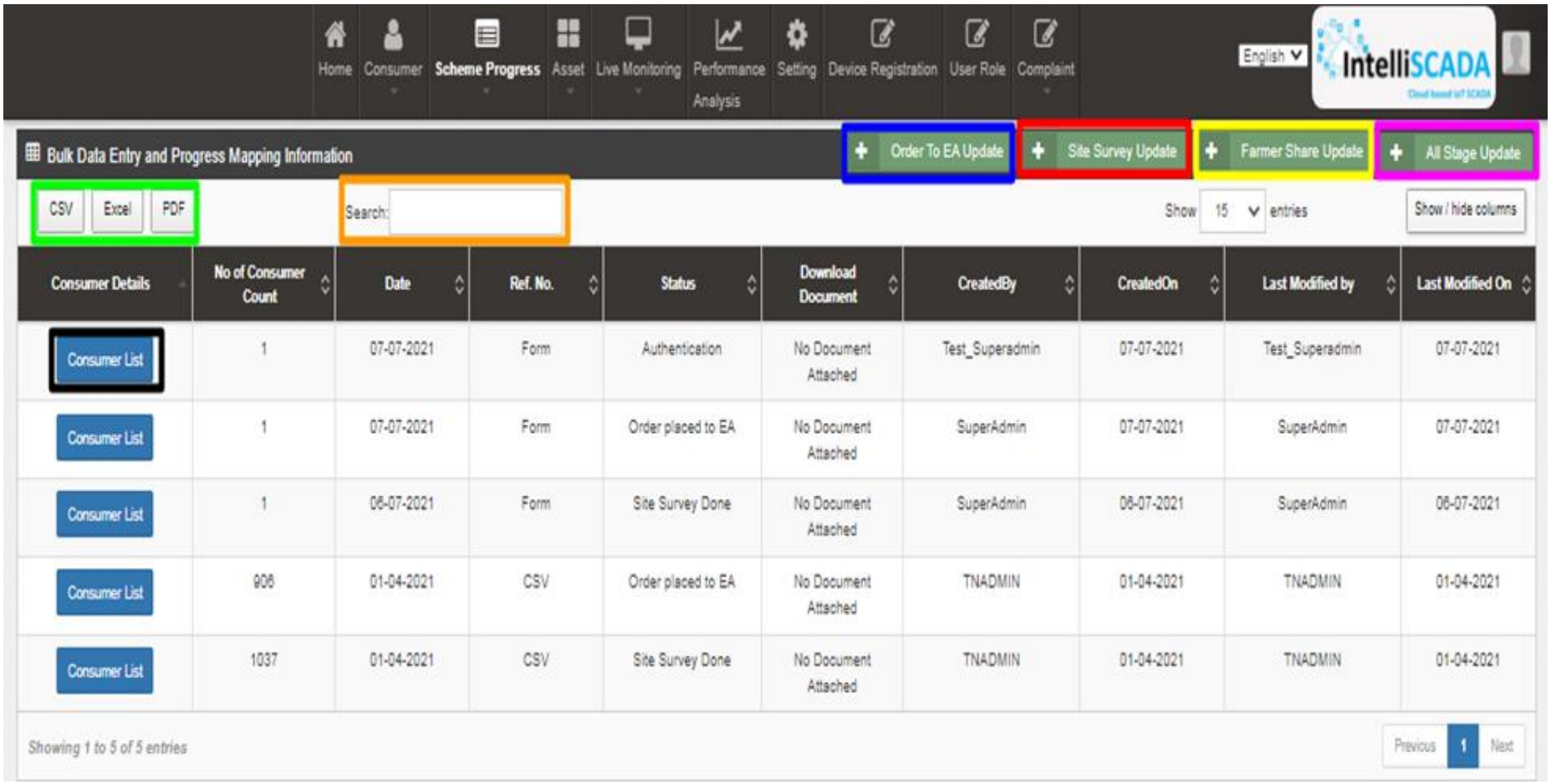


FIGURE 207 BULK PROGRESS MAPPING DASHBOARD

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

- **Site Survey Bulk Update**

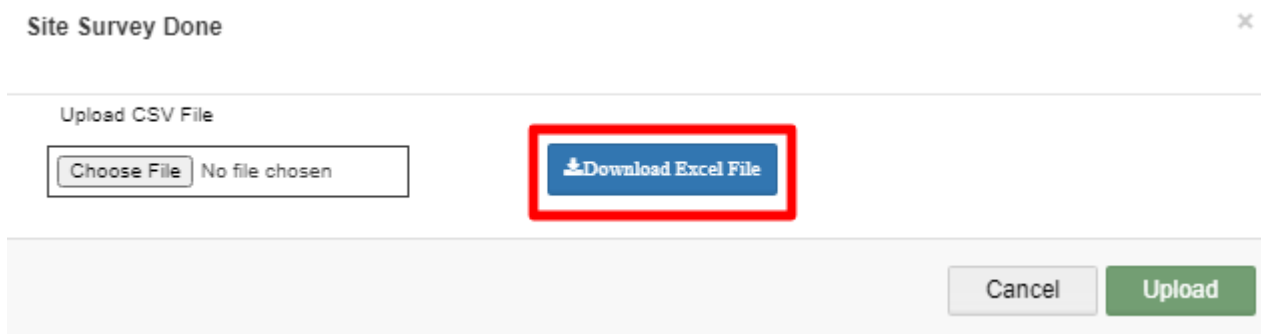


FIGURE 208 SITE SURVEY DONE CSV FILE UPLOAD

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

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

FIGURE 209 SITE SURVEY BULK UPLOAD FORMAT

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

➢ **Order Placed to EA Bulk Update**

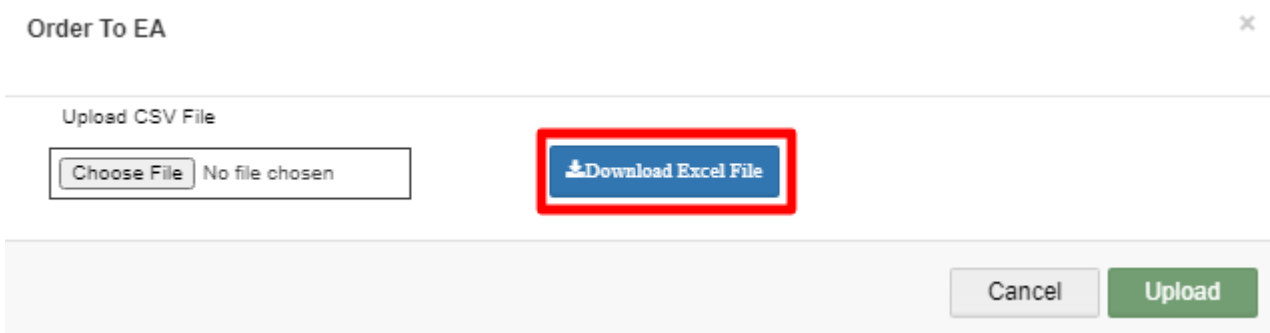


FIGURE 210 ORDER TO EA CSV FILE UPLOAD

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

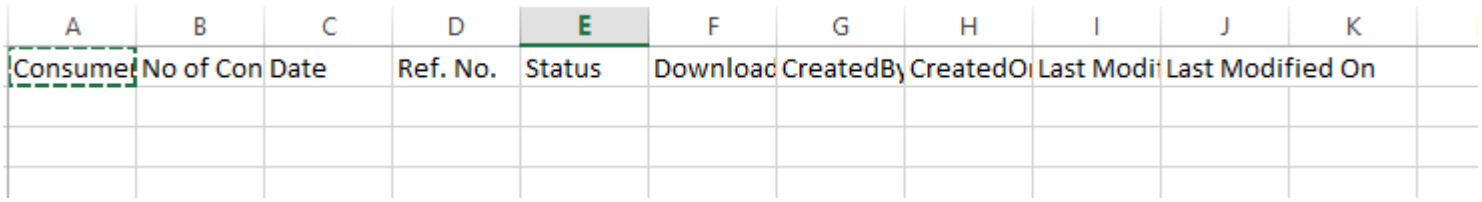


FIGURE 211 ORDER PLACED TO EA BULK UPLOAD FORMAT

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

➢ Farmer Share Received Bulk Update

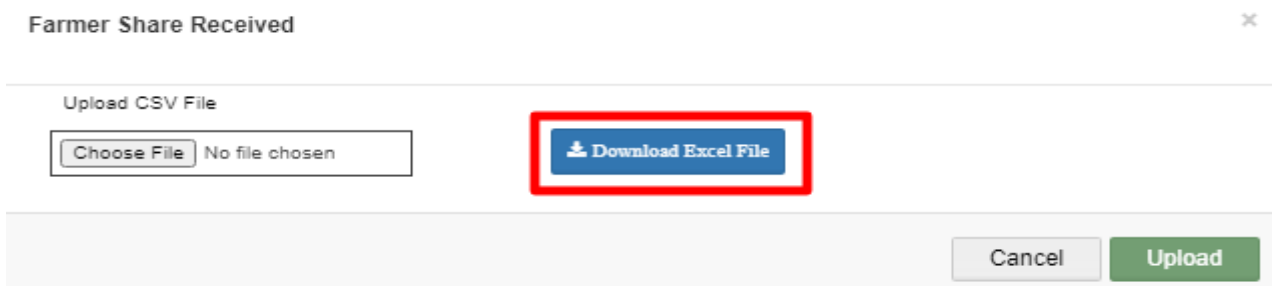


FIGURE 212 FARMER SHARE RECEIVED CSV FILE UPLOAD

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

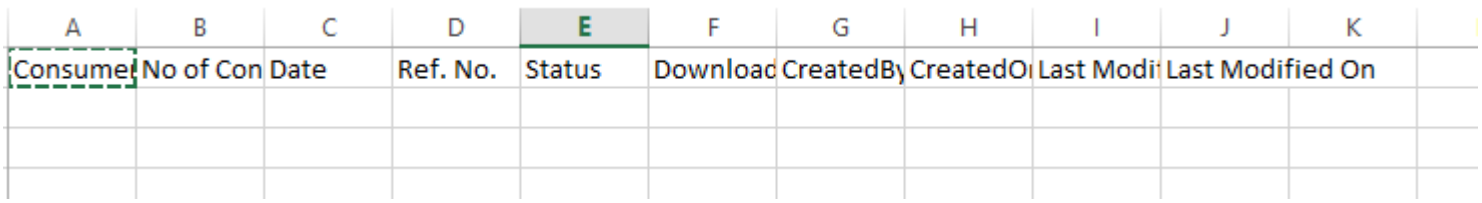


FIGURE 213 SITE SURVEY BULK UPLOAD FORMAT

- SIA user has to remove the dummy data (as a format shown in above Figure 213) and enter his own data with multiple application nos. and amount of farmer's share for Solar Pump installation and has to save that excel file as "**.csv**" and upload it on the State SEDM Platform. (as shown in the Figure 212)

- On clicking onto the 'Add Form' feature a pop-up box appears in which the user must add or update all the necessary details in a Farmer's application stage along with the reference number.
- Here, the user can also add the details in bulk manner by uploading the relevant file with all Consumer/Farmer details.

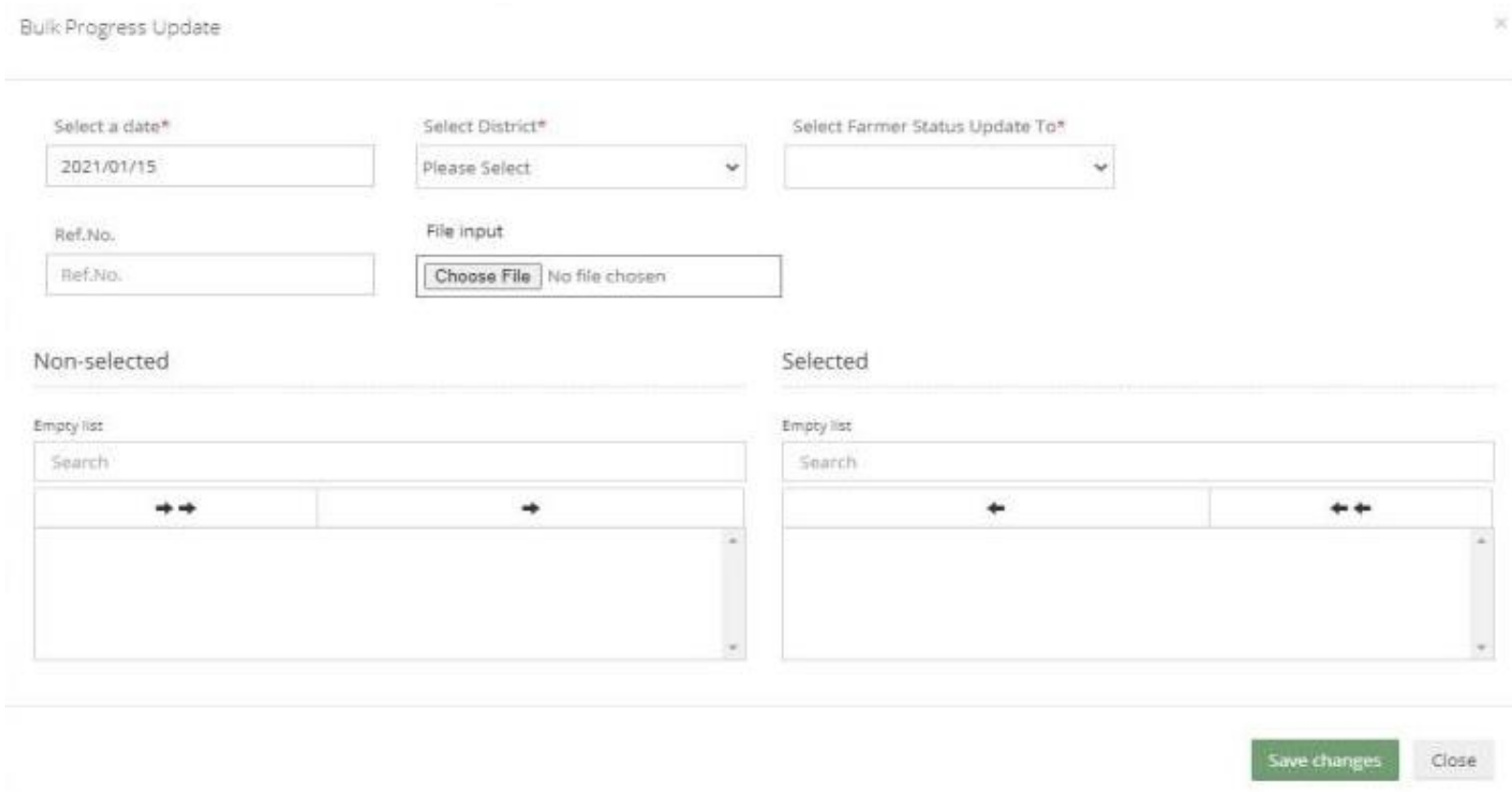


FIGURE 214 BULK PROGRESS UPDATE FORM

- The “File Input” field is to upload any relevant reference document.

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

- **PDF :**

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

FIGURE 215 PDF OUTPUT

- **EXCEL/CSV :**

A1 | BulkProgressMapping

	A	B	C	D	E	F	G	H	I	J
1	BulkProgressMapping									
2	**Consumer Details**	**No of Consumer Count**	**Date**	**Ref. No.**	**Status**	**Download Document**	**CreatedBy**	**CreatedOn**	**Last Modified by**	**Last Modified On**
3	Consumer List	1	07-07-2021	Form	Authentication	No Document Attached	Test_Superadmin	07-07-2021	Test_Superadmin	07-07-2021
4	Consumer List	1	07-07-2021	Form	Order placed to EA	No Document Attached	SuperAdmin	07-07-2021	SuperAdmin	07-07-2021
5	Consumer List	1	06-07-2021	Form	Site Survey Done	No Document Attached	SuperAdmin	06-07-2021	SuperAdmin	06-07-2021
6	Consumer List	906	01-04-2021	CSV	Order placed to EA	No Document Attached	TNADMIN	01-04-2021	TNADMIN	01-04-2021
7	Consumer List	1037	01-04-2021	CSV	Site Survey Done	No Document Attached	TNADMIN	01-04-2021	TNADMIN	01-04-2021
8										
9										
10										
11										
12										
13										
14										

FIGURE 216 EXCEL/CSV OUTPUT

27. ASSET TRACKING & REPLACEMENT

➢ ASSET TRACKING

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

2. Click on the ‘Asset’ option on the Title Bar of the SEDM Portal Dashboard
3. Click on the ‘Asset Tracking’ option from the drop-down menu

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

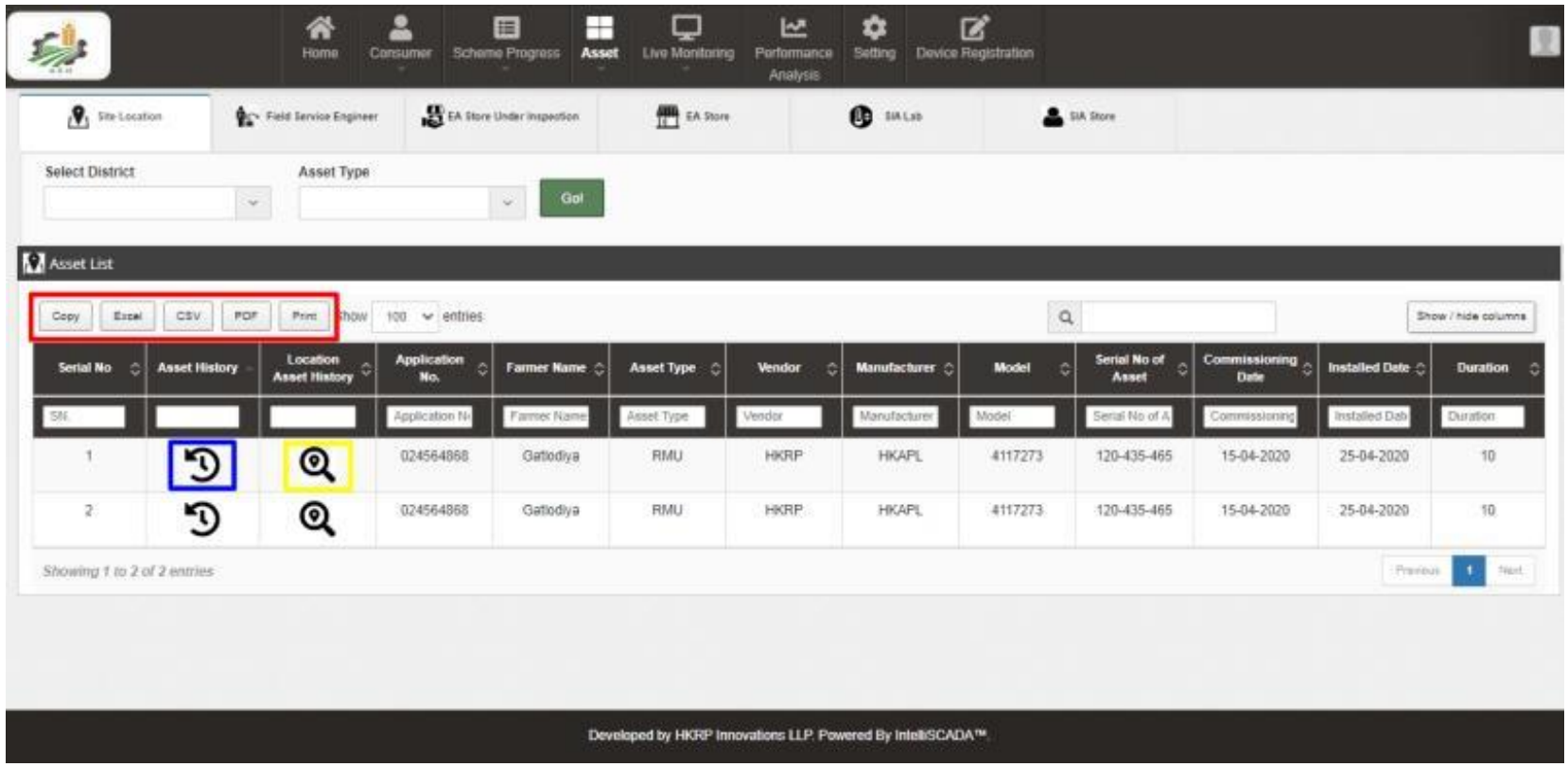


FIGURE 217 SITE LOCATION DASHBOARD

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.

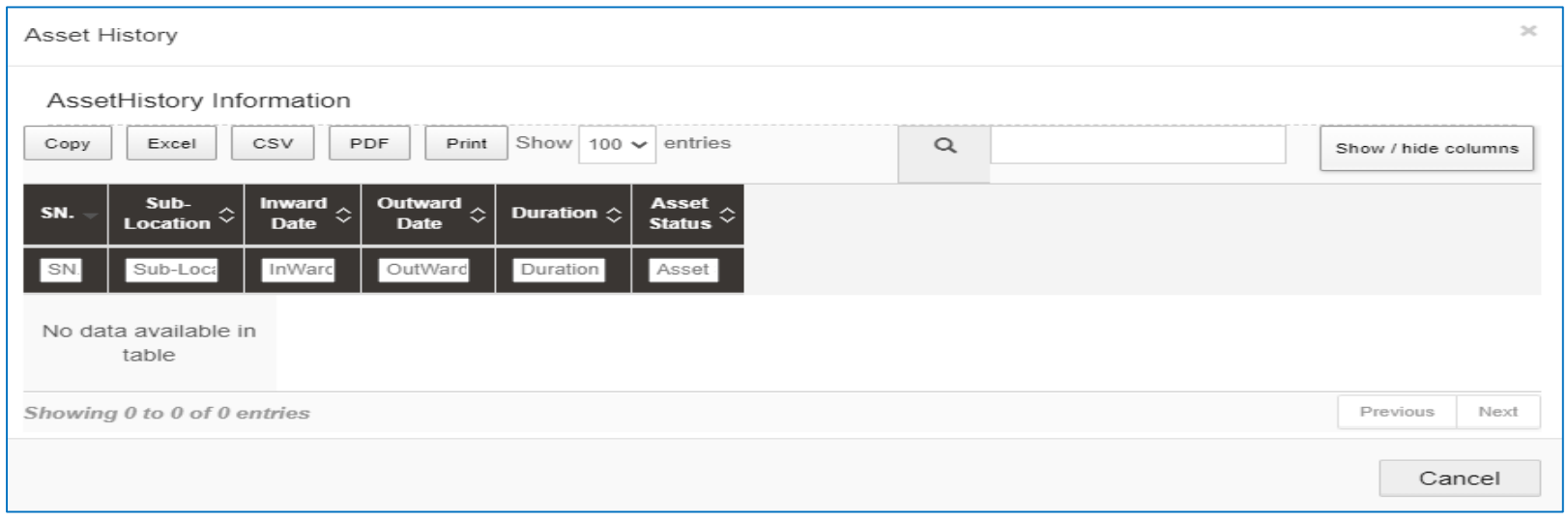


FIGURE 218 ASSET HISTORY

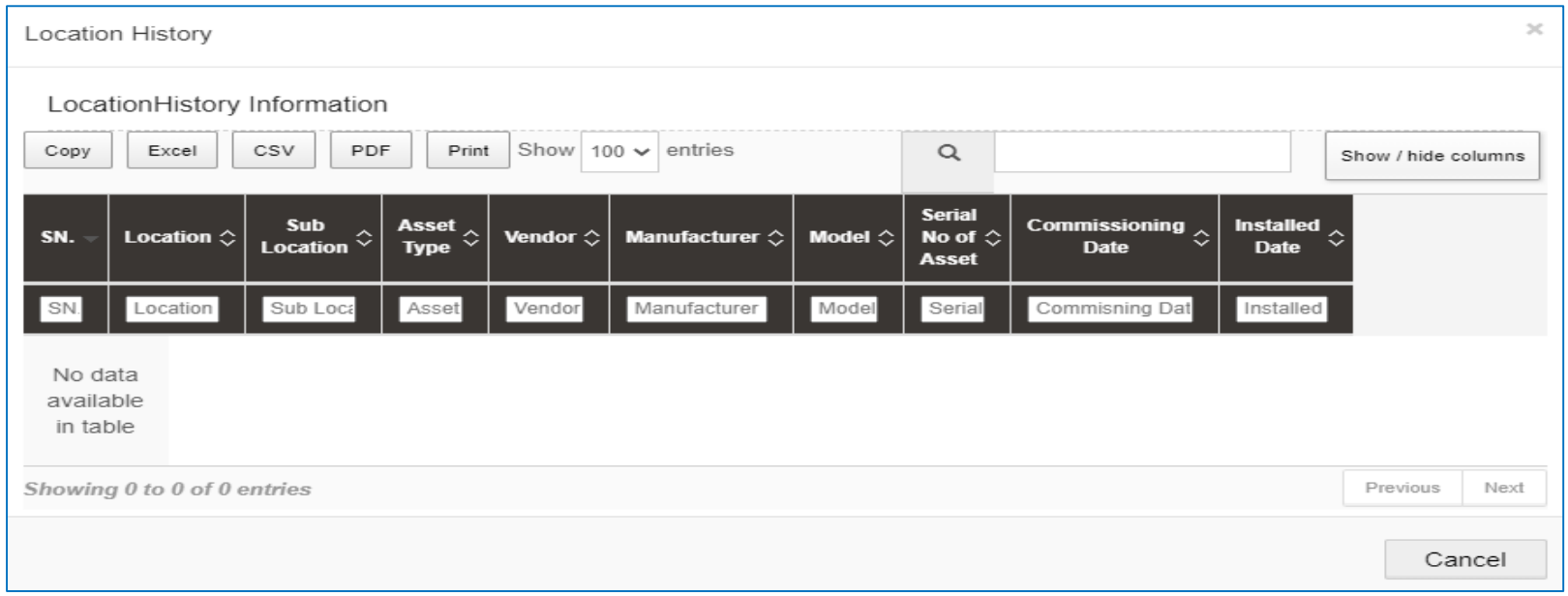


FIGURE 219 LOCATION HISTORY

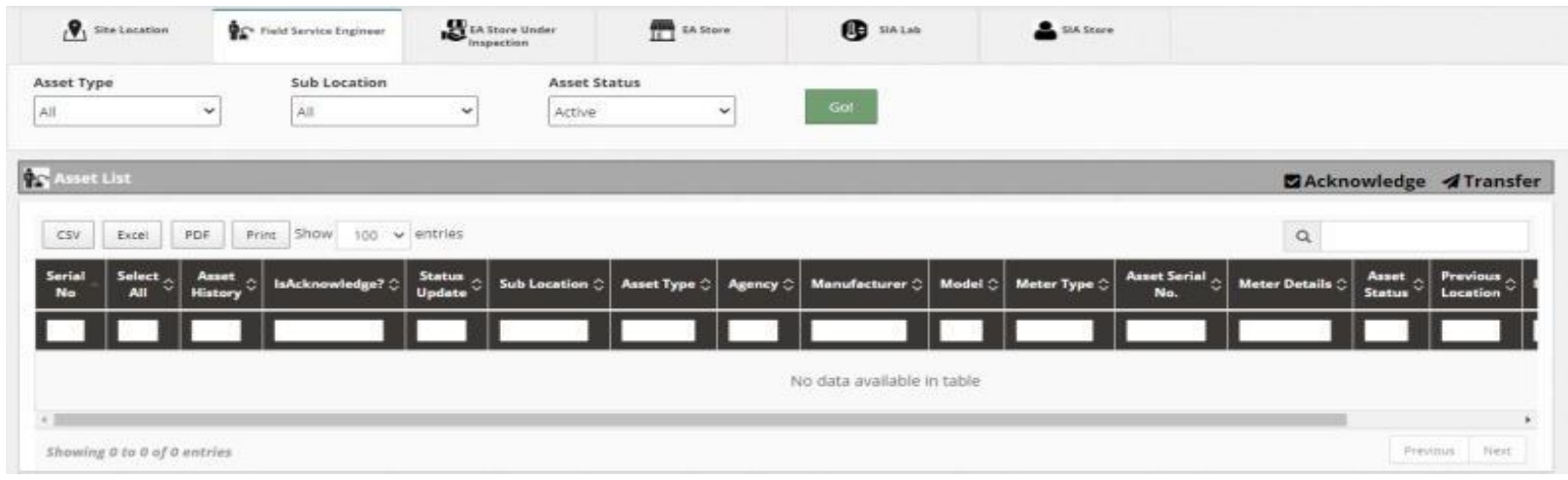


FIGURE 220 FIELD SERVICE ENGINEER DASHBOARD

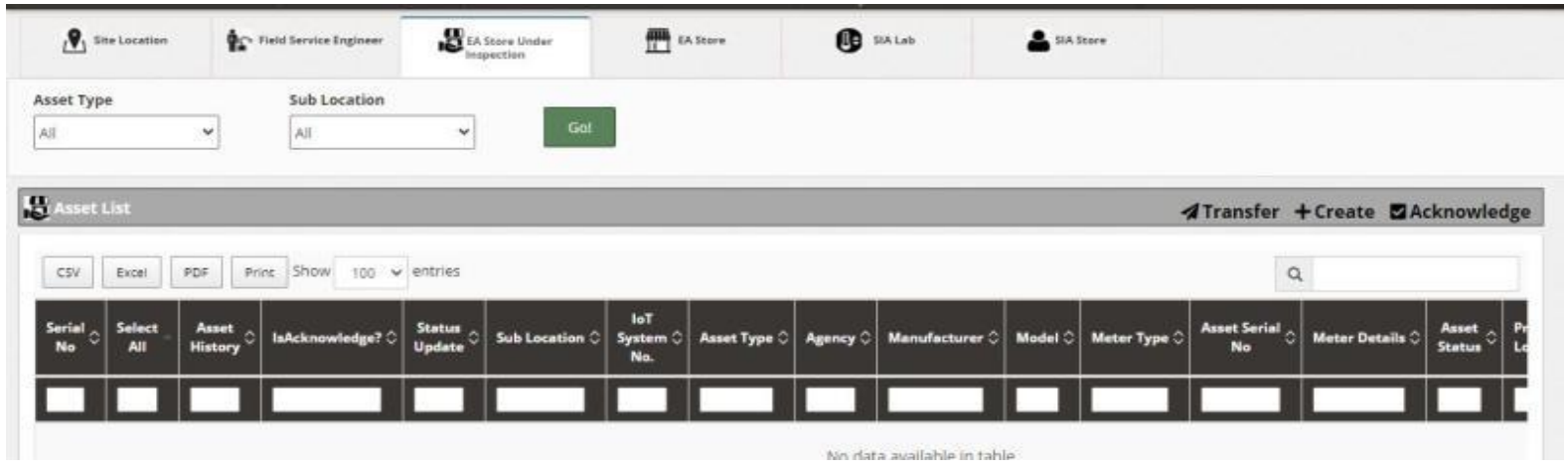


FIGURE 221 EA SERVICE STORE INSPECTION

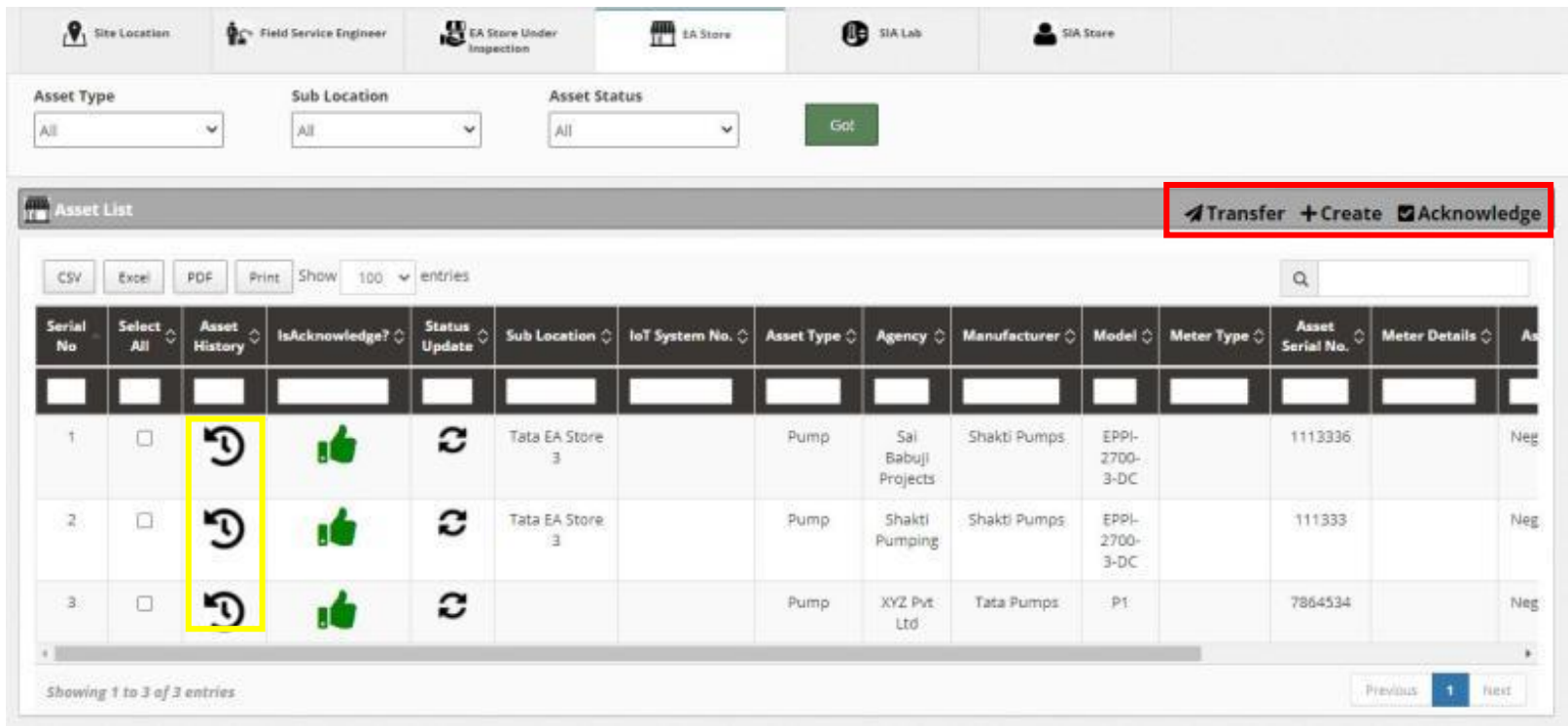


FIGURE 222 EA STORE

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.

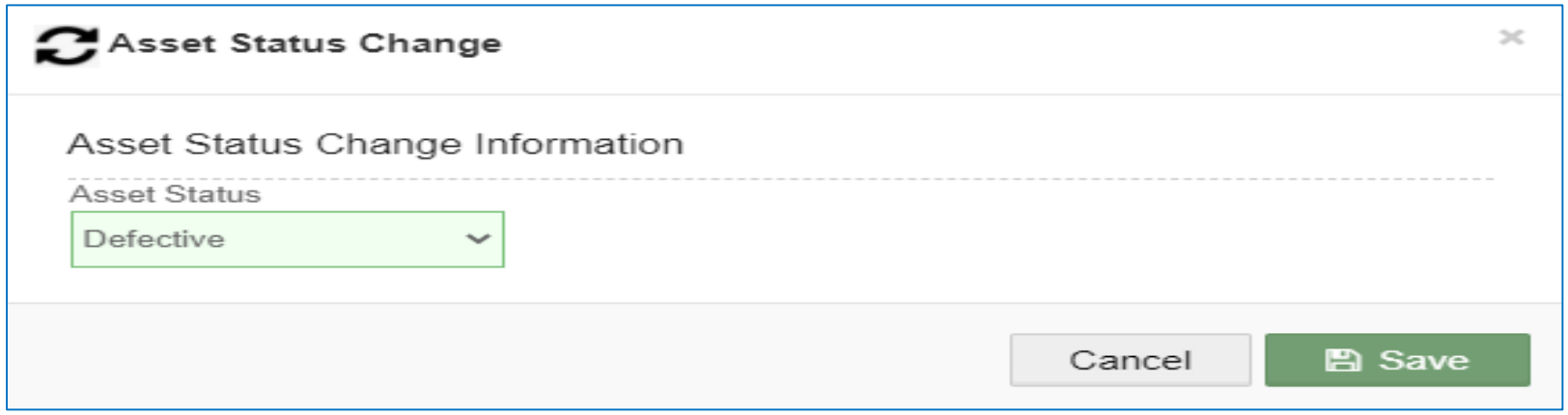


FIGURE 223 STATUS UPDATE POP-UP BOX

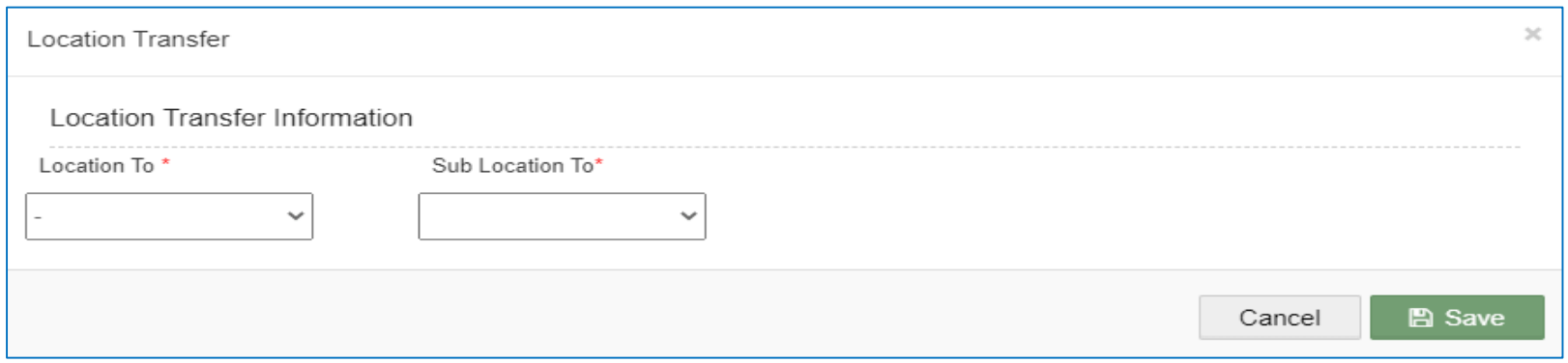


FIGURE 224 TRANSFER POP-UP BOX

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

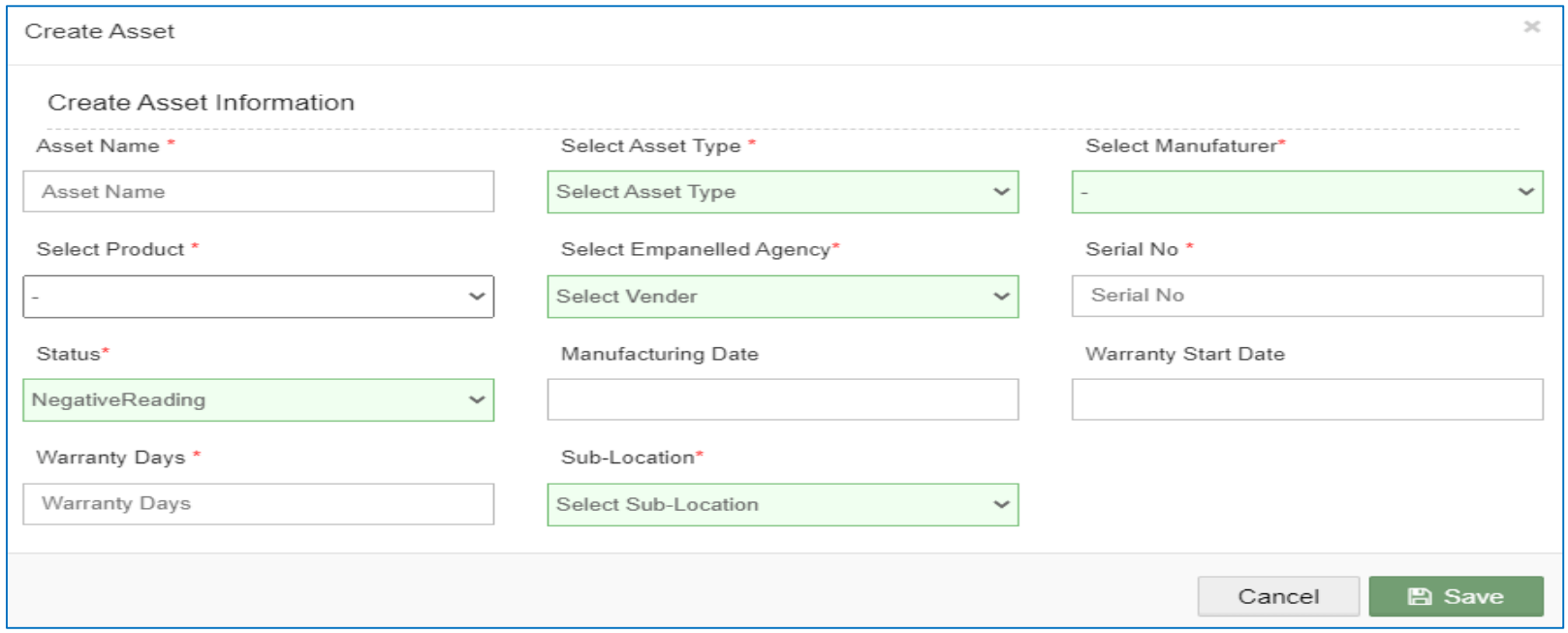


FIGURE 225 CREATE POP-UP BOX

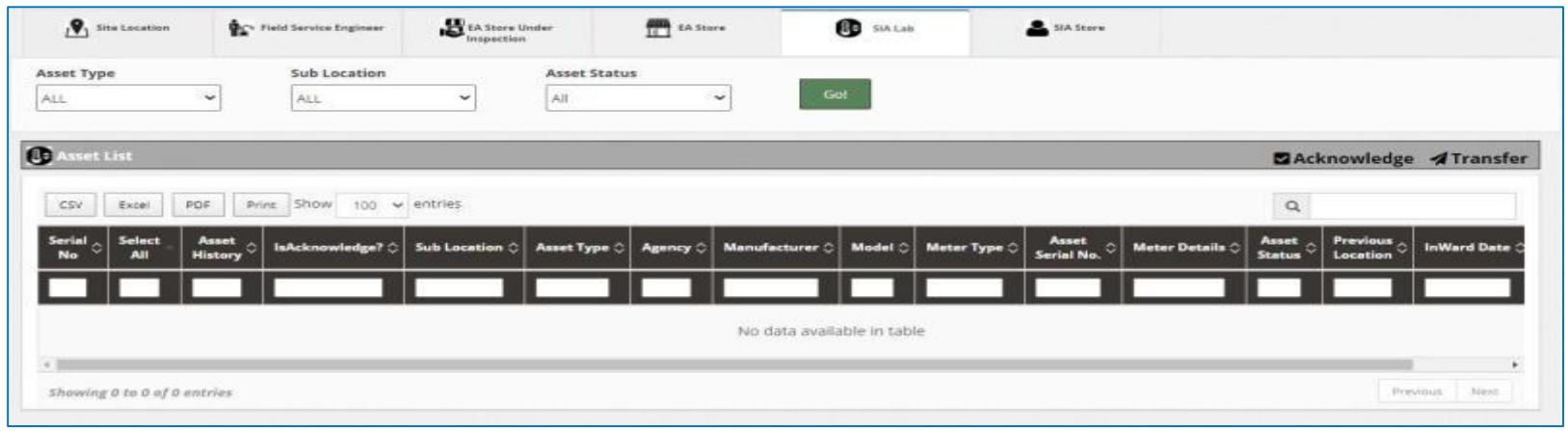


FIGURE 226 SIA LAB

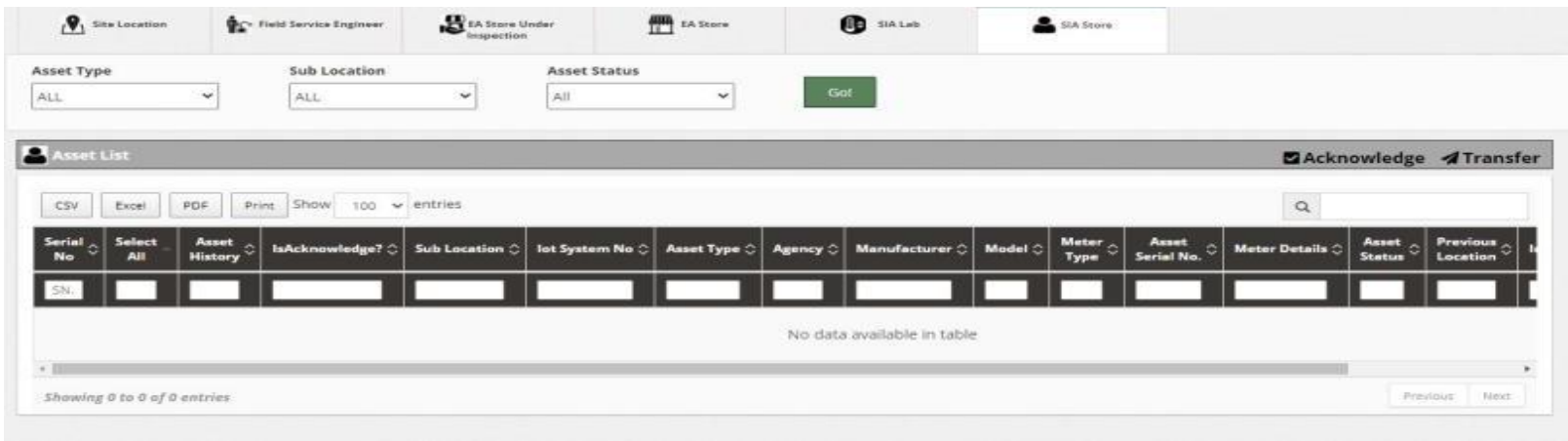


FIGURE 227 SIA STORE

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

FIGURE 228 ASSET DASHBOARD FILTER – ASSET TYPE

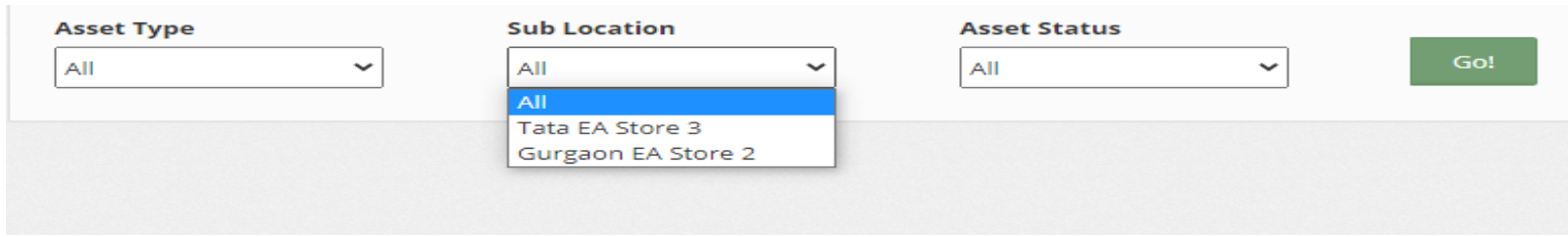


FIGURE 229 ASSET DASHBOARD FILTER – SUB LOCATION

FIGURE 230 ASSET DASHBOARD FILTER – ASSET status

➢ ASSET REPLACEMENT

- Empanelled Agency is an authorized user to perform the IMEI replacement functionality.
- He can replace the IMEI no. in case of mapping faulty IMEI no. or consumer/farmer has been replaced with new RMS device with new IMEI no.

➢ Navigation Steps: -

1. Sign in on the State SEDM Portal
2. Click on the ‘Asset’ option on the Title Bar of the SEDM Portal Dashboard
3. Click on the ‘Asset Mapping by EA’ option from the drop-down menu

- Sign In >> Asset >> Asset Mapping by EA

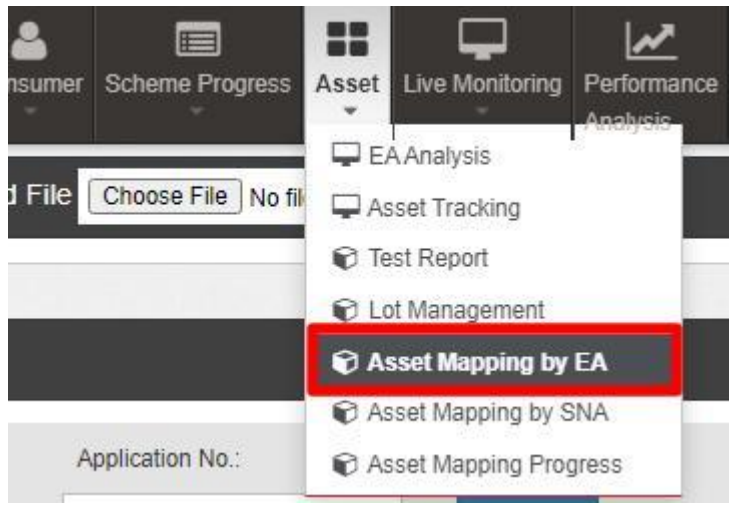


FIGURE 231 ASSET MAPPING BY EA OPTION

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

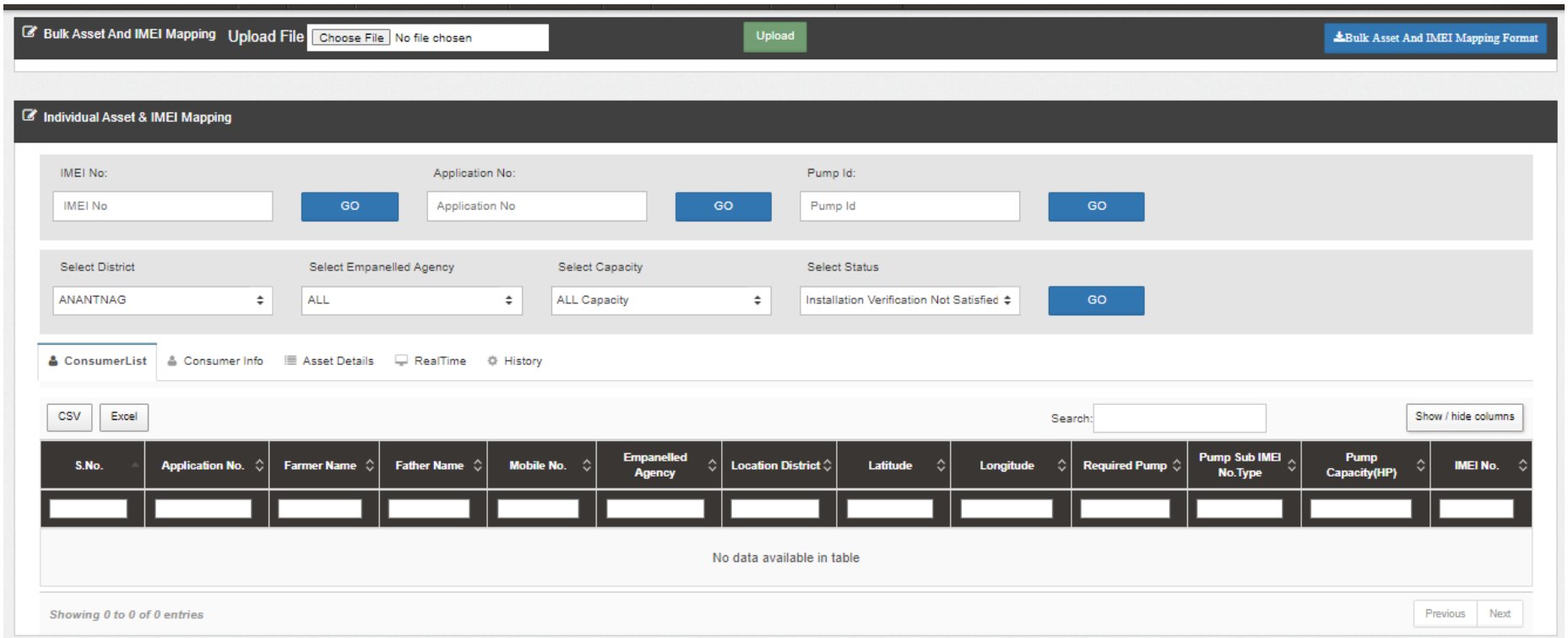


FIGURE 232 ASSET MAPPING BY EA DASHBOARD

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

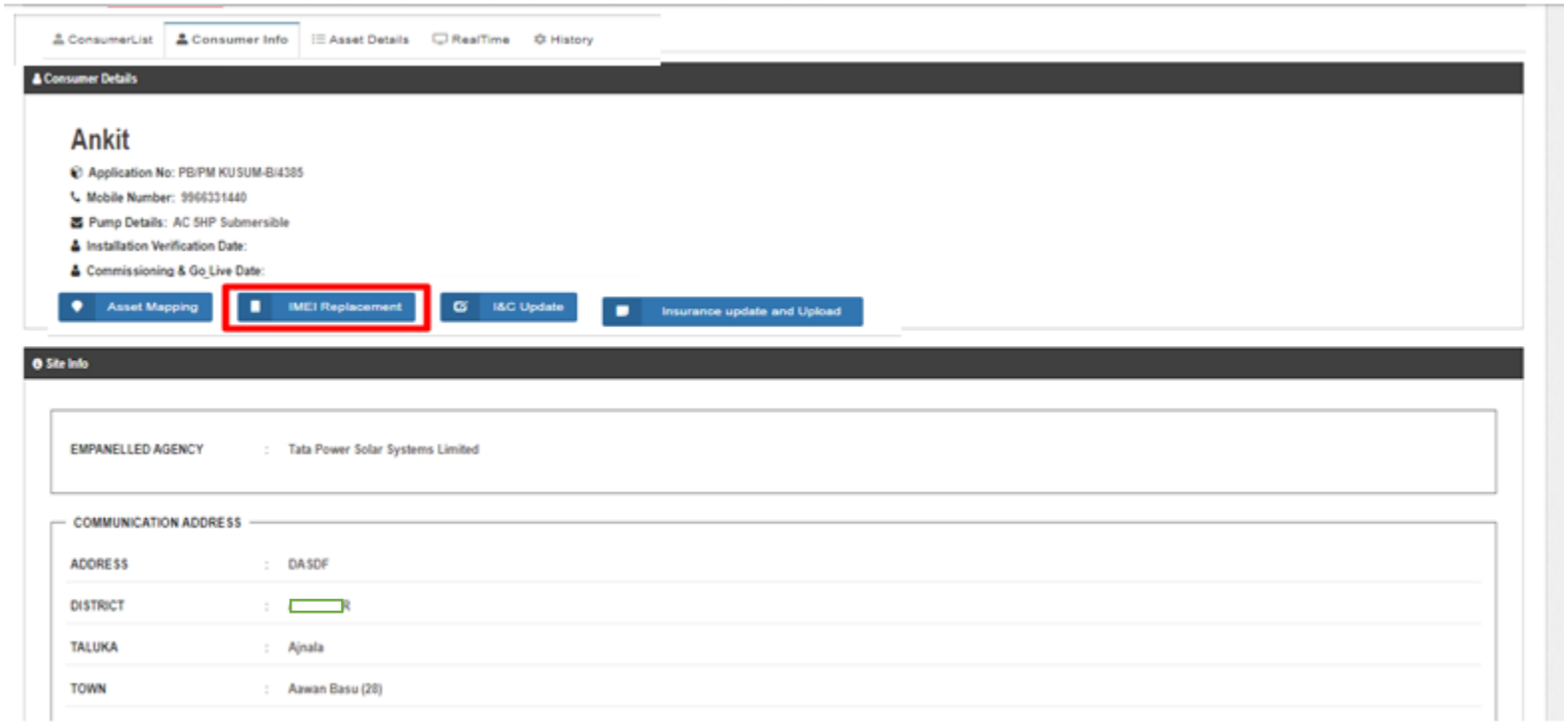


FIGURE 233 IMEI REPLACEMENT BUTTON

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

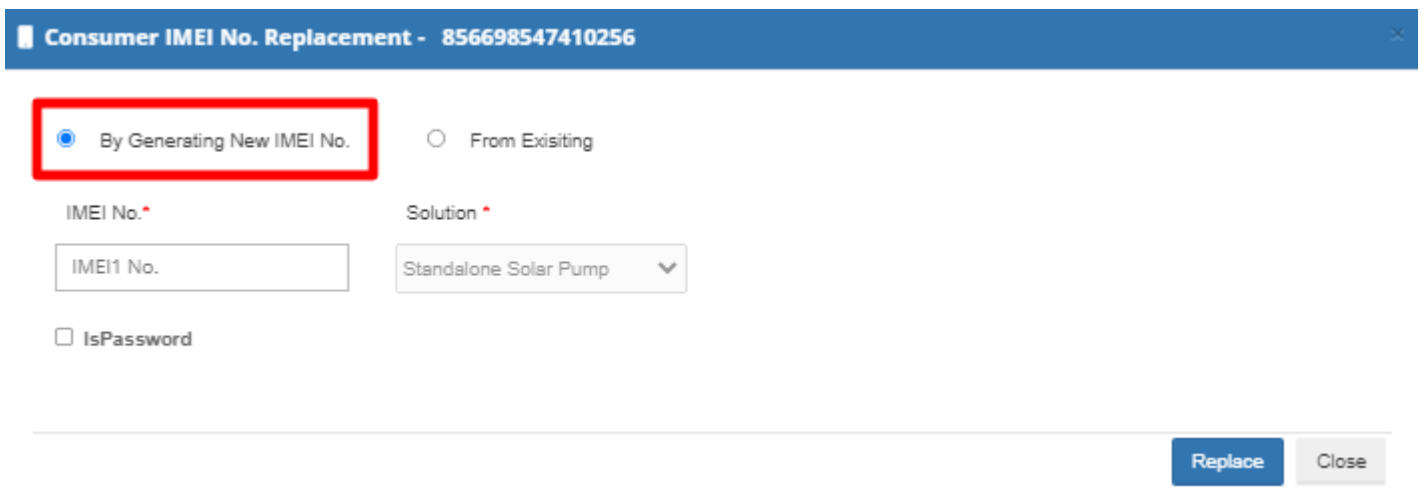


FIGURE 234 IMEI NO. REPLACEMENT BY GENERATING NEW IMEI NO.

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

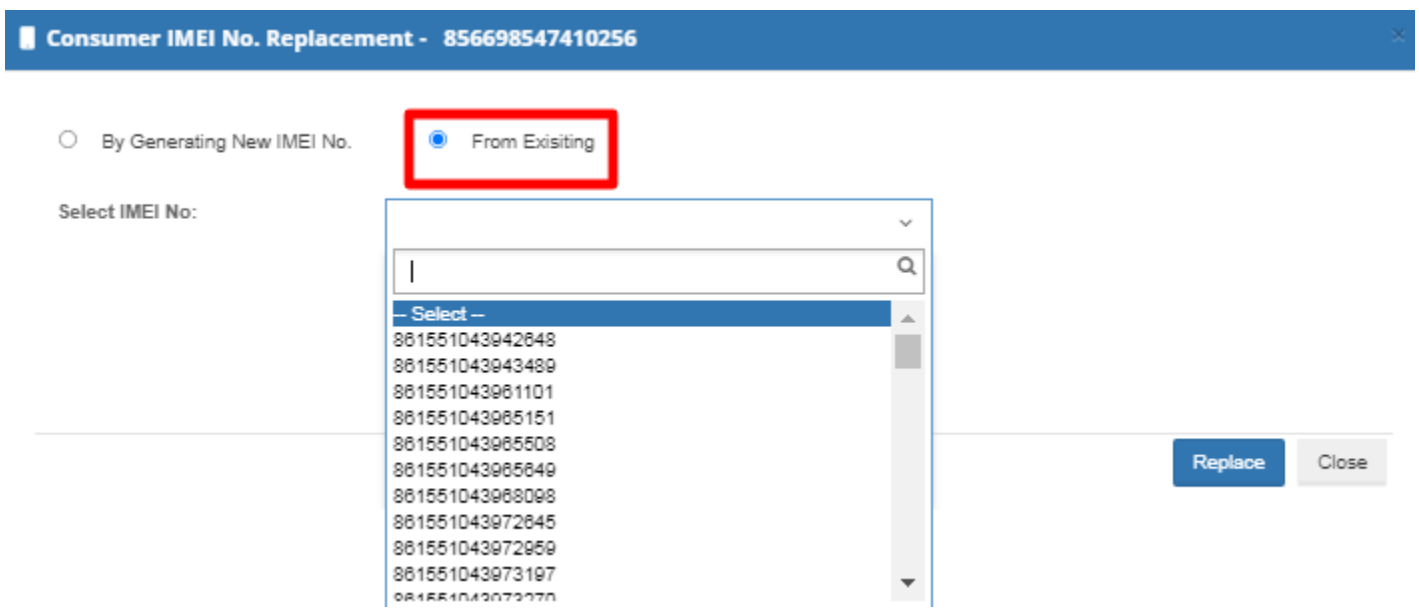


FIGURE 235 IMEI NO. REPLACEMENT FROM REGISTERED IMEI NOS.

28. SIGN OUT

- The users can log out or sign out from the State SEDM Portal by following 2 methods.
- Either by clicking onto the ‘User’ icon, present at the top right corner on the title bar of the SEDM Portal (pointed in below Figure 236) and then selecting the option of ‘Logout’ (highlighted in red in below Figure 236).

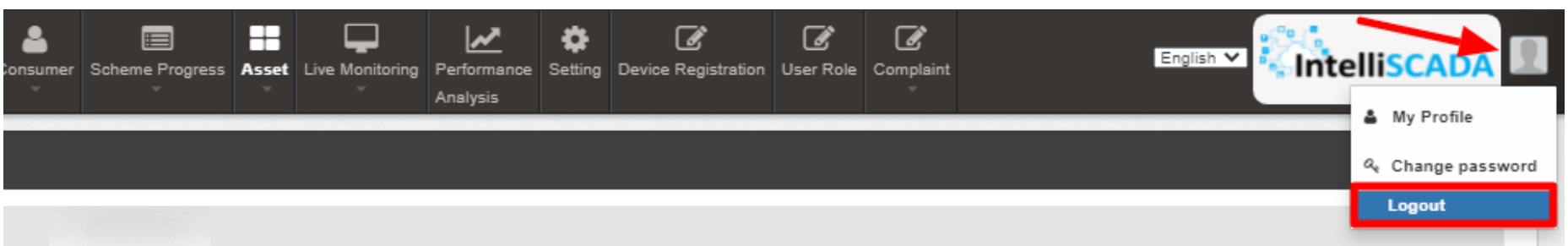


FIGURE 236 LOGOUT

- The second method is to first click onto the ‘Home’ page button on the title bar of the SEDM Portal (pointed in red in below Figure 237), and then on the Home Page selecting the option of ‘Sign Out’ present in the form of a blue coloured button on the top right corner of the page (highlighted in red in Figure 238)

FIGURE 237 HOME SELECTED

FIGURE 238 SIGN OUT

29. SUPPORT TEAM CONTACT DETAILS

Name	Designation	Organization	Email	Phone
Mr. Surinder Pal Singh	Manager	JAKEDA	surinderpal.singh72@jammuandkashmir.gov.in	9463102385
Mr. Jaspreet Singh	-	JAKEDA	jaspreet.singh603@jammuandkashmir.gov.in	7009978502
Mr. Bikram Singh	Assistant Manager (T)	JAKEDA	bvsingh@jakeda.gov.in	8558870510

ANNEXURE-I (SITE SURVEY DONE)

SITE SURVEY DONE

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

❖ INTRODUCTION

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

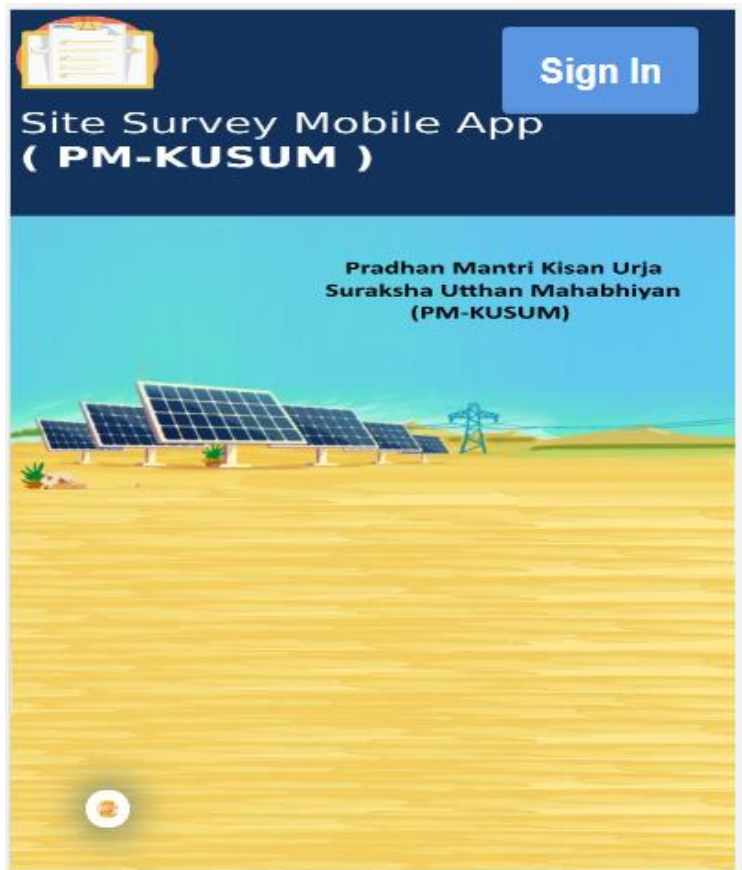


FIGURE 239 WELCOME PAGE OF SITE SURVEY MOBILE APPLICATION

❖ SIGN IN

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

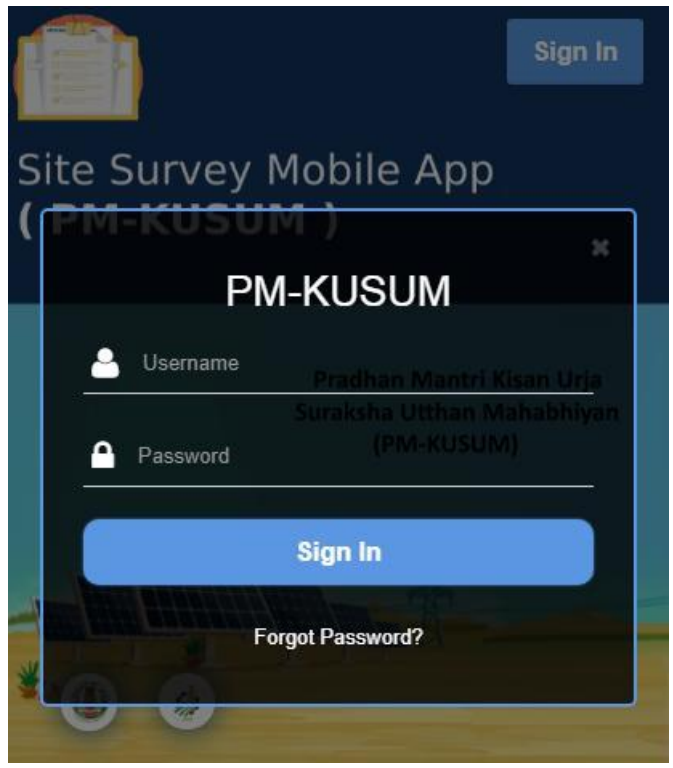


FIGURE 240 SIGN IN BOX

❖ SITE SURVEY

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

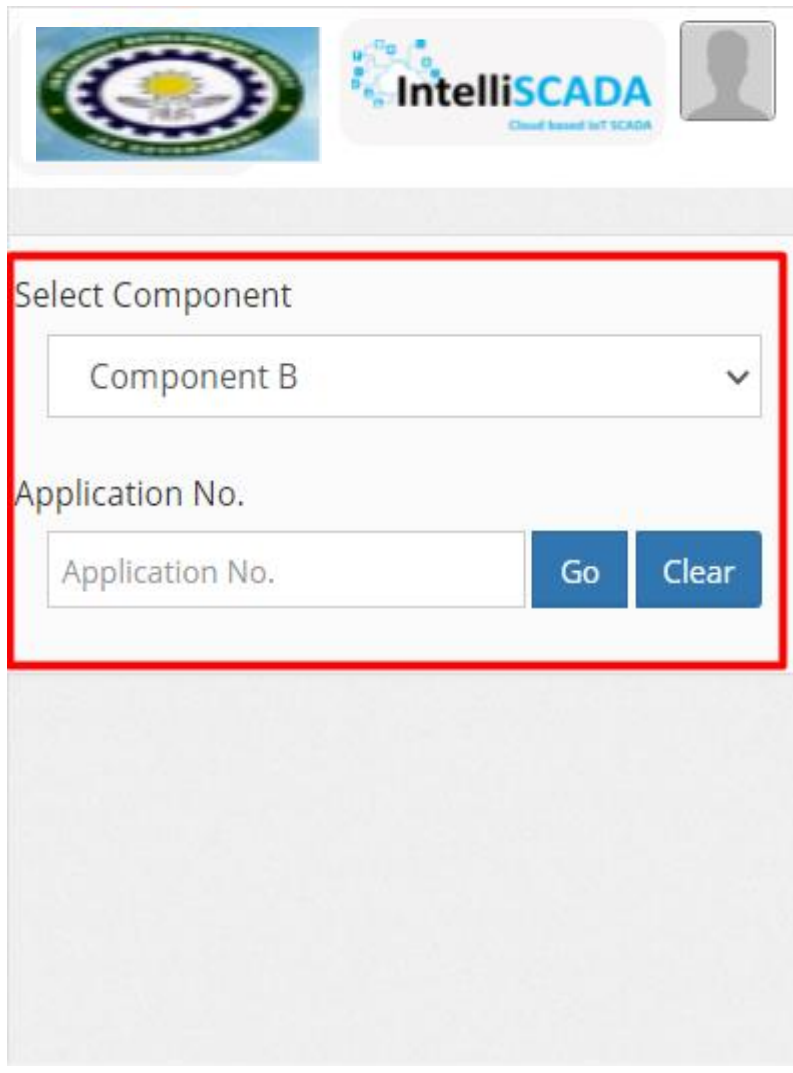
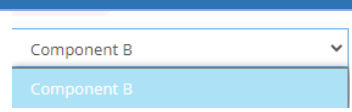


FIGURE 241 SELECT COMPONENT AND APPLICATION NO

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	-	✓	JK/PM KUSUM-B/4375	Entering consumer/farmer's application number , authorized users can view, manage and edit the site management details by using this mobile application

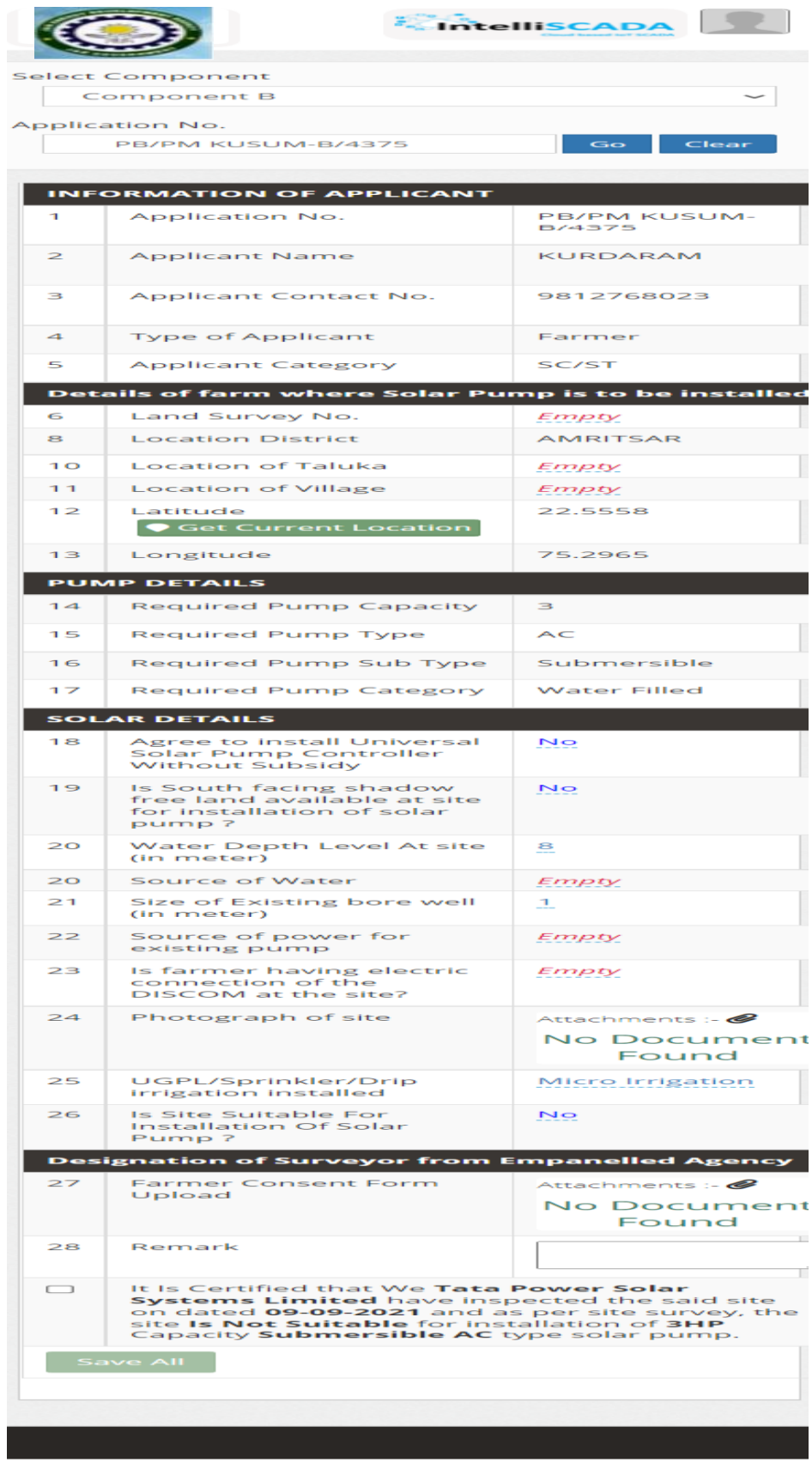


FIGURE 242 CONSUMER SITE SURVEY DETAILS

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

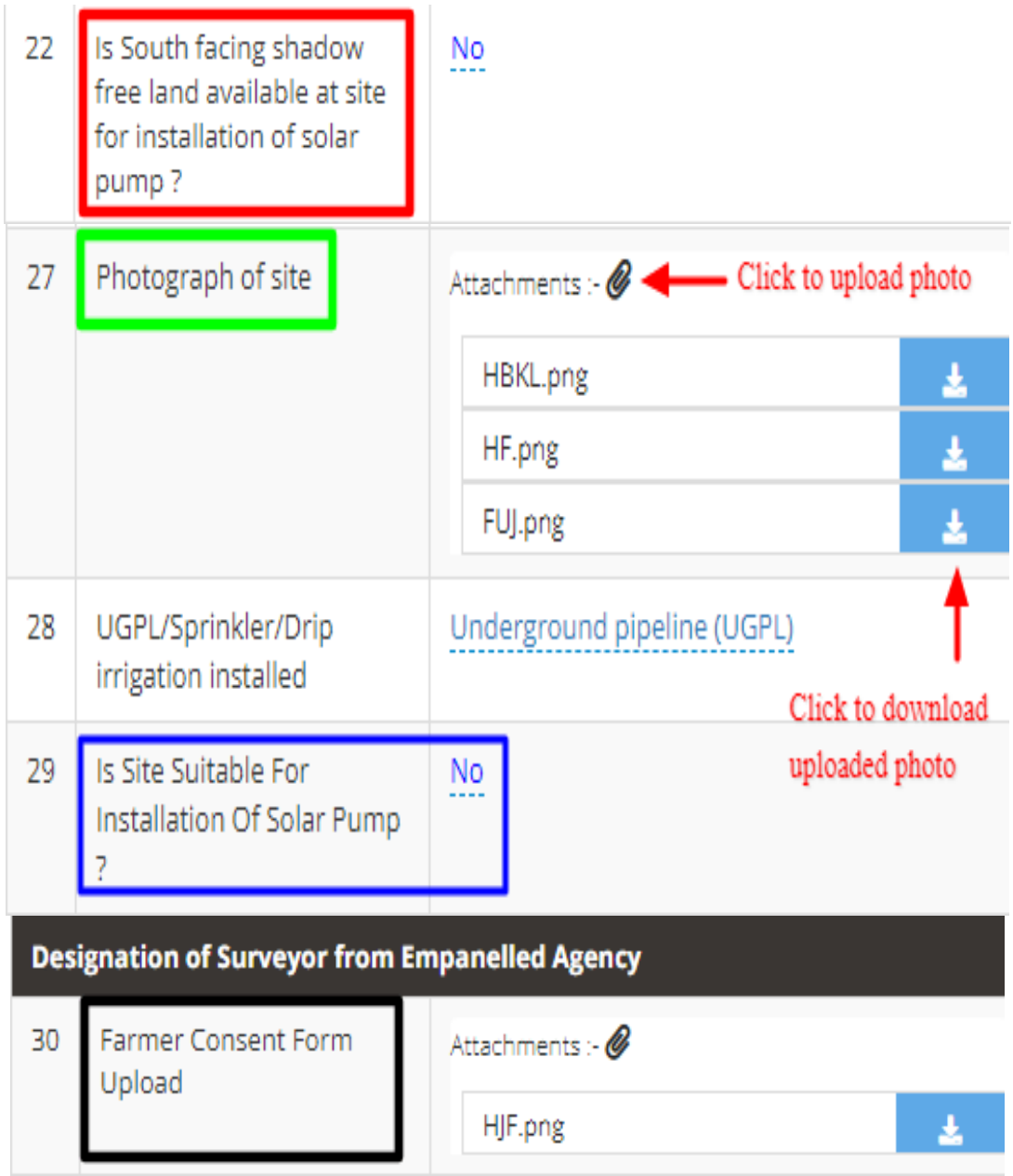


FIGURE 243 KEY POINTS OF SITE SURVEY DETAILS

- **Point 18, Is facing shadow free land available at site for installation of solar pump? (as shown in Figure 243 highlighted in red)**
  The site inspection officer checks for the land and sun direction to deem if the site is feasible for solar plant installation or not.

- **Point 24, Photograph of site (as shown in Figure 243 highlighted in green)**
  After the inspection, the EA officer also uploads the relevant pictures of the land on the portal for District Officer or EA team to review.

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

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

- **Point 27, Farmer Consent Form (as shown in Figure 243, highlighted in black)**
  After the survey inspection is done and all parameters are approved by the reviewing EA officer then a photo of the signed documents and also of the farm land along with the farmer and EA officer are clicked, and then uploaded onto the SEDM portal for verification purposes in the future.

- **Point 29 & 30, Latitude and Longitude**
  When the farmer uses the Site Survey Mobile Application, the live coordinates of his farm location are synced from that app and updated in the SEDM portal.
  By clicking on the below highlighted button “Get Current Location” , user will get the current Latitude and Longitude of the installed Pump.
  It will be used to verify the location provided during registration with this current location whether both are same or not.

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

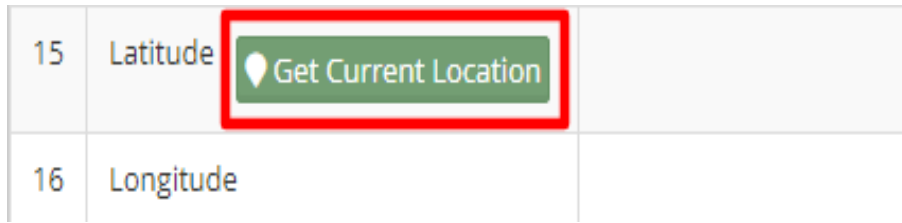


FIGURE 244 GET CURRENT LOCATION BUTTON

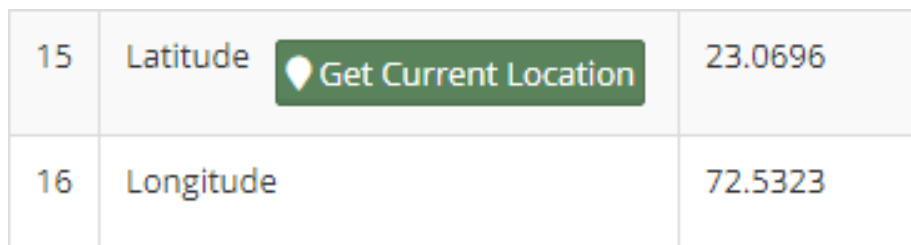


FIGURE 245 LATITUDE-LONGITUDE

❖ SIGN OUT

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

FIGURE 246 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 247 DEVICE REGISTRATION

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

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

- To upload the CSV file for bulk registration of IMEI nos., EA user can download the format of CSV file by clicking on the “Download IMEI CSV File” blue button from the Device Registration dashboard. (highlighted in red in below Figure 248)

FIGURE 248 IMEI BULK UPLOAD

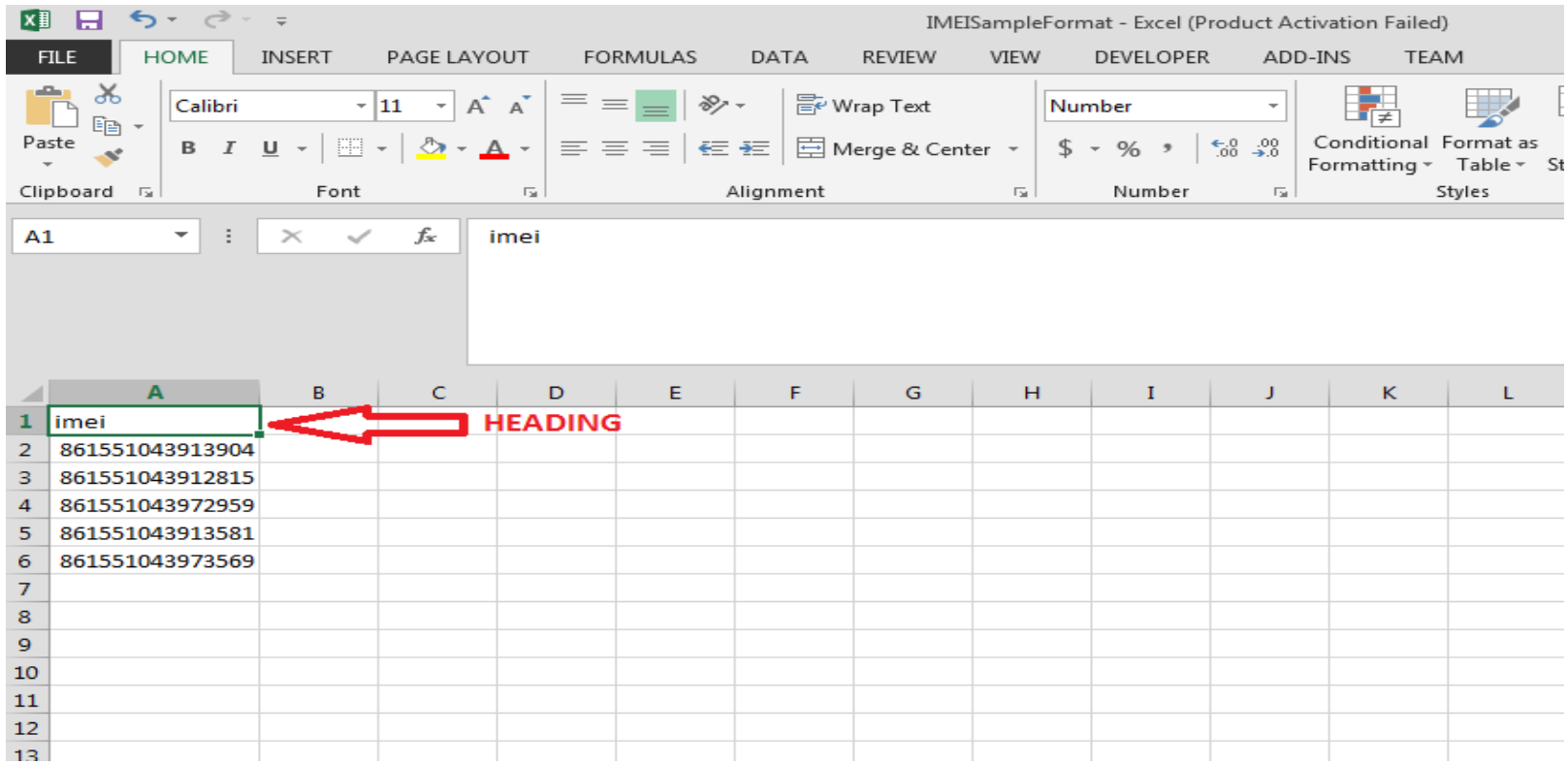


FIGURE 249 IMEI NO. CSV FORMAT

- The above image is the CSV file format of IMEI nos.
- EA user has to keep the heading “imei” as shown in the first row of CSV file and has to enter their own IMEI nos. starting from the 2nd row as shown in the above Figure 249.
- After creating the CSV file carrying IMEI nos., user has to click on the “Upload Device Registration” button as highlighted in blue in Figure 248: “IMEI bulk upload”.
- A window screen will appear to upload the CSV file carrying IMEI nos. as shown in below Figure 250.

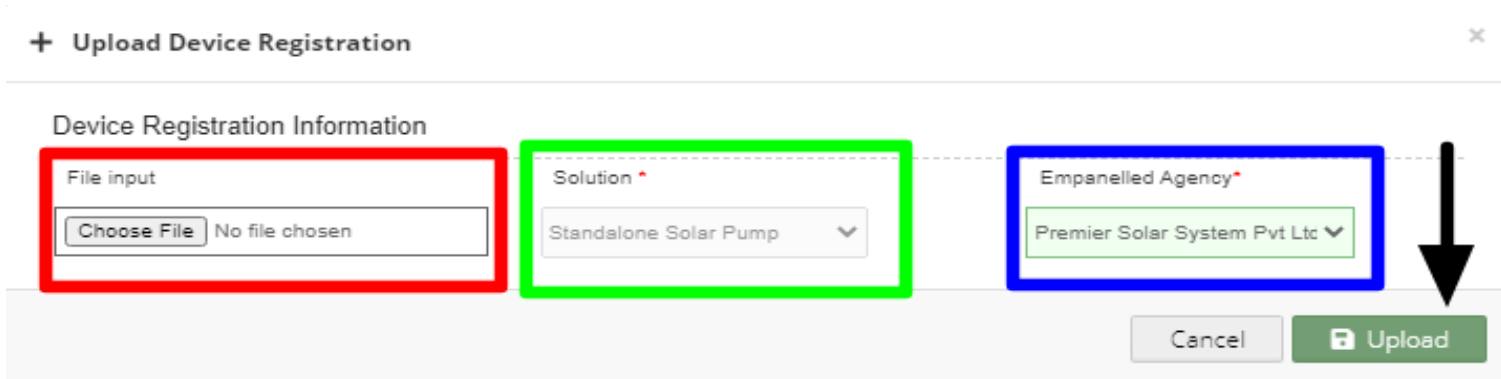


FIGURE 250 UPLOAD IMEI NO. CSV

- In above screen, EA user can upload IMEI csv file by clicking on the “Choose File” button. (highlighted in red in above Figure 250)
- The above screen arrives with the two filters which is by default selected i.e. “Solution” and “Empanelled Agency”
- EA user can see by default his Empanelled Agency name. (highlighted in blue in above Figure 250)

➢ Registration of single IMEI no.

- EA user can also register single IMEI no, manually by clicking on the “Add New Device Registration” button from the Device Registration Dashboard. (pointed in below Figure 251)

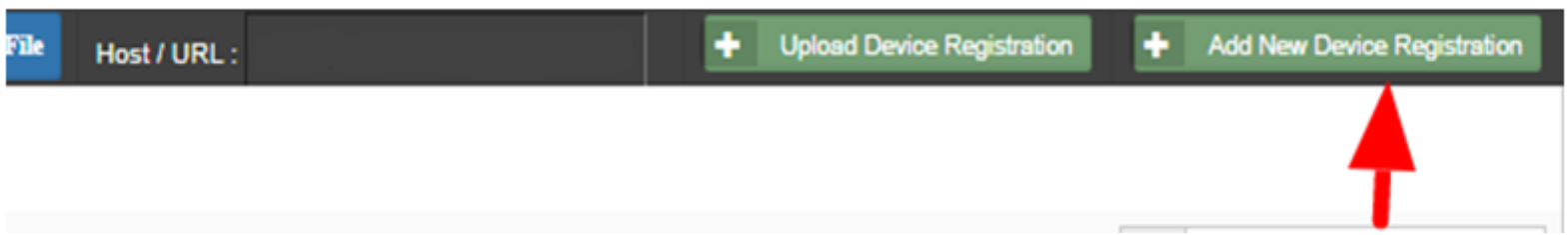


FIGURE 251 ADD NEW DEVICE REGISTRATION BUTTON

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

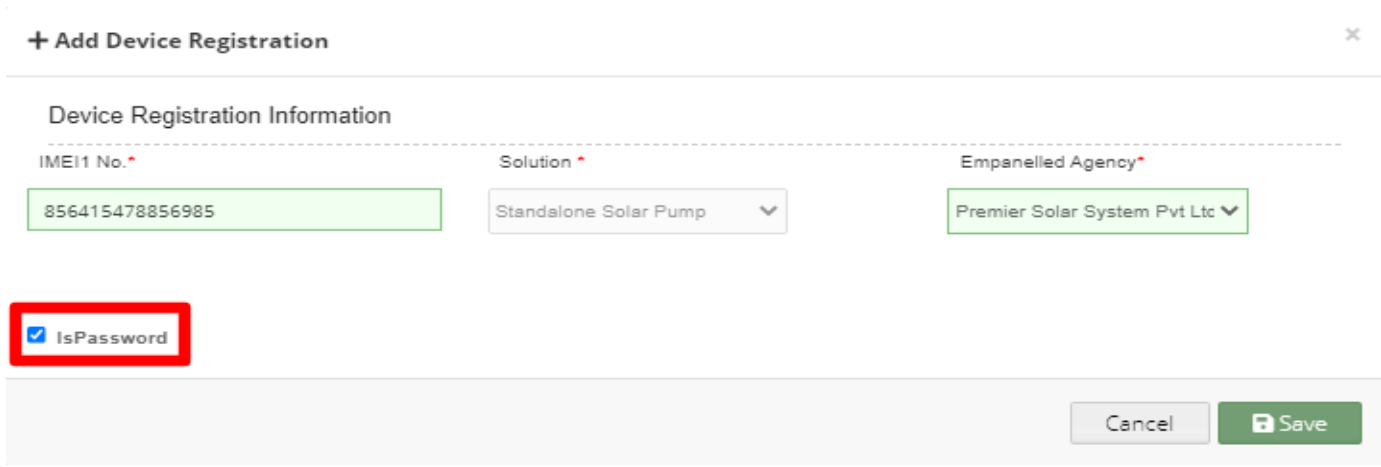


FIGURE 252 ADD DEVICE REGISTRATION

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

Disclaimer

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