# **USER MANUAL**

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



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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 C Feeder Level Solarisation for PMKUSUM' with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH ("the Client").

### Contents

1.	INTRODUCTION TO PM-KUSUM SCHEME	7
2.	SEDM PURPOSE & VISION	9
3.	WELCOME PAGE	9
4.	SIGN IN ON SEDM PLATFORM	
5.	HOME PAGE	
6.	USER PROFILE PAGE	
7.	CHANGE PASSWORD	
8.	REGISTER NEW STATE IMPLEMENTING AGENCY (SIA)	
9.	SETTING MODULE	
10	USER ROLE MANAGEMENT	
1	10.1 Register New User	
11	MASTER SETTINGS (CONFIGURATIONS)	
1	11.1REGISTRATION OF MANUFACTURER DETAILS	
1	11.2REGISTRATION OF PRODUCT DETAILS	
1	11.3REGISTRATION OF TENDER CHECKLIST	74
1	11.4REGISTRATION OF TENDER CHECKLIST DETAILS	
1	11.5AUDIT TRAIL	
1	11.6 APPLICATION WORKFLOW STAGES	
12	CONSUMER/FARMER APPLICATION REGISTRATION	
1	12.1No of Solar Plants	
1	12.2PLANT LOCATION	100
1	12.3LOA Awards	102
1	12.4 PPA Signing	105
1	12.5Financial Clearance	106
13	LIVE MONITORING	107
14	SUMMARY	113
15.	SCHEME PROGRESS	119
16.	. SCHEME PROGRESS REPORT	120
1	16.1Chart view Empanelled Agency Wise	127
1	16.2Installer wise list of beneficieries	127
1	16.3Chart View Installer wise	128
	129	
17	SIGN OUT	129

18 SUPPORT TEAM CONTACT DETAILS 131
ANNEXURE-I (IMEI NUMBER REGISTRATION)

	6
Table 1 Glossary	
Table 2 ORL LINKS	0 6
Table 5 MINIMOM EQUIMENT REQUIRED TO ACCESS STATE SEDM FLATFORM	
Table 5 EMIFANELLED AGENCT DASINDOARD DESCRIPTION	۲۷۲
Table 10 LISER ROLE DROPDOWN	
	40
	43 43 47
Table 13 EA NATE CARD DASINGCARD EXTERNATION	50 50
Table 15 EA STORE SUB LOCATION REGISTRATION FIELDS DESCRIPTION	61
Table 16 MANUEACTURER DASHBOARD EXPLANATION	64
	40
Table 18 PRODUCT DASHBOARD EXPLANATION	
Table 10 PRODUCT REGISTRATION FIELDS DESCRIPTION	
	73
Table 22 TENDER CHECKLIST REGISTRATION TIELDS DESCRIPTION	
Table 22 TENDER CHECKLIST TEMPLATE REGISTRATION FIELDS DESCRIPTION	
Table 24 FARMER APPLICATION WORKELOW STAGES	20
Table 25 APPLICATION AND CONSUMER DETAILS	Q1
Table 26 OTHER DETAILS	03 03
Table 27 TARIEF DETAILS	03 03
Table 20 LIVE MONITORING - LAPLANATION OF THREE BOALS	115
	10
Figure 2 HAQ	
Figure 3 MINDI SELECTED	
Eigure 5 DM_KUSUM C EEEDED I EVEL SOLADISATION (C ELS) DISTRICT WISE DETAILS	
Figure 5 PM-ROSOM CTELDER ELVEL SOLARISATION (CTES) DISTRICT WISE STATUS REPORT	14 11
FIGURE O INSTALLERS	
Figure & TRACK ADDI ICATION REDORT	10 16
Figure 12 SIGN IN PAGE	10
Figure 13 SIGN IN SCREENS	۳۵ مر
Figure 14 HOME FAGE	۲
Elaura 19 MODIII ES	Z۵

	25
	20
FIGURE 20 EMPANELLED AGENCY TAB	26
Figure 21 EMPANELLED AGENCY TAB DASHBOARD	26
Figure 22 NEW EMPANELLED AGENCY DETAILS	28
Figure 23 STATE IMPLEMENTING AGENCY TAB	29
Figure 24 STATE IMPLEMENTING AGENCY TAB DASHBOARD	30
Figure 25 NEW SUB DIVISION DETAILS	32
Figure 26 USER ROLE MODULE	33
Figure 27 ADD USER BUTTON ON USER ROLE DASHBOARD	34
Figure 28 ADD USER FORM	35
Figure 29 USER RIGHTS	36
Figure 30 MODULE ROLES	41
	 13
Figure 31 CONSOMER I UNCTIONALITY	43
FIGURE 22 SCHEWE FRUGRESS FUNCTIONALITY	44
	45
FIGURE 34 SITE SURVEY FUNCTIONALITY	45
Figure 35 LIVE MONITORING FUNCTIONALITY	45
Figure 36 DEVICE REGISTRATION FUNCTIONALITY	46
Figure 37 USER ROLE DASHBOARD	47
Figure 38 CHANGE PASSWORD SCREEN	48
Figure 39 ASSIGN FARMER RIGHTS	49
Figure 40 USER ROLE MODULE SELECTION SCREEN	50
Figure 41 DASHBOARD OF SETTINGS	52
Figure 42 EA RATE CARD TAB	52
Figure 43 EA RATE CARD DASHBOARD	53
Figure 44 CSV OF EA RATE CARD DETAILS FIGURE	54
Figure 45 NEW EA RATE CARD DETAILS	55
Figure 46 FA STORE SUB LOCATION TAB	58
Figure 47 EA STORE SUB LOCATION DASHBOARD	59
Figure 48 CSV OF FA STORE SUB LOCATION DETAILS	60
Figure 40 NEW FA STORE SUB LOCATION DETAILS	00
Figure 49 NEW EASTORE SOD LOCATION DETAILS	01 62
FIGURE 50 MANUFACTURER TAD	02
FIGURE DI MANUFACTURER TAD DADIDUARD	03
	64
	65
Figure 54 PRODUCT TAB	69
Figure 55 PRODUCT TAB DASHBOARD	70
Figure 56 CSV OF PRODUCT DETAILS	71
Figure 57 NEW PRODUCT DETAILS	72
Figure 58 TENDER CHECKLIST TAB	74
Figure 59 TENDER CHECKLIST TAB DASHBOARD	75
Figure 60 CSV OF TENDER CHECKLIST	76
Figure 61 NEW CHECKLIST DETAILS	77
Figure 62 TENDER CHECKLIST DETAIL TAB	79
Figure 63 SELECT TENDER CHECKLIST TEMPLATE	80
Figure 64 TENDER CHECKLIST TEMPLATE DASHBOARD	81
Figure 65 CSV OF TENDER CHECKLIST TEMPLATE	81
Figure 66 NFW TENDER CHECKLIST DETAILS	82
	02 Q/I
	+0 ۱ و
	04 0 <i>5</i>
I IYUIE VƏ AVDIT DASITOVAND (AFFLIED FILTENƏ)	00
FIGURE TO AUDIT DETAILO - GOV FILE	80
	88
	88
	88

Figure 75 SPG OR DEVELOPER         90           Figure 75 PEG OR DEVELOPER         92           Figure 77 PLANT LOCATION DETAILS         94           Figure 73 OTHER DETAILS         94           Figure 73 OTHER DETAIL DASHBOARD         95           Figure 83 CONSUMER/FARMER DETAIL DASHBOARD         96           Figure 83 DETAILS DASHBOARD ECEL FILE (II)         97           Figure 83 DETAILS DASHBOARD ECEL FILE (III)         97           Figure 84 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER         98           Figure 84 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER         98           Figure 84 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER         98           Figure 88 CONSUMER ADD         100           Figure 88 CONSUMER COLONION         101           Figure 88 CONSUMER COLATION         101           Figure 89 CONSUMER PLANT LOCATION         101           Figure 93 PA SIGNINO         103           Figure 93 PA SIGNINO         106           Figure 93 PA SIGNINO         106           Figure 93 PL SIGNINO         107           Figure 93 PL SIGNINO         107           Figure 93 PL SIGNINO         108           Figure 91 PLANT COLATION         108           Figure 91 PLANT COLATION         108           Figu	Figure 74 ADD FARMER FORM	89
Figure 77 Edid Feeder Details     92       Figure 73 TARIFF DETAILS     94       Figure 73 TARIFF DETAILS     94       Figure 80 DETAIL DASHBOARD     95       Figure 80 DETAIL DASHBOARD     95       Figure 80 DETAIL DASHBOARD     95       Figure 80 DETAIL DASHBOARD     96       Figure 80 DETAIL DASHBOARD     96       Figure 81 CONSUMER DETAIL DATA COLUMNS (I)     96       Figure 82 CONSUMER/FARMER DETAIL DASHBOARD     96       Figure 83 Schull DATA COLUMNS (I)     97       Figure 84 show and hide button     98       Figure 85 NO OF SOLAR PLANTS     100       Figure 80 LOA AWARD     101       Figure 80 LOA AWARD     102       Figure 91 COA AWARD     103       Figure 92 LYE MONITORING DASHBOARD CPTION     108       Figure 93 LYE MONITORING DASHBOARD     108       Figure 93 LYE MONITORING DASHBOARD     108       Figure 93 LYE MONITORING DASHBOARD     108       Figure 94 LYE MONITORING DASHBOARD     108       Figure 92 LYE MONITORING DASHBOARD     108       Figure 93 LYE MONITORING DASHBOARD     108       Figure 94 LYE MONITORING DASHBOARD     108       Figure 95 LYE MONITORING DASHBOARD     108       Figure 91 LYE MONITORING DASHBOARD     108       Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OFTION SELECT	Figure 75 SPG OR DEVELOPER	90
Figure 77 PLANT LOCATION DETAILS94Figure 78 OTHER DETAILS94Figure 87 OTHER DETAIL DASH94Figure 80 CONSUMER PETAIL DASHBOARD95Figure 81 CONSUMER/FARMER DETAIL DASHBOARD96Figure 83 DETAILS DASHBOARD EXCEL FILE (II)97Figure 83 DETAILS DASHBOARD EXCEL FILE (II)97Figure 83 CONSUMER/FARMER DETAIL DOF CONSUMER/FARMER98Figure 84 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER90Figure 84 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER90Figure 85 COLEME PROGRESS DETAIL OF CONSUMER/FARMER90Figure 85 COLEME PROGRESS DETAIL OF CONSUMER/FARMER90Figure 85 PLANT LOCATION101Figure 80 LOA AWARD102Figure 91 PLANT LOCATION103Figure 92104 AWARDFigure 93 PA SIGNING103Figure 94 FINANCIAL CLEARANCE106Figure 94 FINANCIAL CLEARANCE107Figure 95 UPDATE RMS LATITUDE - LONGITUDE109Figure 94 UPDATE RMS LATITUDE - LONGITUDE109Figure 95 UPDATE RMS LATITUDE - LONGITUDE109Figure 101 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD112Figure 102 DISTRICT PROGRESS SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 104 Variy Progress Summary - Tabular view122Figure 105 CONSUMER/FARMER MANAGEMENT SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 104 OVARIY PROGRESS	Figure 76 Grid Feeder Details	92
Figure 78 TARIFF DETAILS     94       Figure 80 DETAIL DASHBOARD     94       Figure 80 DETAIL DASHBOARD     95       Figure 80 DETAIL DASHBOARD     95       Figure 80 DETAIL DASHBOARD     95       Figure 81 CONSUMER DETAIL DASHBOARD     96       Figure 82 CONSUMER/FARMER DETAIL DASHBOARD     97       Figure 83 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER     99       Figure 85 NO OF SOLAR PLANTS     100       Figure 80 LOA AWARD     101       Figure 80 LOA AWARD     102       Figure 80 LOA AWARD     103       Figure 91 COA AWARD     103       Figure 92 LANT LOCATION     103       Figure 93 LOA AWARD     106       Figure 93 LANT LOCATION     106       Figure 93 LANT LOCATION     106       Figure 93 LANT LOCATION     106       Figure 94 LIVE MONITORING DASHBOARD OPTION     106       Figure 95 LIVE MONITORING DASHBOARD OPTION     106       Figure 92 LIVE MONITORING DASHBOARD OPTION     108       Figure 91 LOCANSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD     114       Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD     114       Figure 101 DISTRICT NYISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT     129       Figure 101 OSTRICT NYISE SUMMARY OF APPLICATIONS RECEIVED FOR VARI	Figure 77 PLANT LOCATION DETAILS	94
Figure 80 DETAILS     94       Figure 81 CONSUMER DETAIL DATA COLUMNS (I)     95       Figure 82 CONSUMER/EARMER DE TAIL DATA COLUMNS (I)     95       Figure 83 CONSUMER/EARMER DE TAIL DATA COLUMNS (I)     96       Figure 83 CONSUMER/FARMER DE TAIL DASHBOARD     96       Figure 84 SONEMER/FARMER DE TAIL DASHBOARD     96       Figure 84 SONEMER/FARMER DETAIL OF CONSUMER/FARMER     98       Figure 85 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER     96       Figure 84 SON OF SOLAR PLANTS     100       Figure 83 PLANT LOCATION     101       Figure 83 PLANT LOCATION     101       Figure 83 PLANT LOCATION     102       Figure 83 DPA SIGNING     103       Figure 83 PLANT LOCATION     103       Figure 83 PLANT LOCATION     103       Figure 84 PLANT LOCATION     103       Figure 83 DPA SIGNING     103       Figure 83 PLANT LOCATION     106       Figure 84 PLANT LOCATION     103       Figure 82     00 AUMARD     106       Figure 84 PLANT LOCATION     106       Figure 85 CONSUMER/FARMER     106       Figure 80 LVE MONITORING DASHBOARD OPTION     106       Figure 81 SCHEMER DETAIL SCHEMERT SO FIGURE SUMMARY OF AUPLICATION SELECTED ON CONSUMER/FARMER DASHBOARD     112       Figure 101 CONSUMER/FARMER MANAGEMEENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD	Figure 78 TARIFF DETAILS	94
Figure 80 DETAIL DASHBOARD       95         Figure 80 DETAIL DASHBOARD       96         Figure 82 CONSUMER DETAIL DASHBOARD       96         Figure 83 DETAILS DASHBOARD EXCEL FILE (II).       97         Figure 83 Scheme Procencess DETAIL DF CONSUMER/FARMER       99         Figure 83 CHEME PROCENCESS DETAIL OF CONSUMER/FARMER       99         Figure 84 Show and hide button       97         Figure 85 CHEME PROCENCESS DETAIL OF CONSUMER/FARMER       99         Figure 80 NO F SOLAR PLANTS       90         Figure 80 AN OF SOLAR PLANTS       100         Figure 80 CONSUMER/FARMER       100         Figure 80 COA AWARD       101         Figure 91 PLANT LOCATION       102         Figure 92 PAS IGNING       103         Figure 93 PA SIGNING       106         Figure 93 PA SIGNING       106         Figure 93 LIVE MONITORING DASHBOARD OPTION       100         Figure 93 LIVE MONITORING DASHBOARD       100         Figure 93 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       110         Figure 101 INDIVIDUAL APPLICATION STAGE       110         Figure 102 ODSTIRCIT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT       119         Figure 101 INDIVIDUAL APPLICATION STAGE       120         Figure 102 DISTRICT P	Figure 79 OTHER DETAILS	94
Figure 81 CONSUMER DETAIL DATA COLUMNS (I)       95         Figure 82 CONSUMER/FARMER DETAIL DASHBOARD       96         Figure 83 DETAILS DASHBOARD EXCEL FILE (II)       97         Figure 84 show and hide button       98         Figure 84 show and hide button       98         Figure 84 show and hide button       99         Figure 84 show and hide button       100         Figure 84 FLANT LOCATION       101         Figure 89 LANT LOCATION       101         Figure 89 LANT LOCATION       102         Figure 90 LOA AWARD       103         Figure 91 PLANT LOCATION       103         Figure 92 PLANT LOCATION       103         Figure 93 PA SIGNING       106         Figure 94 FINANCIAL CLEARANCE       106         Figure 95 LIVE MONITORING DASHBOARD OPTION       106         Figure 95 LIVE MONITORING DASHBOARD       106         Figure 91 IVALID CARTING DASHBOARD       107         Figure 92 UPDATE RMS LATITUDE - LONGITUDE       108         Figure 93 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       114         Figure 101 INDIVIDUAL APPLICATION STAGE       112         Figure 103 SCHEME PROGRESS JUBTAILS       120         Figure 104 CONSUMER/FARMER MANAGEMEMENT SUMMARY OF TABULAT view       122 <t< td=""><td>Figure 80 DETAIL DASHBOARD</td><td> 95</td></t<>	Figure 80 DETAIL DASHBOARD	95
Figure 82 CONSUMER/FARMER DETAIL DASHBOARD       96         Figure 83 brow and hide button       97         Figure 84 show and hide button       98         Figure 85 CHEME PROGRESS DETAIL OF CONSUMER/FARMER       98         Figure 85 CHEME PROGRESS DETAIL OF CONSUMER/FARMER       98         Figure 85 COLAR PLANTS       100         Figure 85 COLAR PLANT LOCATION       101         Figure 80 COA WWARD       102         Figure 91 CAA WARD       103         Figure 91 PLANT LOCATION       103         Figure 93 PA SIGNING       103         Figure 93 PA SIGNING       106         Figure 93 PA SIGNING       106         Figure 93 PLA SIGNING       106         Figure 93 LIVE MONITORING DASHBOARD OPTION       108         Figure 93 FUVE MONITORING DASHBOARD       108         Figure 93 IVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       110         Figure 91 INALID FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD       114         Figure 101 INDIVIDUAL APPLICATION STAGE       110         Figure 103 SCHEME PROGRESS JETAILS       120         Figure 104 Vearly Progress Summary - Charl Veaw       122         Figure 105 DISTRICT-WIGS SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT       118	Figure 81 CONSUMER DETAIL DATA COLUMNS (I)	95
Figure 83 DETAILS DASHBOARD EXCEL FILE (II)       97         Figure 83 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER       98         Figure 85 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER       99         Figure 85 TRANS       100         Figure 85 TRANS       100         Figure 85 TRANS       100         Figure 85 TRANS       101         Figure 80 LOA AWARD       101         Figure 90 LOA AWARD       103         Figure 91 DAA TLOCATION       103         Figure 92       106         Figure 93 PA SIGNING       106         Figure 94 FINANCIAL CLEARANCE       106         Figure 95 LIVE MONITORING DASHBOARD OPTION       108         Figure 94 FINANCIAL CLEARANCE       106         Figure 95 LIVE MONITORING DASHBOARD       106         Figure 95 LIVE MONITORING DASHBOARD       106         Figure 96 LIVE MONITORING DASHBOARD       108         Figure 91 NVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       112         Figure 101 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD       114         Figure 101 INDIVIDUAL APPLICATION STAGE       120         Figure 101 ONDIVIDUAL APPLICATION STAGE       120         Figure 103 SCHEME PROGRESS SUMMARY - CHART VIEW       123	Figure 82 CONSUMER/FARMER DETAIL DASHBOARD	96
Figure 84 show and hide button       98         Figure 85 CHEME PROGRESS DETAIL OF CONSUMER/FARMER       99         Figure 86 NO OF SOLAR PLANTS       100         Figure 87 PLANT LOCATION       101         Figure 88 PLANT LOCATION       101         Figure 89 Consumer detail       102         Figure 91 PLANT LOCATION       103         Figure 92 PPA SIGNING       103         Figure 93 PPA SIGNING       106         Figure 93 PPA SIGNING       106         Figure 95 LIVE MONITORING DASHBOARD OPTION       108         Figure 95 LIVE MONITORING DASHBOARD       109         Figure 95 LIVE MONITORING DASHBOARD       109         Figure 95 LIVE MONITORING DASHBOARD       109         Figure 94 UPDATE RMS LATITUDE - LONGITUDE       109         Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD       112         Figure 101 DIVIDULA LAPPLICATION STAGE       120         Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT       118         Figure 103 SCHEME PROGRESS SUMMARY - CHART VIEW       123         Figure 104 Vearly Progress Summary - T	Figure 83 DETAILS DASHBOARD EXCEL FILE (II)	97
Figure 85 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER     99       Figure 85 NO OF SOLAR PLANTS     100       Figure 86 NO OF SOLAR PLANTS     101       Figure 87 PLANT LOCATION     101       Figure 87 PLANT LOCATION     101       Figure 87 PLANT LOCATION     101       Figure 98 DLOA AWAPD     103       Figure 99 LOA AWAPD     103       Figure 91 PLANT LOCATION     103       Figure 92 PLANT LOCATION     103       Figure 93 PPA SIGNING     106       Figure 94 FINANCIAL CLEARANCE     106       Figure 95 LIVE MONITORING DASHBOARD OPTION     108       Figure 95 LIVE MONITORING DASHBOARD     108       Figure 97 LIVE MONITORING DASHBOARD     100       Figure 90 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD     110       Figure 91 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD     114       Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD     114       Figure 101 DIVIDUAL APPLICATION STAGE     120       Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT     119       Figure 104 Yearly Progress Summary - Tabular view     122       Figure 105 DISTRICT PROGRESS DETAILS     120       Figure 106 DISTRICT PROGRESS SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT     129       Figure 104 V	Figure 84 show and hide button	98
Figure 86 NO OF SOLAR PLANTS.100Figure 87 PLANT LOCATION101Figure 88 PLANT LOCATION101Figure 89 LOAN LOCATION102Figure 91 DA AWARD.103Figure 91 DA AWARD.103Figure 91 DANTLOCATION103Figure 92 LOA AWARD.106Figure 93 PPA SIGNING106Figure 93 PPA SIGNING ADAMAGE106Figure 94 INANCIAL CLEARANCE106Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 95 LIVE MONITORING DASHBOARD108Figure 97 LIVE MONITORING DASHBOARD109Figure 97 LIVE MONITORING DASHBOARD110Figure 97 LIVE MONITORING DASHBOARD112Figure 91 LOX AWARD PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD112Figure 100 CONSUMER/FARMEER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 DIDVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 CHEME PROGRESS VOETALLS.120Figure 104 Yearly Progress Summary - Tabular view123Figure 105 Vearly Progress Summary - Tabular view123Figure 104 Vearly Progress SUMMARY - CHART VIEW123Figure 105 Vearly Progress SUMMARY - CHART VIEW123Figure 106 Strict Progress SUMMARY - CHART VIEW124Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW128Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW128Figure 111 Chart view Installer wise126Figure 112 tabular view	Figure 85 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER	99
Figure 87 PLANT LOCATION101Figure 87 PLANT LOCATION101Figure 89 consumer detail102Figure 99 OL DA AWARD103Figure 91 PLANT LOCATION103Figure 92106Figure 93 PPA SIGNING106Figure 93 PPA SIGNING106Figure 94 FINANCIAL CLEARANCE107Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 95 LIVE MONITORING DASHBOARD108Figure 95 LIVE MONITORING DASHBOARD108Figure 96 LIVE MONITORING DASHBOARD109Figure 97 LIVE MONITORING DASHBOARD109Figure 99 INVALID PARTE RMS LAINTUDE - LONGITUDE110Figure 91 OCONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD112Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 OSTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETALS120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 SCHEME PROGRESS / DETALS120Figure 106 District Progress Summary - Chart view123Figure 107 LISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 108 Tabular view of solution wise124Figure 108 Tabular view of solution wise126Figure 109 Chart view Solution wise126Figure 110 Chart view Solution wise126Figure 110 Chart view Installer wise128Figure 111 Chart view Empanelled agency wise128Figure 112 Abular view of solution wise128F	Figure 86 NO OF SOLAR PLANTS	100
Figure 88 PLANT LOCATION       101         Figure 80 LOA AWARD       102         Figure 91 PLANT LOCATION       103         Figure 92 DAA AWARD       103         Figure 93 PFA SIGNING       106         Figure 93 PFA SIGNING CARD       106         Figure 94 FINANCIAL CLEARANCE       107         Figure 95 LIVE MONITORING DASHBOARD OPTION       108         Figure 94 LIVE MONITORING DASHBOARD       109         Figure 95 LIVE MONITORING DASHBOARD       109         Figure 96 LIVE MONITORING DASHBOARD       109         Figure 96 LIVE MONITORING DASHBOARD       109         Figure 91 DAAL DARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       110         Figure 101 INDIVIDUAL APPLICATION STAGE       110         Figure 102 IDSTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT       119         Figure 103 SCHEME PROGRESS DETAILS       120         Figure 104 INDIVIDUAL APPLICATION STAGE       121         Figure 105 Yearly Progress Summary - Tabular view       122         Figure 105 Yearly Progress Summary - Tabular view       122         Figure 105 Yearly Progress Summary - CHART VIEW       123         Figure 104 Tabular view of solution wise       124         Figure 105 TRICT PROGRESS SUMMARY - CHART VIEW       123	Figure 87 PLANT LOCATION	101
Figure 89 consumer detail       102         Figure 81 COA AWARD       103         Figure 91 PLANT LOCATION       103         Figure 92       106         Figure 93 PPA SIGNING       106         Figure 93 PPA SIGNING       106         Figure 94 FINANCIAL CLEARANCE       107         Figure 95 LIVE MONITORING DASHBOARD OPTION       108         Figure 96 LIVE MONITORING DASHBOARD       108         Figure 96 LIVE MONITORING DASHBOARD       109         Figure 99 LIVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       110         Figure 101 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD       114         Figure 101 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD       114         Figure 101 SCHEME PROGRESS/ DETAILS       120         Figure 103 SCHEME PROGRESS / DETAILS       120         Figure 104 Yearly Progress Summary - Tabular view       122         Figure 105 DISTRICT PROGRESS SUMMARY - CHART VIEW       123         Figure 106 District Progress Summary - Tabular view       123         Figure 108 Tabular view of solution wise       124         Figure 108 Tabular view of solution wise       125         Figure 108 Tabular view of solution wise       126         Figure 101 tabular view install	Figure 88 PLANT LOCATION	101
Figure 91 PLANT LOCATION103Figure 91 PLANT LOCATION103Figure 92106Figure 92106Figure 93 PPA SIGNING106Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 95 LIVE MONITORING DASHBOARD108Figure 95 LIVE MONITORING DASHBOARD109Figure 95 LIVE MONITORING DASHBOARD109Figure 97 LIVE MONITORING DASHBOARD110Figure 98 UPDATE RMS LATITUDE - LONGITUDE110Figure 91 LIVE MONITORING DASHBOARD112Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Vearly Progress Summary - Tabular view121Figure 105 Yearly Progress Summary - Chart view122Figure 106 District Progress Summary - Chart view123Figure 106 District PROGRESS SUMMARY OF APPLICATIONE126Figure 106 District PROGRESS SUMMARY - CHART VIEW123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 110 tabular view of solution wise126Figure 111 Chart view Impanelled agency wise126Figure 112 tabular view of solution wise126Figure 113 chart view Installer wise128Figure 114 CGOUT130Figure 115 HOME SELECTED130Figure 116 NOR OUT133Figure 117 DEVICE REGISTRATION133 <td>Figure 89 consumer detail</td> <td> 102</td>	Figure 89 consumer detail	102
Figure 91       PLANT LOCATION       103         Figure 92       106         Figure 93       106         Figure 93       106         Figure 94       107         Figure 95       107         Figure 95       108         Figure 96       107         Figure 97       102         Figure 90       104         Figure 910       05         Figure 910       101         Figure 910       100         Figure 101       101         Figure 102       00         Figure 103       103         Figure 104       104         Figure 105       100         Figure 105       100         Figure 106       101         Figure 107       105         Figure 108       100         Figure 109       100         Figure 100	Figure 90 LOA AWARD	103
Figure 92106Figure 93 PPA SIGNING106Figure 94 FINANCIAL CLEARANCE107Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 96 LIVE MONITORING DASHBOARD108Figure 97 LIVE MONITORING DASHBOARD109Figure 98 UPDATE RMS LATITUDE - LONGITUDE110Figure 91 NVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD112Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 103 SCHEME PROGRESS/ DETAILS120Figure 103 SCHEME PROGRESS / DETAILS120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 105 Vearly Progress Summary - Tabular view122Figure 106 District Progress Summary - Chart view123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 109 chart view solution wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view installer wise129Figure 113 Chart view Installer wise129Figure 114 LOGOUT130Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 118 IMEI BULK UPLOAD132Figure 118 IMEI BULK UPLOAD132Figure 117 DEVICE REGISTRATION BUTTON134Figure 120 UPLOAD IMEI NO. CSV133Figure 120 UPLOAD IMEI NO. CSV133Figure 120 UPLOAD	Figure 91 PLANT LOCATION	103
Figure 93 PPA SIGNING106Figure 94 FINANCIAL CLEARANCE107Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 95 LIVE MONITORING DASHBOARD109Figure 98 UPDATE RMS LATITUDE - LONGITUDE109Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD110Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/DETALLS220Figure 104 Yearly Progress Summary - Tabular view121Figure 105 Strict Progress Summary - ChART VIEW122Figure 105 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 105 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 105 Chart view of solution wise124Figure 110 tabular view for solution wise124Figure 110 tabular view for solution wise125Figure 111 tabular view Impanelled agency wise126Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 114 LOGOUT131Figure 114 IMEI BULK UPLOAD132Figure 118 IMEI BULK UPLOAD132Figure 118 IMEI BULK UPLOAD132Figure 118 IMEI BULK UPLOAD133Figure 112 ADD NEW DEVICE REGISTRATION BUTTON134 </td <td>Figure 92</td> <td> 106</td>	Figure 92	106
Figure 94 FINANCIAL CLEARANCE107Figure 95 LIVE MONITORING DASHBOARD OPTION108Figure 95 LIVE MONITORING08Figure 97 LIVE MONITORING DASHBOARD109Figure 98 UPDATE RMS LATITUDE - LONGITUDE110Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD112Figure 101 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS.120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 Yearly Progress Summary - Chart view122Figure 106 District Progress Summary - Chart view123Figure 107 USTRICT PROGRESS SUMMARY OF APRIVEW123Figure 108 Tabular view of solution wise124Figure 109 Chart view solution wise125Figure 110 tabular view of solution wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view installer wise128Figure 114 COGUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 INEI BULK UPLOAD133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION MUTTON134Figure 122 ADD DEVICE REGISTRATION134Figure 124 ADD NEW DEVICE REGISTRATION MUT	Figure 93 PPA SIGNING	106
Figure 95 LIVE MONITORING DASHBOARD OPTION       108         Figure 96 LIVE MONITORING DASHBOARD       109         Figure 97 LIVE MONITORING DASHBOARD       109         Figure 98 UPDATE RMS LATITUDE - LONGITUDE       110         Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD       112         Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD       114         Figure 101 INDIVIDUAL APPLICATION STAGE       118         Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT       119         Figure 103 SCHEME PROGRESS/ DETAILS.       20         Figure 104 Yearly Progress Summary – Tabular view       121         Figure 105 Yearly Progress Summary – Chart view       122         Figure 106 District Progress SUMMARY – CHART VIEW       123         Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW       123         Figure 108 Tabular view of solution wise       126         Figure 110 tabular view empanelled agency wise       126         Figure 111 Chart view Installer wise       128         Figure 112 tabular view Installer wise       128         Figure 113 chart view Installer wise       129         Figure 114 LOGOUT       130         Figure 115 HOME SELECTED       130         Figure 114 INDEVICE REGISTRAT	Figure 94 FINANCIAL CLEARANCE	107
Figure 96 LIVE MONITORING108Figure 97 LIVE MONITORING DASHBOARD109Figure 98 UPDATE RMS LATITUDE - LONGITUDE110Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD112Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 Yearly Progress Summary - Chart view122Figure 106 District Progress Summary - Chart view123Figure 107 DISTRICT-PROGRESS JUMARY OF APRLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT121Figure 105 Yearly Progress Summary - Tabular view122Figure 104 Yearly Progress Summary - Tabular view122Figure 105 Vearly Progress Summary - Chart view123Figure 106 District Progress Summary - CHART VIEW123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 110 tabular view of solution wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view Installer wise126Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 114 LOGOUT131Figure 115 HOME SELECTED130Figure 116 SIGN OUT132Figure 118 INEI DULK UPLOAD132Figure 119 IMEI NO, CSV FORMAT </td <td>Figure 95 LIVE MONITORING DASHBOARD OPTION</td> <td> 108</td>	Figure 95 LIVE MONITORING DASHBOARD OPTION	108
Figure 97 LIVE MONITORING DASHBOARD109Figure 98 UPDATE RMS LATITUDE - LONGITUDE110Figure 98 UPDATE RMS LATITUDE - LONGITUDE112Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 Vearly Progress Summary - Tabular view122Figure 106 District Progress Summary - CHART VIEW123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 108 Tabular view of solution wise124Figure 110 tabular view solution wise125Figure 111 that view Empanelled agency wise126Figure 112 tabular view Installer wise129Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 12 ADD NEW DEVICE REGISTRATION BUTTON134Figure 12 ADD DEVICE REGISTRATION134Figure 12 AD	Figure 96 LIVE MONITORING	108
Figure 98 UPDATE RMS LATITUDE - LONGITUDE.110Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD112Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 Yearly Progress Summary - Chart view122Figure 106 District PROGRESS SUMMARY - CHART VIEW123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise126Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Installer wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT132Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 124 ADD NEW DEVICE REGISTRATION BUTTON134Figure 124 ADD DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134	Figure 97 LIVE MONITORING DASHBOARD	109
Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD112Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION SAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary - Tabular view121Figure 105 Yearly Progress Summary - Chart view122Figure 106 District Progress Summary - tabular view123Figure 107 DISTRICT PROGRESS SUMMARY OF LART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134	Figure 98 UPDATE RMS LATITUDE - LONGITUDE	110
Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD114Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary – Tabular view121Figure 105 Yearly Progress Summary – Chart view122Figure 106 District Progress Summary – Chart view123Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise126Figure 110 tabular view Empanelled agency wise126Figure 112 tabular view Installer wise127Figure 113 chart view Installer wise128Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 114 LOGOUT131Figure 115 HOME SELECTED132Figure 114 LOGUT131Figure 115 HOME SELECTED132Figure 114 LOGOUT132Figure 114 LOGUT132Figure 114 LOGUT131Figure 114 LOGUT132Figure 114 INEL BULK UPLOAD132Figure 114 INEL BULK UPLOAD132Figure 113 IMEL BULK UPLOAD134Figure 124 ADD NEW DEVICE REGISTRATION BUTTON134Figure 120 ADD DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134	Figure 99 INVALID PARAMETERS OF GREEN BOX OF LIVE MONITORING DASHBOARD	112
Figure 101 INDIVIDUAL APPLICATION STAGE118Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS.120Figure 104 Yearly Progress Summary – Tabular view121Figure 105 Yearly Progress Summary – Chart view122Figure 106 District Progress Summary – tabular view123Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW123Figure 108 Tabular view of solution wise124Figure 110 tabular view solution wise125Figure 111 that view Empanelled agency wise126Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 115 HOME SELECTED130Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 121 ADD NEW DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134Figure 124 ADD DEVICE REGISTRATION134	Figure 100 CONSUMER/FARMER MANAGEMENT SUMMARY OPTION SELECTED ON CONSUMER/FARMER DASHBOARD	114
Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT119Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary – Tabular view121Figure 105 Yearly Progress Summary – Chart view122Figure 106 District Progress Summary – Chart view122Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT132Figure 117 DEVICE REGISTRATION132Figure 119 IMEI BULK UPLOAD132Figure 119 IMEI BULK UPLOAD133Figure 119 IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 101 INDIVIDUAL APPLICATION STAGE	118
Figure 103 SCHEME PROGRESS/ DETAILS120Figure 104 Yearly Progress Summary – Tabular view121Figure 105 Yearly Progress Summary – Chart view122Figure 106 District Progress Summary – tabular view123Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 102 DISTRICT-WISE SUMMARY OF APPLICATIONS RECEIVED FOR VARIOUS PUMP MODELS REPORT	119
Figure 104 Yearly Progress Summary – Tabular view121Figure 105 Yearly Progress Summary – Chart view122Figure 106 District Progress Summary- tabular view123Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view Installer wise127Figure 113 chart view Installer wise128Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 121 ADD NEW DEVICE REGISTRATION BUTTON133Figure 122 ADD DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134	Figure 103 SCHEME PROGRESS/ DETAILS	120
Figure 105 Yearly Progress Summary - Chart view122Figure 106 District Progress Summary- tabular view123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT130Figure 117 DEVICE REGISTRATION132Figure 119 IMEI NO. CSV FORMAT133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 104 Yearly Progress Summary – Tabular view	121
Figure 106 District Progress Summary- tabular view123Figure 107 DISTRICT PROGRESS SUMMARY - CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view Installer wise127Figure 113 chart view Installer wise128Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT130Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 105 Yearly Progress Summary – Chart view	122
Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW123Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise126Figure 112 tabular view Installer wise127Figure 113 chart view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT130Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 106 District Progress Summary- tabular view	123
Figure 108 Tabular view of solution wise124Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW	123
Figure 109 chart view solution wise125Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION131Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION134Figure 122 ADD DEVICE REGISTRATION134	Figure 108 Tabular view of solution wise	124
Figure 110 tabular view Empanelled agency wise126Figure 111 Chart view Empanelled agency wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 109 chart view solution wise	125
Figure 111 Chart view Empanelled agency wise127Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 110 tabular view Empanelled agency wise	126
Figure 112 tabular view Installer wise128Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 116 SIGN OUT132Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 111 Chart view Empanelled agency wise	127
Figure 113 chart view Installer wise129Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 112 tabular view Installer wise	128
Figure 114 LOGOUT130Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 113 chart view Installer wise	129
Figure 115 HOME SELECTED130Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 114 LOGOUT	130
Figure 116 SIGN OUT131Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 115 HOME SELECTED	130
Figure 117 DEVICE REGISTRATION132Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 116 SIGN OUT	131
Figure 118 IMEI BULK UPLOAD132Figure 119 IMEI NO. CSV FORMAT133Figure 120 UPLOAD IMEI NO. CSV133Figure 121 ADD NEW DEVICE REGISTRATION BUTTON134Figure 122 ADD DEVICE REGISTRATION134	Figure 117 DEVICE REGISTRATION	132
Figure 119 IMEI NO. CSV FORMAT       133         Figure 120 UPLOAD IMEI NO. CSV       133         Figure 121 ADD NEW DEVICE REGISTRATION BUTTON       134         Figure 122 ADD DEVICE REGISTRATION       134	Figure 118 IMEI BULK UPLOAD	132
Figure 120 UPLOAD IMEI NO. CSV       133         Figure 121 ADD NEW DEVICE REGISTRATION BUTTON       134         Figure 122 ADD DEVICE REGISTRATION       134	Figure 119 IMEI NO. CSV FORMAT	133
Figure 121 ADD NEW DEVICE REGISTRATION BUTTON       134         Figure 122 ADD DEVICE REGISTRATION       134	Figure 120 UPLOAD IMEI NO. CSV	133
Figure 122 ADD DEVICE REGISTRATION	Figure 121 ADD NEW DEVICE REGISTRATION BUTTON	134
		134

### **Table 1 Glossary**

#### Table 1 Glossary

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

### Table 2 URL LINKS

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

### Table 3 MINIMUM EQUIMENT REQUIRED TO ACCESS STATE SEDM PLATFORM

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

### **Release History**

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

### **1. INTRODUCTION TO PM-KUSUM SCHEME**

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

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

The Scheme consists of three components:

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

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

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

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



# 2. SEDM PURPOSE & VISION

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

The primary features of SEDM:

- 1) A single platform to monitor various Solar PV based plants and pumps installed under PM-KUSUM scheme in State.
  - Stand-alone Solar Pumps, Grid Connected Solar Pumps, Distributed Solar Plants.
- 2) A single platform for multiple stakeholders
  - Farmers, Empanelled Agencies (EA), State Implementing Agency (SIA) SIA, DISCOM, MNRE,
- 3) A single platform to undertake multiple processes under PM KUSUM scheme like
  - Consumer/Farmer Registration, DBT Integration, Project Process Management, Asset Management, Complaints Management.
- 4) A single platform to remotely monitor plants and pumps by connecting to multiple devices such as
  - Pump controllers, Drivers, Energy meters, Inverters, Combiner boxes etc.

### 3. WELCOME PAGE

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



Figure 1 WELCOME PAGE

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

# FREQUENTLY ASKED QUESTIONS

1. What are the different kind of systems supported under PM-KUSUM Scheme?	-
PM-KUSUM Scheme supports three different kind of installations, known as three components of the Scheme as given below: i. Component-A: Setting up of decentralized ground/ stilt mounted grid connected solar or other renewable energy based power plants up to 2 MW capacity ii. Component-B: Installation of stand-alone solar agriculture pumps of capacity up to 7.5 HP iii. Component-C: Solarisation of existing grid connected agriculture pumps of capacity up to 7.5 HP	
2. What is Component-A of PM-KUSUM Scheme?	+
3. Who is eligible under Component-A of PM-KUSUM Scheme?	+
4. Who will purchase the generated electricity?	+
5. Can farmers lease their land for the development of renewable energy power plant under Component-A?	+
6. What kind of financial support is available under Component-A of the Scheme?	+
7. What is Component-B of PM-KUSUM Scheme?	+
8. Who is eligible under component B of PM-KUSUM?	+
9. Is there any subsidy for the installation of solar pump?	+
10. What is Component-C of PM-KUSUM Scheme?	+
11. Who is eligible under component C of PM-KUSUM?	+
Figure 2 FAQ	

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

> Selected – Hindi



Figure 3 HINDI SELECTED

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



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

District Total Grid Connected Pumps Total Solar Capacity Solarized (MW)

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

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



#### Figure 6 INSTALLERS

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

• **"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)

6	C FAO? MOIDOTEUCKNOWIATH	UPEVNIDOTIONG « MEMILER TRACE OPELICETION	LOGIN 41 INSTALLER LOGIN IMPORTANT DOCUMENTS	CONTACT US	PUBLIC INFORMATION *	COMPLAINT REGISTRATION
	COMPONENT-A		COMP	ONENT-B		COMPONENT-C
Application No		Consumer Mabile No		Search		
		Track yo	wr application by entering you	r Application No. and	Consumer Mobile No.	

Figure 7 TRACK APPLICATION

	O FAOP S HOLDOTLUCKNOWLD HOME INSTALLERS	TUPSVNIGOTIONS 40 MEMBE	R LOGIN I INSTALLER LOGIN	CONTACT US	PUBLIC INFORMATION *	COMPLAINT REGISTRATION
	COMPONENT-A		COMP	ONENT-B		COMPONENT-C
Application No		Consumer Mobile No		Search		
		Track y	our application by entering you	r Application No. and	Consumer Mobile No.	

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.

Sche Deve Mobil	me Progress Of: test i loper No: 111 le No:			×
Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	No. of Solar Plants	19-07-2023	SuperAdmin	
z	Plant Location	19-07-2023	SuperAdmin	
3	LOA award			
4	PPA signing			
5	Financial Clearance			
6	Installation & Completion			
7	Electrical Inspector Certificate Received			
0	Export Meter Connected & Permission Received			
9	Testing, Commissioning & Synchronization			
10	Plant Charged			
11	Go Live with RMS Data			
12	On Hold			

Figure 9 TRACK APPLICATION REPORT

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

 KREDLogECIATIGMAILID	OTICOM + MEMBER LOGIN	N +) INSTALLER LOGIN			
HOME INSTALLERS	TRACK APPLICATION	IMPORTANT DOCUMENTS	CONTACT US	PUBLIC INFORMATION *	
COMPLAINT REGISTRATION	N				
1994					

• User Manual



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

COMPONENTA	TLUCKNOWIATTUP INSTALLERS	EVNIDOTIORG 40 MEMBER	REDGIN C INSTALLER LOGIN	English V contAct US	PUBLIC INFORMATION *		
COMPONENT-A			COMPONENT-B			COMPONENT-C	
		F	Figure 11 CONT	ACT US			

# 4. SIGN IN ON SEDM PLATFORM

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

### Table 4 INFORMATION OF LOGIN

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

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



Figure 12 **SIGN** IN PAGE

User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)



Member Login pop-up for State Implementing Agency



Installer Login pop-up for Empanelled Agency

### Figure 13 SIGN IN SCREEN

# **5. HOME PAGE**

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

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

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

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

2. Click on 'Off Grid Solar Pump' icon on the Home Page as shown in the Figure 14 to access the Component-B of PM-KUSUM Scheme.

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



### Figure 14 HOME PAGE

# **6. USER PROFILE PAGE**

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

### Navigation Steps: -

- 1. Sign in on the State SEDM Portal
- 2. Click on the 'User' icon on the Title Bar of the SEDM Portal Dashboard

		HOME COnsum	ler Scheme Flo	gress Live Monitoring	J Setting Di	evice Registra	anon Userr	Noie				Claud based InT SCAD
User Ma	nagement											+ Add Us
earch:											Sho	w 100 🗸 entries
Delete	Change Password	Assign Farmer \$ Rights	Assign Module \$ Rights	Department 🗘	User Name <sup>\$</sup>	First Name	Last Name	Designation 🗘	Email 🗘	Contact Details	Access Type	Primary Role 🗘
Û	<b>a</b>	쯀	4	Sri Savitir Solar pvt Ltd	user_2	sri	s		ari@gmail.com	6358894270	Portal	OrganizationAdmin
ũ		쓭	۵	Junna Solar Systems Pvt Ltd	user_1	epc1	e		user@gmail.com	8456521210	Portal	OrganizationAdmin
Û	<u> </u>	쓥	4	KREDL	kaadmin	kaadmin	kaadmin	Manager	kaadmin@gmail.com	9768465733	Portal	SuperAdmin
۵	•	쓥	4	Junna Solar Systems Pvt Ltd	junnasolar	Rajsekar	Reddy	manager	junnasolar@gmail.com	7680838911	Portal	OrganizationAdmin
Û	•	*	۵	Sri Savitir Solar pvt Ltd	savitir	Ramesh	AV	Manager	savitir@gmail.com	9876463364	Portal	OrganizationAdmin

#### Figure 15 USER ROLE



#### Figure 16 USER PROFILE INFORMATION BOX

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

# 7. CHANGE PASSWORD

- The users can change their account password by clicking on the 'user' icon image in the top right corner on the title bar and then selecting the 'Change Password' option.
  - Navigation Steps: -
    - 1. Sign in on the State SEDM Portal
    - 2. Click on the 'User' icon on the Title Bar of the SEDM Portal Dashboard
    - 3. Click on the 'Change Password' option from the drop-down menu

<b>#</b> Home	Comuner	Echema Progress	Uve Montoing	Performance Analysis	<b>O</b> Setting	C Device Registration	Car Ustr Role		English ¥	
c	hange Pa	ssword								
	Enter Your Cu	ment Password								
1	Entor Your Ne	w Pasaword							1.0	
	Mud sentan Mud sentan Mud sentan Mud sentan Mud se 8 Ch Confirm Your I	t er nore besetzen On t er nore besetzen On t humeter t beschi Chanater i beschi Chanater ander New Passward	new acc							
								Read You	Password ,	

Figure 17 CHANGE PASSWORD

- The users can change their password by entering the current password, a new password and re-entering the new password to confirm it in the mentioned text fields. Then click on the 'Change Password' button to complete the process.
- Your New Password box and Confirm Your New Password box must have same password inputs otherwise an error will occur i.e. Please enter the same password as entered New Password

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

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

# 8. REGISTER NEW STATE IMPLEMENTING AGENCY (SIA)

- SIA will be shared Super Admin credential that can have access to all the three Components i.e. Distributed Solar PV (Component A), Off Grid Solar Pump (Component B) and Grid Connected Solar Pump (Component C) and also can have access to all the below mentioned 9 modules of portal:
  - Consumer
  - Scheme Progress
  - Live Monitoring
  - Performance Analysis
  - Setting
  - Device Registration
  - User Role

Figure 18 MODULES



• Super Admin can register new State Implementing Agency (SIA) and Empanelled Agency (EA) in "Setting" module.

### 9. SETTING MODULE

- New Empanelled Agency & State Implementing Agency can be registered in "Setting" module.
- Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module

Scheme Progress	Asset	Live Monitoring	Performance Analysis	Setting	Device Registration	User Role	Complaint
				Î			

Figure 19 SETTING MODULE

### 9.1. REGISTRATION OF DISCOM

- Super Admin can register DISCOM by clicking on "DISCOM" tab as pointed in below Figure 19.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on DISCOM

	HONE	Conserved	Scheme Prog	ens Assel Live Maritaneg	Setting Device (	<b>2</b> Tegeindien 1	Jaar Role Gorg	8 Juint		Saglad	~ Intell	ISCAL	
State Implementing Agency		Empirel	Ned Agency							Datase + Aut Ergueselle	(Agency Dilyne)		Equal
Empanelied Agency		Search	b				_				\$how 100	¥ ett	· *
System integrator		letest	Emparailed Agency Name	Address D	cay o	State (	District (	Cordest Person	Designation of Contact () Person	E-mail ID	D Phote 0	MINE ()	
Knowledge Center     Placusum		0	JU PV SOLAR PRIVATE LIMITED	Rajvol Oujarat.	Majisti	GUJARAT	RAJKOT	Rahash P 2095	RCC	tender[#[gpvsblar]db]com	8313808779	Na	D
important Document		۵	Mis Alectrica Energy	Dralai	Atmedation	TRIPURA		arist				740	
Co Tender		0	Mie Pratuaan Gold Helicalifica	Bautern buddha naget Utler Fradesh	- 24	UTTAR PRADEBH	BAUTAN BUODHA NAGAR	Ratesh Shart	800	anjul(del(got(at(gmail(sel(com	4010752438	No	D)
C EA Rate card		D	Premier Solar System Pit	Burvey No. 54 Part, Vikrampull Golony, Kankhana Maim Road,	Securiderated						8569000009	No	

Figure 20 EMPANELLED AGENCY TAB

	1 Lana	er Bataarda Pita	pasa Asad Line Markery	Continue (	2	12 13 In fan 1200			Egie	Intell	ISCAI	DA
State Septementing Agency	Engan	alast Agarce			_				Dates Add Discovered	April Digit		Topat
Comparabled Agency	Ineres	C								\$From \$555	w at	in i
System Integrator		Erganshei Agensy Nava	A444444 0	CHV ()	1444 ()	Doekt ()	Cantact Person C	Designation of Contact () Person	test0	0 <b>n</b> um 0	MINE O	
C Knowledge Center - PUNCUSUM	0	UPX SOLAR PRIVATE URITED	Raput Guarat	. Neter	94,4447	. КАНКОТ	Rahawi P 2005	- 10	webs(s()constraint)or	N012808778	.74	7
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C EA Bale card	a.	Premer Solar System Pri Lite	Barrey No. 58/Pan, Verangun Earshy Kohtara Man Rood Selanderskal - 500012 Telangana, 1904	Territoration						100100000	***	
C Product	ū	Resorving Absertand Cantols Put	21525384, GOC, Versi Unyog Reger, Ook, Anend, Gujerah 205 (21)	Argent	GUAR47					9014375081	-10	

Figure 21 EMPANELLED AGENCY TAB DASHBOARD

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

• User can register new Empanelled Agency by clicking on "Add Empanelled Agency button" button. (highlighted in red in Figure 20)

User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)

panelled Agency Information		
Empanelled Agency Name *	State *	District, *
Please Select	÷ -	<b>÷</b> - ;
City *	Address *	Contact Person *
City	Address	Contact Person
Designation of Contact Person •	Phone *	PAN No. *
Designation of Contact Person	Phone	Pan No.
GST No. *	E-mail ID	
GST No.	Email Id	
Date Of Agreement *	Date of Submission of CPG •	Remarks
mil 18/07/2023	18/07/2023	Remarks
Off Grid Solar Pump		

Figure 22 NEW EMPANELLED AGENCY DETAILS

#### Table 6 DISCOM REGISTRATION FIELDS DESCRIPTION

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

### User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)

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

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

### 9.2. REGISTRATION OF STATE IMPLEMENTING AGENCY (SIA)

- Super Admin can register New State Implementing Agency by clicking on "State Implementing Agency" tab as pointed in below Figure 22.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on State Implementing Agency
  - 4.

State Implementing Agency	State Implementing	g Agency						Dinks +AA	t Status implementing Ag	my Disp
Empanelled Agency	Search		l)						Shew 1	00 👻 antro
System integrator	Select	State Implementing Agency Name	Address	City	0 <b>5148</b> 0	District	Contact Person	Designation of Contact Person	E-mail ID 0	Phone
Knowledge Center - SEDM	a	AD	μP		UTTAR PRADESH					
Knowledge Center - PMI/OUSUM	Showing 1 to 1	e t antina								
) Important Document										
3 Sanction										
Tender										
EA Rate card										
Manufacturer										
David										

#### Figure 23 STATE IMPLEMENTING AGENCY TAB

но	ME Consumer Sch	eme Progress Asset Live	Monitoring Setting De	evice Registration User	Role Complaint			English	~ Cintell	ISCADA
State Implementing Agency	State Impleme	nting Agency						Delete + Add	i State Implementing Age	ency Export
Empanelled Agency	Bearch:								Show 10	00 V entries
O System Integrator	Select	State Implementing Agency Name	Address 🗘	City 🗘	State 🗘	District 🗘	Contact Person 〈	Designation of Contact Person	E-mail ID 🗘	Phone 🗘
Knowledge Center - SEDM	D	AD	UP	רט	TAR PRADESH					
Knowledge Center - PMKUSUM	Showing 1 to	1 of 1 entries								1
Important Document										
Sanction										
C Tender										
EA Rate card										
Manufacturer										
O Product										
Tender Checklist										

Figure 24 STATE IMPLEMENTING AGENCY TAB DASHBOARD

#### Table 7 STATE IMPLEMENTING AGENCY DASHBOARD DESCRIPTION

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

### User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation )

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

	*	8		20.00		÷	đ	đ	đ						ntell
Contraction of the second seco	номе		Add New S	State Imple	ementing							×			nten
State Implementing Agency		State Implem	State Impler	nenting Age	ncy Informatio	on							👔 Belaté 🛛 🕂 Add	State Implementin	ng Agenia
			State Im	plementing	Agency Name	e *	Address *			City *					
Empanelled Agency		Search:	Please S	Select		\$	Address			City			-	Sho	001] we
System Integrator		Select	State *				District *			Contact	Person *		ition of Contact Person	E-mail ID (	
C Knowledge Center - SEDM		0	-			\$	-		\$	Contact	t Person				
() Knowledge Center -		Showing 1	Designa	tion of Cont	act Person *		Email Id *			Phone *					
PMKUSUM			Designa	ation of Con	tact Person		Email Id			Phone					
Important Document			Layer *												
Sanction			Please S	Select Layer	ŝ	\$									
Tender			🗋 Distrib	uted Solar P	v		Off Grid S	olar Pump		Grid C	onnected Solar Pump				
												-			
EA Rate card											Cancel	🖹 Save			
Manufacturer															
Product															
Tender Checklist															
Tender Checklist Detail															

### User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)

	HOME Consumer 5	+ Add New SubDivision	<b>*</b> 7 (	E E		
State Implementing Agency	🔦 SubDivisio	SubDivision Information				+ Add SubDivision
Empanelled Agency	Search	Circle Code *	Division Code •	SubDivision Name *		Show [10 V] entries
System Integrator		Please Select 💲	:	SubDivision Name		ion Code -
Knowledge Center - SEDM					Cancel 🕒 Save	
Knowledge Center -		EDD III	FATEHBAD			3
PMROSOM		EDD FI	ROZABAD			<b>A</b> .
important Document		EDD.	IASRANA			5
Sanction		EDD SH	IKOHABAD			8
		EDD S	RSAGANJ			7
Tender		EDD	TUNDALA.			8
EA Rate card		EDD I	MAINPURI			9

Figure 25 NEW SUB DIVISION DETAILS

#### Table 8 STATE IMPLEMENTING AGENCY REGISTRATION FIELDS DESCRIPTION

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

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

# **10 USER ROLE MANAGEMENT**

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



#### Figure 26 USER ROLE MODULE

### **10.1 REGISTER NEW USER**

### **10.1 Register New User**

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

arch:											Sho	w 100 💉 entrie
lete 🗠	Change Password 🗘	Assign Farmer Rights 👙	Assign Module Rights 🗘	Department 🗘	User Name 🗘	First Name 🗘	Last Name 🗘	Designation 🗘	Email 🗘	Contact Details 🗘	Access Type 🗘	Primary Role
0		*	4	Sri Savitir Solar pvt Ltd	user_2	sri	8		ari@gmail.com	6358894270	Portal	OrganizationAdmir
٥		2	4	Junna Solar Systems Pvt Ltd	user_1	epc1	e		user@gmail.com	8456521210	Portal	OrganizationAdmir
0			4	KREDL	kaadmin	kaadmin	kaadmin	Manager	kaadmin@gmail.com	9768465733	Portal	SuperAdmin
٥		-	4	Junna Solar Systems Pvt Ltd	junnasolar	Rajsekar	Reddy	manager	junnasolar@gmail.com	7680838911	Portal	OrganizationAdmir
٥	<b>A</b>	*	4	Sri Savitir Solar pvt Ltd	savitir	Ramesh	AV	Manager	savitir@gmail.com	9876463364	Portal	OrganizationAdmir
owing 1	to 5 of 5 entries											1

Figure 27 ADD USER BUTTON ON USER ROLE DASHBOARD

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



User Information					~ ~
First Name*		Last Name*		Designation	
First Name		Last Name		Designation	
User name*		Email*		Phone No*	
User name		Email		Phone No	
Password*		Confirm Password*			
	۲				
Department Type		Department		Access Type	
Please Select	~		~	Please Select Access Type -	
SEDM Role(s)*	Project /	Component			
Please Select	✓ Please	e Select Componet 🕶			

#### Figure 28 ADD USER FORM

### ✤ User Information



Figure 29 USER RIGHTS

### Table 9 NEW USER REGISTRATION FIELDS DESCRIPTION

Field	Input	Drop Down & Check Box Options	Mandatory Field	Sample Values	Description	Validations
First Name	Text	-	✓	Ram	Input first name of the user	-
Last Name	Text	-	✓	Sharma	-	-
Designation	Text	-	-	EPC	-	-
Username	Text	-	✓	ramsharma	-	-
### User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)

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

		<ul> <li>Only Mobile Application</li> </ul>			requirement. (refer Table 9 ACCESS TYPE DROP DOWN)	
User Role(s)	Drop Down	<ul> <li>Super Admin</li> <li>Organization Admin</li> <li>User</li> </ul>		Super Admin	Selection of relevant user role as per the requirement. Only Super Admin can create new Super Admin user.	-
LOne (DISCOM)	Drop Down	- BESCOM	✓	BESCOM	Selection of DISCOM	-
LTwo (circle)	Drop Down	<ul> <li>KOLAR</li> <li>RAMNAGAR</li> <li>TUMKUR</li> <li>DAVANAGER</li> <li>E</li> </ul>	•	✓ TUMKUR	Selection of circle	-
LThree (Division)	Drop Down	- HOSAKOTE - NELAMANGA LA	~	<ul> <li>✓ HOSAKO</li> <li>TE</li> <li>✓</li> </ul>	SELECTION OF DIVISION	
LFour (Subdivisio n)	Drop Down	<ul> <li>DEVANHALLI</li> <li>HOSAKOTE</li> <li>NANDAGUDI</li> <li>SULIBELE OMU</li> </ul>	~	DEVANHALLI ✓	SELECTION OF SUBDIVISION	
LFive (Substation)	Drop Down	<ul> <li>Substation</li> <li>DEVANHALLI _66</li> <li>KUNDANA_6 6</li> </ul>	~	<ul> <li>✓ Substatio</li> <li>n</li> </ul>	SELECTION OF SUBSTATION	
Project / Component	Drop Down	<ul> <li>Distributed Solar PV – A</li> <li>Off Grid Solar Pump – B</li> <li>Feeder Level Solarization (comp c – FLS)</li> </ul>	~	Grid Connected Solar Pump –C	Selection of PM- KUSUM Scheme Component	-

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

# Table 9 ACCESS TYPE DROP DOWN

Access Type Drop Down	Option Name	Description
- Only Configuration	Only Configuration	This option gives writes to user to access configuration.
<ul> <li>Only Portal</li> <li>Only Mobile Application</li> </ul>	Only Portal	This option gives writes to user to access Portal.
	Only Mobile Application	This option gives writes to user to access Mobile Application

#### Table 10 USER ROLE DROPDOWN

User Role Drop Down	Role	Access	User Creation	Specifications
	Super Admin	This user has access of every module of State SEDM Platform.	This user can create "Organization Admin" & "User" and also can provide access to any of all modules.	This user can only register Tender, State Implementing Agency (SIA) and Empanelled Agency (EA).
				This user can create other Super Admin of SIA only and not of EA.
<ul> <li>Super Admin</li> <li>Organization Admin</li> <li>User</li> </ul>	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".





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

### \* Consumer Functionality





Figure 31 CONSUMER FUNCTIONALITY

#### Table 11CONSUMER FUNCTIONALITY

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

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

## **\*** Scheme Progress



Figure 32 SCHEME PROGRESS FUNCTIONALITY

# \* Site Survey Functionality



# TABLE 12 SITE SURVEY FUNCTIONALITY

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

FIGURE 32 ASSET FUNCTIONALITY

# Live Monitoring Functionality



### TABLE 13 LIVE MONITORING FUNCTIONALITY

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

## \* Device registration Functionality



Figure 36 DEVICE REGISTRATION FUNCTIONALITY

## TABLE 14 DEVICE REGISTRATION FUNCTIONALITY

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

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

		Home	Consum	ar Scheme Progress	i Asset Liv	ra Monitoring	Setting	Device Registration	User Complai Role -	int (	🚆 हिंबी	- Cir	telliscada
User_Ma	inagement												+ Add User
Search												S	now 100 v entries
Delete -	Change Password 🗘	Assign Farmer Rights	Assign Module 🗘 Rights	Department 🗘	User Name	• •	First Name	Last Name 🌣	Designation 🗘	Email	\$ Contact Details	Access Type	Primary Role 🗘
Ø	•	*	4	Tata Power Solar Systems	Tata_OA	Kr -	tata_Oa	tata	08	dsd@gmail.com	9955441122	Portal	OrganizationAdmin

Figure 37 USER ROLE DASHBOARD

#### Table 12 USER ROLE DASHBOARD DESCRIPTION

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

#### User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)

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

New Password	Confirm password
Please Enter your Password.	Please Confirm Password.
X Must contain 1 or more lowercasw Character	
X Must contain 1 or more uppercase Character	
X Must contain 1 numeber	
X Must contain 1 Special Character	
X Must be 8 Character	
	El Save Cance
Figure 38 CHAI	NGE PASSWORD SCREEN

- User has to enter "New password" and "Confirm password" as shown in above Figure 36.
- > Assign Farmer Rights
- By clicking on the icon of "Assign Farmer Rights" (highlighted in black in Figure 35), Super Admin / Organization admin can provide access to the user to view the data of RMS System mapped with the selected farmers. (window screen for the same shown below in Figure 37)

### Add Farmer Rights

Select District ALL	*	Select EA Tata Power Solar Systems Limited V	•	Select Capacity ALL	~	Go
Non-selected Applications				Selected Applications		
Showing all 9				Empty list		
Search			Search			
→→ (Move All)		→ (Move Selected)		+ (Remove Selected)		←← (Remove All)
Baldev Singh Gurmeet Singh Jasprit Singh Virat Singh Navjot Singh Dalbir Singh Manpreet bumrah Sanjana bumrah hp bumrah						
						Close Save changes

Figure 39 ASSIGN FARMER RIGHTS

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

х



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

Figure 40 USER ROLE MODULE SELECTION SCREEN

# **11 MASTER SETTINGS (CONFIGURATIONS)**

- SIA with Super Admin credentials can add or update several following settings :
  - Empanelled Agency
  - System Integrator
  - EA rate card
  - EA Service center
- These updates can be performed in the "Setting" module.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module

	<b>М</b> НОМЕ	Consumer	Scheme Progress	Live Monitoring	Setting	C Device Registration	User Role	English - English - Intelliscada III
State Implementing Agend	cy							
Empanelled Agency								
System Integrator								
Knowledge Center - SEDM	Л							
Knowledge Center - PMKUSUM								
Important Document								
Sanction								
C Tender								
EA Rate card								
Manufacturer								
O Product								
Tender Checklist								

# 11.2. EA RATE CARD

- EA Rate Card includes Central/State/Farmer Contribution as the subsidy to the Farmer's total cost of the Solar Pump.
- It gives information of the total cost of the Solar Pump in "Rs." and in "%" divided between Central Government, State Government and the Consumer/Farmer.
- Super Admin can update these information in the "Setting" module.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on EA Rate Card Tab



Figure 42 EA RATE CARD TAB

🎙 EA rai	te card									100	elete + Add EA R	ete Card	
Search:	arch:												
Select	Pump Type	Pump Capacity 0	Pump Category ©	Pump SubType O	Rate of Solar 0 Water Pump	UPSC Rate(GST) <sup>©</sup>	SPV Capacity As Per () Norms(W- DC)	Central Contribution(%) <sup>©</sup>	State Contribution(%) <sup>©</sup>	Farmer Contribution(%)	State Contribution(INR © with GST)	Farmer Contribution(INR with GST)	
٥	AC	3	WaterFilled	Submersible	105558	0:	3	30	45	25	74501	41390	
D	AC	3	Olifilied	Submersible	180328	Ö	3	30	45	28	74501	56159	
D	AC	3	+	Surface	0	0	0	D	D	0	0	0	
Q	AC	5	WaterFilled	Submersible	231308	D	4.8	30	45	25	104068	57826	
0	AC	5	Oilfilled	Submersible	257004	0	4.8	30	45	25	104088	83525	
D	AC	5	529	Surface	0	0	D	D	0	D	o	0	
0	AC	7.5	WaterFilled	Submersible	335441	0	6.75	30	45	25	150949	83860	
D	AC	7.5	Oilfilled	Submersible	384815	ō	6.75	30	48	25	150949	113234	

#### Figure 43 EA RATE CARD DASHBOARD

#### Table 13 EA RATE CARD DASHBOARD EXPLANATION

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

### User Manual – UTTAR PRADESH State SEDM Platform (C Feeder Level Solarisation)

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

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

Figure 44 CSV OF EA RATE CARD DETAILS FIGURE

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

# + Add New EA rate card

ump Type *	Pump Sub Type*	Pump Category*	Pump Capacity *
ease Select 🗘	Please Select 🗘	Please Select 🗘	Please Select 🗘
SPC Rate(GST)*	SPV Capacity*	Central Contribution(%)*	State Contribution(%)*
SPC Rate	SPV Capacity		
mer Contribution(%)*	Central Contribution(INR)*	State Contribution(INR)*	Farmer Contribution(INR)*
e of Solar water pump *			
te of Solar water pump			
Name *			

Figure 45 NEW EA RATE CARD DETAILS

Field	Input	Drop Down &	Mandat	Sample	Description
		Check Box Options	Field	values	
Pump Type	Text	- AC - DC	✓	AC	Selection of the Pump Type
Pump Sub Type	Drop Down	<ul><li>Submersible</li><li>Surface</li></ul>	~	Submersible	Selection of the Pump Sub Type
Pump Category	Drop Down	<ul><li>Oil Filled</li><li>Water Filled</li></ul>	~	Water Filled	Selection of the Pump Category
Pump Capacity	Drop Down	<ul> <li>1 HP</li> <li>2 HP</li> <li>3 HP</li> <li>5 HP</li> <li>7.5 HP</li> <li>10 HP</li> </ul>	~	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	-

## Table 17 EA RATE CARD REGISTRATION FIELDS DESCRIPTION

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

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

# **11.3. REGISTRATION OF EA STORE SUB LOCATION**

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

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



Figure 46 EA STORE SUB LOCATION TAB

EA Store Su	b Location List			î Delete	+ EA Store Sub Location	Export
Search:					Show 100 💙	entries 🔺
Select	Sub Locati	on Name	Location	¢	Empanelled Agency	٥
	Shakti Pumps (India) Limited, Agarwal Sirsa Road Fatehabad, Distt. Fateh	Cotton Mill, Opposite Vardhman Hotel, abad, Haryana, Pin Code - 125050	Agency Store Under Inspection		Shakti Pumps I Ltd	
0	Shakti Pumps (India) Limited, Agarwal Sirsa Road Fatehabad, Distt. Fateh	Cotton Mill, Opposite Vardhman Hotel, abad, Haryana, Pin Code - 125050	Agency Store		Shakti Pumps I Ltd	
0	2102/3&4, GIDC, Vitthal Udyog	nagar-388121, Anand, Gujarat	Agency Store Under Inspection	Ν	leety Euro Asia Solar Energy	
	Agency Store Und	er Inspection_Sub	Agency Store Under Inspection			
0	Agency S	tore_Sub	Agency Store			

#### Figure 47 EA STORE SUB LOCATION DASHBOARD

#### Table 14 EA STORE SUB LOCATION DASHBOARD EXPLANATION

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

Delete	Delete EA Store Sub Location	Yellow	Button	Select check box (highlighted in <b>pink</b> ) 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

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

Figure 48 CSV OF EA STORE SUB LOCATION DETAILS

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

EA Store Sub Location				×
EA Store Sub Location Inform	ation			
Sub Location Name*	Location*		Empanelled Agency*	
Sub Location Name	-	~	-	~
			Canc	el 🖪 Save
	Figure 49 NEW EA STORE S	UB LOCATION DET	AILS	

#### Table 15 EA STORE SUB LOCATION REGISTRATION FIELDS DESCRIPTION

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

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

# **11.1 REGISTRATION OF MANUFACTURER DETAILS**

- Super Admin can register Manufacturer Details by clicking on "Manufacturer" tab as pointed in below Figure 47.
- Manufacturer registration serves the purpose as the manufacturer of the assets i.e. Solar Pump, Solar Panel, Pump ٠ Controller, Structure, RMS, etc.
- Manufacturer need to be added while creation of Asset Test Report along with the product details which will be further used in Lot creation. (click here to know more)
- Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on Manufacturer Tab



#### Figure 50 MANUFACTURER TAB

Manu	facturer List							Dolete	+ Add Manufacturer	Export.
Search:								h.		^
Select	Manufacturer Name	Empanelled Agency	Address 🗘	City 🗘	State 🗘	District 🗘	Asset Type	Contact Person	0 Phone 0	G
0	icon Soler-En Power Technologies Pvt. Ltd	Solex energy limited	Village – Dighari, Mandir Hasaud, Tehsil – Arang – 493441, Raipur, Chhattisgarh, India	Raipur	CHHATTISGARH	RAIPUR	Solar Panel	Sandeep Bhalla	9814375901	22AAE
0	Aditya Traders	VRG ENERGY INDIA PVT LTD	Gazhiabad Utterpradesh	Gazhiabad	UTTAR PRADESH	GHAZIABAD	Structur	e Mr. Sunil Mishra	7046047477	24AAD
0	BHEIL	Rajasthan Electronics And Instruments Limited	2, Kanakpura Ind. Area, Sirsi Road, Jaipur- 302012, Rajasthan	Jaipur	RAJASTHAN	JAIPUR	Solar Panel	Sanjay Charan	7727011729	08AAB
D	ECOZEN	Premier Solar System Pvt Ltd	PLOT NO.13, PHASE-I, INDUSTRIAL AREA, Panchkula, Haryana, 134118	Panchkula	HARYANA	PANCHKULA	Pump	Madhavi	9878491000	06AAB
D	ECOZEN	Premier Solar System Pvt	PLOT NO. 13, PHASE-I, INDUSTRIAL AREA, Panchkula, Haryana, 134118	Panchkula	HARYANA	PANCHKULA	Pump Controlle with RM	Madhavi 3	9676491000	DSAAB

Figure 51 MANUFACTURER TAB DASHBOARD

Action	Functionality	Highlighted Colour	Туре	Description
Search	Search Manufacturer	Blue	Text Box	Enter input to explore Manufacturer details
Delete	Delete Manufacturer	Yellow	Button	Select check box (highlighted in <b>pink</b> ) 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

#### Table 16 MANUFACTURER DASHBOARD EXPLANATION

1	A	В	C	D	E	F	G	H	1	J	K	L	M	N
1	Manufacturer Name	Empanelled Agency	Address	City	State	District	Asset Type	Contact Perso	Phone	GST No.	Manufacturing Pai	rt Manufactu	ing Capa	city (Mont
2	Icon Solar-En Power	Solex energy limited	Village – Digi	Raipur	CHHATTIS	RAIPUR	Solar Panel	Sandeep Bhal	9814375861	22AADCI5	5 Solar Panel	1000		
3	Aditya Traders	VRG ENERGY INDIA P	Gazhiabad Utte	Gazhiabad	UTTAR PR	GHAZIABA	Structure	Mr. Sunil Mish	7046047477	24AADCV	Meter	500 Set		
4	BHEIL	Rajasthan Electronic	2, Kanakpura In	Jaipur	RAJASTHA	JAIPUR	Solar Panel	Sanjay Charan	7727011729	08AABCR	1 Solar Panel	1000		
5	ECOZEN	Premier Solar Syster	PLOT NO.13, PH	I Panchkula	HARYANA	PANCHKU	Pump	Madhavi	9676491000	06AABCP	8 Pump	1000		
6	ECOZEN	Premier Solar Syster	PLOT NO.13, PH	I Panchkula	HARYANA	PANCHKU	Pump Controlle	Madhavi	9676491000	06AABCP	8 Pump Controller	1000		
7	Ecozen Solutions Pvt	Ecozen Solutions Pri	Survey No. 134	Pune	MAHARAS	PUNE	Pump	Prateek Singh	9975079419	27AACCE	5 Pump	3000		
8	Ecozen Solutions Pvt	Ecozen Solutions Pri	Survey No. 134	Pune	MAHARAS	PUNE	Pump Controlle	Prateek Singh	9975079419	27AACCE	5 Pump Controller	3000		
9	Ethos Power Pvt. Ltd	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Pump	Kuldeep Panc	7697905171	06AACCE	9 Pump	3000		
10	Ethos Power Pvt. Ltd	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Pump Controlle	Kuldeep Panc	7697905171	06AACCE	9 Pump Controller	3000		
11	Gautam Solar	Gautam Solar	Plot No. 114-11	Haridwar	UTTARAKI	HARIDWA	Pump	SUSHIL	9990399849	05AAFCG	5 Pump	1000		
12	Gautam Solar	Gautam Solar	Plot No. 114-11	Haridwar	UTTARAKI	HARIDWA	Pump Controlle	SUSHIL	9990399849	05AAFCG	5 Pump Controller	1000		
13	Gautam Solar	Gautam Solar	Plot No. 114-11	Haridwar	UTTARAKI	HARIDWA	Solar Panel	SUSHIL	9990399849	05AAFCG	5 Solar Panel	10 MW		
14	Gautam Solar	Gautam Solar	Plot No. 114-11	Haridwar	UTTARAKI	HARIDWA	Pump Controlle	SUSHIL	9990399849	05AAFCG	5 RMS	1000		
15	Gautam Solar	Gautam Solar	Plot No. 114-11	Haridwar	UTTARAKI	HARIDWA	Structure	SUSHIL	9990399849	05AAFCG	5 Meter	1000		
16	Gautam Solar	Gautam Solar	Gautam Solar	Ambala	HARYANA	AMBALA	Structure	Sushil Yadav	7827170003	24AAACT	4 Meter	1000		
17	Himalayan Solar	Sai Babuji Projects	Plot No 237,HSI	Panchkula	HARYANA	PANCHKU	Solar Panel	Mr Vikas	9466749101	06AADCH	Solar Panel	4.16MW		
18	Himalayan Solar Pvt I	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Solar Panel	Kuldeep Panc	7697905171	06AACCE	9 Solar Panel	1000		
19	Icon Solar	VRG ENERGY INDIA P	Raipur	Raipur	CHHATTIS	RAIPUR	Solar Panel	Mr. Sunil Mish	7046047477	24AADCV	Solar Panel	10 MW		
20	Icon Solar-En Power	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Solar Panel	Kuldeep Panc	7697905171	06AACCE	9 Solar Panel	1000		
21	Icon Solar-En Power	Ecozen Solutions Pri	Survey No. 134	Pune	MAHARAS	PUNE	Solar Panel	Mr Rohit	8669998938	0AA78978	3 Meter	1000		
22	ICON Solar-En Power	Rotomag Motor and	2102/03&4, GID	Anand	GUJARAT	ANAND	Solar Panel	Mr. Raghav Ag	9871077220	06AAACR	Solar Panel	1000		
23	Icon Solar-En Power	Neety Euro Asia Sola	Raipur, Chhattis	s Raipur	CHHATTIS	RAIPUR	Solar Panel	Sandeep Bhal	9814375861	24AAACR	Solar Panel	325		
24	Insolation Energy Pvi	Shakti Pumps I Ltd	M/s Shakti Pum	n Pithampur	MADHYA I	DHAR	Solar Panel	Mr. Sandeep F	7389916073	06AAECS	5 Solar Panel	1000		
25	M/s Ecozen Solution:	Ethos Power	121-123, DLF St	Gurgaon	HARYANA	GURUGRA	Pump Controlle	Kuldeep Panc	7697905171	06AACCE	9 Meter	3000		

#### Figure 52 CSV OF MANUFACTURER DETAILS

• User can register new Manufacturer by clicking on "Add Manufacturer" button. (highlighted in red in Figure 48)

## + Add New Manufacturer

Empanelled Agency*	Manufacturer Name *	Manufacturer Patrs *
	✓ Manufacturer Name	Please Select Parts
Asset Type*	Manufacturing Capacity (Me	anthly) * Address *
	Manufacturing Capacity	Address
City *	State*	District*
City	-	\$
Contact Person	Phone	GST No.
Contact Person	Phone	GST No.
)		
Distributed Solar PV	Off Grid Solar Pump	Grid Connected Solar Pump

Figure 53 NEW MANUFACTURER DETAILS

х

#### Table 17 MANUFACTURER REGISTRATION FIELDS DESCRIPTION

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

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



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

# **11.2 REGISTRATION OF PRODUCT DETAILS**

- Product details corresponding to Manufacturer and Empanelled Agency need to be added while creation of Asset Test Report which will be further added in Lot creation. (click <u>here</u> to know more)
- Super Admin can register new Product Details by clicking on "Product" tab as pointed in below Figure 51.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on Product Tab



Figure 54 PRODUCT TAB

Product List					🗊 Delete 🕇 Add Product 📲 Expor
Search:		Show 100 🗸 entries			
Select	Model No	Manufacturer 🗘	Empanelled Agency	AssetType	🗘 IsMakeInIndia 🗘
D	ISEN335	ICON Solar-En Power Technologies Pvt. Ltd.	Rotomag Motor and Controls Pvt Ltd	Solar Panel	Yes
0	SBPL/10HP DC	M/s Sai Babuji Project Pvt	Sai Babuji Projects	Pump Controller with RMS	. Yes
0	300 W72	Rejesthen Electronics And Instruments Limited	Rajasthan Electronics And Instruments Limited	Solar Panel	Yes
0	4800024837	Shakti Pumps	Rajasthan Electronics And Instruments Limited	Structure	Yes
0	9 & 10 Module Mounting Structure along with hardware	MAN	Tata Power Solar Systems Limited	Structure	Yes
D	9 & 10 Module Mounting Structure along with hardware	Raydean	Tata Power Solar Systems Limited	Structure	Yes
D	9000-100-8.5 AC	Oswal Pumps Ltd	Tata Power Solar Systems Limited	Pump	Yes
٥	9500000878 SOLAR 97.5 DCSSP 9000 #10 HP, 20 Mtr.	Shakti Pumps	Rajasthan Electronics And Instruments Limited	Pump	Yes
	9500000878 SOLAR 97.5 DCSSP 9000 #10 HP, 20 Mtr.	Shakti Pumps	Rajasthan Electronics And Instruments Limited	Pump Controller with RMS	Yes

Figure 55 PRODUCT TAB DASHBOARD

Action	Functionality	Highlighted Colour	Туре	Description
Search	Search Product	Blue	Text Box	Enter input to explore Product details
Delete	Delete Product	Yellow	Button	Select check box (highlighted in <b>pink</b> ) 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	В	C	D	E
1	Model No	Manufacturer	Empanelled Agency	AssetType	IsMakeInIndia
2	ISEN335	ICON Solar-En Power Technologies	Rotomag Motor and Controls Pvt Ltd	Solar Panel	Yes
з	SBPL/10HP DC	M/s Sai Babuji Project Pvt	Sai Babuji Projects	Pump Controller with RMS	Yes
4	300 W72	Rajasthan Electronics And Instrumer	Rajasthan Electronics And Instrumer	Solar Panel	Yes
5	4800024837	Shakti Pumps	Rajasthan Electronics And Instrumer	Structure	Yes
6	9 & 10 Module Mounting Structure a	MAN	Tata Power Solar Systems Limited	Structure	Yes
7	9 & 10 Module Mounting Structure a	Raydean	Tata Power Solar Systems Limited	Structure	Yes
8	9000-100-8.5 AC	Oswal Pumps Ltd	Tata Power Solar Systems Limited	Pump	Yes
9	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
10	9500000878 SOLAR 97.5 DCSSP 9000 #	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
11	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
12	9500001460 SOLAR 40 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
13	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
14	9500001510 SOLAR 23 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
15	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
16	9500001550 SOLAR 19 DCSSP 9000 #1	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump Controller with RMS	Yes
17	AC/DC	VER Energy India Pvt Ltd	VRG ENERGY INDIA PVT LTD	Pump Controller with RMS	Yes
18	ASP-7-340	Mundra Solar PV Limited	Shakti Pumps I Ltd	Solar Panel	Yes
19	ATHARVA ISEN 320WP	Icon Solar-En Power Technologies P	Ethos Power	Solar Panel	Yes
20	DCSSP 9000	Shakti Pumps	Rajasthan Electronics And Instrumer	Pump	Yes
21	DESERV 3M6-320	Renewsys India Pvt. Ltd.	Shakti Pumps I Ltd	Solar Panel	Yes
22	ECO 320 H & 325 H	PV Power Tech. Pvt. Ltd.	Shakti Pumps I Ltd	Solar Panel	Yes
23	ECO325H	PV Power Technologies Ltd	Tata Power Solar Systems Limited	Solar Panel	Yes
24	ECO335H	PV Power Technologies Ltd	Tata Power Solar Systems Limited	Solar Panel	Yes
25	Ecotron V4.0	Ecozen Solutions Pvt. Ltd.	Ecozen Solutions Private Limited	Pump Controller with RMS	Yes

#### Figure 56 CSV OF PRODUCT DETAILS

• User can register new Product by clicking on "Add Product" button. (highlighted in red in Figure 52)

				)
Manufacturer	Manufacturer			
M/s.Mecwin Technologies Pvt. Ltd.	~	Pump		~
Empanelled Agency				
Shakti Pumps (India) Ltd.	~			
		C	ancel	Save
	Manufacturer M/s.Mecwin Technologies Pvt. Ltd. Empanelled Agency Shakti Pumps (India) Ltd.	Manufacturer M/s.Mecwin Technologies Pvt. Ltd. Empanelled Agency Shakti Pumps (India) Ltd.	Manufacturer Asset Type M/s.Mecwin Technologies Pvt. Ltd. ✓ Pump Empanelled Agency Shakti Pumps (India) Ltd. ✓	Manufacturer Asset Type          M/s.Mecwin Technologies Pvt. Ltd.       V         Empanelled Agency       Fumps         Shakti Pumps (India) Ltd.       V

Figure 57 NEW PRODUCT DETAILS
Field	Input	Drop Down & Check Box Options	Mandato ry Field	Sample Values	Description
Model No.	Text	-	✓	VPS6750-30-7.5- AC	-
Empanelled Agency	Drop Down	<ul> <li>Sri Savitri Solar Pvt. Ltd</li> <li>Junna Solar System Pvt. Ltd.</li> </ul>	~	Junna Solar System Pvt. Ltd.	Selection of relevant Empanelled Agency
Manufacturer	Drop Down	<ul> <li>BHEL</li> <li>Ecozen Solutions Pvt LtdEthos Power Pvt. Ltd</li> <li>Junna Solar Systems Pvt Ltd</li> </ul>	~	Junna Solar Systems Pvt Ltd	Selection of the relevant manufacturer of the product
Asset	Drop Down	<ul> <li>Pump</li> <li>Solar Panel</li> <li>Pump Controller with RMS</li> <li>Structure</li> </ul>	~	Pump	Selection of the asset type
Is Make In India	Check Box	-	✓	-	Selecting this Check Box conveys that product is made in India

### Table 19 PRODUCT REGISTRATION FIELDS DESCRIPTION

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

# **11.3 REGISTRATION OF TENDER CHECKLIST**

- 11.3.1 Tender Checklist is a template consisting of tender checklist items which acts similar to "guaranteed technical particulars (GTP)" and filled by empanelled agencies as self-declaration of compliance to tender specifications during lot creation andverified by the State Implementing Agency after the lot creation. (click here to know more)
- 11.3.2 SIA with Super Admin credentials can register new Tender Checklist by clicking on "Tender Checklist" tab as pointed inbelow Figure 55.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on Tender Checklist Tab



Figure 58 TENDER CHECKLIST TAB

• Checklist List						Delete	+ Add CheckList
Search:							Show 100 🗸 entries
Select	Checklist Name 🔺	Tender Name 🗘	Asset Type 🗘	Tender Clause 🗘	Asset Category 🗘	Asset SubCategory 🗘	Revision 🗘
	Pump	Off Grid Solar Pump of 10 HP	Pump	3.4.5			1
	Pump	Off Grid Solar Pump	Pump	3.4.5			1
	Pump Controller with RMS	Off Grid Solar Pump	Pump Controller with RMS	3.6,4.A,4.B.4.C.4.D,4.F,4,G	AC	3 HP	1
	Pump Controller with RMS	Off Grid Solar Pump of 10 HP	Pump Controller with RMS	3.8,4.A,4.B.4.C.4.D,4.F,4,G			1
	Solar Panel	Off Grid Solar Pump	Solar Panel	3.3			1
	Solar Panel	Off Grid Solar Pump of 10 HP	Solar Panel	3.3			1
	Structure	Off Grid Solar Pump	Structure	3.5			1
	Structure	Off Grid Solar Pump of 10 HP	Structure	3.5			1

### Figure 59 TENDER CHECKLIST TAB DASHBOARD

#### Table 20 TENDER REGISTRATION FIELDS DESCRIPTION

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

Delete	Delete Tender Checklist	Yellow	Button	Select check box (highlighted in <b>pink</b> ) 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

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

### Figure 60 CSV OF TENDER CHECKLIST

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

### + Add New Checklist

Checklist Information					
Select Tender*		Asset Type *		As	sset Category
-	÷	-	\$	9	Select 🗘
Asset SubCategory		Checklist Name *		Te	nder Clause
Select	ŧ	Checklist Name		Te	ender Clause
Revision	_		_		_
Revision	□ Distribu	ted Solar PV	□ Off Grid Solar Pu	ump	<ul> <li>Grid Connected Solar</li> <li>Pump</li> </ul>
					Cancel 🕞 Save
		Figure 61 NEW CH	ECKLIST DETAILS		

#### Table 21 TENDER CHECKLIST REGISTRATION FIELDS DESCRIPTION

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

 $\times$ 

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

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

# **11.4 REGISTRATION OF TENDER CHECKLIST DETAILS**

- 11.4.1 Tender Checklist Details is an individual checklist item which corresponds to tender specification/requirement. Empanelledagencies declare their compliance/deviation against ideal response. (click here to know more)
- 11.4.2 Super Admin can register new Tender Checklist Template by clicking on "Tender Checklist Detail" tab as pointed in belowFigure 59.
- > Navigation Step :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the Setting Module
  - 3. Click on Tender Checklist Detail Tab



Figure 62 TENDER CHECKLIST DETAIL TAB

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

8	~	Gał
		_
Solar Panel		
Pump Controller with RMS		
Structure		
Pump		
Solar Panel		
Pump Controller with RMS		
Structure		
Pump		

Figure 63 SELECT TENDER CHECKLIST TEMPLATE

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

Select Tender (	Checklist Template								
Solar Panel		•	GOI	1.00					
O• Tender C	hecklist Template List						De	elete Add Tender Che	cklist Template Export
Search:								S	how 100 💌 entries
Select	Name	Sequence 💠	Field Type 💠	Ideal Response 💠	Tender Clause 💠	Product Document	Third Party Certificate	Standards or Compliance 🗘 Declaration	Deviation Declaration
	Qualify to IS/IEC 61730	1	Boolean	Yes	3.3.3	Yes	No	Yes	No
	Certificates as per IS 14286/IEC 61215 specifications/equivalent National/International/ Standards	0	Boolean	Yes	3.3.2	No	Yes	Yes	No
	Fill factor as measured >70%	3	Boolean	Yes	3.3.4	No	No	Yes	No
	IEC TS 61701:2011 for salt mist corrosion test for coastal area installation	5	Boolean	yes	3.3.6	No	Yes	Yes	No
	Indigenous manufactured solar modules with indigenous mono/multi crystalline silicon solar cells	11	Boolean	Yes	3.8	No	Yes	Yes	No
	Module Efficiency as measured >15%	2	Boolean	Yes	3.3.4	No	No	Yes	No
	Module to Module wattage mismatch	7	Boolean	Yes	3.3.9	Yes	No	Yes	No
	Modules - qualify to IEC TS 62804-1:2015	4	Boolean	Yes	3.3.5	No	Yes	Yes	No
	Name Plate conform to IS 14286/IEC 61215I	6	Boolean	Yes	5.1	No	No	Yes	No
	PV Modules warranted for output	10	Boolean	Yes	3.3.10	Yes	No	Yes	No

#### Figure 64 TENDER CHECKLIST TEMPLATE DASHBOARD

#### Table 22 TENDER CHECKLIST TEMPLATE DASHBOARD EXPLANATION

Action	Functionality	Highlighted Colour	Туре	Description
Search	Search Tender Checklist Template	Blue	Text Box	Enter input to explore Tender Checklist Template
Delete	Delete Tender Checklist Template	Yellow	Button	Select check box (highlighted in <b>pink</b> ) 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

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

#### Figure 65 CSV OF TENDER CHECKLIST TEMPLATE

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

Add New Tender Checklist Te	mplate				×
CheckList Information					
Label Name		Sequence			Field Type
Lable Name		Sequence			- \$
Ideal Response		Sign			Tender Claus
Ideal Response		-	\$		Tender Clause
Product Document Attachment.	□ Third Pa	arty Certificate	Deviation Declar	aratio	D Standards or Compliance Declaration
					Cancel Save

Figure 66 NEW TENDER CHECKLIST DETAILS

#### Table 23 TENDER CHECKLIST TEMPLATE REGISTRATION FIELDS DESCRIPTION

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

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

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

# 11.5 AUDIT TRAIL

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

### > Navigation Step :-

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



Figure 67 AUDIT TAB

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

icut under los	-	Delett opace			
Please Select	~	User	~	19/07/2021 - 19/07/2021	Go
			Q		
		-			
		Consumer	<b>^</b>		
		SchemeProgress			
		SiteSurvey			
		State			
		District			
		Asset Types			
		master product			
		master Service Center			
		master Master Manufacturer	4 Q		
		Martar Arrat Status			

Figure 68 AUDIT TAB FILTERS

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

ect District	Select Sp	ace				
	<ul> <li>✓ User</li> </ul>		× 19/07/2021	- 19/07/2021	Go	
Audit Trail						
arch						Show 10 V e
Space	Spacerefid O	Action	C Action Date C	Action By	Construction Construction	Component
SchemeProgress	7404417	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp -2021-07-19 00:00:00.StatusCode -12.SubStatusCode1	b
SchemeProgress	12561510	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp -2021-07-19 00:00:00;StatusCode -12;SubStatusCode1	ь
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	Q416498347	SchemeProgress Created With TimeStamp -2021-07-19 00:00:00.StatusCode -12.SubStatusCode1	b
SchemeProgress	6806333	Crested	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp -2021-07-19 00:00:00:StatusCode -12:SubStatusCode1	ь
SchemeProgress	6635290	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp -2021-07-19 00:00:00.StatusCode -12.SubStatusCode1	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	ь
SchemeProgress	5903169	Created	2021-07-19 09:07:00	9416498347	SchemeProgress Created With TimeStamp2021-07-19 00:00:00 StatusCode:-12 SubStatusCode:1	ь



- 11.5.5 As shown in above Figure 66, filtered dashboard by selecting District : Amritsar, Space : Scheme Progress and date range, one can find details like the person's registered username (shown as phone numbers in above Figure 66) who had made updates in scheme progress, the date on which updates was made, the action he made while updating Scheme Progress, etc.
  - 11.5.6 User can search for specific detail by entering input in "Search" box. (highlighted in red in Figure 66)
- 11.5.7 User can download a csv file (refer Figure 67) of filtered Audit details by clicking on export button. (highlighted in blue in Figure 66)

1SpaceSpacerefitActionAction DateAction ByDescriptionCompon2SchemeProgress740441Created7/19/2019:07941649837SchemeProgressSchemeProgress1256150Created7/19/2019:07941649837SchemeProgressSchemeProgress6039159Created7/19/2019:07941649837SchemeProgressSchemeProgress6039159Created7/19/2019:07941649837SchemeProgressSchemeProgress1366505Created7/19/2019:07941649837SchemeProgressSchemeProgress1366505Created7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressSchemeProgress663529Created7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressSchemeProgress1331590Created7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated7/19/2019:07941649837SchemeProgressCreated <th>ent</th>	ent
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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	
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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	
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21 SchemeProgress 6063508 Created 7/19/2021 9:07 9416498347 SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00, StatusCode:-12, SubStatusCode:1 b	
22 SchemeProgress 12134762 Created 7/19/2021 9:07 9416498347 SchemeProgress Created With TimeStamp:-2021-07-19 00:00:00, StatusCode:-12, SubStatusCode:1 b	

Figure 70 AUDIT DETAILS – CSV FILE

# **11.6 APPLICATION WORKFLOW STAGES**

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

#### Table 24 FARMER APPLICATION WORKFLOW STAGES

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

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

# 12 CONSUMER/FARMER APPLICATION REGISTRATION

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

> Navigation Steps for Consumer/Farmer application Registration :-

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





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

#### Figure 72 SELECT DISCOM



Figure 73 Add FARMER BUTTON



• Click on the "Add Plant" button as highlighted in red in the above Figure 71.

# + Add SPG OR DEVELOPER

SPG OR DEVELOPER			~ ~		
PLANT LOCATION DETAILS					
State	District	Taluka	Town		
Uttar Pradesh 🗘	Please Select 🗘	Please Select 🗘	÷		
	LOCATIO	ON DETAILS			
Latitude (Provisional) *	Longitude (Provisional) *	Land Coverage (Hectare) *	Land Survey No		
Latitude	Longitude	Land Coverage	Land Survey No		
OTHER DETAILS			~ ~		
Capacity of Solar Plant to be deployed (MW) * Distance between proposed land and sub station (KM) *					
Capacity of Solar Plant to be deplo	oyed (MW)	Distance between proposed lan	nd and sub station (KM)		
TARIFF DETAIL			~ ~		
PPA Tariff (0 to 10 RS.)					
PPA Tariff (0 to 10 RS.)					
			Cancel Save		

Figure 74 ADD FARMER FORM

 $\times$ 

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

### > SPG OR DEVELOPER

PG OR DEVELOPER				^
Registration Type *	Device type *		LOA No *	Implementation Agency *
Please Select 🗘	Feeder IOT	\$	LOANo	KREDL ‡
Commissioning Date *	Discom Name *		Circle Name *	Division Name *
Commissioning Date	Please Select	\$	:	÷ ÷
Sub Division Name *	Sub Station Name	ŧ		
÷		\$		
Substation Level Plant Name *	Substa	tion Level Pla	ant Mode *	
Substation Level Plant Name	RESCO	)	÷	
		GRID FEED	DER DETAILS	
Rating of Feeder *	Length Of 11 KV Li	ne *	Length Of CT Line	Multiplication Factor *

Figure 75 SPG OR DEVELOPER

Field	Input	Drop Down Options	Mandat ory Field	Sample Values	Description
Registration Type	DROPDO WN	Plant DT FARMER	✓	Plant	This functionality describes registration type of dropdown
Device type	Drop Down	- FEEDER IOT	<ul> <li>✓</li> </ul>	FEEDER IOT	This functionality describes type of device
LOA NUMBER	TEXT		✓	123	This functionality provides LOA number of farmer.
Implementation Agency	Drop Down	- AD	✓	AD	This functionality provides facility to select implementing agency
Commissioning date	Text	-	-	02/04/2023	This functionality presents date of commission
Discom Name	Drop Down	- AGRA		AGRA	This functionality provides facility to select discom
Circle Name	Drop Down	- CIRCLE 1 - CIRCLE 2 - CIRCLE 3	✓	✓ CIRCLE 2	This functionality provides facility to select Circle name
Division Date	Drop Down	SELECT FROM DATE INPUT FIELD		01/02/2023	This functionality provides facility to select DIVISION name
Sub Division Name	Drop Down	<ul> <li>SUB DIVISION</li> <li>1</li> <li>SUBDIVIS ION 2</li> <li>SUBDIVIS ION 3</li> </ul>	V	✓ SUBDIVI SION 3	This functionality provides facility to select SUB DIVISION name
Sub station name	Drop Down	<ul> <li>SUBSTATION 1 <ul> <li>SUBSTATION</li> <li>SUBSTATION</li> <li>SUBSTATION</li> <li>3</li> </ul> </li> </ul>	✓	- SUBSTATIO N 2	This functionality provides facility to select sub station name

### Table 25 APPLICATION AND CONSUMER DETAILS

Substation level plant mode	Drop Down	<ul> <li>PLANT MODE</li> <li>1</li> <li>PLANT MODE</li> <li>2</li> </ul>	✓	PLANT MODE 1	This functionality provides facility to select sub station level plant mode name
Substation level Plant Name	Text		√	UPERA	Enter the name of substation level plant

#### > Grid Details

GRID FEEDER DETAILS								
Rating of Feeder *	Length Of 11 KV Line *	Length Of CT Line	Multiplication Factor *					
Rating of Feeder	Length Of 11 KV Line	Length Of CT Line	Multiplication Factor					

#### Figure 76 Grid Feeder Details

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

- TOWN 2 - TOWN 3 1 the farmer's residence town
---

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

#### Table 26 OTHER DETAILS

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

#### Table 27 TARIFF DETAILS

TARIFF DETAILS	5				
PPA Tariff (0 to 10 RS.)	Text	-	~	2	Enter value between 0 to 10
		-			

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

### > PLANT LOCATION DETAILS

PLANT LOCATION DETAILS						
State E	District		Taluka		Town	
KARNATAKA 🗘 B	ALLARI	;	KAMPLI	ŧ	Please Select	\$
	Figure 77 PLA	NT LOO	CATION DETAILS			
TARIFF DETAIL						~ `
PPA Tariff (0 to 10 RS.)						
1						
	Figure	78 TAF	RIFF DETAILS			
OTHER DETAIL S						~ `
Capacity of Solar Plant to be deployed	ed (MW) *		Distance between pr	oposed land	and sub station (KM) *	
Capacity of Solar Plant to be deploy	ved (MW)		Distance between p	roposed land	and sub station (KM)	
	Figure 7	79 OTH	IER DETAILS			

### User Manual – UTTAR PRADESH STATE SEDM PLATFORM (C FEEDER LEVEL SOLARIZATION)

Plant List																+Ad
Select Discom		Select Circle	(Level	Sel	ect Division	1000	S	elect Sub Division	) 	Sele	ct Sub Stat	on	1			
esse Select	~	Please Select	>	Plea	se Select	~	Pi	ease Select	~	Plea	se Select	*		50		
CSV Excel	Search:			A	I Registration Typ	e	~	All			~	Show	10 🗸 entries		Show	/ hide colur
icheme rogress ☆ Defails	Update Status	• (	Plant Location	Documents 🛟	Application Status	SPG or Developer \$ No	SPG or Developer ≎ Name	Registration Type	Registration Category	Device Type \$	Feeder Level Plant <sup>\$</sup> Mode	Generation Tariff	Implementation Agency	Rating of ≎ Feeder	Length Of 11 KV Line	Length Of CT ☆ Line
	LOA award PPA signing	_	2	Documents	Feasible Applications	34532	test	PLANT		FeederIOT			RESCO		KREDL	5
	Financial Clearance															
howing 1 to 1 of 1	entries				114 										Previous	<b>1</b> N

#### Figure 80 DETAIL DASHBOARD

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

I Plant List											+ Add Plant
Select Discon	n Select Circle V Please Select	t v	Select Division Please Select	V Pie	elect Sub Division	~	Select Sub Static	on V	GO		
CSV	Excel Search:		All Registration Type	• •	All		~	Show 10 💙 entri	25	Show /	hide columns
Scheme Progress ☆ Details	Update Status	≎ Plant Location ≎ Docur	iments 💸 Application 🛟 C	SPG or SPG or Developer ≎ Developer ≎ No Name	Registration Type	Registration ↓ D Category ↓	Device Type Type Device Type Type Type Device Plant Mode	Generation Tariff Agency	Rating ≎ of ≎ Feeder	Length Of 11 KV ≎ C Line	ength DFCT ☆ Fa Line
	LOA award PPA signing Financial Clearance	Doc	Feasible Applications	34532 test	PLANT	F	FeederIOT	RESCO		KREDL	5
4 Showing 1 to	o 1 of 1 entries									Previous	1 Next

#### Figure 81 CONSUMER DETAIL DATA COLUMNS (I)

Consumer Details Dashboard Explanation

<i>u</i>					
5. (50) (50) (50) (50)	Please Select ~	Please Select ~	Please Select ~	Please Select ~	GO
CSV Excel Sea	irch:	All Registration Type	All	Show 10	v entries Show / hide columns
cheme		Plant Appl	ication SPG or SPG or	Registration Registration	Feeder Device Level Generation

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

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

#### Figure 82 CONSUMER/FARMER DETAIL DASHBOARD

• To view the complete details of the applicant click on the "Farmer name" highlighted in purple box under Farmer Name in ninthcolumn.

### User Manual – UTTAR PRADESH STATE SEDM PLATFORM (C FEEDER LEVEL SOLARIZATION)

I Plant List									+/	Add Plant
Select Discom	Select Circle V Please Select	~	Select Division Please Select	S Y	elect Sub Division	Select Sub Static Please Select	on v	GO		
CSV Ex	xxxel Search:		All Registration Typ	e <b>v</b>	All	~	Show 10 🗸	ntries	Show / hide col	Jumns
Scherne Progress ☆ Details	Update Status	♀ Plant Location ♀ D	Documents 🗘 Application 👌 Status	SPG or SPG or Developer No Name	Registration Type Category	C Device Type → Hant Mode	Generation Tariff Agency	ation	Length Of 11 KV ♀ Line Line	Multij Fa
	LOA award	-	Documents Feasible Applications	34532 test	PLANT	FeederIOT	RES	со	KREDL 5	
	PPA signing									
1 Showing 1 to 1	1 of 1 entries								Previous 1	Next

Figure 83 DETAILS DASHBOARD EXCEL FILE (II)

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

User Manual – UTTAR PRADESH STATE SEDM PLATFORM (C FEEDER LEVEL SOLARIZATION)

				+ Add Plant
~	Select Sub Sta Please Select	tion 🗸	GO	
	~	Show 10	✓ entries	Show / hide columns
SPG or Developer ☆ Name	Registration Type	Registration Category	Device Type ≎	Fee Let Scheme Progress Plant Mo Vpdate Status
test	PLANT		FeederIOT	<ul> <li>Plant Location</li> <li>Documents</li> </ul>
				Application Status
				Pre SPG or Developer
				Registration Type
				Registration Categ

#### Figure 84 show and hide button

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



#### Figure 85 SCHEME PROGRESS DETAIL OF CONSUMER/FARMER

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

# **12.1 No of Solar Plants**

-

Below are the authorized users to Authenticate the application :

- State Implementing Agency (SIA)
  - Sub Division Officer (SDN)
  - Head Officer (HO)
- Navigation Steps to change application status Authentication :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the "Details" on Consumer Module as shown in below figure

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

Sch Dev Mot	eme Progress Of: test i veloper No: 111 bile No:			×
Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	No. of Solar Plants	19-07-2023	SuperAdmin	
2	Plant Location	19-07-2023	SuperAdmin	
3	LOA award			
4	PPA signing			
5	Financial Clearance			
6	Installation & Completion			
7	Electrical Inspector Certificate Received			
8	Export Meter Connected & Permission Received			
9	Testing, Commissioning & Synchronization			
10	Plant Charged			
11	Go Live with RMS Data			
12	On Hold			

Figure 86 NO OF SOLAR PLANTS

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

# **12.2 PLANT LOCATION**

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

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

• Head Officer (HO)

CC SC De Mo	heme Progress Of: test i veloper No: 111 bile No:			×
ea Sr No.	Status	Date	Status Updated By	Mobile No of Status updated by
1	No. of Solar Plants	19-07-2023	SuperAdmin	
2	Plant Location	19-07-2023	SuperAdmin	
3	LOA award			
4	PPA signing			
5	Financial Clearance			
6	Installation & Completion			
7	Electrical Inspector Certificate Received			
8	Export Meter Connected & Permission Received			
9	Testing, Commissioning & Synchronization			
10	Plant Charged			
11	Go Live with RMS Data			
12	On Hold			

Figure 87 PLANT LOCATION

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

### 12.3 LOA Awards

- Below are the authorized users for Feasible Application:
  - State Implementing Agency (SIA)
  - Sub Division Officer (SDN)
  - Head Officer (HO)
- > Navigation Steps to change application status "Feasible Application" :-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the "Details" on Consumer Module as shown in below

HO	ME Consumer	Scheme Progress	Live Monito
Individual Asset & IMEL Mappi	ng 🖵 Sumn	nary	
	😯 Detail	s	
IMEI No:			Solar F
IMEI No		GO	Solar

#### Figure 89 consumer detail

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

Scheme Progress ☆ Details	Update Status	\$ Plant Location ~	Documents 🛟	Application Status	SPG or Developer ☆ No	SPG or Developer ☆ Name	Registration Type ົ	Registration Category ↔	Device Type 🗘	Feeder Level Plant <sup>2</sup> Mode	Generation Tariff ∽
	LOA award		Documents	Feasible Applications	34532	test	PLANT		FeederIOT		
	PPA signing										
	Financial Clearance										
•											F
Showing 1 to	a 1 of 1 antrias									Previous	1 Nevt
			Figure	90 LOA	AWARD						

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

	*		m	100 <b>0</b> 177 <b>0</b> 7			3. III		
		Chessetter	Technical Ver	fication Detail Of I test		En Dennis (St	Intelli	SCAD	8-
E Plant List			Application N	0 34532				18	August 11 august
Balan Drawn		Seer Drive	Mobile No: 0						
BEDCOM		Wasse Gelatt		Application Type	PLANT				
			2	Discon Name	BESCOV				
SEN E	(m) (****)		3.	Circle Name	RANGALORE RURAL	= <u>-</u>	E	on hill of	
Informer				Overlan Name	HOSAKOTE	Table	Arright	Length	
Program () Details	Marthein Slinters			Sub-Dicator Nerve	DEVANAHALLI	D Agency C of C	RV =	Line	
		_	1	Gub-Diation Name	Librativ				
	COntineini	_	Ŧ.	Dated	BADALKOTE	Assoo	1.1117-	1	
			- E	Teluto					
				Тант					
			10	Latture	18.1817				<u>×</u>
Showing The	TATE MANY		11	Langitude	75 595001			1	-
			12	Land Ooverage	3				
			u	Burray No.					
			- 19.	Photograph of kite					
			18	Technical Verification Done By	Busenaria				
			- 16	Reason From Docem Officer					
Developed by Ha	arkeupa Automation Pyt Lis	L Presented By I			Head Annape Project		1200	57400-9	Team

### Figure 91 PLANT LOCATION

Note:

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

User Manual – UTTAR PRADESH STATE SEDM PLATFORM (C FEEDER LEVEL SOLARIZATION)



#### FIGURE 91 APPLICATION ACCEPT BUTTON



FIGURE 92 APPLICATION HOLD-REJECT BUTTON

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

Note: (MaxLength 500 Character)			

FIGURE 93 REASON FOR APPLICATION HOLD/REJECT



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

Scheme Progress ☆ Details	Update Status	Plant	> Documents <	Application Status ~	SPG or Developer ☆ No	SPG or Developer ☆ Name	Registration Type ົ	Registration Category 🌱	Device Type ົ	Feeder Level Plant ~ Mode	Generation Tariff ↔
	LOA award		Documents	Feasible Applications	34532	test	PLANT		FeederIOT		
	PPA signing										
	Financial Clearance										
4											E.
Showing 1 t	to 1 of 1 ontrine									Previous	1 Nevt

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

# 12.4 PPA Signing

- Below are the authorized users for Order Placed to EA :
  - State Implementing Agency (SIA)
    - Sub Division Officer (SDN)
    - Head Officer (HO)
- Navigation Steps to change application status PPA Signing:-
  - 19 Sign in on the State SEDM Portal
  - 20 Click on the "Details" on Consumer Module as shown in below Figure 96 Details
- After LOA Award, authorized users has to change the status "PPA Signing".
- In Details dashboard as shown in below figure, Consumer/Farmer details are displayed along with the blue buttons of Status in second column.





**FIGURE 96 DETAILS** 

Figure 93 PPA SIGNING

# **12.5 Financial Clearance**

Below are the authorized users for Financial Clearance :

- 12.5.1 State Implementing Agency (SIA)
  - 12.5.1.1 Sub Division Officer (SDN)
- 12.5.1.2 Head Officer (HO)
- Navigation Steps to change application status PPA Signing:-
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the "Details" on Consumer Module as shown in below Figure 96 Details



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

Scheme Progress ☆ Details	Update Status	Plant Location 🔶	Documents 💠	Application Status	SPG or Developer ☆ No	SPG or Developer ☆ Name	Registration Type	Registration Category 🗘	Device Type 💝	Feeder Level Plant <sup>©</sup> Mode	Generation Tariff
	LOA award		Documents	Feasible Applications	34532	test	PLANT		FeederIOT		
	PPA signing										
	Financial Clearance										
•											×
Showing 1	to 1 of 1 entries									Previous	1 Next



# **13 LIVE MONITORING**

- The Live Monitoring Module on SEDM Platform gives the users a dynamic functionality to monitor and assess the scheme statistics as well as the functioning of the solar plant/pump efficiently, all of this from a single window.
- > Navigation Steps: -
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the 'Live Monitoring' option on the Title Bar of the SEDM Portal Dashboard
  - 3. Navigate "Dashboard" (as shown in Figure 102)
- Sign In >> Live Monitoring >> Dashboard

User Manual – UTTAR PRADESH STATE SEDM PLATFORM (C FEEDER LEVEL SOLARIZATION)



Figure 95 LIVE MONITORING DASHBOARD OPTION

	HOME Consumer	Scheme Progress	ive Monitoring	Device Registration	لکے User Role	5	English V	telliSCADA
Individual Asset & I	MEI Mapping							
IMEI No: IMEI No		GO	Solar Plant No Solar Plant No		GO			
Select District BAGALKOTE	Select S PPA Sign a Consumer Info □R	itatus ning ÷ lealTime © History)	GO					
CSV Excel					Search	1:		Show / hide columns
S.No.	SPG/DEVELOPER Name	Mobile No. 🔇	Cocation District 🗘	Latitude 🗘	Longitude 🗘	Spv Capacity As Per Norms	Inverter Capacity As Per Norms	Tariff Of Access
1	BALDEV SINGH	9466831358	BAGALKOTE	23.22	25.36	520	750	400
2	SUKHWINDER SINGH	8059554246	BAGALKOTE	30.63	31.53	1000	1300	900
3	TUSHAR RANDHAWA	8901260497	BAGALKOTE	21.3386	73.783	2000	2500	1900

### Figure 96 LIVE MONITORING

FIGURE 103 LIVE MONITORING DASHBOARD

• Last Updated Time Stamp (highlighted in yellow in above Figure 103)
It is the start date when the system became operational.

- This time stamp updates every 15 minutes in Live Monitoring Dashboard on State SEDM Platform and consequently, data of live monitoring dashboard gets updated every 15 minutes.
- Empanelled Agency Filter (highlighted in blue in above Figure 103)
  - User can view live monitoring dashboard data of all empanelled agencies or else, can view data empanelled agency wise also by filtering out empanelled agency.
- **Consumer Details** (highlighted in red in above Figure 103)
  - By clicking on the "Consumer Details" button, user can view a screen where the consumer details as well as their corresponding RMS details (last updated) will be displayed and can also edit consumer's RMS latitude-longitude in this screen only just for once.

Consu	ner Detail											_		×
CSV Excel PDF Search				earch						Show	100 🗸	entries	Show / hide columns	
Sr.	District 🗘	EAName 🗘	Farmer Name 🗘	ApplicationNo.	) IMELINO ¢	Close 0	Pump Capacity ≎ (HP)	PV Module Capacity ≎ (KW)	Time Stamp 🗘	Network Strength $\diamond$	Pump Status ≎	Current Generation \$ (kW)	Today Solar Generation <sup>©</sup> (kWh)	Tota Gen (k
1	AMRITSAR	Ethos Power	SHIV RAM SAINI	PB/PM KUSUM- B/4565	861551043822816	Lat:28.99038,Long:76.0423	5	4.8	2021-09- 09 12:37:36	25	RUNNING	0.7	5.4	103
2	AMRITSAR	Rotomag Motor and Controls Pvt Ltd	JARNAIL SINGH	PB/PM KUSUM- B/4566	862818047130283	Lat: 22.4914 Long: 72.8926	3	3	2021-09- 07 21:31:00	22	STOP	0	0	128
3	AMRITSAR	Ethos Power	DARSHAN SINGH	PB/PM KUSUM- B/4567	869247048789140	Lat: 30.57 Long: 77.05	5	4.8	2021-09- 09 12:39:37	10	RUNNING	3	9.4	9.4
4	AMRITSAR	Tata Power Solar Systems Limited	SANDEEP KALRA	PB/PM KUSUM- B/4568	860697058527583	Lat:30.23690,Long:76.70140	10	9	2021-06- 17 11:14:09	24	RUNNING	1.512	0.53	3.6

#### Figure 97 LIVE MONITORING DASHBOARD

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

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

Figure 98 UPDATE RMS LATITUDE - LONGITUDE

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

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

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

#### 1. Total Standalone Pumps

- It reflects the total numbers of applications whose application status is updated to "Installation & Verification done".

### 2. Total Pump Capacity

- It reflects the total sum of capacity (HP) of total standalone pumps.

#### 3. Total Module Capacity

- It reflects the total sum of SPV capacity of total standalone pumps. (SPV Capacity as per EA rate card, click <u>here</u> to know more)

#### 4. Total RMS Integrated Pumps

It reflects the total number of pumps who had sent RMS data on the portal for the first time.

#### 5. Total Solar Generation

- It reflects the total cumulative Solar Generation of RMS Integrated pumps till today. (in terms of MUs i.e. Million Units)

### 6. Total Water Discharge

- It reflects the total cumulative kilolitres of Water discharged from RMS Integrated pumps till today.

### 7. Total Pump Run Hours

- It reflects the total cumulative hours that RMS Integrated pumps ran till today.
- 8. CO2 Reduction (TON)
- CO2
- 9. Avg. Solar Generation per Pump
- Formula : Total Solar Generation / Total RMS Integrated pumps

### 10. Avg. Water Discharge per Pump

- Formula : Total Water Discharge / Total RMS Integrated pumps

### 11. Avg. Run Hours

- Formula : Total Pump Run Hours / Total RMS Integrated pumps
- Live Monitoring has three different coloured boxes (Red, Green and Blue as shown in Figure 103) are explained in below Table 35.

Box Name (Colour)	Sub Status	Description	Refer Figure 103 for below figures as an example
Communication Status (Red Box)	RMS Integrated Pumps	Displays Total RMS Integrated Pumps out of Total Pumps whose current status is Installation & Commission Done	<b>7808</b> (Total RMS Integrated pumps) <b>/ 12614</b> (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	<b>1525</b> (Pumps ran more than standard hours) <b>/ 7808</b> (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	<b>2033</b> (Total Pumps connected since last 30 minutes) <b>/ 7808</b> (Total RMS Integrated pumps)
	Disconnected	Displays Total no. of Pumps that are disconnected out of Total RMS Integrated pumps	<b>4250</b> (Total disconnected Pumps) <i>I</i> <b>7808</b> (Total RMS Integrated pumps)
	Location Matched	Displays Total no. of pumps whose latitude- longitude (captured while Site Survey) <b>matched</b> 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	<b>2956</b> (matched Latitude-Longitude) / <b>7808</b> (Total RMS Integrated pumps)
	Location Mismatched	Displays Total no. of pumps whose latitude- longitude (captured while Site Survey) <b>mismatched</b> 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	<b>3327</b> (mismatched Latitude- Longitude) <b>/ 7808</b> (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)	<ul> <li>542 (Pumps currently running) /</li> <li>2033 (Pumps connected since last 30 minutes)</li> </ul>
	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)	<ul><li>1470 (Pumps currently stopped) /</li><li>2033 (Pumps connected since last 30 minutes)</li></ul>
	Pumps in Protected Mode	Displays total no. of pumps that falls in below shown four categories (highlighted in red in below Figure 107) out of total no. of pumps	<b>21</b> (Invalid Pumps) / <b>2033</b> (Pumps connected since last 30 minutes)

#### Table 28 LIVE MONITORING – EXPLANATION OF THREE BOXES

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



LIVE MONITORING DASHBOARD

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

following list of Important Parameters of particular district:

- Standalone Solar Pumps
  - Total no. of Standalone Solar Pumps
  - Total Pump Capacity (HP)
  - Total Solar Module Capacity (Actual) (KW)
- RMS Integrated Pumps
  - o Total no. of RMS Integrated Pumps
  - Pumps in Run Mode
  - Pumps in Stop Mode
  - Pumps in Protection Mode
  - Current Solar Capacity Utilization of Pump in Run Mode (KW)
- Indicators
  - Pump Run Hours
  - Solar Generation (kWh)
  - Water Discharged (Kiloliter)
- By clicking upon district name, user will get a broad view of selected district in which consumers/farmers of that district (in terms of green and red location icons, as shown in below will be displayed.
  - Green Icon (Live) Consumer/Farmer's Solar Pump that is connected since 30 minutes.
  - Red Icon (Not Live) Consumer/Farmer's Solar Pump that is disconnected.
- User can filter out the view by selecting any of the three status of Solar Pump.
- Also user can navigate back to the state view by clicking on state name.

# **14 SUMMARY**

- Under the 'Consumer' tab title bar, there are two options in the drop-down menu. These options provide different views of application tracking and analysis.
- The first option is 'Summary' provides an overall Consumer Management Summary. This dashboard displays an organised flowchart which helps user to understand different stages of application processing and to view details about any specific EA if needed.
- Navigation Steps: -
  - 4. Sign in on the State SEDM Portal
  - 5. Click on the 'Consumer/Farmer' option on the Title Bar of the SEDM Portal Dashboard

- 6. Click on the 'Summary' option from the drop-down menu
- Go to Consumer and click on Summary



• Sign In >> Consumer >> Summary



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

- > Description of each and every coloured boxes of application status as shown in the above image
- Count of all application status will be incremented according to the status gets changed of the consumers/farmers by the authorized person.

#### Table 29 SUMMARY EXPLAINATION

Status 	Image	Description	Want to know how to change status? (Click Ctrl + Click)
No. of Solar Plants	No. of Solar Plants 0 0 MWp Discom Wise Details	It gives information about how many solar plants areplanted	
Plant Location	Plant Location 0 0 MWp Discom Wise Details	This gives us information about location of plant	
LOA Award	LOA Award O MWp Discom Wise Details	Selecting this Functionality will provide the access to update issue of LOA to the beneficiary/developer.	





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



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



Figure 101 INDIVIDUAL APPLICATION STAGE

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

номе с	No. of Solar Pla	a c c	sh .	<ul> <li>Intelliscada</li> <li>Intelliscada</li> </ul>
Last Updated Time: No. of Solar Plants 0	CSV Excel PDF	Search:	Show / hide columns	Financial Clearance
0 MWp Discom Wiste Detailis	Discom No data available in table	Circle 🗘 Division 🗘 SubDivision	🗘 No. of Plants 💠 MWp 🗘	0 MWp Discom Wise Details
Installation & Completion	Showing 0 to 0 of 0 entries		Previous Next	Go Live with RMS Data
MWp Discom Wise Details	MWp Discom Wise Details	0 MWp Discom Wise Details	0 MWp Discom Wise Details	Wp Discom Wise Defails

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

- In this table, users can choose to show or hide columns as per their preference by selecting 'Show / hide columns' button on top right corner.
- Additionally, users can search for their specific division or sub-division by inputting the relevant search query in the 'Search' dialogue box. (highlighted in red in below Figure 116)

# **15. SCHEME PROGRESS**

- The Scheme Progress Module of SEDM portal helps the users to track the progress of application with detailed information, to understand the user role management, to search for bulk queries, and to generate reports including the progress status and application workflow.
- Navigation Steps: -
- a. Sign in on the State SEDM Portal
- b. Click on the 'Scheme Progress' option on the Title Bar of the SEDM Portal Dashboard

- Sign In >> Scheme Progress
- Below are the brief points covered under this module:

# **16. SCHEME PROGRESS REPORT**

- > Navigation Steps: -
  - 1. Sign in on the State SEDM Portal
  - 2. Click on the 'Scheme Progress' option on the Title Bar of the SEDM Portal Dashboard
  - 3. Click on the 'Reports' option from the drop-down menu
  - Sign In >> Scheme Progress >> MIS Reports
  - With the Report feature in Scheme Progress Module on SEDM portal, the users can view and download various types of reports based on the input parameters of the filters provided.

		A HOME	And Consumer	Scheme Pro	ogress	Live Monitoring	Setting	Device Regist	ration Use	<b>3</b> Role			Englis	h •	ntelliso		2
III Farmer Lis	t													B Sa	we All Change	s 🥴 🕄 Syn	8
Select Distric BAGALKOTE	t S	·	Select EA		×	Select Capa ALL Capaci	city ty		Go	]							
Scheme Pro	gress Stage Iı Saral No.	nformati	on and Date	e Update Name	Father/H	usband Name	Empan	nelled Agency	Pump Capacity(H	No. of Solar Plants	Application Received	Plant Location	Feasible Applications	Go Live with RMS Data	Application Rejected	LOA award	• •
		<b>×</b> [		x	- 	x	-	x	<b>x</b>								
							144	H Page 1	of 0	*					1	No records to v	riew

Figure 103 SCHEME PROGRESS/ DETAILS

Different Types of Reports are:

## > YEARLY PROGRESS SUMMARY

SOLAR ENERGY DATA MANAGEMENT PLATFORM

- Yearly Progress Summary to show PM-KUSUM scheme progress statistics with respect to years.
- The filter options provided to the users are :
- Select Empanelled Agency
- Select District
- Select Year
- Result Type
- Application Status Selection
- Select sanction

#### • Tabular View

Select Empane	lled Agency	Se	elect District	Select Year		Result Type		
ALL		~ A	LL	× 2021	~	No. Of Application		
Select Status								
Authentication	n 😣 🛛 Site S	urvey Done 😣 🛛	Applicant Contribution Received	2	GO	Tabular Chart		
Order placed	to EA 🛞 🛛 I	nstallation & Commi	ission 🙁					
Last Updated	Time: 22-0	7-2021 01:01:44	*Uncategorized Reco	rds are Calculated As Per Wa	aterFilled Pump	Category.		
CSV Exc	el						Search:	
Sr No. 🗘	Year -	Month 🗘	Authentication 🗘	Site Survey Done 🗘		Applicant Contribution Received	Order placed to EA 💲	Installation & Commission 🗘
1	2021	January	10	10		10	10	10
2	2021	February	42	42		24	24	20
3	2021	March	9	9		9	5	5
4	2021	April	20	15		15	13	5
5	2021	May	43	44		44	44	44
6	2021	June	35	35		30	25	20
7	2021	July	24	20		17	10	10
Total			183	175		149	131	114
Showing 1 to	7 of 7 entries							



Chart View



Figure 105 Yearly Progress Summary – Chart view

## > DISTRICT/DISCOM PROGRESS SUMMARY

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

Tabular View

	Hane	Consumer Scher	Progress Asset Live	Carolining Deling Deene In	Z aginitalion Ch	ar Tota Complaint			English ¥	Intelliscada
Veerly Progress Su	mmary District Progress	Summary Capa	city Wise Progress Summi	ry Empaneilad Agency Progr	ess Summary	Gendler Wise Report				
Salact Empanals	ed Agency	Select Capacity		Result Type		Select Serctor				
ALL		ALL Capacity	-	No. Of Application		ALL	7			
Select Status	O Site Survey by EA O	Farmer Share Re	neived O Order plane	1 to EA O Installation by EA	•			60	Tabular Chart	
CSV Excel	ne: 20-07-2023 12:02:05	"Uncategori	zed Records are Calc	ulated As Per WaterFilled I	Pump Categ	югу		Search		
Sr No.	Oshiat	÷	Target (Not)	Authentication 0	Site	Survey by EA	Famer Sh	am Received 0	Onter placed to EA	Installation by EA.
1	AGRA	E.	0	234		105		234	224	195
3	AL/GARH			203		132		203	203	10
	AMBEDKAR NAGAR	0		170		38		170	170	20
+	Amatro			244		52		244	244	92
5	AMROHA			1025		003		1025	1026	765
	AURAIIA			132		01.		122	132	80
T	AYODHYA			129		122		326	326	174
	AZAMDARH			342		222		348	348	190
	BAGHPAT			184		118		154	194	141
10	BAHRAICH			301		162		201	201	100
.97	BALLIA			340		180		340	340	210
12	BALRAMPUR			190		74		190	180	92

#### Figure 106 District Progress Summary- tabular view

### • Chart View

Select Err	npanelled Agency	Select Capacity	Result Type
ALL	*	ALL	No. Of Application
Select Sta	itus		
Autherb	cation O Site Survey Done O Ap	plicant Contribution Received O Order placed to	60 Tabular Chart
ast Updat	ed Time: 19-02-2021 19:47:17	"Uncategorized Records are Calculated A	Per WaterFilled Pump Category.
		District Prog	rss Summary On 09-09-2021 17:31:22 & Empanelled Agency : ALL & Solution : ALL & Result Type : No. Of Application
3.0			
23			
2.0			
13			
1.0			
4.5			
6			

Figure 107 DISTRICT PROGRESS SUMMARY – CHART VIEW

## > SOLUTION WISE PROGRESS SUMMARY

- Solution wise Progress Summary to show PM-KUSUM scheme progress statistics with respect to pump.
- The filter options provided to the users are :
- Select Empanelled Agency
- Select District
- Select Pump Capacity
- Select pump type
- Select pump sub type
- Select pump category
- Select sanction
- Select status

#### • Tabular View

Yearly P	rogress Summary	District Pro	gress Summary	Solution Wise Progra	ess Summary Empar	nelled Agency Progre	ss Summary	Installer-wise List of Be	neficiaries			
Select E	mpanelled Agency		Select District		Select Pump Capaci	ty.	Select Pump	Туре	Select	Pump Sub type		Select Pump Category
ALL	ALL 👻 ALL		ALL		ALL	÷	ALL	v	ALL		v	ALL
Result Type Select Sanction			Select Status					_				
No. Of A	pplication	~	ALL	×	Authentication 😣	Site Survey Done	8 Farmer (	Contribution Received		GO		Tabular Chart
					Notice to Proceed to	o EA 😣 🛛 Installati	on Reported by	EA 😣				
Last Upda	ted Time: 19-07-202	3 16:06:19	*Uncategorize	d Records are Calculat	ed As Per WaterFilled Pu	mp Category.						
CSV	Excel							Se	arch:			
Sr No.	Capacity (HP)	🗘 Type 🗧	Sub Type 🔅	Category 🗘	Authentication 💲	Site Survey Don	e \$ Fa	armer Contribution Recei	ed 🔅	Notice to Proceed to EA	۵ ا	Installation Reported by EA
1	3	AC	Surface		29	2	9		29	2	9	0
2	5	AC	Surface		412	41	2		412	41	2	63
3	7.5	AC	Surface		894	88	4		894	89	4	66
4	10	AC	Surface		8		8		8		8	3
5	3	DC	Surface		97		7		97	9	7	5
6	5	DC	Surface		81	1	1		81	8	H	6
7	7.5	DC	Surface		30		0		30	3	0	2
8	10	DC	Surface		0		0		0		0	0



Chart View





## EMPANELLED AGENCY PROGRESS SUMMARY

- Empanelled Agency Progress Summary to show PM-KUSUM scheme progress statistics with respect to Empanelled Agency.
- The filter options provided to the users are
- Select District
- Select Pump Capacity
- Result type
- Select sanction

Yearly Prog	gress Summary District Progress Summary Solution Wise Prog	gress Summary Empan	elled Agency Progress Summa	Installer-wise List of Beneficiaries		
Select Di	istrict Select Capacity	Result Type	Select S	anction		
ALL	<ul> <li>ALL Capacity</li> </ul>	No. Of Application	ALL	~		
Select St	tatus					
Authent	tication Site Survey Done Farmer Contribution Receive	d 🙁 Notice to Proceed	to EA 🙁 Installation Reporte	GO GO	Tabular Chart	
Last Upda	ted Time: 19-07-2023 16:06:19					
CSV	Excel			Search:	Sh	ow 15 🗸 entries
Sr No. 🔺	Empanelled Agency	Authentication 💠	Site Survey Done 🗘	Farmer Contribution Received 💠	Notice to Proceed to EA 💲	Installation Reported by EA
1	M/s Alectrona Energy	38	38	38	38	0
2	M/s Rajasthan Electronics and Instruments Ltd	368	368	368	368	0
3	M/s Tata Power Solar Systems Ltd	17774	17774	17774	17774	3063
4	M/s Gautam Solar Pvt Ltd	374	374	374	374	316
5	M/s Shakti Pumps (I) Ltd	20501	20558	20502	20558	10262
6	M/s Solex Energy Ltd	179	179	179	179	0
7	M/s Rotomag Motor and Controllers Pvt. Ltd	12508	12508	12508	12508	4303

Figure 110 tabular view Empanelled agency wise

• chart View

## **16.1 Chart view Empanelled Agency Wise**



Figure 111 Chart view Empanelled agency wise

## 16.2 Installer wise list of beneficieries

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

Select Empanelled Agency Sanction Select

Yearly	Progress Summar	y District Prog	ress Summary	Solution Wise	Progress Sur	nmary Empa	nelled Agency Prog	ress Summary	Installer-wise	e List of Benefi	ciaries					
Select	Empanelled Agenc	a,	Select Sanction													
ALL		¥	2019-2020 (Sand	ction 1)		*	2019/01/01 - 2	2023/07/19	GD							
CSV	Excel									Sea	irch				Show / hide c	olumns
No.	Application No.	Empanelled Agency	Name of Beneficiary	) Gender ()	Category 🗘	Mobile Number ≎	Aadhar Authentication 🗘 Status	Village of installation <sup>V</sup>	District of installation	Latitude 🗘	Longitude 🗘	Required Pump	Pump Sub Type	Pump Capacity () (HP)	SPV Modules Capacity in kWp	Pump Make
1	180117145258	M/s Rotomag Motor and Controllers Pvt. Ltd	Kesaram	<u>Naie</u>	Farmer	9024545242	YES	Other	JAISALMER	27.3476761	71.1182151	DC	Submersible	5	48	Rotorr Moto and Contro Priva Limite
2	180104980522	M/s Rotomag Motor and Controllers Pvt. Ltd	landslide	Male	Farmer	9828998955	YES	Other	JAISALMER	27.3118371	71.1162251	AC	Submersible	75	6.75	Rotom Moto and Conth Priva Limite
3	210350683239	M/s Tata Double Solar	SANTOSH	Male	Farmer	9987573067	YES		BIKANER	28.6020491	72.5321261	DC	Submersible	3	3	CSW.

Figure 112 tabular view Installer wise

# **16.3 Chart View Installer wise**



16.3.1.1 **Chart View** 

Figure 113 chart view Installer wise

# 17 SIGN OUT

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

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

	<b>А</b> номе	2 Consumer	Scheme Progress	Live Monitoring	Setting	C Device Registration	C User Role	
Individual Asset & IME	I Mapping							A Change password
IMEI No:				Solar Plant	No			 Logout Sign Out



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





Figure 116 SIGN OUT

# **18 SUPPORT TEAM CONTACT DETAILS**

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

# **ANNEXURE-I (IMEI NUMBER REGISTRATION)**

## **IMEI NUMBER REGISTRATION**

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

eme Progress	Asset	Live Monitoring	Performance Analysis	Device Re	gistration
	± De	waload IMEI CSV F	ile Host / UR	e: 4	



- IMEI no. can be registered in two ways :
  - Bulk Registration of IMEI nos. by uploading CSV file.
  - Registration of single IMEI no.
- Bulk Registration of IMEI nos. by Uploading CSV file :
- To upload the CSV file for bulk registration of IMEI nos., EA user can download the format of CSV file by clicking on the "Download IMEI CSV File" blue button from the Device Registration dashboard. (highlighted in red in below Figure 127)

L Download IMEI CSV File	Host / URL :	+	Uplo

### Figure 118 IMEI BULK UPLOAD

×∎	🔒 🍤 - 👌	÷				IME	ISampleForr	nat - Excel (P	roduct Activ	ation Faile	d)
E	ILE HOME	INSERT F	PAGE LAYOUT	FORMULAS	DATA	REVIEW	VIEW	DEVELOPER	ADD-I	NS TE	AM
Pas	Calibri Ste	- 1 <u>U</u> -	1 ▼ A A	= = =   *	· -   ₽ v = ==   ⊡ N	Vrap Text Nerge & Cen	ter - \$	mber - %		conditional prmatting ▼	Format as Table → St
Clip	board 🕞	Font	E I		Alignment		E I	Number	E I		Styles
A1	L •	×	<i>f</i> ∞ imei								
	А	В	C D	E	F	G	н	I	J	К	L
1	imei		HEAD	ING							
2	861551043913904	•									
3	86155104391281										
4	861551043913581										
6	861551043973569	)									
7											
8											
9											
10											
11											
12											
13					1						

#### Figure 119 IMEI NO. CSV FORMAT

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

+ Upload Device Registration		×
Device Registration Information		
File input	Solution *	Empanelled Agency*
Choose File No file chosen	Standalone Solar Pump 🛛 🗸	Premier Solar System Pvt Ltd 🗸
		Cancel 🖬 Upload
	Figure 120 UPLOAD IMEI NO. CSV	,

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

## > Registration of single IMEI no.

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



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

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

Figure 122 ADD DEVICE REGISTRATION

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

### Disclaimer

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