



नवीन एवं  
नवीकरणीय ऊर्जा मंत्रालय  
MINISTRY OF  
NEW AND  
RENEWABLE ENERGY

सत्यमेव जयते



**NATIONAL PORTAL FOR  
ROOFTOP SOLAR**

**NIC** एनआईसी  
National  
Informatics  
Centre

# National Portal for Rooftop Solar

Gujarat Conclave  
16<sup>th</sup> & 17<sup>th</sup> December'2023

# National Portal for Rooftop Solar: Overview



The National Portal has been developed to facilitate the installation of residential grid connected rooftop solar plants. It was launched on 30<sup>th</sup> July 2022 by the Hon'ble Prime Minister Sh. Narendra Modi. Portal allows beneficiaries for registration followed by submitting application for installation. As of now, it encompasses three schemes: Phase I, Phase II and Simplified Procedure.

## **Objectives of the portal:**

- ✓ Facilitate the ongoing scheme to achieve 40GW of RTS installation by 2026
- ✓ To act as a single source to register and apply for Residential Solar Rooftop Installation
- ✓ Ease the end-to-end process from application submission to CFA release(directly to beneficiary)
- ✓ Provide flexibility to consumer to select empanelled vendor of his choice
- ✓ Simplify the application edit request and rollback process to make necessary changes
- ✓ Provide flexibility to Discoms to transfer the application to respective circle, division and sub-division

# Salient Features of the Portal

**Single source for facilitation of RTS installations**

**Ease of sharing information and processing application**

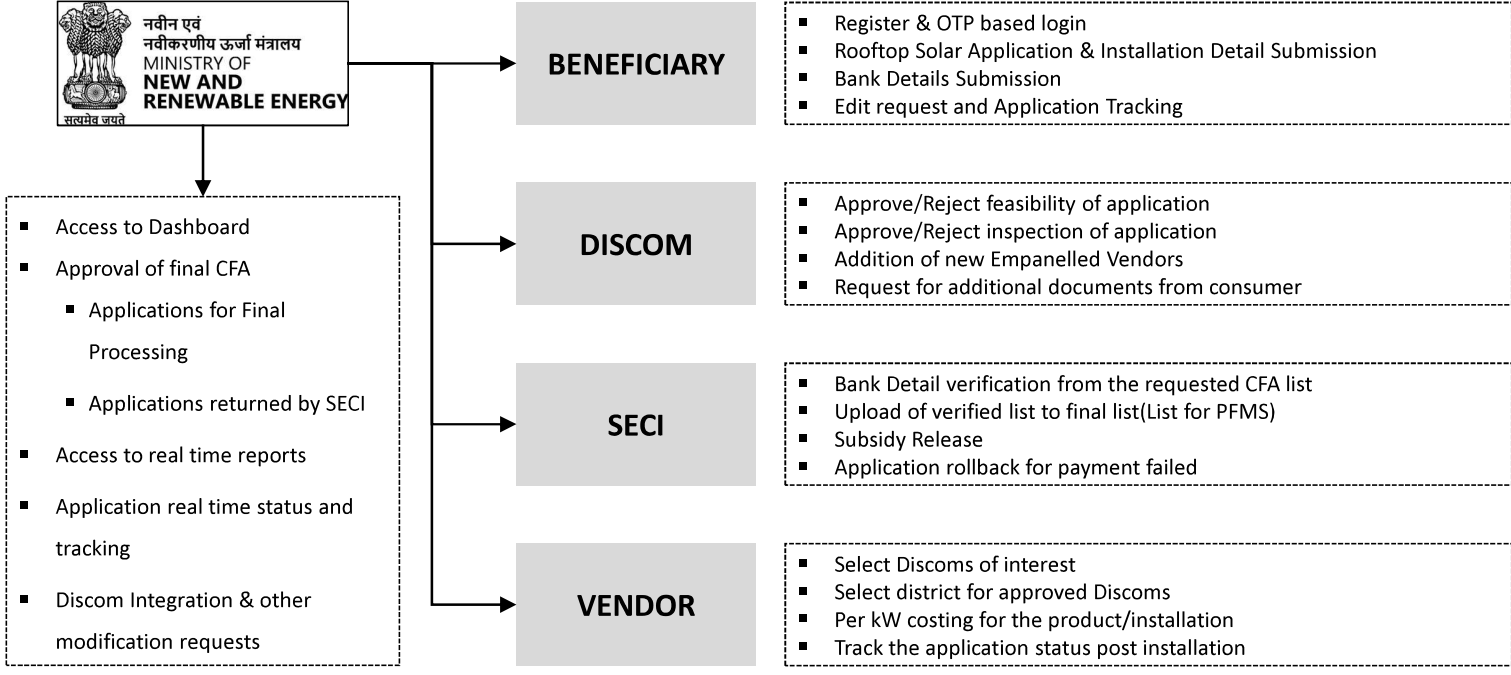
**Time Saving for all stakeholders by using API Integrations(Single Infrastructure)**

**Enhanced flexibility and choice to the consumer for RTS installation**

**Smooth tracking and monitoring of applications**

**Notification mechanism to provide real time updates**

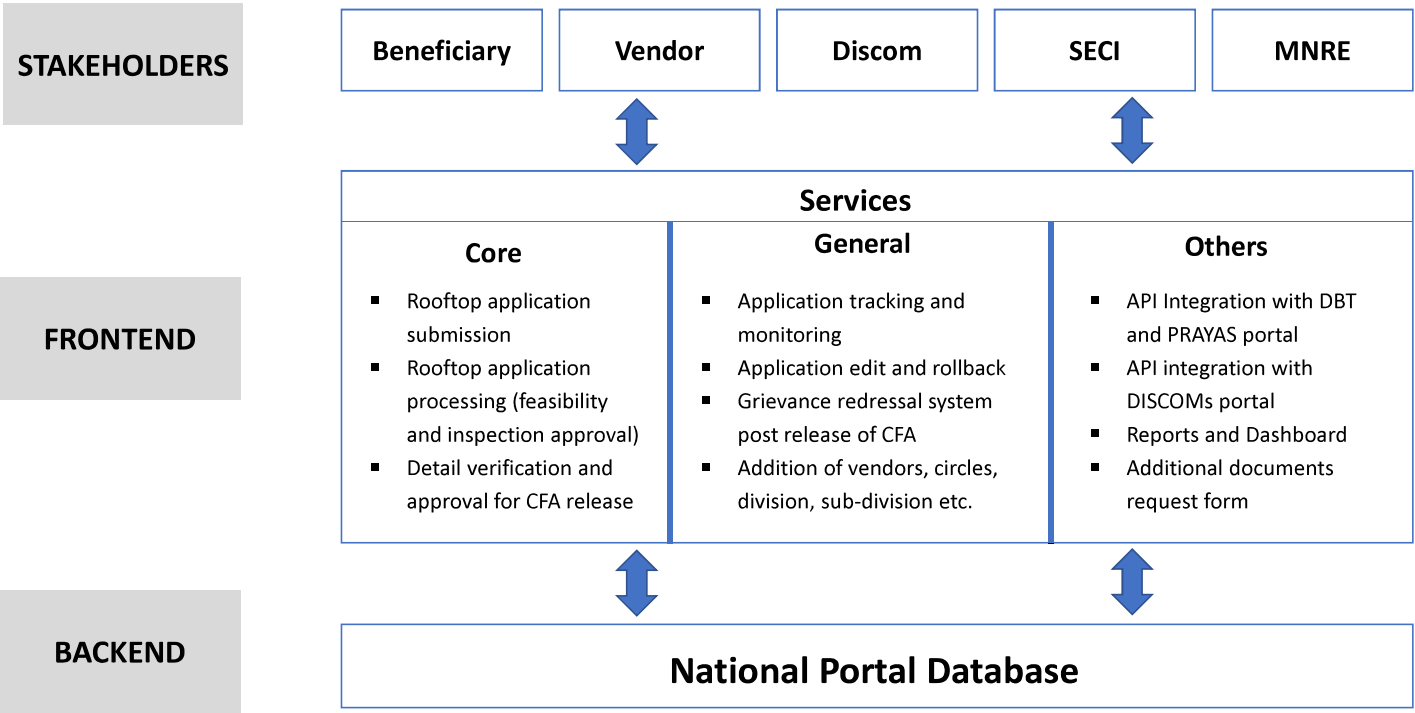
# Stakeholder Mapping



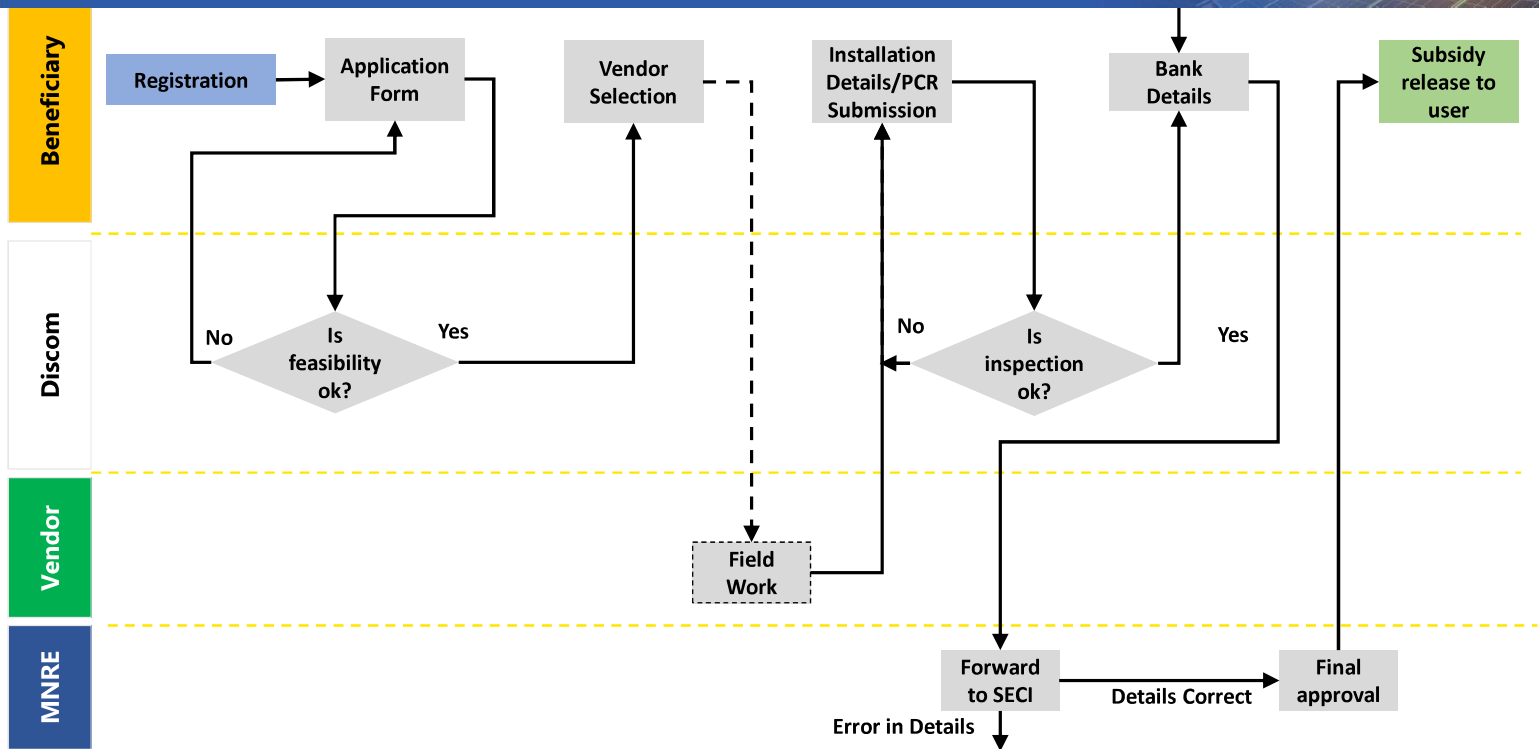
# Benefits to Stakeholders

Beneficiary	Vendor	DISCOM	SECI	MNRE
<ul style="list-style-type: none"><li>▪ OTP based quick register and login process</li><li>▪ Simplified procedure to submit rooftop application</li><li>▪ Easy tracking and editing of application</li></ul>	<ul style="list-style-type: none"><li>▪ Flexibility to add rates(per kW) for installation of Solar Panels</li><li>▪ Option to choose respective districts for rooftop installations</li></ul>	<ul style="list-style-type: none"><li>▪ Quick feasibility approval &amp; assign sub-office</li><li>▪ Ease of inspection approval</li><li>▪ Master module for Nodal Users, Circle, Feeder and Sub-Division details</li></ul>	<ul style="list-style-type: none"><li>▪ Bulk upload of verified final CFA list to PFMS</li><li>▪ Interface to verify &amp; approve bank details for subsidy</li><li>▪ Quick rollback of application for "Payment Failed"</li></ul>	<ul style="list-style-type: none"><li>▪ Multiple reports, charts and dashboard for real time data</li><li>▪ Tracking of application's latest status</li><li>▪ Monitoring the overall movement of applications</li></ul>

# Architectural Overview



# National Portal: Existing Application Flow



# Functionalities on the portal for Discoms

## Current functionalities –

- Access to Dashboard
- Status update reports and data points
- Take actions on submitted applications (Feasibility check)
- Complete feasibility approval
- Inspection of approved applications
  - Assign to circle/division/sub-division
  - Complete on own
- Send alerts to respective Division/Nodal
- Add/edit/delete from existing vendor list
- Add/edit/delete from existing circles/divisions/sub-divisions list

## Upcoming functionalities –

- Automated month wise performance reports to respective Discoms
- Provision in the accounts of implementing agencies to view the status/pendency etc. in the respective circle/division
- Pending list of consumers for Bank details submission
- Option to download Dashboard KPIs in pdf format
- Provision to view Submission and Resubmission date at DISCOM account in Feasibility Check & Inspection Check
- Edit request module for MSR report
- Grievance redressal system at every stage of application



# Discoms' Integration on the National Portal

The National Portal provides option to Discoms to integrate their respective portal. This enables them with the ease of application processing and seamless data exchange. As of now, 12 Discoms have integrated with the National Portal while [integration](#) of 15 Discoms is under process.

## **Benefits of Integration:**

- ✓ Lesser turn around time for application processing
- ✓ Single registration for consumer
- ✓ Minimal chances of data duplicity
- ✓ Quick monitoring and tracking of applications
- ✓ Error free feasibility & inspection approval
- ✓ Easy identification and verification of consumers

## **Steps for Integration:**

1. Raise request by writing to [itsupport-mnre@nic.in](mailto:itsupport-mnre@nic.in)
2. Technical documentation, testing token and key file to be shared by IT team
3. Post completion of testing, Discom to request for live token and key file for accessing real time data and their IP address for whitelisting
4. If Discom wants the consumer to fill any additional document, then the same can be mentioned via Integration form on National Portal

# Output Reports

## MNRE

Dashboard

Overall Status

State wise Status

CFA Released List

Status of Application with  
different stage

## DISCOM

Dashboard

Feasibility Approved List

Inspection Approved List

CFA Requested List

CFA Released List

## SECI

Requested CFA List

Verified final list for CFA

CFA Released List

# Walkthrough of the National Portal for Discoms

A decorative banner at the top of the page features a blue background on the left and a photograph of solar panels on the right, extending from the center towards the right edge.

<https://solarrooftop.gov.in/>

## State wise consolidate view – Feasibility(as on 08.12)

Row Labels	Applications Submitted	Proposed Capacity (KW)	Feasibility Approvals	Feasibility Approved Capacity (KW)	Feasibility Pending	Feasibility Pending Capacity (KW)
MAHARASHTRA	52826	285615.9	29313	141708.8	21505	123463.8
UTTAR PRADESH	19877	95318.51	17988	79219.44	245	2339.43
KERALA	20333	92774.04	17850	80832.75	2416	11439.57
MADHYA PRADESH	7301	37677.44	6868	31784.29	135	576.18
RAJASTHAN	5846	42347.22	4390	31616.25	384	3149.06
UTTARAKHAND	4078	20277.44	3598	16474.84	390	2271.1
PUNJAB	3131	21434.24	2257	15471.43	640	4932.04
HARYANA	4258	29489.96	2203	14615.32	1635	10649.93
BIHAR	2988	18187.78	1950	6207.95	680	5859.73
GUJARAT	3191	18245.87	1942	8655.59	888	5120.04
TAMIL NADU	2389	15547.51	1554	3403.25	607	7585.32
KARNATAKA	2298	12889.08	1137	4479.59	1027	6383.65
ANDHRA PRADESH	759	6268.92	543	1144.23	82	513.82
NCT OF DELHI	641	4079.55	487	3238.58	95	482.53
ASSAM	8444	321023	262	922.33	1914	64270.15
CHHATTISGARH	484	6100.71	210	1174.9	59	385.56
PUDUCHERRY	163	715.31	144	619.23	11	54.58
TRIPURA	138	1622.4	95	175.7	12	81
ORISSA	475	3208.93	90	341.5	213	2114.1
GOA	134	995.44	81	612.36	40	314.67
TELANGANA	83	1022.02	43	598.02	37	317
CHANDIGARH	45	264.26	29	181.14	12	60.12
LAKSHADWEEP	11	49	10	18	1	2
THE DADRA AND NAGAR HAVELI & DAMAN & DIU	11	38.5	10	35	1	3.5
JHARKHAND	720	6061.72	9	52.27	683	5896.95
LADAKH	9	30	7	25	2	5
MANIPUR	106	1685.9	6	22	100	1663.9
ANDAMAN and NICOBAR	4	521	2	11	0	0
MIZORAM	8	55.7	2	4	6	51.7
ARUNACHAL PRADESH	12	592	0	0	12	592
HIMACHAL PRADESH	131	723.34	0	0	131	723.34
MEGHALAYA	52	527	0	0	52	527
NAGALAND	10	546	0	0	10	546
SIKKIM	9	847.1	0	0	7	841.1
WEST BENGAL	2161	24130.27	0	0	2161	24130.27
<b>Grand Total</b>	<b>143126</b>	<b>1070913</b>	<b>93080</b>	<b>443644.7</b>	<b>36193</b>	<b>287346.1</b>

## State wise consolidate view – Inspection(as on 08.12)

Row Labels	Installations Submitted	Installed Capacity (KW)	Inspection Approved	Inspection Approved Capacity (KW)	Inspection Pending	Inspection Pending Capacity (KW)
MAHARASHTRA	21532	98468.22	19726	89930.33	1796	8491.48
KERALA	14711	64061.53	13750	59971.03	959	4084.2
UTTAR PRADESH	9620	46253.82	9101	43849.86	396	1818.9
MADHYA PRADESH	4146	18941.16	3979	18180.14	164	750.28
RAJASTHAN	2209	16093.24	2040	14949.81	163	1095.71
PUNJAB	1843	12383.07	1482	9924.67	360	2452.4
UTTARAKHAND	1507	6559.51	1348	5887.79	157	663.7
HARYANA	1484	9327.02	1289	7975.45	191	1325.94
TAMIL NADU	785	3306.85	667	2794.13	109	484.02
KARNATAKA	715	3069.21	627	2579.45	88	489.76
NCT OF DELHI	258	1631.26	210	1367.49	45	253.06
ANDHRA PRADESH	362	1632.2	170	722.19	190	903.77
BIHAR	100	481.13	85	419.27	15	61.86
PUDUCHERRY	70	303.71	67	291.93	3	11.78
GUJARAT	224	1023.5	61	258.66	156	729.45
ORISSA	46	184.42	45	179.42	1	5
GOA	49	341.35	44	312.46	5	28.89
CHHATTISGARH	59	372.8	23	141.61	36	231.19
ASSAM	16	74.21	15	70.21	1	4
TRIPURA	8	24.9	8	24.9	0	0
CHANDIGARH	12	77.32	1	5	11	72.32
MIZORAM	1	2	1	2	0	0
ANDAMAN and NICOBAR ISLANDS	1	9.72	0	0	1	9.72
ARUNACHAL PRADESH	0	0	0	0	0	0
HIMACHAL PRADESH	0	0	0	0	0	0
JHARKHAND	1	7.95	0	0	1	7.95
LADAKH	0	0	0	0	0	0
LAKSHADWEEP	0	0	0	0	0	0
MANIPUR	0	0	0	0	0	0
MEGHALAYA	0	0	0	0	0	0
NAGALAND	0	0	0	0	0	0
SIKKIM	0	0	0	0	0	0
TELANGANA	16	84.68	0	0	16	84.68
THE DADRA AND NAGAR HAVELI AND DAMAN AND DIU	0	0	0	0	0	0
WEST BENGAL	0	0	0	0	0	0
<b>Grand Total</b>	<b>59775</b>	<b>284714.8</b>	<b>54739</b>	<b>259837.8</b>	<b>4864</b>	<b>24060.06</b>

Thank You

