

GOVERNMENT OF UTTAR PRADESH

Uttar Pradesh Rooftop Solar Photovoltaic Power Plants Policy, 2014

Sl. No.	Description	Summary												
1.	Title	Uttar Pradesh Rooftop Solar Photovoltaic Power Plants Policy, 2014												
2.	Operative Period	<ul style="list-style-type: none"> • To come into effect from the date of issuance and shall remain valid until superseded or modified till March 2017 whichever is earlier. • Rooftop solar photovoltaic power plants installed & commissioned during the operative period shall become eligible for the incentives declared under this policy 												
3.	Objectives	<ul style="list-style-type: none"> • To contribute to solar capacity addition and energy security • To optimally utilize the available solar energy resource in the State • To encourage development and promotion of environment benign solar energy generation contributing to sustainable development • To enable stakeholders in reducing greenhouse gas emissions • To attract private sector participation in solar energy sector • To build favorable environment for setting up grid connected rooftop solar PV plants • To contribute investments in manufacturing, research & development in solar energy sector • To enhance skills and create employment opportunities • To contribute to productive utilization of available sites • To spread environmental awareness amongst the general public of Uttar Pradesh 												
4.	Implementation Plan	<ul style="list-style-type: none"> • State to encourage implementation of the grid connected rooftop solar photovoltaic power plants for captive or self-consumption on net energy metering/net energy billing mechanism. • Rooftop Solar Photovoltaic Power Plants are proposed to be promoted under Net energy metering mechanism upto 50 KW and Net energy billing mechanism above 50 kW <ul style="list-style-type: none"> - Government to promote deployment of grid connected plants on the offices of the government organisations/State government owned / aided institutions to generate & consume some percentage of their annual electricity consumption from such plant. - Plants to utilize at least 25% of the available plinth area. - Funds from the Government may be made available for implementation of Grid connected Rooftop Solar PV Plant - Government to encourage the private institutions to implement Rooftop Solar PV Plant on the roof of their premises/area, generate & consume the electricity for their self-consumption 												
5.	Eligible Entities	<ul style="list-style-type: none"> • Any person, which shall include any company or body corporate or association or body of individuals, whether incorporated or not, shall be eligible to set up rooftop solar PV plant for the purpose of captive use/self-consumption of electricity • They may approach Uttar Pradesh New and Renewable Energy Development Agency for implementation of such power plants. • Plants to comply with the technical standards and specifications, if any, specified by the Central/State Government or through its nominated nodal agency 												
6.	Targets	<p>To achieve the objectives of the policy, the Govt. aim at implementing grid connected rooftop solar photovoltaic power plants during the operative period as under:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Description</th> <th style="text-align: center;">Unit</th> <th style="text-align: center;">by FY 2016-17</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Public Institutions</td> <td style="text-align: center;">MW</td> <td style="text-align: center;">10.0</td> </tr> <tr> <td style="text-align: center;">Private Institutions</td> <td style="text-align: center;">MW</td> <td style="text-align: center;">10.0</td> </tr> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">MW</td> <td style="text-align: center;">20.0</td> </tr> </tbody> </table> <p>Govt. may review the target from time to time</p>	Description	Unit	by FY 2016-17	Public Institutions	MW	10.0	Private Institutions	MW	10.0	Total	MW	20.0
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7.	Nodal Agency	Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA)										
8.	Subsidy	Nodal Agency to facilitate in availing Government of India subsidy, if available for implementation of such plants, to both Public and Private Institutions / organisations										
9.	Role of Nodal Agency	<ul style="list-style-type: none"> • To formulate scheme for facilitating implementation of rooftop solar photovoltaic power plants and facilitate eligible entities in implementing the plants and undertake following activities <ul style="list-style-type: none"> - To facilitate in availing Subsidy/Support - To empanel system integrator(s) for the implementation of target capacity identified under this policy - Identify Sites for Deployment of Solar Power Capacities at nominal fee for extending its services - Allotment of the Solar Power Capacities for implementation by system integrator(s) by organizing city-wise competitive bidding - To support the distribution licensee in developing the protocols and procedures for metering, grid connectivity, and power purchase agreements etc. for easy adoption of solar power plants by the stakeholders. - To recommend and specify fee and charges - Declaration of Government order to encourage deployment of rooftop solar photovoltaic power plant capacities. - To approach UPERC for announcement of appropriate regulatory framework for large scale deployment and adoption of rooftop solar PV power plants - To obtain approval from Empowered Committee for implementation of policy guidelines and for carrying out bidding. 										
10.	Metering Arrangement	<ul style="list-style-type: none"> • For grid connected plants at/above 415 V voltage level-Type of meters and metering arrangement to be governed by Central Electricity Authority(CEA)-(Installation and Operation of Meters) Regulations, 2006 and CEA (Installation and Operation of Meters) Amendment Regulations, 2010 unless superseded . • Plants with proposed connectivity at 415 V or below-Type of meters and metering arrangement to be governed by CEA (Installation and Operation of Meters) Amendment, Regulations, 2013 after notification by the CEA. 										
11.	Evacuation Voltage	<table border="1"> <thead> <tr> <th>Capacity of the System</th> <th>Evacuation Voltage</th> </tr> </thead> <tbody> <tr> <td>Below 5 kW</td> <td>Single Phase, Low Voltage</td> </tr> <tr> <td>> 5 kW – 50 kW</td> <td>Three Phase, 415 V</td> </tr> <tr> <td>> 50 kW – 2.0 MW</td> <td>6.6 kV/11 kV</td> </tr> <tr> <td>> 2.0 MW – 5.0 MW</td> <td>11 kV/33 kV/66 kV (as per site conditions)</td> </tr> </tbody> </table>	Capacity of the System	Evacuation Voltage	Below 5 kW	Single Phase, Low Voltage	> 5 kW – 50 kW	Three Phase, 415 V	> 50 kW – 2.0 MW	6.6 kV/11 kV	> 2.0 MW – 5.0 MW	11 kV/33 kV/66 kV (as per site conditions)
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12.	Grid Connectivity	As per Uttar Pradesh Electricity Regulatory Commission										
13.	Financial Arrangements	Funds to be provided by State Government for carrying out detailed technical assessment and deployment of solar rooftop PV power plants on Government owned and aided organization's of the State on annual basis										
14.	Empowered Committee and Functions	<p>An empowered committee to be constituted under the chairmanship of the Chief Secretary of the State to oversee, monitor and resolve various issues arising out of this policy with following functions:</p> <ul style="list-style-type: none"> • To resolve key bottlenecks in implementation of grid connected rooftop Solar PV Power Plants. • To grant permission for bidding for selection and empanelment of System Integrators for deployment of rooftop solar power plants. • Issues regarding facilitation of framework for interconnection with the grid. • Resolve any other Inter departmental issues that may arise from time to time. 										