Renewable Energy

Endless Possibilities and 11,362 MW of untapped Hydropower Potential
India Overview

Key Highlights

3rd Largest producer and consumer of electricity

175 India’s target capacity of Renewable Energy by 2022

4th in wind-power installed capacity

6th in solar power installed capacity

Energy Share India

22% Renewable Energy

63% Thermal Energy

13% Hydro Energy (Renewable)

2% Nuclear Energy

Other Highlights

- 100% FDI permitted under automatic route
- Govt. plans to establish 1 Lakh MW Solar and 60 Thousand MW wind generation capacity by 2022
J&K Overview

Hydro Energy

14,867 MW
Hydro Energy Potential in J&K

23%
Hydro Energy Harnessed

Wind Energy

5,311 MW
Wind Energy Potential in J&K @ 50m

Wind Energy Potential in J&K @ 50m

<table>
<thead>
<tr>
<th>District</th>
<th>Potential</th>
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<tbody>
<tr>
<td>Udhampur</td>
<td>5000</td>
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<tr>
<td>Anantnag</td>
<td>5000</td>
</tr>
<tr>
<td>Baramulla</td>
<td>5000</td>
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<tr>
<td>Kupwara</td>
<td>5000</td>
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Solar Energy

Global Horizontal Irradiance (GHI) in Jammu & Kashmir varies from 4.97 - 5.17 kWh/m2/day
Notable J&K Solar Policy Support

Stamp Duty Exemption
100% exemption from stamp duty for setting up of solar power plants

Exemption of Electricity Duty
100% exemption from electricity duty

Exemption from Pollution Control Board

Wheeling & Evacuation
Transmission to be done through the T&D network of UT’s TU/Discoms

The electricity units generated from solar power plant shall be evacuated by giving “Priority of Dispatch”
Notable J&K Hydro Policy Support

Open Access
Exemption of open access charges for sale of power to J&K

No water usage charge*
Exemption from water usage charge for projects upto 25 MW

Banking
Banking of energy for 2 months

Approvals/ Clearances
All necessary clearances/ approvals to be provided by nodal agency for projects upto 25 MW.
Investment Opportunities

Pampore Solar Power Plant
District: Pulwama
Generation Capacity: 10 MW

Kawa Solar Power Plant
District: Udhampur
Generation Capacity: 3 MW

Kalakote Solar Power Plant
District: Rajouri
Generation Capacity: 7-8 MW

Ahlan-II Hydroelectric Project
District: Anantnag
Generation Capacity: 9 MW

Sukhnag Hydroelectric Project
District: Budgam
Generation Capacity: 10 MW

Damhal Hanjlpura Hydroelectric Project
District: Kulgam
Generation Capacity: 9 MW

Betar Hydroelectric Project
District: Poonch
Generation Capacity: 10 MW
Stakeholders

Government Departments

Department of Industries
Power Development Department
Jammu & Kashmir Power Development Corporation
Jammu & Kashmir Energy Development Agency
Mr. Ravinder Kumar, IAS  
Managing Director, JKTPO  
Jawaharlal Nehru Udyog Bhawan,  
Railhead Complex, Jammu.  
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