

# Renewable Energy

**Endless Possibilities and  
11,362 MW of untapped  
Hydropower Potential**



# India Overview

## Key Highlights

**3<sup>rd</sup>** Largest producer and consumer of electricity

**4<sup>th</sup>** in wind-power installed capacity

**175** India's target capacity of Renewable Energy by 2022

**6<sup>th</sup>** 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

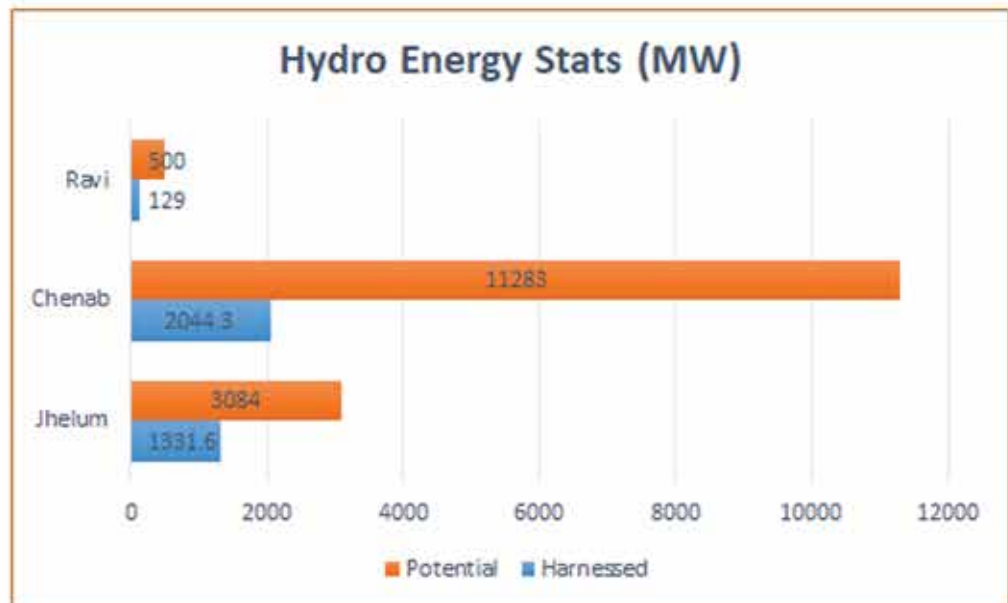
## Hydro Energy

**14,867 MW**

Hydro Energy  
Potential in J&K

**23%**

Hydro Energy  
Harnesses



## Wind Energy

**5,311 MW**

Wind Energy Potential  
in J&K @ 50m

Wind Energy Potential  
in J&K @ 50m

District	Potential
Udhampur	5000
Anantnag	5000
Baramulla	5000
Kupwara	5000

## Solar Energy

Global Horizontal Irradiance (GHI) in  
Jammu & Kashmir varies from  
**4.97 – 5.17 kWh/m<sup>2</sup>/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



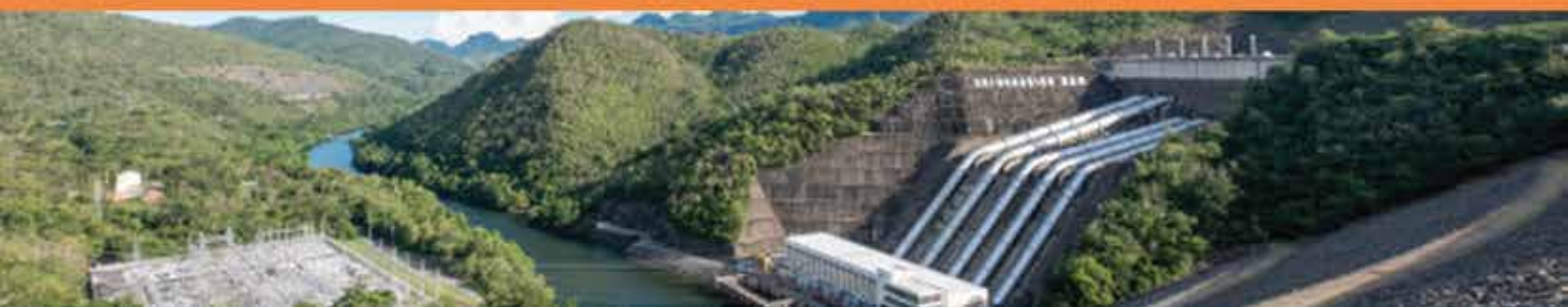
**Sukhnag Hydroelectric Project**  
District: Budgam  
Generation Capacity: 10 MW



**Damhal Hanjipora 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



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