

# JHARKHAND POWER POLICY, 2023 (Draft)

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## LIST OF ABBREVIATIONS

AC	Alternating Current
ACC	Advanced Chemistry Cell
ACS	Aggregate Cost of Supply
ADMS	Advanced Distribution Management System
AMR	Automatic Meter Reading
ARR	Aggregate Revenue Requirement
BEE	Bureau of Energy Efficiency
CAGR	Compound Annual Growth Rate
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CKm	Circuit Kilometer
CNA	Central Nodal Agency
CPP	Captive Power Plant
DEEP	Discovery of Efficient Electricity Price Portal
Discoms	Distribution Companies
DSM	Demand Side Management
DVC	Damodar Valley Corporation
EM	Electro-Mechanical
EV	Electric Vehicle
FAME	Faster Adoption and Manufacturing of Hybrid & Electric Vehicles
FY	Financial Year
GDP	Gross Domestic Product
GIS	Geographic Information System
GSS	Grid Sub-station
GW	Gigawatt
HEP	Hydroelectric Power Plant
HT	High Tension
HVDC	High Voltage Direct Current
Hz	Hertz
IPTC	Independent Power Transmission Company
ISTS	Inter-State Transmission System
IT-ITES	IT & IT Enabled Services
JBVNL	Jharkhand Bijli Vitran Nigam Limited
JREDA	Jharkhand Renewable Energy Development Agency
JSERC	Jharkhand State Electricity Regulatory Commission
JUSNL	Jharkhand Urja Vikas Nigam Limited
JUUNL	Jharkhand Urja Utpadan Limited
JV	Joint Venture
KV	Kilovolt
MMT	Million Metric Tonne
MOEFCC	Ministry of Environment, Forest and Climate Change
MOP	Ministry of Power
MVA	Mega Volt Ampere

MW	Megawatt
MYT	Multi- Year Tariff
NDC	Nationally Determined Contributions
NEMMP	National Electric Mobility Mission Plan
NEP	National Electricity Policy
NHPC	National Hydroelectric Power Corporation
NTPC	National Thermal Power Corporation
PAT	Perform, Achieve, Trade
PLF	Plant Load Factor
PPP	Public Private Partnership
PVUNL	Patratu Vidyut Utpadan Nigam Limited
R&M	Renovation & Modernization
R&R	Resettlement & Rehabilitation
SAS	Substation Automation System
SCADA	Supervisory Control and Data Acquisition
SLDC	State Load Dispatch Centre
STPP	Super Thermal Power Plant
ToD	Time of Day
ToD	Time of the Day
TPS	Thermal Power Station
VGf	Viability Gap Funding

## 1. INTRODUCTION

- 1.1. Section 3(1) of the Electricity Act, 2003 requires the Central Government to formulate, inter alia, the National Electricity Policy (NEP) in consultation with the Central Electricity Authority (CEA) and the State Governments. This provision is quoted below:

"The Central Government shall, from time to time, prepare the National Electricity Policy and tariff policy, in consultation with the State Governments and the Authority for development of the power system based on optimal utilization of resources such as coal, natural gas, nuclear substances or material, hydro and renewable sources of energy"
- 1.2. Section 3 (4) of the Electricity Act, 2003 requires the Central Electricity Authority to frame a National Electricity Plan once in five years and revise the same from time to time, in accordance with the National Electricity Policy. According to Section 3(5) of the Electricity Act, the Authority may review or revise the National Electricity Plan in accordance with the National Electricity Policy.
- 1.3. Also, Section 73(a) of the Electricity Act, 2003 provides that CEA shall formulate short-term and perspective plans for development of electricity system and coordinate the activities of various planning agencies for optimal utilization of resources, keeping in view the interests of the national economy and to provide reliable and affordable electricity to all consumers.
- 1.4. One of the primary components for preparation of the National Electricity Plan is the estimation of power demand in the years to come, which is done in Central Electricity Authority (CEA) periodically every five years by way of 'Electric Power Survey'. The exercise of Electric Power Survey needs to be carried out in consultation with the State Governments and other state utilities. Increasing thrust of Government of India on improving efficiency, deployment of electric vehicles, adoption of newer technologies like storage etc. are likely to affect the electricity demand in future; therefore, CEA should carry out mid-term review of the Electric Power Survey and may make appropriate modifications in the projected demand, if required and accordingly also revise the National Electricity Plan.
- 1.5. In line with the provision of the Electricity Act, 2003 the State Government of Jharkhand feels it is imperative to have a guiding document for the State to fulfill its objectives Specific to the Power Sector. In cognizance to these a State Level Power Policy in alignment with the National Electricity Policy has been prepared.
- 1.6. The Jharkhand Electricity Policy was first notified in 2012. Section 3 (3) of the Electricity Act enables the Central Government to review or revise the National Electricity Policy from time to time. Accordingly, the State Government of Jharkhand also revises its State level Power Policy from time to time as per requirements and necessities.
- 1.7. In exercise of the powers conferred under this Section, the State Government of Jharkhand hereby notifies the revised Jharkhand Power Policy 2023.