

## GLOSSARY & ABBREVIATIONS

### Containing Definitions, Expansion of Abbreviations in CERC/SERCs

AAD	Advance Against Depreciation
ABT	Availability Based Tariff
Act/EA	Electricity Act 2003 (ea 2003)
ACF	Auxiliary Consumption Factor
AFC	Annual Fixed Charge/ Annual Fixed Cost
Area of Supply	The Area within which a Distribution licensee is authorized to supply Electricity
ALDC	Area Load Dispatch Centre
ATE / AT	Appellate Tribunal for Electricity
Appropriate Commission	Means Central Regulatory Commission as per sub-section (I) of section 76 of Act or State Regulatory Commission as per section 82 of the Act
ARR	Annual Revenue Requirement
AUX	Auxiliary Energy Consumption
Banking of Power	It is the process under which a generating plant supply power to the grid not with intention of selling it to either a third party or to a licensee but with the intention of exercising his eligibility to draw back this power from the grid
Bill Meter	ABT compatible import and export meter on the basis of which energy bills shall be raised by the generating plant
Biomass	Wastes produced during agricultural and forestry operations (for example straws and stalks) or produced as a by-product of processing operations of agricultural produce (e.g., husks, shells, deoiled cakes, etc); wood produced in dedicated energy plantations or recovered from wild bushes/weeds; and the wood waste produced in some industrial operations
Biomass Gasification	Process of incomplete combustion of biomass resulting in production of combustible gases consisting of a mixture of Carbon monoxide (CO), Hydrogen (H <sub>2</sub> ) and traces of Methane (CH <sub>4</sub> ), which is called producer gas
Biogas	Gas created when organic matter like crop residues, sewage and manure breaks down in an oxygen-free environment (ferments)
BOO	Build, Own and Operate
BOOT	Build- Own – Operate – Transfer
BOT	Build, Own and Transfer
BSC	Balancing and Settlement Code
CAGR	Compounded Annual Growth Rate
Captive User	End user of the electricity generated in a captive generating plant
CBG	Competitive Bidding Guidelines
CBR	Conduct of Business Regulations
CD	Contract Demand
CDM	Clean Development Mechanism
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission

CER	Certified Emission Reduction
CFA	Central Finance Assistance
Check Meter	ABT compatible import and export meter for performing a check on the accuracy of the bill meter
COD	Commercial Operation Date
COG	Cost of Generation
COS	Cost of Supply
Control Period /Review Period	The period during which the norms for determination of tariff specified in the regulations shall remain valid.
CPI	Consumer Price Index
CPPs	Captive Power Plants
CPSU	Central Power Sector Units
CSP	Concentrated Solar Power
CSR	Corporate Social Responsibility
CT	Current Transformer
CTU	Central Transmission Utility
CUF	Capacity Utilization Factor
Date of Commissioning	Date on which supply of energy is commercially commenced by the generating plant
DER	Debt-Equity Ratio
Developer	Entity which develops the projects
Distribution Licensee	A licensee authorized to operate and maintain a distribution system for supply of electricity to the consumers in his area of supply
DPR	Detailed Project Report
DISCOM	Distribution Company
EAR	Energy Audit Report
EBA	Energy Banking Agreement
ED	Electricity Duty
Energy Account Month	Period from the date of meter reading in previous month to date of meter reading in following month and such period should not exceed 35 days
EHV	Extra High Voltage
ENTITY	Independent Power Producer
EWA	Energy Wheeling Agreement
Export Meter	Bill meter installed at the grid substation
FIs	Financial Institutions
Financial Year	Year Starting on 1st April of Calendar year and ending on 31st March of next calendar year
Floor Price	Minimum Price determined by CERC for RE Certificate
FOR	Forum Of Regulators
Forbearance price	The ceiling price as determined by the Central Commission in accordance with CERC Regulations, 2010
FY	Financial Year

GBI	Generation Based Incentive
GFA	Gross Fixed Asset
GHG	Green House Gas
GOI	Government of India
GOJK	Government of Jammu & Kashmir
Grid	Means high voltage backbone system of interconnecting transmission lines, substations and generating plants
Grid Code	Means the grid code specified by CERC/SERC
Gross calorific value or 'GCV'	Fuel used in generating station means the heat produced in kCal by complete combustion of one kilogram of solid fuel or one liter of liquid fuel or one standard cubic meter of gaseous fuel, as the case may be
Gross station heat rate or 'GHR'	Heat energy input in kCal required to generate one kWh of electrical energy at generator terminals of a thermal generating station
Hybrid Solar Thermal Power Plant	Means the solar thermal power plant that uses other forms of energy input sources alongwith solar thermal energy for electricity generation, and wherein not less than 75% of electricity is generated from solar energy component.
HT	High Tension
Hz	Grid Frequency
IA	Implementation Agreement
IC	Installed Capacity
IDC	Interest During Construction
IEGC	Indian Electricity Grid Code
Import Meter	Bill Meter Installed at the grid substation of STU
Inter-connection Point	Interface point of renewable energy generating facility with the transmission system or distribution system, as the case may be.
Inter-connection Facilities	Facilities which include without limitation switching equipment, control, protection and metering devices etc.
Infirm Power	Means energy supplied over and above the firm power, which is interruptible on a very short notice.
Investor	A body interested in investing in a project
IPPs	Independent Power Producers
IREDA	Indian Renewable Energy Development Agency
IRR	Internal Rate of Return
Isolation Mode	Project without Grid Connection
IWC	Interest on Working Capital
JNNSL	Jawaharlal Nehru National Solar Mission
KWh	Kilo Watt-hour
kV	Kilo Volt
kVA	Kilo Volt- Ampere
KVARH	Reactive power in Kilo Volt Ampere.
LoA	Letter of Allotment
Lol	Letter of Intent
Licensee	Person granted licensee under section 14 of the Act.

LC	Letter of Credit
LDC	Load Dispatch Centre
LRMC	Long Run Marginal Cost
LTPLR	Long Term Prime Lending Rate
MAT	Minimum Alternate Tax
MCR	Maximum Continuous Rating
MMC	Monthly Minimum Charges
MNRE	Ministry of New and Renewable Energy
MoA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOP	Ministry of Power
MW	Mega Watt
MU	Million Unit
MYT	Multi Year Tariff
NEP	National Electricity Policy
Non-Firm Power	The power from Renewable Sources which can not be scheduled e.g. Wind and Small Hydel. Non Firm Power is dependent on natural phenomenon like sun, cloud, wind etc., that cannot be predicted
NO	Network Operator
NOC	No Objection Certificate
NPV	Net Present Value
Nodal Agency	Means SLDC / Sub-State Load Dispatch Centre (SSLDC)
OA	Open Access
Obligated Entity	Distribution licensee(s), user(s) owning captive power plant(s), open access consumer(s) including a open access consumer meeting part of energy from distribution licensee & part through open access who have to mandatorily comply with renewable purchase obligation
Open Access	Non-discriminatory provision for use of transmission lines/distribution system / associated facilities with such lines or system by any licensee /consumer/ person engaged in generation in accordance with the regulations specified by the appropriate commission
O&M	Operation and Maintenance
PAT	Profit after Tax
PEA	Power Evacuation Agreement
PF	Power Factor
PLF	Plant Load Factor
PLR	Primary Lending Rate
Pooled cost of Power Purchase	Weighted average Pooled Price at which distribution licensee has purchased electricity in the previous year excluding purchase based on liquid fuel.
Power Exchange	Any exchange operating as the power exchange for electricity in terms of the orders issued by the Central Commission
PPA/PSA	Power Purchase Agreement/ Power Supply Agreement

Preferential Tariff	Tariff fixed by appropriate Commission for sale of energy from a generating station based on RE sources
Project	Means a generating station or the evacuation system upto inter-connection point.
Prosumer	Producer & a Consumer of Power
PT	Potential Transformer
PV	Photovoltaic
Quantum of Purchase	Percentage share of purchase of electricity from renewable sources as specified in the regulations.
Rate of Return	The rate of return on investment is the ratio of annual benefits (net of annual cost) as a percentage of the original
Reactive Power	The portion of power that is produced by load inductances or capacitances
RES	Renewable Energy Sources
REC	Renewable Energy Certificate
Renewable Sources	Sources of energy used to produce electricity such as Small Hydel, Wind, Solar, Biomass, Bagasse based co-generation, Urban/Municipal Waste.
Renewable Energy/ Power	Means the grid quality energy/power generated from renewable energy sources
Renewable Energy Power Plants	Power plants other than the conventional power plants generating grid quality electricity from renewable energy sources
Renewable Energy Sources	Renewable sources such as Small Hydro, Wind, Solar including its integration with combined cycle, biomass, bio fuel cogeneration, urban/municipal waste and other such sources as approved by the MNRE
REO	Renewable Energy Obligation
RLDC	Regional Load Dispatch Centre
ROE	Return On Equity
ROR	Rate Of Return
RPS	Renewable Purchase Specification
RPO	Renewable Purchase Obligation
Rs./kWh	Rupees per Kilo Watt hour
R&M	Repair and Maintenance
RPS	Renewable Portfolio Standard
SBD	Standard Bidding Document
Scheduled Generation	Scheduled of Generation in MW or MU ex-bus given by the State Load Dispatch Centre for any period.
SC& TEC	System Coordination and Techno –Economic Clearance
Self Identified Project	Developers to Identify Projects
SERC	State Electricity Regulation Commission
SLDC	State Load Dispatch Centre
SLM	Straight - Line Method
SSLDC	Sub- State Load Dispatch Centre
SRMC	Short Run Marginal Cost
Solar PV Power	The solar photo voltaic (PV) power project that uses sunlight for direct conversion into electricity through photo voltaic technology.

SPV	Special Purpose Vehicle
Solar Thermal Power	The solar thermal power project that uses sunlight for direct conversion into electricity through concentrated solar power technology based on either line focus or pointy focus principle. The direct sun light is concentrated several times to reach higher energy densities and thus higher temperatures whereby the heat generated is used to operate a conventional cycle to generated electricity.
Special Purpose Vehicle	Legal entity owning, operating and maintaining a generating station with no other business or activity to be engaged in by the legal entity
State Identified Projects	State of Sponsored Agencies to identify projects
STC	State Technical Committee
STU	State Transmission Utility
Substation	Facility/ equipment that switches, changes, or regulates electric Voltage
Substation Capacity	The substation capacity is given in kVA (kilovolt-amperes)
Supply	In relation to Electricity, means the sale of Electricity to licensee or Consumer
Switchyard	Area holding power transformers and related switchgear, circuit breakers etc.
T&D	Transmission and Distribution
TEC	Techno –Economic – Clearance
TEFR	Techno –Economic Feasibility Report
TL	Transformation Loss
TOD	Time of Day
TP	Tariff Policy
TPC	Third Party Consumers
TPS	Thermal Power Station
Transmission Charges	The charges payable by renewable energy sources for the use of transmission system
Transmission Licensee	A Licensee authorized to established or operate transmission lines
Trading	Purchase of electricity for resale there of
TSU	Transmission System User
UNFCCC	United Nation’s Framework Convention for Climate Change
UI	Unscheduled Interchange
VAT	Value Added Tax
Wheeling Charges	Operation whereby distribution system and associated facilities of transmission licensee /distribution licensee are used by another person on payment basis to be determined under section 62 of Electricity Act 2003
WPI	Wholesale Price Index
Year	Means a financial year