

Combined Summary of CERC & SERCs regulations / Tariff Orders of States procurement of power from Wind Electric Generators

Sl.No	Description	CERC	Andhra Pradesh	Gujarat	Haryana	Karnataka	Madhya Pradesh	Maharashtra	Rajasthan	Tamil Nadu	Uttarakhand
1.	Order dated	Regulation, 2009 dated 16.09.2009	01.05.2009	Draft order No.2 of 2009	15.05.2007	11.12.2009	21.11.2007	24.11.2003	16.07.2009	20.03.2009	Daft Regulations, 2009 – 30.12.2009
2.	Control Period	16.09.2009 to 31.03.2012	01.04.2009 to 31.03.2014	01.07.2009 to	01.04.2007 to 31.03.2012		21.11.2007 to 31.03.2012	01.04.2009 to 31.03.2014	01.04.2009 – 31.03.2014	01.04.2009 to 31.03.2011	2009-10 to 2012-13
3.	Tariff (Rs. /kWh)	-	3.50 for 1 st 10 years	3.55 for 20 years	4.08 in base year 2007-08, Escalation @ 1.5% p.a.	3.70 for first 10 years	1 st year – 4.03 5 th year to 20 th year – 3.36	3.50 in 1 st year from Cod, will increase @ 15p/unit/year for 13 years	-	3.39	-
4.	Financial Parameters										
i)	Capital cost (Rs. Crore/MW)	5.15 for FY 2009-10 & linked to Indexation formula	4.70	4.62	4.30	4.70	4.60	4.00, plants Commissioned after 01.04.2003	5.25	5.35	5.15
ii)	Return on equity (%)	19% for 1 st 10 Years 24% from 11 th year pre-tax	15.5	15.5, Pre-tax	16	16 Post-tax	16 Pre-tax	16	16, pre-tax	17.63 Pre-tax	a) Pre-tax, 19% p.a. for 1 st 10 years b) Pre-tax, 24% p.a. 11 th year onwards
iii)	Debt equity ratio	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30
iv)	Interest on loan (%) p.a.	Avg. SBI long term PLR plus 150 basis point	12.0	10.25	-	11.75	11.0	12.5	Equivalent to 100 basis points higher than average SBI long term PLR as on 31.01.2009	12.0	Avg. SBI long term PLR plus 150 basis point
v)	Depreciation (%) p.a.	7	4.5	4.5	-	7.0%	75 p.a for 1 st 10years, Balance depreciation @2% p.a in next 10 years	-	To be allowed up to maximum of 90% of capital cost admitted by the Commission. Depreciation to be calculated based on SLM	4.5	7% for 1 st 10 years, from 11 th year onwards remaining depreciation shall be spread over balance useful life.
vi)	Interest on working capital (%)	Interest rate equivalent to avg. SBI short term PLR plus 100 basis point	-	-	-	13.25	-	-	Equivalent to SBI short term PLR as on 31.01.2009	-	Interest ate equivalent to avg. SBI short term PL plus 100 basis point.
vii)	O&M (% of project cost) Escalation (%) p.a.	Rs. 6.50 lac/ MW 5.72	1.25 5.0	1.5 5.0	-	1.25 5.0	1.0 for 1 st five years 5.0	1 st three years - @1.5% 4 th year - @2%, thereafter, Escalation @ 5%	For power plant - @ 1.25%, Tans. Lines – 3% of lines cost Escalation @ 5.72%	1.1 5.0	Rs. 6.50 lakh/MW 5.72
5.	Normative Parameters										
i)	Capacity Utilization Factor (%)	<u>Wind Power density (W/m2)</u> <u>CUF</u> (%) 200-250 20 250-300 23 300-400 27 >400 30	24.5	23.0	20.0	26.5	22.5	22.0	21% for Jaisalmer, Jodhpur & Barmer Distt. 20% for other districts.	27.5	<u>Wind Power density (W/m2) CUF</u> (%) 200-250 20 250-300 23 300-400 27 >400 30
ii)	Auxiliary Consumption (%)					0.5	-			-	0.5
6.	Other Parameters										
i)	RPO (%)	-	-	2009-10: 6% 2010-11: 7% 2011-12: 7%	2007-08: 3% 2008-09: 5% 2009-10: 10% & thereafter	-	For each License 10% of its Annual consumption (including third party sale & own use) in the area of supply subject to availability. Not applicable under Force Majure conditions.		2009-10: 7.45% 2010-11: 8.50% 2011-12: 9.50%	2009-10: 13% 2010-11: 14%	-

ii)	Useful life (Years)	-	20	20	-	20	20	20	25	20	25
iii)	Evacuation facility	-	Developer to bear entire cost of power evacuation for inter connection with grid and delivery of power	-	STU / Distribution license to bear cost of EHV/HV line up to 10 kms from point of energy metering, beyond that cost to be shared equally	-	-	Developer to bear cost of switchyard & interconnection facilities up to energy metering point. STU to bear cost beyond that.	-	Cost of inter-facing line up to inter-connection shall be borne by STU/distribution licensee in case of entire power to distribution licensee	-
iv)	Transmission & Wheeling charges	-	-	a) At 66 KV & above, users to pay transmission charges @ 1/3 rd of transmission charges of applicable to open access consumer b) upto 11KV, users to pay 1/3 transmission charges as applicable to open access consumer plus	2% of energy (for wheeling)	For the Third party sale the charges to be determined by commission from time to time	As determined by the Commission from time to time. However, no wheeling charges are payable sale to MP Power trading Co.	2% of energy wheeled	i) 50% of the transmission charges specified for open access consumer. ii)Where distribution network utilized is below 132kV, wheeling charges shall be 50% of normal charges, as applicable for 33kV	5% of energy injected	@5% of energy injected
v)	Banking	-	-	For self use of generation, eligible for 1 month banking	Allowed, but surplus energy not to be carried over to next year.	For the Third party sale charges to be determined by Commission from time to time	-	a) shall be permitted any time of day & night b) balance at end of financial year not to be carried over to next year	Banking allowed within the state only. No banking is permitted during months of December to February	Charges @ 5% of energy. No carry over is allowed beyond banking period.	
vi)	Sharing of CDM Benefits	1 st year : 100% to project developer. 2 nd year: 10% beneficiaries, to be increased @10% p.a up to 50%. Thereafter, to be shared on equal basis.	To be shared in the ratio 90:10 between Developer & Discom.	1 st year: 100% to developer. 2 nd year: 10% to beneficiaries to be increased @ 10% p.a up to 50%. Thereafter to be shared on equal basis	-	1 st year : 100% to developer. 2 nd year -10% to beneficiaries to be increased @ 10% p.a. up to 50%. Thereafter, to be shared on equal basis.	1 st year: 100% to developer. 2 nd year – 10% to beneficiaries to increased @ 10% p.a. up to 50%. Thereafter to be shared on equal basis.	-	Sharing between distribution licensee and developer in the ratio of 25:75. Share of distribution licensee shall be fully passed on to consumer	1 st year: 100% to developers. Reduction of 10% every years till sharing becomes 50:50 between developer and the consumer in 6 th year. Thereafter, sharing of benefits will remain equal.	1 st year: 100% to developers. Education of 10% every year till sharing becomes 50:50 between developer and the consumer in 6 th year. Thereafter, sharing of benefits will remain equal
vii)	Reactive charges	-	-	@10 paise/KVARh for at drawl of reactive energy up to 10%, @25 paise/KVARh for drawl beyond 10%	-	-	Rs.0.27/ unit for KVARh consumption from Grid to the distribution License	@25 paise/KVARh for drawl of reactive energy up to 10%, beyond 10% to be billed at prevailing rate.	@ 5.75 paise/KVARh wef 1.04.2009, escalated @ 0.25 paise/KVARh p.a.	25 p/KVARh for drawing reactive power up to 10%. Double charges for drawing above this limit.	
viii)	PPA	-	-	-	PPA signed earlier not to be re-opened	-	a) Energy generated by developer to be procured centrally by MPPTCD at the specified rates. b) MPPTCD to have back to back power supply agreement with Discoms for a period of 20 years from COD. c) Developer to get all Environmental & Pollution Control clearances before entering PPA.	13 years	-	-	-

ix)	Subsidy or incentive by Central / State Govt.	To be taken into consideration	-	-	-			-	-	-	-
x)	Taxes & Duties	Tariff determined shall be exclusive of taxes & duties levied by Govt. provided allowed as pass through on actual basis	-	-	-			-	-	-	-
xi)	Late Payment Surcharge					-	For delay beyond 30 days, MP Trading Co. will pay penal interest @5% over & above short term PLR of SBI			-	In case of delay in payment beyond 1 month after due, late payment surcharge @1.25% per month to be levied

Source: India Renewable Energy Development Agency Limited (IREDA)