



**JOINT ELECTRICITY REGULATORY COMMISSION
FOR MANIPUR AND MIZORAM
AIZAWL ::: MIZORAM**

N O T I F I C A T I O N

Dated Aizawl, the 2nd November, 2017

No.H.13011/17/10-JERC.- In exercise of the powers conferred under Section 66 and Section 181 of the Electricity Act, 2003 (36 of 2003), and all other powers enabling it in this behalf and after previous publications, the Joint Electricity Regulatory Commission for the states of Manipur and Mizoram hereby adopts the CERC RE Regulations, 2012 and the amendments thereof and the tariff determined by CERC from time to time for RE technologies and for MSW/RDF based projects pertaining to Manipur and Mizoram states.

2. The Commission has notified the JERC for M&M (Terms and Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2010 on 31.05.2010 and the JERC for M&M (Terms and Conditions for Tariff Determination from Renewable Energy Sources) (First Amendment) Regulations, 2014 on 05.08.2014. These Regulations provide for terms and conditions and the procedure including various technical norms prescribed by the Regulations of Central Electricity Regulatory Commission (CERC) vide its notification No.L-1/94/CERC/2016, dated 6.02.2012 called CERC (Terms and Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2012 and vide its notification No.L-1/94/CERC/2011, dated 18.03.2014 called CERC (Terms and Conditions for Tariff Determination from Renewable Energy Sources) (First Amendment) Regulations, 2014. The Commission had determined generic levellised generation tariff for the FY 2014-15 on the basis of various norms specified in the above regulations vide its Order dated 05.01.2015 which is available in the JERC for Manipur and Mizoram website www.jerc.mizoram.gov.in.
3. CERC vide Notification No.L-1/94/CERC/2011, dated 05.01.2015 amended the CERC RE Regulations, 2012 called CERC (Terms and Conditions for Tariff Determination from Renewable Energy Sources) (Second Amendment) Regulations, 2014 (Second Amendment, 2014) wherein Regulation 4(c) and Regulation 41 pertaining to the use of 15% fossil fuels by Biomass based Power Projects were amended. Further, CERC vide Notification No.L-1/94/CERC/2011, dated 10.07.2015 amended the CERC (Terms and Conditions for Tariff

Determination from Renewable Energy Sources) (Third Amendment) Regulations, 2015 (Third Amendment, 2015) vide which 'Regulation 38: Station Heat Rate' (SHR) and 'Regulation 43: Calorific Value' (CV) for Biomass based Power Projects were amended. The revised norms in respect of SHR were specified as 4126 kCal/kWh for projects using travelling grate boilers & 4063 kCal/kWh for projects using AFBC boilers. The revised norms in respect of CV were specified as 3174 kCal/kg for Biomass based Power Projects using fossil fuel upto 15% of calorific contribution.

4. CERC vide Notification No.L-1/94/CERC/2011, dated 07.10.2015 amended the CERC RE Regulations, 2012 called CERC (Terms and Conditions for Tariff Determination from Renewable Energy Sources) (Fourth Amendment) Regulations, 2015 (Fourth Amendment, 2015) vide which norms/parameters for Municipal Solid Waste (MSW) and Refuse Derived Fuel (RDF) based Power Projects have been specified and determined tariff for such projects. CERC vide Notification No.L-1/94/CERC/2011, dated 30.03.2016 amended the CERC RE Regulations, 2012 called CERC (Terms and Conditions for Tariff Determination from Renewable Energy Sources) (Fifth Amendment) Regulations, 2016 (Fifth Amendment, 2016) vide which the Normative O&M expenses for Solar PV Power Projects for FY 2016-17 was fixed at Rs. 7 lakhs/MW. The consolidated CERC RE Regulation amendments upto January incorporated and the Fifth Amendment, 2016 are available on CERC website www.cercind.gov.in
5. CERC has, in due discharge of the mandate under Regulation 8 of the CERC RE Regulations, 2012 determined the levellised generic tariff of RE Projects for the fifth year (FY 2016-17) of the control period in its Order dated 29.04.2016 in petition No.SM/03/2016 (Suo-Motu). This Order is available on the CERC website www.cercind.gov.in. As per this order, the generic tariff for the various RE Projects/Technologies to be commissioned during the year 2016-17 are as under:

Generic Tariff for RE technologies for FY 2016-17

Levellised Fixed Cost (₹/kWh)	Variable Cost (FY 2016-17) (₹/kWh)	Applicable Tariff Rate (₹/kWh)	Benefit of Accelerated Depreciation, if availed (₹/kWh)	Net Applicable Tariff Rate upon adjusting for Accelerated Depreciation benefit (3-4) (₹/kWh)
1	2	3	4	5
Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using travelling grate boiler				
3.10	4.39	7.49	0.18	7.31

Levelised Fixed Cost (₹/kWh)	Variable Cost (FY 2016-17) (₹/kWh)	Applicable Tariff Rate (₹/kWh)	Benefit of Accelerated Depreciation, if availed (₹/kWh)	Net Applicable Tariff Rate upon adjusting for Accelerated Depreciation benefit (3-4) (₹/kWh)
1	2	3	4	5
Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Air Cooled Condenser and travelling grate boiler				
3.28	4.49	7.77	0.20	7.57
Biomass Power Projects [Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and travelling grate boiler				
3.24	4.39	7.62	0.20	7.43
Biomass Power Projects [Rice Straw and Juliflora (plantation) based project] with Air Cooled Condenser and travelling grate boiler				
3.42	4.49	7.91	0.22	7.70
Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and AFBC boiler				
3.09	4.32	7.41	0.18	7.23
Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Air Cooled Condenser and AFBC boiler				
3.27	4.42	7.69	0.20	7.50
Biomass Power Projects [Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and AFBC boiler				
3.23	4.32	7.55	0.20	7.35
Biomass Power Projects [Rice Straw and Juliflora (plantation) based project] with Air Cooled Condenser and AFBC boiler				
3.42	4.42	7.84	0.22	7.62
Bagasse Based Co-generation Project				
2.79	3.36	6.14	0.21	5.94
Non-Fossil Fuel based Co-Generation Projects				
2.79	3.36	6.15	0.21	5.94
Biomass Gasifier Power Projects				
2.64	4.17	6.81	0.13	6.68
Biogas based Power Projects				
4.09	3.59	7.68	0.26	7.42
Small Hydro Power Projects				
Below 5 MW		4.70	-	-
5 to 25 MW		3.99	-	-
Wind Energy Power Projects				
Wind Zone-1		6.60	0.71	5.89
Solar Power Projects				
Solar PV		5.68	0.60	5.08
Solar Thermal		12.07	1.25	10.82

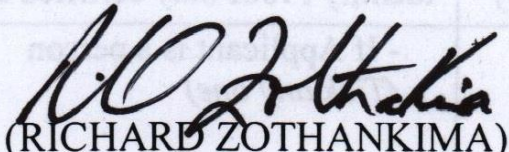
The generic tariff for MSW based power projects and RDF based MSW power projects for FY 2016-17 are as under:

Levellised Fixed Cost (₹/kWh)	Variable Cost (FY 2015-16) (₹/kWh)	Applicable Tariff Rate (₹/kWh)	Benefit of Accelerated Depreciation, if availed (₹/kWh)	Net Applicable Tariff Rate upon adjusting for Accelerated Depreciation benefit (3-4) (₹/kWh)
1	2	3	4	5
MSW based Power Projects				
7.04	0.00	7.04	0.54	6.50
RDF based MSW Power Projects				
4.34	3.56	7.90	0.31	7.59

The above tariff will be applicable till the Tariff Order for MSW/RDF projects is issued separately once more data is available to fix the capital cost and tariff of such projects.

6. The generic tariff for RE technologies, MSW based power projects and RDF based MSW power projects determined by CERC from time to time shall be applicable in the states of Manipur and Mizoram with or without modification by the JERC for Manipur and Mizoram until issue of further order.
7. With the adoption of CERC RE Regulations, 2012 and its amendments thereof, the JERC M&M (Terms and Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2010 and its amendments thereof is repealed.

By order of the Commission,


 (RICHARD ZOTHANKIMA)
 Assistant Secretary