

Calculation in accordance with the Fuel Surcharge Formula in Paragraph A of Schedule -7B of the West Bengal Electricity Regulatory Commission (Terms & Condition of Tariff) Regulations, 2011 read with applicable Regulations

Calculation of MVCA for the month of NOVEMBER, 2018

Parameter	Details	Reference/Basis	Unit	Amount
<b>From Latest Order Case No: TP-58/13 - 14 Dated 21.07.2016 and TP(R)-26/16-17 dated 17.02.2017</b>				
E <sub>sc</sub>	Energy Sale to Consumers and Licensee as per Tariff Order	Para 5.4 Page 75 of Order dated 21.07.2016	MU	820.00
pp <sub>cost</sub>	Power Purchase Cost allowed in Tariff Order	Para 1, Page A2 of Order dated 17.02.2017	Rs	3,44,59,66,000.00
fc	Fuel Cost allowed in the Tariff Order	Page 23	Rs	31,97,21,000.00
pp <sub>cost_ex</sub>	Fuel Cost/power purchase cost allowed for sale to person other than licensee and consumers in the Tariff Order		Rs	0.00
TL	Normative transmission loss %	Not Applicable	%	0.00
DL	Normative distribution loss %	Para 3.2.3 Page 17 of order dated 21.07.2016	%	5.25%
<b>Values for the period from the beginning of the year up to the Applicable month</b>				
E <sub>p</sub>	Total Power Purchase against bill		MU	479.73
E <sub>G</sub>	Total sent out from own generation		MU	19.01
E <sub>x</sub>	Total energy sold to persons other than consumers and licensee including swap out		MU	0.00
E <sub>p_PSP</sub>	Net Power Drawal for pumping energy of Pumped Storage Project		MU	0.00
U <sub>in</sub>	Net Power Drawal in UI Mode		MU	0.00
U <sub>out</sub>	Net Power Exported in UI Mode		MU	0.00
CTU <sub>loss</sub>	Loss through inter state transmission system for import of power from different sources		MU	0.00
PP <sub>cost</sub>	Total adjusted cost of power purchase from different sources		Rs	2,01,52,54,992.02
FC	Total fuel cost of generation		Rs	7,35,64,375.17
U <sub>costin</sub>	Power purchase cost fro U <sub>in</sub>		Rs	0.00
R-E <sub>x</sub>	Revenue earned on account of part of variable cost only due to Energy sold against Ex		Rs	0.00
R-U <sub>out</sub>	Revenue earned due to power exported in UI Mode		Rs	0.00
<b>Value to be taken from the Order of Adhoc Variable Cost or Adhoc Power Purchase Cost</b>				
Adhoc_V <sub>cost</sub>	Adhoc Variable Cost or Adhoc Power Purchase Cost	Not Applicable	Rs./kWh	0.00
<b>Values to be taken for the balance period of the year</b>				
P <sub>proj</sub>	Projected power purchase cost for the balance period of the year beyond the month under consideration for the balance energy projected to be procured		Rs	1,44,47,27,977.05
FC <sub>proj</sub>	Projected fuel cost for the generating station of the Licensee for the balance period of the month under consideration		Rs	41,64,14,456.96
E <sub>proj</sub>	Projected energy to be purchased for the balance period of the year		MU	308.46
E <sub>p_PSP_proj</sub>	Projected net drawal of pumping energy of the pump storage project for balance of the year		MU	0.00
E <sub>G_proj</sub>	Projected Ex Bus generation to be supplied from own generation station for the balance of the year		MU	61.40
E <sub>x_proj</sub>	Projected energy to be sold to a person other than consumer and licensee including swap out for the balance period of the year from the month under consideration to the end of the year		MU	0.00
R-E <sub>x_proj</sub>	Projected revenue to be earned on account of part of the variable cost due to projected energy sold against Ex <sub>proj</sub>		Rs	0.00
<b>Computation of MVCA for the applicable month</b>				
Tot <sub>ENR</sub>	Total energy supplied	$E_{p+EG+U_{in}+E_{proj}+E_{G\_proj}}$	MU	868.60
Tot <sub>ENR_consumer</sub>	Total energy supplied for the consumers and the Licensee	$Tot_{ENR} - U_{out} - E_x - E_{x\_proj} - (E_{p\_PSP} + E_{p\_PSP\_proj}) / (1 - TL)$	MU	868.60
MVC	Total Variable cost	$pp_{cost} + fc + U_{costin} + P_{proj} + FC_{proj} + \Delta_{adj}$	Rs	3,94,99,61,801.20
MVC <sub>consumer</sub>	Monthly Variable Cost for the consumers and Licensee	$MVC - (R - E_x + R - U_{out} + R - E_{x\_proj})$	Rs	3,94,99,61,801.20
E <sub>sc</sub>	Energy Sales to Consumers and Licensee	$Tot_{ENR\_consumer} \times (1 - TL \times 0.01) \times (1 - DL \times 0.01)$	MU	822.9985
Δ <sub>adj</sub>	Adjustment on the basis of cumulative total variable cost incurred from the start of 2018-19 upto the month under consideration	Delta Adjustment Sheet	Rs	0
MVC <sub>unit_consumer</sub>	Rate of Variable Cost	$MVC_{consumer} / (E_{sc} \times 10^6)$	Rs./kWh	4.7995
mvc <sub>consumer</sub>	Variable Cost considered in the Order by Commission	$pp_{cost} + fc - pp_{cost\_ex}$	Rs	3,76,56,87,000.00
mvc <sub>unit_consumer</sub>	Variable Cost considered in the Order by Commission	$mvc_{consumer} / (e_{sc} \times 10^6)$	Rs./kWh	4.5923
MVCA	Monthly Variable Cost adjustment in Paise/Unit	$(MVC_{unit\_consumer} - mvc_{unit\_consumer} - Adhoc\_Vcost) \times 100$	Paise/kWh	20.72
			Rounded to 20 paise/kwh integer value in lower side	

Name of Source	Total upto last month (Sep-18)			Oct-18			Upto Present month		
	MU	Rs Lakhs	p/unit	MU	Rs Lakhs	p/unit	MU	Rs Lakhs	p/unit
	A	B	C	D	E	F	G	H	I
DVC	79.73	3444.38	432	11.10	479.69	432	90.84	3924.07	432
WBSIEDCL	27.07	1526.66	564	3.69	208.20	565	30.76	1734.85	564
WBGEDCL	0.44	22.11	500	0.07	3.72	500	0.52	25.83	500
Other Sources (incl. OA, Banking)	302.87	11855.04	391	54.75	2612.76	477	357.62	14467.80	405
<b>TOTAL POWER PURCHASE</b>	<b>410.12</b>	<b>16848.18</b>	<b>411</b>	<b>69.61</b>	<b>3304.37</b>	<b>475</b>	<b>479.73</b>	<b>20152.55</b>	<b>420</b>
<b>Net Generation from Own Source</b>	<b>18.46</b>	<b>698.55</b>	<b>378</b>	<b>0.55</b>	<b>37.10</b>	<b>678</b>	<b>19.01</b>	<b>735.64</b>	<b>387</b>

## Balance Period of the year

	As per approved Tariff Order	Projected for balance period	Projection methodology adopted	Applicable rate for balance energy	Projected for balance period
	2016-17*				
Name of Source	MU	MU		p/unit	Rs Lakhs
	J	K		L= Max(C,F,I)	M=L*K/10
DVC	753.91	64.88	G*5/7	432	2802.91
WBSEDCL	32.72	1.96	J-G	565	110.78
WBGEDCL	1.56	1.04	J-G	500	52.18
Other Sources (incl. OA, Banking)	0	240.58	$J_{tot} - G_{tot} - K_{DVC} -$ $K_{WBSEDCL} - K_{WBGEDCL}$	477	11481.41
<b>TOTAL POWER PURCHASE</b>	<b>788.19</b>	<b>308.46</b>			<b>14447.28</b>
<b>Net Generation from Own Source</b>	<b>80.41</b>	<b>61.40</b>	J-G	678	4164.14

\* Last Applicable tariff order for IPCL pertains to FY2016-17