

Calculation of MFCA in accordance with the Fuel Surcharge Formula in Paragraph B of Schedule - 7B of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011

Haldia Energy Limited

a) Values taken from the Order dated 28.07.2022 in Case No TP- 92/20-21

Details	Parameters	Unit	Amount
Normative Auxiliary Consumption	Aux _n	%	9%
Normative oil consumption rate	Oil _n	ml/kWh	1
Normative gross station heat rate of power station	SHR _n	kCal/kWh	2345
Normative transit and handling loss	T _L	%	0.8
Average Energy cost for sent out energy as per Tariff Order	EC _T	Rs/kWh	2.5239

b) Values for the Month - September 2023

Details	Parameters	Unit	Amount
Sent out energy from the Power Station	E _g	MU	371.5
Price of oil	Oil _{price}	Rs/kL	74924
Heat value of oil	Oil _{gcv}	kCal/L	8970
Heat Value of coal purchased	CoalGCV	kCal/kg	2786
Average coal price	Coal _{price}	Rs/MT	3521

c) Value to be taken from the Order of Adhoc Variable Cost or Adhoc Power Purchase Cost (if any)

Details	Parameters	Unit	Amount
Adhoc Fuel Cost	Adhoc_F _{cost}	Rs./kWh	-

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d) Computation of MFCA for the month of October 2023

Details	Parameters	Formula	Unit	Amount
Normative generation of the power station (MU)	G_n	$E_g / (1 - Aux_n \times 0.01)$	MU	408.214
Total cost on normative oil consumption	Oil_C	$G_n \times Oil_n \times Oil_{price}$	Rs.	30584942
Heat generated from oil consumption	Oil_{Heat}	$G_n \times Oil_n \times Oil_{gcv} \times 10^3$	kCal	3661546080
Total Normative heat required for sent out generation	T_H	$G_n \times SHR_n \times 10^6$	kCal	957260951269
Heat required from coal (Primary Fuel)	F_H	$T_H - Oil_{Heat}$	kCal	953599405189
Normative coal consumption	$Coal_{con}$	$F_H / (CoalGCV \times 1000)$	MT	342295
Normative coal required	$Coal_{req}$	$Coal_{con} / (1 - T_L \times 0.01)$	MT	345055
Total coal cost on normative coal required	TC_C	$Coal_{req} \times Coal_{price}$	Rs.	1214976075
Average Energy cost for sent out energy	EC_{avg}	$(TC_C + Oil_C) / (E_g \times 1000)$	Rs./kWh	3.3530
Monthly fuel cost adjustment	MFCA	$(EC_{avg} - EC_T - Adhoc_{F_{cost}}) \times 100$	Paise/kWh	82.00

Note:

1. Necessary adjustments in terms of the Tariff Order dated 28 July 2022 issued by the Hon'ble Commission in Case No. TP-92/20-21, has been reflected in the MFCA worksheet. MFCA, calculated on a standalone monthly basis in terms of applicable regulations, results in monthly fluctuations. MFCA of 18 Paise/kWh has been charged, considering minimum notified GCV for respective grades reduced by 120kCal/kg, following the methodology adopted by the Hon'ble Commission in Tariff order dated 28 July 2022. The same is charged without prejudice to our further claim before appropriate authorities. While all components of charges to the extent available within the permissible timeline as prescribed in the regulations have been considered, claims and reconciliation at this stage are provisional and continuing. Fuel costs in terms of applicable regulations shall be prayed through appropriate petition(s).