

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	2.8650

b) Values for the Month - March 2024

Details	Parameters	Unit	Amount
Sent out energy from the Power Station	E_g	MU	346.3
Price of oil	Oil_{price}	Rs/kL	76838
Heat value of oil	Oil_{gcv}	kCal/L	9139
Heat Value of coal purchased	$CoalGCV$	kCal/kg	3043
Average coal price	$Coal_{price}$	Rs/MT	3682

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 April 2024

Details	Parameters	Formula	Unit	Amount
Normative generation of the power station (MU)	G_n	$E_g / (1 - Aux_n \times 0.01)$	MU	380.598
Total cost on normative oil consumption	Oil_C	$G_n \times Oil_n \times Oil_{price}$	Rs.	29244570
Heat generated from oil consumption	Oil_{Heat}	$G_n \times Oil_n \times Oil_{gcv} \times 10^3$	kCal	3478109629
Total Normative heat required for sent out generation	T_H	$G_n \times SHR_n \times 10^6$	kCal	892502593462
Heat required from coal (Primary Fuel)	F_H	$T_H - Oil_{Heat}$	kCal	889024483832
Normative coal consumption	$Coal_{con}$	$F_H / (CoalGCV \times 1000)$	MT	292131
Normative coal required	$Coal_{req}$	$Coal_{con} / (1 - T_L \times 0.01)$	MT	294487
Total coal cost on normative coal required	TC_C	$Coal_{req} \times Coal_{price}$	Rs.	1084240545
Average Energy cost for sent out energy	EC_{avg}	$(TC_C + Oil_C) / (E_g \times 1000)$	Rs./kWh	3.2150
Monthly fuel cost adjustment	MFCA	$(EC_{avg} - EC_T - Adhoc_F_{cost}) \times 100$	Paise/kWh	34.00

Note:

1. Necessary adjustments in terms of the Tariff Order dated 06 March 2024 issued by the Hon'ble Commission in Case No. TP-101/22-23, 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 34 Paise/kWh has been charged in terms of applicable Regulations. 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).