

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 - December 2023

Details	Parameters	Unit	Amount
Sent out energy from the Power Station	E_g	MU	265.1
Price of oil	Oil_{price}	Rs/kL	76838
Heat value of oil	Oil_{gcv}	kCal/L	9146
Heat Value of coal purchased	CoalGCV	kCal/kg	2960
Average coal price	$Coal_{price}$	Rs/MT	3822

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 January 2024

Details	Parameters	Formula	Unit	Amount
Normative generation of the power station (MU)	G_n	$E_g / (1 - Au_{x_n} \times 0.01)$	MU	291.367
Total cost on normative oil consumption	Oil_C	$G_n \times Oil_n \times Oil_{price}$	Rs.	22388030
Heat generated from oil consumption	Oil_{Heat}	$G_n \times Oil_n \times Oil_{gcv} \times 10^3$	kCal	2664859970
Total Normative heat required for sent out generation	T_H	$G_n \times SHR_n \times 10^6$	kCal	683256375192
Heat required from coal (Primary Fuel)	F_H	$T_H - Oil_{Heat}$	kCal	680591515223
Normative coal consumption	$Coal_{con}$	$F_H / (CoalGCV \times 1000)$	MT	229955
Normative coal required	$Coal_{req}$	$Coal_{con} / (1 - T_L \times 0.01)$	MT	231810
Total coal cost on normative coal required	TC_C	$Coal_{req} \times Coal_{price}$	Rs.	886085807
Average Energy cost for sent out energy	EC_{avg}	$(TC_C + Oil_C) / (E_g \times 1000)$	Rs./kWh	3.4263
Monthly fuel cost adjustment	MFCA	$(EC_{avg} - EC_T - Adhoc_{F_{cost}}) \times 100$	Paise/kWh	90.00

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 27 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).