

**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 - February 2024**

Details	Parameters	Unit	Amount
Sent out energy from the Power Station	$E_g$	MU	331.9
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	3013
Average coal price	$Coal_{price}$	Rs/MT	3530

**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 March 2024**

<b>Details</b>	<b>Parameters</b>	<b>Formula</b>	<b>Unit</b>	<b>Amount</b>
Normative generation of the power station (MU)	$G_n$	$E_g / (1 - Au_{x_n} \times 0.01)$	MU	364.732
Total cost on normative oil consumption	$Oil_C$	$G_n \times Oil_n \times Oil_{price}$	Rs.	28025475
Heat generated from oil consumption	$Oil_{Heat}$	$G_n \times Oil_n \times Oil_{gcv} \times 10^3$	kCal	3335810025
Total Normative heat required for sent out generation	$T_H$	$G_n \times SHR_n \times 10^6$	kCal	855297279577
Heat required from coal (Primary Fuel)	$F_H$	$T_H - Oil_{Heat}$	kCal	851961469552
Normative coal consumption	$Coal_{con}$	$F_H / (CoalGCV \times 1000)$	MT	282792
Normative coal required	$Coal_{req}$	$Coal_{con} / (1 - T_L \times 0.01)$	MT	285072
Total coal cost on normative coal required	$TC_C$	$Coal_{req} \times Coal_{price}$	Rs.	1006391342
Average Energy cost for sent out energy	$EC_{avg}$	$(TC_C + Oil_C) / (E_g \times 1000)$	Rs./kWh	3.1166
<b>Monthly fuel cost adjustment</b>	<b>MFCA</b>	<b><math>(EC_{avg} - EC_T - Adhoc_{F_{cost}}) \times 100</math></b>	<b>Paise/kWh</b>	<b>59.00</b>

**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 5 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).