

**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 06.03.2024 in Case No TP- 101/22-23**

Details	Parameters	Unit	Amount
Normative Auxiliary Consumption	Aux <sub>n</sub>	%	9%
Normative oil consumption rate	Oil <sub>n</sub>	ml/kWh	1
Normative gross station heat rate of power station	SHR <sub>n</sub>	kCal/kWh	2345
Normative transit and handling loss	T <sub>L</sub>	%	0.8
Average Energy cost for sent out energy as per Tariff Order	EC <sub>T</sub>	Rs/kWh	2.8650

**b) Values for the Month - March 2025**

Details	Parameters	Unit	Amount
Sent out energy from the Power Station	E <sub>g</sub>	MU	408.2
Price of oil	Oil <sub>price</sub>	Rs/kL	73175
Heat value of oil	Oil <sub>gcv</sub>	kCal/L	9283
Heat Value of coal purchased	CoalGCV	kCal/kg	3029
Average coal price	Coal <sub>price</sub>	Rs/MT	3259

**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 <sub>cost</sub>	Rs./kWh	-

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**d) Computation of MFCA for the month of April 2025**

Details	Parameters	Formula	Unit	Amount
Normative generation of the power station (MU)	$G_n$	$E_g / (1 - \text{Aux}_n \times 0.01)$	MU	448.559
Total cost on normative oil consumption	$\text{Oil}_C$	$G_n \times \text{Oil}_n \times \text{Oil}_{\text{price}}$	Rs.	32823352
Heat generated from oil consumption	$\text{Oil}_{\text{Heat}}$	$G_n \times \text{Oil}_n \times \text{Oil}_{\text{gcv}} \times 10^3$	kCal	4163828178
Total Normative heat required for sent out generation	$T_H$	$G_n \times \text{SHR}_n \times 10^6$	kCal	1051870968385
Heat required from coal (Primary Fuel)	$F_H$	$T_H - \text{Oil}_{\text{Heat}}$	kCal	1047707140206
Normative coal consumption	$\text{Coal}_{\text{con}}$	$F_H / (\text{CoalGCV} \times 1000)$	MT	345871
Normative coal required	$\text{Coal}_{\text{req}}$	$\text{Coal}_{\text{con}} / (1 - T_L \times 0.01)$	MT	348660
Total coal cost on normative coal required	$\text{TC}_C$	$\text{Coal}_{\text{req}} \times \text{Coal}_{\text{price}}$	Rs.	1136257612
Average Energy cost for sent out energy	$\text{EC}_{\text{avg}}$	$(\text{TC}_C + \text{Oil}_C) / (E_g \times 1000)$	Rs./kWh	2.8641
<b>Monthly fuel cost adjustment</b>	<b>MFCA</b>	<b><math>(\text{EC}_{\text{avg}} - \text{EC}_T - \text{Adhoc\_F}_{\text{cost}}) \times 100</math></b>	<b>Paise/kWh</b>	<b>0.00</b>

**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 0 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).