

**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 - May 2024**

| Details                                | Parameters            | Unit    | Amount |
|--|-----------------------|---------|--------|
| Sent out energy from the Power Station | E <sub>g</sub>        | MU      | 332.3  |
| Price of oil                           | Oil <sub>price</sub>  | Rs/kL   | 76245  |
| Heat value of oil                      | Oil <sub>gcv</sub>    | kCal/L  | 9069   |
| Heat Value of coal purchased           | CoalGCV               | kCal/kg | 3019   |
| Average coal price                     | Coal <sub>price</sub> | Rs/MT   | 3315   |

**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 June 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               | 365.146       |
| Total cost on normative oil consumption               | $Oil_C$           | $G_n \times Oil_n \times Oil_{price}$                               | Rs.              | 27840652      |
| Heat generated from oil consumption                   | $Oil_{Heat}$      | $G_n \times Oil_n \times Oil_{gcv} \times 10^3$                     | kCal             | 3311658808    |
| Total Normative heat required for sent out generation | $T_H$             | $G_n \times SHR_n \times 10^6$                                      | kCal             | 856266432000  |
| Heat required from coal (Primary Fuel)                | $F_H$             | $T_H - Oil_{Heat}$  | kCal             | 852954773192  |
| Normative coal consumption                            | $Coal_{con}$      | $F_H / (CoalGCV \times 1000)$                                       | MT               | 282509        |
| Normative coal required                               | $Coal_{req}$      | $Coal_{con} / (1 - T_L \times 0.01)$                                | MT               | 284788        |
| Total coal cost on normative coal required            | $TC_C$            | $Coal_{req} \times Coal_{price}$                                    | Rs.              | 944041192     |
| Average Energy cost for sent out energy               | $EC_{avg}$        | $(TC_C + Oil_C) / (E_g \times 1000)$                                | Rs./kWh          | 2.9249        |
| <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>5.00</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 5 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).