

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

Hiranmaye Energy Limited

a) Values taken from the Order dated 22nd July, 2022 in Case No: TP - 97 /20-21

| Details | Parameters | Unit | Amount |
|-------------------------------------------------------------|------------------|----------|---------|
| Normative Auxiliary Consumption | AUX _n | % | 10.50 |
| Normative oil consumption rate | Oil _n | ml/kWh | 1 |
| Normative gross station heat rate of power station | SHR _n | kCal/kWh | 2477.15 |
| Normative transit and handling loss | T _L | % | 0.8 |
| Average Energy cost for sent out energy as per Tariff Order | EC _T | Rs/kWh | 3.248 |

b) Values for the Month - January 2024

| Details | Parameters | Unit | Amount |
|----------------------------------------|-----------------------|---------|-----------|
| Sent out energy from the Power Station | E _g | MU | 136.222 |
| Price of Oil | Oil _{price} | Rs/KL | 72,417.54 |
| Heat Value of Oil | Oil _{hcv} | kCal/L | 10,722.66 |
| Heat Value of Coal Purchased | Coal _{hcv} | kCal/kg | 2,894.33 |
| Average coal price | Coal _{price} | Rs/MT | 3,727.13 |

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 | 0 |

d) Computation of MFCA for the month of February 2024

| Details | Parameters | Formula | Unit | Amount |
|--------------------------------------------------------------|---------------------|---------------------------------------------------------------|-----------|----------------------|
| Normative generation of the power station | G _n | $E_g / (1 - \text{AUX}_n \times 0.01)$ | MU | 152.20 |
| Total cost on normative oil consumption | Oil _c | $G_n \times \text{Oil}_n \times \text{Oil}_{price}$ | Rs | 1,10,22,192.66 |
| Heat generated from oil consumption | Oil _{Heat} | $G_n \times \text{Oil}_n \times \text{Oil}_{hcv} \times 10^3$ | kCal | 1,63,20,24,793.88 |
| Total Normative heat required for sent out generation | T _H | $G_n \times \text{SHR}_n \times 10^6$ | kCal | 3,77,03,05,33,296.09 |
| Heat required from coal (Primary Fuel) | F _H | $T_H - \text{Oil}_{Heat}$ | kCal | 3,75,39,85,08,502.21 |
| Normative coal consumption | Coal _{con} | $F_H / (\text{Coal}_{hcv} \times 1000)$ | MT | 1,29,701.57 |
| Normative coal required | Coal _{req} | $\text{Coal}_{con} / (1 - T_L \times 0.01)$ | MT | 1,30,747.55 |
| Total coal cost on normative coal required | TC _c | $\text{Coal}_{req} \times \text{Coal}_{price}$ | Rs | 48,73,13,429.48 |
| Average energy cost for sent out energy | EC _{avg} | $(TC_c + \text{Oil}_c) / (E_g \times 10^6)$ | Rs/kWh | 3.66 |
| Monthly fuel cost adjustment for per unit of sent out energy | MFCA | $(EC_{avg} - EC_T - \text{Adhoc_F}_{cost}) \times 100$ | paise/kWh | 41.03 |

Applicable MFCA for February 2024 = 41 paise/kWh

* Fuel related cost payable for the preceding month has been taken based on presently approved road transportation cost and fuel cost to the extent bill received and verified.

While all other 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).

