

**THE WEST BENGAL POWER DEVELOPMENT CORPORATION LTD.**

**Monthly Fuel Cost Adjustment for the month of September-16**

Sl. No.	Particulars	Unit	KTPS	BkTPP (I to V))	BTPS	SANTALDIH (V & VI)	SAGARDIGHI	Overall
			Amount/Qty.	Amount/Qty.	Amount/Qty.	Amount/Qty.	Amount/Qty.	
1	<b>Normative Gross Generation</b>	MU	598.797	552.256	168.845	315.502	272.389	1907.788
2	<b>Auxiliary Consumption</b>							
	(i) Auxiliary Consumption Rate	%	9.60%	9.00%	9.70%	9.00%	9.00%	9.25%
	(ii) Auxiliary Consumption	MU	57.48	49.70	16.38	28.40	24.51	176.48
3	<b>Scheduled Injection</b>	MU	<b>541.31226</b>	<b>502.55253</b>	<b>152.46725</b>	<b>287.10654</b>	<b>247.87367</b>	1731.312
4	<b>Recommended Station Heat Rate</b>	KCAL/KWH	2700	2470	2725	2425	2345	<b>2539.47</b>
5	Total Heat Required	MKCAL	1616751	1364071	460103	765092	638751	4844769
6	<b>Oil Consumption</b>							
	(i) Specific Oil Consumption	ml/kwh	2.000	1.300	2.150	1.000	1.000	<b>1.50</b>
	(ii) Total Oil Consumption	KL	1197.594	717.932	363.017	315.502	272.389	2866.43
7	<b>Weighted Average GCV of Oil</b>	KCAL/LTR	<b>9529.31</b>	<b>9423.42</b>	<b>9399.26</b>	<b>9560.72</b>	<b>9501.73</b>	<b>9487.2</b>
8	Heat Generated from Oil	MKCAL	11412.24	6765.38	3412.09	3016.42	2588.16	27194
9	<b>Average price of Oil</b>	Rs./KL	<b>39265.33</b>	<b>40948.12</b>	<b>35950.58</b>	<b>61731.06</b>	<b>38840.32</b>	<b>41699.37</b>
10	Cost of Oil	Rs.	47023904.04	29397972.02	13050679.48	19476254.14	10579662.81	119528472
11	Heat Generated from Coal	MKCAL	1605338.99	1357305.79	456691.19	762075.18	636163.21	4817574
12	<b>Heat Value of Coal</b>	KCAL/KG	<b>2762.45</b>	<b>3190.40</b>	<b>4389.21</b>	<b>3536.73</b>	<b>3809.62</b>	<b>3226.62</b>
13	<b>Coal Consumption</b>							
	(i) Coal required	MT	581128.09	425434.15	104048.58	215474.34	166988.55	1493074
	(ii) Transit Loss	%	0.80%	0.50%	0.80%	0.80%	0.80%	0.72%
	(iii) Add: Transit Loss (Normative)	MT	4686.52	2137.86	839.10	1737.70	1346.68	10748
	(iv) Total Coal required (Normative)	MT	585814.61	427572.01	104887.68	217212.04	168335.23	1503822
	(v) Coal Rate	Kg/kwh	0.978	0.774	0.621	0.688	0.618	0.788
14	<b>Average price of Coal</b>	Rs./MT	<b>2896.83</b>	<b>3054.42</b>	<b>4262.35</b>	<b>2915.12</b>	<b>3635.96</b>	<b>3122.255</b>
15	Cost of Coal	Rs.	1697005845	1305982587	447068062	633198528	612059766	4695314787
16	Total Fuel Cost Allowable	Rs.	1744029749	1335380559	460118741	652674782	622639429	4814843260
17	<b>Fuel cost / unit sent out</b>	Rs./Kwh	<b>3.2219</b>	<b>2.6572</b>	<b>3.0178</b>	<b>2.2733</b>	<b>2.5119</b>	<b>2.7810</b>
18	<b>Fuel cost allowed</b>	Rs./Kwh	<b>2.4547</b>	<b>2.1633</b>	<b>2.7027</b>	<b>2.1705</b>	<b>2.1723</b>	<b>2.3044</b>
19	Fuel Surcharge required (Normative Fuel Cost - Fuel Cost allowed)	Rs./Kwh	<b>0.767</b>	<b>0.494</b>	<b>0.315</b>	<b>0.103</b>	<b>0.340</b>	<b>0.477</b>

**Note:** (i) The above computation of Coal Cost is based on purchase of Coal during August, 2016 in terms of Regulation 5.8.15 of Tariff Regulations.

(ii) The average price of oil is based on weighted average price of oil (opening Stock+Oil received during the period).