

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

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

Sl. No.	Particulars	Unit	KTPS	BkTTP (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	577.783	664.296	118.190	282.722	353.097	1996.088
2	<b>Auxiliary Consumption</b>							
	(i) Auxiliary Consumption Rate	%	9.60%	9.00%	9.70%	9.00%	9.00%	9.22%
	(ii) Auxiliary Consumption	MU	55.47	59.79	11.46	25.44	31.78	183.94
3	<b>Scheduled Injection</b>	MU	<b>522.31568</b>	<b>604.50967</b>	<b>106.72591</b>	<b>257.27690</b>	<b>321.31809</b>	1812.146
4	<b>Recommended Station Heat Rate</b>	KCAL/KWH	2700	2470	2725	2425	2345	<b>2523.19</b>
5	Total Heat Required	MKCAL	1560014	1640812	322069	685601	828012	5036507
6	<b>Oil Consumption</b>							
	(i) Specific Oil Consumption	m/kwh	2.000	1.300	2.150	1.000	1.000	<b>1.46</b>
	(ii) Total Oil Consumption	KL	1155.566	863.585	254.109	282.722	353.097	2909.08
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>9486.2</b>
8	Heat Generated from Oil	MKCAL	11011.74	8137.93	2388.44	2703.02	3355.03	27596
9	<b>Average price of Oil</b>	Rs./KL	<b>46280.69</b>	<b>45741.18</b>	<b>44418.83</b>	<b>61748.95</b>	<b>48082.09</b>	<b>47679.85</b>
10	Cost of Oil	Rs.	53480375.95	39501408.17	11287237.69	17457778.30	16977632.38	138704432
11	Heat Generated from Coal	MKCAL	1549001.89	1632674.04	319680.32	682897.50	824656.98	5008911
12	<b>Heat Value of Coal</b>	KCAL/KG	<b>2943.29</b>	<b>3543.16</b>	<b>3544.36</b>	<b>3567.85</b>	<b>4219.19</b>	<b>3421.08</b>
13	<b>Coal Consumption</b>							
	(i) Coal required	MT	526283.06	460795.98	90194.16	191403.29	195453.68	1464130
	(ii) Transit Loss	%	0.80%	0.50%	0.80%	0.80%	0.80%	0.71%
	(iii) Add: Transit Loss (Normative)	MT	4244.22	2315.56	727.37	1543.57	1576.24	10407
	(iv) Total Coal required (Normative)	MT	530527.28	463111.54	90921.54	192946.86	197029.92	1474537
	(v) Coal Rate	Kg/kwh	0.918	0.697	0.769	0.682	0.558	0.739
14	<b>Average price of Coal</b>	Rs./MT	<b>3046.12</b>	<b>3371.74</b>	<b>3494.79</b>	<b>2865.96</b>	<b>4070.86</b>	<b>3289.409</b>
15	Cost of Coal	Rs.	1616051923	1561493174	317751596	552977863	802080996	4850355551
16	Total Fuel Cost Allowable	Rs.	1669532299	1600994582	329038834	570435641	819058628	4989059983
17	<b>Fuel cost / unit sent out</b>	<b>Rs./Kwh</b>	<b>3.1964</b>	<b>2.6484</b>	<b>3.0830</b>	<b>2.2172</b>	<b>2.5491</b>	<b>2.7531</b>
18	<b>Fuel cost allowed</b>	<b>Rs./Kwh</b>	<b>2.4547</b>	<b>2.1633</b>	<b>2.7027</b>	<b>2.1705</b>	<b>2.1723</b>	<b>2.2817</b>
19	Fuel Surcharge required (Normative Fuel Cost - Fuel Cost allowed)	Rs./Kwh	<b>0.742</b>	<b>0.485</b>	<b>0.380</b>	<b>0.047</b>	<b>0.377</b>	<b>0.471</b>