

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LTD.

Monthly Fuel Cost Adjustment for the month of August-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	Normative Gross Generation	MU	506.394	651.799	166.811	177.294	327.844	1830.141
2	Auxiliary Consumption							
	(i) Auxiliary Consumption Rate	%	9.60%	9.00%	9.70%	9.00%	9.00%	9.23%
	(ii) Auxiliary Consumption	MU	48.61	58.66	16.18	15.96	29.51	168.92
3	Scheduled Injection	MU	457.77984	593.13682	150.63038	161.33730	298.33768	1661.222
4	Recommended Station Heat Rate	KCAL/KWH	2700	2470	2725	2425	2345	2530.13
5	Total Heat Required	MKCAL	1367263	1609943	454560	429937	768793	4630496
6	Oil Consumption							
	(i) Specific Oil Consumption	ml/kwh	2.000	1.300	2.150	1.000	1.000	1.49
	(ii) Total Oil Consumption	KL	1012.787	847.338	358.644	177.294	327.844	2723.91
7	Weighted Average GCV of Oil	KCAL/LTR	9529.31	9423.42	9399.26	9560.72	9501.73	9478.0
8	Heat Generated from Oil	MKCAL	9651.16	7984.82	3370.99	1695.06	3115.08	25817
9	Average price of Oil	Rs./KL	38806.49	40948.12	35950.58	61731.06	36509.69	40312.35
10	Cost of Oil	Rs.	39302722.38	34696909.19	12893449.13	10944530.17	11969467.39	109807078
11	Heat Generated from Coal	MKCAL	1357611.62	1601957.97	451189.12	428242.24	765678.17	4604679
12	Heat Value of Coal	KCAL/KG	3124.65	3654.58	5675.56	3542.26	3882.55	3624.50
13	Coal Consumption							
	(i) Coal required	MT	434484.90	438343.14	79496.91	120895.31	197210.05	1270430
	(ii) Transit Loss	%	0.80%	0.50%	0.80%	0.80%	0.80%	0.70%
	(iii) Add: Transit Loss (Normative)	MT	3503.91	2202.73	641.10	974.96	1590.40	8913
	(iv) Total Coal required (Normative)	MT	437988.82	440545.86	80138.01	121870.27	198800.46	1279343
	(v) Coal Rate	Kg/kwh	0.865	0.676	0.480	0.687	0.606	0.699
14	Average price of Coal	Rs./MT	3121.68	3440.07	5186.41	2888.68	3720.97	3431.583
15	Cost of Coal	Rs.	1367259732	1515509716	415628563	352044189	739730740	4390172940
16	Total Fuel Cost Allowable	Rs.	1406562454	1550206625	428522013	362988720	751700207	4499980019
17	Fuel cost / unit sent out	Rs./Kwh	3.0726	2.6136	2.8449	2.2499	2.5196	2.7088
18	Fuel cost allowed	Rs./Kwh	2.4547	2.1633	2.7027	2.1705	2.1723	2.2948
19	Fuel Surcharge required (Normative Fuel Cost - Fuel Cost allowed)	Rs./Kwh	0.618	0.450	0.142	0.079	0.347	0.414

Note: (i) The above computation of Coal Cost is based on purchase of Coal during July, 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).