

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LTD.

Monthly Fuel Cost Adjustment for the month of Decemebr-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	310.423	383.420	157.096	341.518	257.894	1450.351
2	Auxiliary Consumption							
	(i) Auxiliary Consumption Rate	%	9.60%	9.00%	9.70%	9.00%	9.00%	9.20%
	(ii) Auxiliary Consumption	MU	29.80	34.51	15.24	30.74	23.21	133.49
3	Scheduled Injection	MU	280.62200	348.91221	141.85730	310.78172	234.68377	1316.857
4	Recommended Station Heat Rate	KCAL/KWH	2700	2470	2725	2425	2345	2514.02
5	Total Heat Required	MKCAL	838141	947047	428085	828182	604762	3646218
6	Oil Consumption							
	(i) Specific Oil Consumption	ml/kwh	2.000	1.300	2.150	1.000	1.000	1.42
	(ii) Total Oil Consumption	KL	620.845	498.446	337.755	341.518	257.894	2056.46
7	Weighted Average GCV of Oil	KCAL/LTR	9529.31	9423.42	9399.26	9560.72	9501.73	9484.0
8	Heat Generated from Oil	MKCAL	5916.23	4697.07	3174.65	3265.16	2450.44	19504
9	Average price of Oil	Rs./KL	39239.08	40781.08	37998.16	61731.06	39182.71	43137.22
10	Cost of Oil	Rs.	24361391.11	20327166.12	12834085.83	21082291.41	10104994.56	88709929
11	Heat Generated from Coal	MKCAL	832224.70	942350.36	424910.78	824916.89	602311.57	3626714
12	Heat Value of Coal	KCAL/KG	3137.25	3630.72	4349.29	3582.36	4199.05	3640.44
13	Coal Consumption							
	(i) Coal required	MT	265272.29	259549.23	97696.59	230271.65	143440.03	996230
	(ii) Transit Loss	%	0.80%	0.50%	0.80%	0.80%	0.80%	0.73%
	(iii) Add: Transit Loss (Normative)	MT	2139.29	1304.27	787.88	1857.03	1156.77	7245
	(iv) Total Coal required (Normative)	MT	267411.58	260853.49	98484.47	232128.68	144596.81	1003475
	(v) Coal Rate	Kg/kwh	0.861	0.680	0.627	0.680	0.561	0.692
14	Average price of Coal	Rs./MT	3163.88	3440.71	4387.33	2935.33	4085.04	3435.782
15	Cost of Coal	Rs.	846057821	897521098	432084001	681375130	590683275	3447721324
16	Total Fuel Cost Allowable	Rs.	870419212	917848264	444918086	702457421	600788269	3536431253
17	Fuel cost / unit sent out	Rs./Kwh	3.1017	2.6306	3.1364	2.2603	2.5600	2.6855
18	Fuel cost allowed	Rs./Kwh	2.4547	2.1633	2.7027	2.1705	2.1723	2.2868
19	Fuel Surcharge required (Normative Fuel Cost - Fuel Cost allowed)	Rs./Kwh	0.647	0.467	0.434	0.090	0.388	0.399

Note: (i) The above computation of Coal Cost is based on purchase of Coal during April, 2016 to November, 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).