

Jharkhand State Electricity Regulatory Commission, Ranchi

Corrigendum

Date – 10.04.2019

Corrigendum to the order dated 08th March'19 for APNRL issued by the Commission in Case No. 05 of 2018

It has come to the notice of the Commission that there are typographical errors in Section B: Issues pertaining to MYT order for FY 2016-17 to FY 2020-21. The error occurred due to inclusion of percentage term twice against 9 for auxiliary consumption, which resulted in effectively taking an auxiliary consumption of 0.09%, instead of 9%. The Corrigendum to rectify the same is accordingly issued as under:

MYT for FY 2016-17 to FY 2020-21

Re-determination of Base Energy Charge Rate (ECR) on account of Coal GCV and Coal Prices for the MYT period

Revised ECR calculated is as given below

Revised Table 68: Approved Energy Charge Rate for Unit 1

Particulars	Uom	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Normative Aux Consumption	%	9	9	9	9	9
Heat Rate	kCal/kWh	2387	2387	2387	2387	2387
Specific Oil Consumption	ml/kWh	1.00	1.00	1.00	1.00	1.00
Calorific Value of Oil	kCal/L	9337	9337	9337	9337	9337
Weighted average cost of Oil	Rs/KL	42637	42637	42637	42637	42637
Weighted Average Calorific Value of Coal	kCal/kg	3419	3419	3419	3419	3419
Weighted Average cost of Coal (Inc transit loss)	Rs/Tonne	3298	3298	3298	3298	3298
Energy Charge rate	Rs/kWh	2.567	2.567	2.567	2.567	2.567

Revised Table 69: Approved Energy Charge Rate for Unit 2

Particulars	Uom	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Normative Aux Consumption	%	9	9	9	9	9
Heat Rate	kCal/kWh	2387	2387	2387	2387	2387
Specific Oil Consumption	ml/kWh	1.00	1.00	1.00	1.00	1.00

Particulars	Uom	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Calorific Value of Oil	kCal/Kg	9334	9334	9334	9334	9334
Weighted average cost of Oil	Rs/KL	45134	45134	45134	45134	45134
Weighted Average Calorific Value of Coal	kCal/kg	3419	3419	3419	3419	3419
Weighted Average cost of Coal (Inc transit loss)	Rs/Tonne	3298	3298	3298	3298	3298
Energy Charge rate	Rs/kWh	2.570	2.570	2.570	2.570	2.570

Re-determination of interest on working capital based on changes proposed above

Revised Table 77: Interest on Working Capital (Rs. Cr) approved by the Commission for Unit 1

Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Coal cost 1 month or max coal stock whichever is lower	38.42	38.42	38.42	38.42	38.42
Coal Cost for 1 months	38.42	38.42	38.42	38.42	38.42
Cost of secondary fuel oil for 2 months	1.43	1.43	1.43	1.43	1.43
Receivables for 2 months	141.47	140.24	139.06	137.91	136.80
O&M Expenses for 1 month	6.00	6.30	6.61	6.93	7.27
Maintenance Spares	14.40	15.11	15.86	16.64	17.46
Total Working Capital	240.15	239.92	239.79	239.76	239.80
Rate of Interest	12.80%	12.80%	12.80%	12.80%	12.80%
Interest on Working Capital	30.74	30.71	30.69	30.69	30.69

Revised Table 78: Interest on Working Capital (Rs Cr) approved by the Commission for Unit 2

Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Coal cost 1 month or max coal stock whichever is lower	38.42	38.42	38.42	38.42	38.42
Coal Cost for 1 months	38.42	38.42	38.42	38.42	38.42
Cost of secondary fuel oil for 2 months	1.51	1.51	1.51	1.51	1.51
Receivables for 2 months	142.52	141.27	140.04	138.86	137.70
O&M Expenses for 1 month	6.00	6.30	6.61	6.93	7.27
Maintenance Spares	14.40	15.11	15.86	16.64	17.46
Total Working Capital	241.28	241.04	240.86	240.79	240.79
Rate of Interest	12.80%	12.80%	12.80%	12.80%	12.80%
Interest on Working Capital	30.88	30.85	30.83	30.82	30.82

Revised AFC based on changes proposed above

Revised Table 91: Approved tariff for 13% of total net capacity for Unit 1 – fixed charges

Description	Derivation	Unit	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Gross Capacity	A	MW	270	270	270	270	270
Auxiliary Consumption	B	%	9	9	9	9	9
Net Capacity	$C = A \times (1-B)$	MW	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	$D = C \times 12\%$	MW	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	$E = C - D$	MW	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	Rs Cr	379.14	371.84	364.73	357.81	351.10
Annual Fixed Charges/MW	$G = F/E$	Rs Cr/ MW	1.75	1.72	1.69	1.65	1.62
13% of Net Capacity for supply to JUVNL at full tariff	$H = C \times 13\%$	MW	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	$I = G \times H$	Rs. Cr	56.01	54.93	53.88	52.86	51.87

Revised Table 92: Approved tariff for 13% of total net capacity for Unit 2 – fixed charges

Description	Derivation	Unit	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Gross Capacity	A	MW	270	270	270	270	270
Auxiliary Consumption	B	%	9	9	9	9	9
Net Capacity	$C = A \times (1-B)$	MW	245.70	245.70	245.70	245.70	245.70
12% of net capacity for supply to JUVNL at Energy Charge	$D = C \times 12\%$	MW	29.48	29.48	29.48	29.48	29.48
Remaining Capacity from which Fixed Charges are to be recovered	$E = C - D$	MW	216.22	216.22	216.22	216.22	216.22
Total Annual Fixed Charge	F	Rs Cr	384.99	377.47	370.13	362.98	356.04
Annual Fixed Charges/MW	$G = F/E$	Rs Cr/ MW	1.78	1.75	1.71	1.68	1.65
13% of Net Capacity for supply to JUVNL at full tariff	$H = C \times 13\%$	MW	31.94	31.94	31.94	31.94	31.94
AFC for 13% of Net Capacity	$I = G \times H$	Rs. Cr	56.87	55.76	54.68	53.62	52.60

Sd/-
(R.N.Singh)
Member (Technical)

Sd/-
(Dr. Arbind Prasad)
Chairperson