

Assumptions Technical

1. The auxiliary consumption is assumed as 6.5% for deriving gross generation, however, as both the PPAs are on Net MW basis, the changes in actual auxiliary consumption would not effect.

Assumptions- Tariff

FY 2018-19

TG -269.45 MW PPA

SL. No	Summary of Key Assumptions:
1	The applicable non escalable Tariff components for FY 2018-19 are considered
2	SBI TT Rates assumed as 64.00 for purpose of all calculations for conversion of USD component to Rupee terms
3	CERC Annual inflation rate from Apr 18 to Mar 19 considered as 10% on escalable component
4	CERC Escalation rate on domestic coal from Apr 18 to Mar 19 considered as 10.00% on escalable component
5	CERC Escalation rate on inland transportation from Apr 18 to Mar 19 considered as 10% on escalable component
6	CERC Escalation rates for H2 17-18 considered same as H1 2017-18 escalation rates
7	Reduced availability in Dec 17 & Dec 18 is on account of proposed Unit Overhaul / Annual Maintenance
8	The applicable non escalable Tariff components for FY 2018-19 are considered
9	Subject to above assumptions, the actuals may vary.
10	
11	PGCIL LTOA Charges considered basis Sep 2017 POC Charge for TG

TG-570 MW PPA

1. Fixed Charges are computed as per the terms of PSA for FY 2018-19
2. WPI escalation is computed based on Jan 2015 & Aug 2017 data (2011-12 Series)
3. Variable charges are considered based on 60:40 Fuel blend of Domestic and Imported for FY 18-19
(actuals may vary based on materialization of Domestic coal)
4. Domestic coal Fuel Charges applicable as on Sep 2017 is extended for the FY 2018-19
5. Imported Coal Fuel Charges for FY 2018-19 are computed based on forward rates (as on date) of coal and freight indices. The Indices and rates may vary as per actuals
6. The taxes and duties applicable as on date are extended for FY 2018-19
7. The Port Handling charges as on date are considered

The Fuel Charges may vary based on the actuals

The Fixed charges may vary based on actual WPI escalations

[illegible]

PPA -I (269.45 MW)

STATION NAME: Thermal Powertech Corporation India Limited, Nellore, Andhra Pradesh

MONTH	Contracted Capacity	AVAILABILITY IN MU	AVAILABILITY IN %	CUMULATIVE AVAILABILITY (%)	FIXED COST	FIXED COST	VARIABLE COST	INCENTIVE in Rs
	MUs	EX-BUS	FOR THE MONTH		IN Rs/kWh	IN RS. CRS	IN RS./Kwh	
30 Apr-18	194.00	194.00	100%	100%	1.738	28.66	1.897	72,75,150
31 May-18	200.47	200.47	100%	100%	1.740	29.65	1.908	75,17,655
30 Jun-18	194.00	194.00	100%	100%	1.741	28.71	1.918	72,75,150
31 Jul-18	200.47	200.47	100%	100%	1.743	29.70	1.930	75,17,655
31 Aug-18	200.47	200.47	100%	100%	1.745	29.73	1.941	75,17,655
30 Sep-18	194.00	194.00	100%	100%	1.747	28.81	1.952	72,75,150
31 Oct-18	200.47	200.47	100%	100%	1.749	29.80	1.963	75,17,655
30 Nov-18	194.00	194.00	100%	100%	1.751	28.87	1.975	72,75,150
31 Dec-18	200.47	155.36	78%	97%	1.753	29.87	1.986	(37,58,828)
31 Jan-19	200.47	200.47	100%	98%	1.754	29.89	1.998	75,17,655
28 Feb-19	181.07	181.07	100%	98%	1.756	27.03	2.010	67,90,140
31 Mar-19	200.47	200.47	100%	98%	1.758	29.96	2.021	75,17,655
						350.68	1.958	7,72,37,843

Incentive amount calc

100%	194.00	194.00	0.7275
100%	200.47	200.47	1.4793
100%	194.00	194.00	2.2068
100%	200.47	200.47	2.9586
100%	200.47	200.47	3.7103
100%	194.00	194.00	4.4378
100%	200.47	200.47	5.1896
100%	194.00	194.00	5.9171
97%	200.47	200.47	5.5412
98%	200.47	200.47	6.2930
98%	181.07	181.07	6.9720
98%	200.47	200.47	7.7238

PPA-II (570MW)
(FC)

Computation of Fixed Charges for ARR data submission

2011-12 Series	WPI	
Base Year		110.8
	Aug-17	114.8

	FY 2018-19	
% Increase	3.61%	
30% of WPI	1.08%	
Computation of FC for FY 18-19		
Running BFC for FY 17-18	2.5355	
2% reduction	2.4848	
30% WPI	2.5117	
FC for FY 18-19	2.5117	

PPA-II (570 MW)

(VC)

Computation of Fuel Charges for ARR data submission

(VC)

Ratio

60%

40%

UOM	Details	Q1-18-19	Q2-18-19	Q3-18-19	Q4-18-19
Index	NWC	94.85	90.15	85.85	85.85
USD/Ton	Bayan-Forward	53.48	51.04	48.80	48.80
Index	IFO 380	314.35	311.50	308.50	306.25
USD/Ton	Freight- IFO 380 Forward	6.69	6.67	6.66	6.64
USD/Ton	Landed Cost	60.17	57.71	55.46	55.45
Kcal/Kg	GCV	4,200	4,200	4,200	4,200
Kcal/kWh	SHR	2,350	2,350	2,350	2,350
Rs/USD	INR/USD	67.09	67.76	68.42	69.06
Rs/Ton	Taxes & Duties	601.85	595.55	589.75	593.39
Rs/Ton	Port Charges	410.00	410.00	410.00	410.00
Rs/Ton	Landed Cost in Rs	5,048.42	4,915.98	4,794.32	4,832.38
Rs/kWh	SRMC- Imported	2.825	2.751	2.683	2.704
Rs/kWh	SRMC-Domestic as on date	1.89	1.89	1.89	1.89
Rs/kWh	Fuel Charges	2.264	2.234	2.207	2.216
					2.2302