

**Pro-forma for furnishing Actual annual performance/operational data for the Hydro
Electric generating stations for year 2022-23**

	Particulars	Units	2022-23
1	Name of Company		NHPC Limited
2	Name of Station		Uri-I Power Station
3	Installed Capacity and Configuration	(MW)	480
3.1	Date of Commercial Operation - Unit Wise		Unit-I 01.06.1997 Unit-II 01.06.1997 Unit-III 01.06.1997 Unit-IV 01.06.1997
3.2	Effective COD		01.06.1997
4	Station Location	Under ground or Surface	Under Ground
5	Type of Excitation System		Static
6	Live Storage Capacity	(Million Cubic)	-
7	Rated Head	Metres	222.5
8	Head at Full Reservoir Level (FRL)	Metres	256.53
9	Head at Minimum Draw down Level (MDDL)	Metres	-
10	MW Capability at FRL	MW	480
11	MW Capability at MDDL	MW	
12	Cost of spares:		
12.1	Cost of spares capitalized in books of accounts	(Rs. Lakhs)	134.75
12.2	Cost of spares included in the capital cost for the purpose of tariff	(Rs. Lakhs)	
13	Generation :		
13.1	Actual Gross Generation at Generator Terminals	(MU)	2861.64
13.2	Actual Net Generation Ex-bus including free power	(MU)	2840.88
13.3	Scheduled generation Ex-bus including free power	(MU)	2673.74
14	Actual Auxiliary Energy Consumption excluding colony	(MU)	22.44
15	Actual Energy supplied to Colony from the station	(MU)	1.29
16	Average Declared Capacity (DC) during the year		
16.1	Actual Declared Capacity (DC) during the year	(MW)	432.79
16.2	Deemed Declared Capacity	(MW)	0.00
16.3	Actual energy supplied for beneficiaries	(MU)	2673.74
16.4	Actual energy supplied in DSM	(MU)	167.15
16.5	Actual energy supplied in exchange	(MU)	0.00
17	Weighted Average duration of outages (Unit-wise details)		
17.1	Scheduled outages	(Days)	AS PER APPENDIX-A
17.2	Forced outages	(Days)	
17.2a	Within the control of generator		
17.2b	Beyond the control of generator		0
17.2c	Shortfall in energy claimed / allowed		
18	Cost of spares actually consumed	(Rs. Lakhs)	337.93
19	Average stock of spares	(Rs. Lakhs)	3801.15

Month wise Design Energy

Month	Period	Design Energy as approved by CEA (MU)	Month	Period	Design Energy as approved by CEA (MU)
April	1-10	109.44	October	1-10	48.64
	11-20	109.44		11-20	37.45
	21-30	109.44		21-31	31.60
May	1-10	109.44	November	1-10	25.26
	11-20	109.44		11-20	23.68
	21-31	120.38		21-30	23.28
June	1-10	109.44	December	1-10	22.59
	11-20	109.44		11-20	22.59
	21-30	109.44		21-31	26.21
July	1-10	109.44	January	1-10	25.96
	11-20	109.44		11-20	24.12
	21-31	120.38		21-31	31.00
August	1-10	109.44	February	1-10	47.80
	11-20	91.84		11-20	46.56
	21-31	101.35		21-28	38.73
September	1-10	85.55	March	1-10	62.71
	11-20	67.02		11-20	85.40
	21-30	56.67		21-31	116.77
			Total		2587.38

Storage Hydro plants shall also furnish actual monthly average peaking generation in MW achieved during the period 2017-18 to 2022-23 against the monthly average peaking capability approved by CEAs per following format:

Month	Expected Avg. of daily 3-hour peaking capacity as approved by CEA	Actual monthly average of daily 3-hour peaking (MW) for the period 2017-18 to 2022-23
April	Not Applicable	
May		
June		
July		
August		
September		
October		
November		
December		
January		
February		
March		

Annexure-III

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- 1 List of beneficiaries/customers along with allocation by Gol including (allocation of unallocated share) / capacity as contracted should also be furnished separately for each generating station.

As per **Appendix-B**

- 2 Declared Capacity should be as per Regulation CERC Tariff Regulations for the period including month wise information may be furnished.
- 3 Any relevant point or a specific fact having bearing on performance or operating parameters may also be highlighted or brought to the notice of the Commission.

Month wise Design Energy (Post R&M)
NA

PLANT AVAILABILITY/SCHEDULED PLANT LOAD FACTOR ACHIEVED		
Generating company: NHPC LTD.		
Name of Generating station: URI Power Station		
Installed Capacity (MW) : 480 MW		
Normative Annual Plant Availability Factor (%) approved by Commission :		
1. 2014-19: 70%		
2. 2019-24: 74%		
Plant Availability Factor Achieved (%)		
Month	2022-23	Reasons for shortfall in PAF achieved vis-a-vis NAPAF
April	101.43	
May	102.27	
June	102.27	
July	101.38	
August	99.76	
September	100.34	
October	101.08	
November	87.72	
December	63.86	
January	56.64	
February	77.78	
March	100.16	
Annual	91.26	
Plant Load Factor Achieved (%)		
Month	2022-23	Reasons for shortfall in PLF achieved vis-a-vis Target PLF
April	Not Applicable	
May		
June		
July		
August		
September		
October		
November		
December		
January		
February		
March		
Annual		

Name of the Utility		NHPC Limited	
Name of the Generating Station		URI Power Station	
Station/ Stage/ Unit		4 x 120 MW	
Fuel Type (Coal/ Lignite/ Gas/ Liquid Fuel/ Nuclear/ Hydro)		Hydro	
Capacity of Plant (MW)		480 MW	
COD		01.06.1997	
		Unit	2022-23
1	Plant Availability Factor (PAF) (%)	%	91.26
2	Plant Load Factors (PLF)	%	
3	Scheduled Energy	MU	2673.7
4	Scheduled Generation	MU	
5	Actual Generation	MU	2861.6
	Actual Generation (Ex-bus)		2840.88
	Actual energy supplied to beneficiaries		2673.74
6	Quantum of coal consumption	MT	
7	Value of coal	Rs. Lakh	
8	Specific Coal Consumption	kg/kWh	
9	Gross Calorific Value of Coal	Kcal / Kg	
10	Heat Contribution of Coal	Kcal / kwh	
11	Cost Of Specific Coal Consumption – Finally admitted by CERC	Rs./kWh	
12	Quantum of Oil Consumption	KL	
13	Value of Oil	Rs. Lakh	
14	Gross calorific value of oil	kcal/lit	
15	Specific Oil Consumption	ml/kWh	
16	Cost Of Specific Oil Consumption – Finally admitted by CERC	Rs./kWh	
17	Heat Contribution of Oil	Kcal / kWh	
18	Station Heat Rate	Kcal / kWh	
19	Auxiliary Energy Consumption	%	0.78
20	Debt at the end of the year	Rs. Crore	
21	Equity - Average	Rs. Crore	
22	Working Capital – finally admitted by CERC	Rs. Crore	
23	Capital cost – finally admitted by CERC	Rs. Crore	
24	Capacity Charges/ Annual Fixed Cost (AFC)		
	(a) Return on equity – Post tax (admitted by CERC upto 2009) and Pre tax post 2009		
	Absolute value	Rs. Crore	
	Rate	%	
	(b) interest on Loan		
	Absolute value	Rs. Crore	
	Rate (%) – Weighted Average Rate	%	
	(c) Depreciation (finally allowed by CERC)		
	Absolute value	Rs. Crore	
	AAD		
	Rate	%	
	(d) Interest on working Capital		
	Absolute value	Rs. Crore	
	Rate (%)	%	
	(e) Operation and maintenance cost (finally admitted by CERC)		
	Absolute value	Rs. Crore	
	Rate (%)	%	
	(f) Compensation Allowances		
	(g) Special Allowance		
	(h) Supplementary Tariff - Emission Control		
	Absolute value	Rs. Crore	
	Rate (%)	%	
	(i) Ash Utilization Expenses	Rs. Crore	
25	AFC	Rs./ kWh	
26	Energy Charge	Rs./ kWh	
27	Total tariff	Rs./ kWh	
28	Revenue realisation before tax	Rs. Crore	648.15
29	Revenue realisation after tax	Rs. Crore	
30	Profit/ loss	Rs. Crore	356.92
31	DSM Generation	MU	167.15
32	DSM Rate	Rs./ kWh	
33	Revenue from DSM	Rs. Crore	23.29
34	Compensation received for operation below NAPAF		
35	Part Load Compensation received from beneficiaries		
36	Amount received from SCED	Rs. Crore	

Note:**Tariff order for period 2019-22, yet to be issued by CERC.**

Generating Companies are required to submit data for all generating stations.

This is a general format. Plants of different fuel users have to fill the cells as applicable to them.

Tariff for the Hydro may be understood as composite tariff.

The data provided for the corresponding years need to mention as Actual or provisional.

Data for each Unit and Stage is required to be submitted in additional sheets as per the format.

Note:-

Data at Sl. No. 20 to 27 for the period 2004-09:- are based on CERC tariff order dtd. 13.07.2016 in Tariff Petition 238/GT/2014 as well as tariff order dtd. 05.01.2010 in Petition

Data at Sl. No. 20 to 27 for the period 2009-14 :- are based on CERC tariff order dtd.

Data at Sl. No. 20 to 27 for the period 2014-19 :- are based on CERC tariff order dtd.

Data at Sl. No. 20 to 27 for the period 2019-22 :- Tariff order yet to be issued by CERC.

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Free Power