

**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY**  
**COMMISSION, NEW DELHI.**

**IN THE MATTER OF**

Compliance of Regulation 3 (**Submission of Information**) of Central Electricity Regulatory Commission (Procedures for calculating the expected revenue from tariffs and charges) Regulations, 2010

**AND IN THE MATTER OF**

NHPC Limited.

(A Govt. of India Enterprise)

NHPC Office Complex,

Sector – 33,

Faridabad – 121 003.

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**NHPC Limited.**  
**Through**



**(A.K.Pandey)**  
**Chief Engineer (Comml.)**

**Place : Faridabad**

**Date : 27.11.2015**



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Regn. No

Date...

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**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY  
COMMISSION, NEW DELHI.**

**IN THE MATTER OF**

Compliance of Regulation 3 (**Submission of Information**) of Central Electricity Regulatory Commission (Procedures for calculating the expected revenue from tariffs and charges) Regulations, 2010

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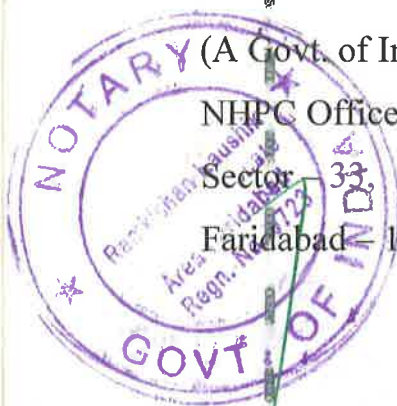
NHPC Limited.

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## AFFIDAVIT VARIFYING THE DATA / INFORMATION

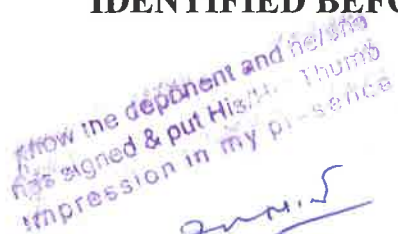
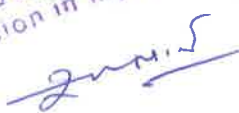
I, Ashok Kumar Pandey S/o Late Sh. P. N. Pandey aged 56 years working as Chief Engineer (Commercial) in NHPC Ltd., the applicant in the above matter do solemnly affirm and state as follows:-

1. That I am working as Chief Engineer (Commercial) in NHPC Ltd., and am well acquainted with the facts of the above matter.
2. That the Hon'ble Commission through its notification, CERC (Procedure for calculating the expected revenue from tariffs and charges) Regulations, 2010 has directed to submit the data / information pertaining to expected revenue from Tariff & Charges by 30th November every year. In compliance to the directions of the Commission, the requisite information is appended herewith as Annexure-A.
3. The information provided herein are true to my knowledge and belief and are based on documents / records available.

Solemnly affirmed at Faridabad on the 27<sup>th</sup> day of November, 2015 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed therefrom.

  
DEPONENT

IDENTIFIED BEFORE ME

NOTARIES IDENTIFIED



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**Information in respect of Expected Revenue from Tariff and Charges**

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# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Bairasiul Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	88.1	98.4	84.7	89.2
1b	Actual/Expected Auxiliary Energy Consumption	%	2.4	2.0	2.0	1.0
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	58.30	34.49	29.40	66.73
2b	Actual/Expected recovery of Return on Equity	₹ Cr	17.28	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.00
3	Actual/Expected Scheduled generation	MU	755.83	542.82	214.24	771.12
4	Actual/Expected energy rate	Paisa/kWh	87.80	93.00	93.00	98.40
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	58.40	44.41	17.55	66.77
6a	Actual UI generation	MU	23.44	14.70	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	7.70	3.61	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamara-I Power Sattions whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Loktak Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	89.9	91.8	88.2	85.2
1b	Actual/Expected Auxiliary Energy Consumption	%	2.9	2.4	2.4	1.0
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	67.53	36.39	34.93	72.86
2b	Actual/Expected recovery of Return on Equity	₹ Cr	15.95	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.01
3	Actual/Expected Scheduled generation	MU	353.54	246.79	194.09	443.69
4	Actual/Expected energy rate	Paisa/kWh	163.50	173.00	173.00	182.50
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	50.87	37.57	29.55	71.23
6a	Actual UI generation	MU	6.95	1.91	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	0.90	0.65	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Salal Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	67.4	94.2	39.4	59.8
1b	Actual/Expected Auxiliary Energy Consumption	%	0.7	0.6	0.6	1.0
2a	Actual/Expected recovery of Capacity Charge Including Incentive	₹ Cr	152.15	110.98	44.77	147.99
2b	Actual/Expected recovery of Return on Equity	₹ Cr	45.68	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	14.74	0.00	10.13	10.00
3	Actual/Expected Scheduled generation	MU	3396.32	2612.09	657.53	3257.10
4	Actual/Expected energy rate	Paisa/kWh	50.50	52.70	52.70	55.20
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	135.59	120.50	21.00	148.21
6a	Actual UI generation	MU	98.38	67.03	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	29.43	14.74	Can't be estimated	

## Note:

1. Availability at sl. no 1a. Is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxiliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Tanakpur Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	64.5	89.1	48.6	60.0
1b	Actual/Expected Auxiliary Energy Consumption	%	2.0	1.6	1.6	1.0
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	53.11	36.68	19.80	46.86
2b	Actual/Expected recovery of Return on Equity	₹ Cr	-27.13	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	1.91	2.58
3	Actual/Expected Scheduled generation	MU	424.73	305.24	166.56	480.27
4	Actual/Expected energy rate	Paisa/kWh	114.90	114.90	114.90	114.90
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	44.43	31.45	13.81	45.26
6a	Actual UI generation	MU	14.66	12.26	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	5.34	3.36	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.

2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.

3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.

4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.

5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamara-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.

6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.

7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17






## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Chamera-I Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	96.4	100.4	86.0	90.0
1b	Actual/Expected Auxiliary Energy Consumption	%	0.8	0.7	0.7	1.2
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	155.67	84.08	71.51	159.71
2b	Actual/Expected recovery of Return on Equity	₹ Cr	133.18	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	68.67	0.00	66.02	63.89
3	Actual/Expected Scheduled generation	MU	2516.78	2091.38	386.83	2451.23
4	Actual/Expected energy rate	Paisa/kWh	100.40	104.20	104.20	107.90
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	145.30	150.38	0.42	156.16
6a	Actual UI generation	MU	37.02	31.25	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	16.20	9.31	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Sattions whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17




# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

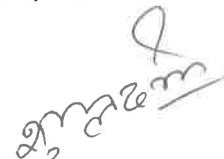
Name of Plant: Uri Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	79.5	96.9	55.9	70.0
1b	Actual/Expected Auxiliary Energy Consumption	%	1.1	1.0	1.0	1.2
2a	Actual/Expected recovery of Capacity Charge Including Incentive	₹ Cr	205.70	125.29	70.78	180.84
2b	Actual/Expected recovery of Return on Equity	₹ Cr	202.88	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	31.36	0.00	15.49	4.38
3	Actual/Expected Scheduled generation	MU	3009.95	1883.99	890.99	2618.20
4	Actual/Expected energy rate	Paisa/kWh	80.50	80.50	80.50	80.50
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	181.09	132.91	48.18	181.09
6a	Actual UI generation	MU	79.78	46.64	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	24.25	10.40	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxiliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17




# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Rangit Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	92.3	98.8	83.5	90.0
1b	Actual/Expected Auxilliary Energy Consumption	%	1.6	1.0	1.0	1.0
2a	Actual/Expected recovery of Capacity Charge including Incentive	₹ Cr	43.91	23.49	19.58	42.82
2b	Actual/Expected recovery of Return on Equity	₹ Cr	26.44	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.06
3	Actual/Expected Scheduled generation	MU	310.73	203.27	128.67	336.00
4	Actual/Expected energy rate	Paisa/kWh	145.20	145.20	145.20	145.20
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	39.70	25.97	16.44	42.83
6a	Actual UI generation	MU	9.75	5.90	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	4.13	1.66	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxilliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamara-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

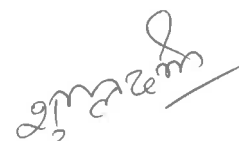
Name of Plant: Chamera-II Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	95.4	99.0	86.6	90.0
1b	Actual/Expected Auxillary Energy Consumption	%	0.9	0.7	0.7	1.2
2a	Actual/Expected recovery of Capacity Charge Including Incentive	₹ Cr	189.49	98.27	85.37	182.66
2b	Actual/Expected recovery of Return on Equity	₹ Cr	119.19	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.60	0.00
3	Actual/Expected Scheduled generation	MU	1467.79	1179.07	310.35	1440.50
4	Actual/Expected energy rate	Paisa/kWh	137.00	137.00	137.00	137.00
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	176.53	141.55	37.11	173.67
6a	Actual UI generation	MU	26.16	23.74	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	9.02	5.63	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxillary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxillary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxillary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except In case of Balrasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been Issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17




# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Dhauliganga Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	51.5	88.9	83.0	90.0
1b	Actual/Expected Auxiliary Energy Consumption	%	1.2	1.4	1.4	1.2
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	81.99	70.76	65.90	143.29
2b	Actual/Expected recovery of Return on Equity	₹ Cr	-33.84	0.00		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.02
3	Actual/Expected Scheduled generation	MU	720.20	848.52	252.45	1121.38
4	Actual/Expected energy rate	Paisa/kWh	145.30	145.30	145.30	145.30
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	91.84	108.23	32.54	143.34
6a	Actual UI generation	MU	14.41	20.33	Not predictable	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	-1.86	5.03	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxiliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17. .
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Balrasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17




## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

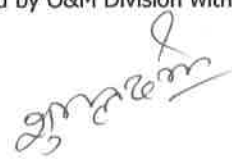
Name of Plant: Dulhasti Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	95.3	100.3	84.8	90.0
1b	Actual/Expected Auxiliary Energy Consumption	%	1.0	0.9	0.9	1.2
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	540.36	284.41	244.24	521.73
2b	Actual/Expected recovery of Return on Equity	₹ Cr	400.53	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	17.38	0.00	29.14	21.38
3	Actual/Expected Scheduled generation	MU	2109.67	1601.38	650.49	2153.84
4	Actual/Expected energy rate	Paisa/kWh	307.90	307.90	307.90	307.90
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	510.45	432.79	77.36	510.45
6a	Actual UI generation	MU	46.38	19.51	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	13.01	4.50	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairaasil, Loktak, Salal & Chamara-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17






# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Teesta-V Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	93.5	94.8	87.1	88.0
1b	Actual/Expected Auxillary Energy Consumption	%	1.1	1.0	1.0	1.2
2a	Actual/Expected recovery of Capacity Charge Including Incentive	₹ Cr	287.67	144.32	132.80	267.59
2b	Actual/Expected recovery of Return on Equity	₹ Cr	217.56	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.21
3	Actual/Expected Scheduled generation	MU	2494.69	1791.78	721.86	2544.45
4	Actual/Expected energy rate	Paisa/kWh	116.90	116.90	116.90	116.90
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	256.63	184.10	74.48	261.48
6a	Actual UI generation	MU	67.78	63.04	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	24.96	16.49	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxillary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxillary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxillary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Balrasiul, Loktak, Salal & Chamara-I Power Stations whose tariff orders for 2014-19 have already been Issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Sewa-II Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	97.1	101.8	88.1	90.0
1b	Actual/Expected Auxiliary Energy Consumption	%	1.7	1.3	1.3	1.0
2a	Actual/Expected recovery of Capacity Charge including Incentive	₹ Cr	113.56	59.53	51.15	99.47
2b	Actual/Expected recovery of Return on Equity	₹ Cr	23.95	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	1.90	0.00	4.58	4.69
3	Actual/Expected Scheduled generation	MU	557.02	406.18	180.56	588.06
4	Actual/Expected energy rate	Paisa/kWh	216.40	216.40	216.40	216.40
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	99.44	75.82	23.62	99.44
6a	Actual UI generation	MU	30.40	28.52	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	10.93	7.09	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.

2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxiliary consumption approved by CERC.

3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.

4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.

5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.

6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.

7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Chamera-III Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015- 16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	95.3	96.6	91.0	90.0
1b	Actual/Expected Auxiliary Energy Consumption	%	0.9	0.7	0.7	1.2
2a	Actual/Expected recovery of Capacity Charge Including incentive	₹ Cr	226.87	114.90	107.59	202.29
2b	Actual/Expected recovery of Return on Equity	₹ Cr	94.98	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.00
3	Actual/Expected Scheduled generation	MU	994.76	839.99	242.33	1085.84
4	Actual/Expected energy rate	Paisa/kWh	212.30	212.30	212.30	212.30
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	183.22	154.44	45.47	200.56
6a	Actual UI generation	MU	18.46	17.66	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	7.99	5.12	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairaasil, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17




# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Chutak Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	58.7	43.7	44.5	50.0
1b	Actual/Expected Auxiliary Energy Consumption	%	5.8	7.1	7.1	6.0
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	62.52	22.32	30.07	62.43
2b	Actual/Expected recovery of Return on Equity	₹ Cr	21.27	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.00
3	Actual/Expected Scheduled generation	MU	182.49	78.65	61.57	180.80
4	Actual/Expected energy rate	Paisa/kWh	341.60	341.60	341.60	341.60
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	54.23	23.37	18.30	53.73
6a	Actual UI generation	MU	NO UI ENERGY DUE TO OPERATION OF UNITS IN ISOLATION MODE			
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	0.00	0.00	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as endorsed by PDD, J&K. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as per petition filed in CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (including deemed generation) (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. Actual generation during the year 2014-15 includes deemed generation of 147.3 MU & actual generation during the year 2015-16 (upto Sept'2015) includes deemed generation of 69.1 MU.
6. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Sattions whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
7. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
8. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: TLDP-III Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	72.0	89.9	82.9	78.0
1b	Actual/Expected Auxiliary Energy Consumption	%	5.4	1.5	1.5	1.0
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	152.69	94.92	87.13	180.23
2b	Actual/Expected recovery of Return on Equity	₹ Cr	2.15	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.03
3	Actual/Expected Scheduled generation	MU	381.47	359.70	223.64	588.46
4	Actual/Expected energy rate	Paisa/kWh	309.70	309.70	309.70	309.70
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	116.96	110.29	68.56	180.33
6a	Actual UI generation	MU	7.04	12.16	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	1.19	2.85	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxiliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17




## Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Nimoo Bazgo Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	78.10	99.09	40.59	65.00
1b	Actual/Expected Auxiliary Energy Consumption	%	7.08	5.25	5.25	9.00
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	90.33	45.17	45.16	90.19
2b	Actual/Expected recovery of Return on Equity	₹ Cr	0.85	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.00
3	Actual/Expected Scheduled generation	MU	223.28	176.99	68.19	230.77
4	Actual/Expected energy rate	Paisa/kWh	438.20	438.20	438.20	438.20
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	85.12	67.48	22.85	87.98
6a	Actual UI generation	MU	NO UI ENERGY DUE TO OPERATION IN ISOLATED MODE			
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	0.00	0.00	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as endorsed by PDD, J&K. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxiliary Consumption (%) for ensuing year 2016-17 has been taken as per petition filed in CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (including deemed generation) (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. Actual generation during the year 2014-15 includes deemed generation of 154.6 MU & actual generation during the year 2015-16 (upto Sept'2015) includes deemed generation of 147.3 MU.
6. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
7. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
8. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17






# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Uri-II Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	59.4	46.2	65.9	55.1
1b	Actual/Expected Auxiliary Energy Consumption	%	0.5	0.4	0.4	1.2
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	182.86	71.12	98.25	169.29
2b	Actual/Expected recovery of Return on Equity	₹ Cr	36.12	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	3.86	0.00	0.00	7.83
3	Actual/Expected Scheduled generation	MU	1162.55	424.07	429.33	1210.30
4	Actual/Expected energy rate	Paisa/kWh	175.30	175.30	175.30	175.30
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	169.33	64.48	65.67	169.33
6a	Actual UI generation	MU	19.57	5.31	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	6.44	1.32	Can't be estimated	

## Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Balrasiul, Loktak, Salal & Chamera-I Power Sattions whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17

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# Procedures for calculating the expected revenue from tariff and charges Regulations, 2010

FORM NO 2: Hydro

Name of Utility: NHPC Ltd.

Name of Plant: Parbati-III Power Station

Stage:

Sl. No.	Particulars	Units	Previous Year (2014- 15)	Current year 2015-16 (Apr-Sep)	Current year 2015-16 (Oct-Mar)	Ensuing Year (2016-17)
1a	Actual/Expected Availability	%	33.9	62.9	39.3	60.0
1b	Actual/Expected Auxilliary Energy Consumption	%	0.8	0.4	0.4	1.2
2a	Actual/Expected recovery of Capacity Charge including incentive	₹ Cr	98.75	88.55	58.72	191.47
2b	Actual/Expected recovery of Return on Equity	₹ Cr	-22.25	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design energy)	₹ Cr	0.00	0.00	0.00	0.00
3	Actual/Expected Scheduled generation	MU	648.11	566.21	129.66	692.59
4	Actual/Expected energy rate	Paisa/kWh	317.60	317.60	317.60	317.60
5	Actual/Expected recovery of Energy Charges (for energy up to design energy)	₹ Cr	178.75	155.70	35.78	191.37
6a	Actual UI generation	MU	7.98	6.31	Can't be estimated	
6b	Actual UI rate	Paisa/kWh				
6c	Actual revenue from UI	₹ Cr	1.31	1.13	Can't be estimated	

**Note:**

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The actual PAF for the period April'15 to Sept'15 is as per REA published by respective RPCs. The Expected PAF for period 2015-16 (Oct to March) has been calculated based on actual PAF for Oct'15 and for period Nov'15 to Mar'16, PAF have been calculated based on expected Annual Maintenance period of Pondage /ROR type Power Stations.
2. Expected Auxilliary Consumption(%) values at sl. no. 1b. for Oct to March 2015-16 have been taken as same as actual values of Current year (Apr-Sep). Auxilliary Consumption (%) for ensuing year 2016-17 has been taken as Normative auxilliary consumption approved by CERC.
3. The Expected Scheduled energy at sl. no. 3. for Oct to March 2016 & 2016-17 are based RE 2015-16 and BE 2016-17.
4. The expected PAF(%) and Scheduled Energy (MU) for ensuing year 2016-17 has been taken from data submitted to CEA for finalization of MOU for 2016-17.
5. AFC of Power Stations have been taken as per CERC tariff orders for 2013-14 except in case of Bairasiul, Loktak, Salal & Chamera-I Power Stations whose tariff orders for 2014-19 have already been issued by CERC. The AFC has been grossed up on MAT of 2013-14.
6. Actual recovery of ROE is after taking into account a) under recovery in AFC & b) under recovery in O&M expenses for F.Y. 2014-15.
7. The expected revenue for the period from Oct-2015 to Mar-2016 & year 2016-17 is based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy for RE 2015-16 & BE 2016-17