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हरियाणा HARYANA

25 NOV 2011

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Handwritten signature and date: 25/11/2011

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

IN THE MATTER OF

COMPLIANCE WITH CLAUSE 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.

Handwritten signature of the deponent

DEPONENT

287

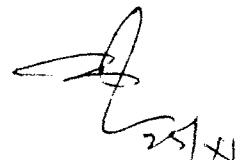
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AFFIDAVIT VARIFYING THE DATA / INFORMATIONS

I, Ravinder Raina S/o Late Sh. M. L. Raina aged 51 years working as Chief Engineer (Comml.) in NHPC Ltd., the applicant in the above matter do solemnly affirm and state as follows that:-

1. I am working as Chief Engineer (Comml.) in NHPC Ltd., and am well acquainted with the facts of the above matter.
2. 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 September every year. In compliance to the directions of the Commission, the requisite information is appended herewith as **Annex-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 day of 25th November, 2011 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

ATTEST

NOTIFIED

NO.

NOV 2011

Annex-A

Information in respect of Expected Revenue from Tariff and Charges

SL. NO.	NAME OF STATION	PAGE NO
1	BAIRA SIUL	1
2	SALAL	2
3	TANAKPUR	3
4	CHAMERA-I	4
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Procedures for calculating the expected revenue from tariffs and charges Regulations, 2010

Form No. 2: Hydro

Name of Utility:

NHPC LTD

(A) Name of Plant:

Barasiul Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	94.99	98.52	87.63	91.06
1b	Actual/Expected Auxiliary Energy Consumption	%	1.44	1.76	1.76	1.76
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	29.62	26.95	23.97	52.27
2b	Actual/Expected recovery of Return on Equity	Rs Cr	-2.1	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	0	1.44	0.02	0.26
3	Actual/Expected Scheduled generation	MU	698.67	508.66	196.02	778
4	Actual/Expected energy Rate	Paise/kWh	38.90	68.30	68.30	71.60
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	23.92	40.78	11.75	48.76
6a	Actual UI generation	MU	1.87	0.49	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	11.77	11.53	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAF
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charges for J&K Power Stations.

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

Form No. 2: Hydro

Name of Utility: NHPC LTD
 (B) Name of Plant: Salal Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	63.1	84.62	37.05	59.52
1b	Actual/Expected Auxiliary Energy Consumption	%	-0.37	-0.61	-0.61	-0.61
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	92.87	82.2	35.98	119.44
2b	Actual/Expected recovery of Return on Equity	Rs Cr	-52.16	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	5.53	7.93	0.18	1.29
3	Actual/Expected Scheduled generation	MU	3242.35	2413.09	680.97	3084
4	Actual/Expected energy Rate	Paise/kWh	32.90	43.40	43.40	44.8
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	88.34	84.23	25.84	120.29
6a	Actual UI generation	MU	-0.27	2.53	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	10.51	2.59	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
 2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
 3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
 4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
 5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11.
 6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to P/
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes water Usage Charges in r/o J&K Power Stations.

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

Form No. 2: Hydro

Name of Utility:

NHPC LTD

(C) Name of Plant:

Tanakpur Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	62.59	82.14	52.5	63.01
1b	Actual/Expected Auxiliary Energy Consumption	%	1.22	1.01	1.01	1.01
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	26.85	30.29	19.37	48.46
2b	Actual/Expected recovery of Return on Equity	Rs Cr	-3.43	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	1.19	2.18	0.56	0.3
3	Actual/Expected Scheduled generation	MU	458.05	309.93	169.81	452
4	Actual/Expected energy Rate	Paise/kWh	59.90	103.00	103.00	107.2
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	23.6	25.69	14.69	42.23
6a	Actual UI generation	MU	1.33	0.18	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	2.34	1.05	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13
5. Actual recovery of ROE is after taking into account 1 under recovery in AFC & 2 under recovery in O&M expenses for FY 2010-11
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes water usage Charges in /o I&E Power Stations

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

Form No. 2: Hydro

Name of Utility: NHPC LTD
(D) Name of Plant: Chamera-I Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	99.17	100.31	96.7	97.71
1b	Actual/Expected Auxiliary Energy Consumption	%	-0.01	0.09	0.09	0.09
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	110.55	71.18	68.61	142.16
2b	Actual/Expected recovery of Return on Equity	Rs Cr	63.26	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	46.51	63.08	2.8	20.3
3	Actual/Expected Scheduled generation	MU	2407.54	2136.67	492.72	1932.96
4	Actual/Expected energy Rate	Paise/kWh	69.30	88.30	88.30	90.5
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	100.29	96.35	35.2	130.97
6a	Actual UI generation	MU	0.66	12.51	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	22.09	13.49	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for FY 2010-11
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charges in J&K Power Stations.

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

Form No. 2: Hydro

Name of Utility: NHPC LTD
 (E) Name of Plant: Uri Power Station
 Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	82.14	92.3	54.25	72.49
1b	Actual/Expected Auxiliary Energy Consumption	%	0.43	0.22	0.22	0.22
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	187.75	126.4	74.31	201.58
2b	Actual/Expected recovery of Return on Equity	Rs Cr	160.67	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	25.28	7.62	2.65	1.94
3	Actual/Expected Scheduled generation	MU	3027.25	1786.25	775.88	2586
4	Actual/Expected energy Rate	Paise/kWh	61.00	73.10	73.10	74.2
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	137.22	107.33	47.27	166.92
6a	Actual UI generation	MU	-0.53	0.98	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	11.29	3.18	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F Y 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charges in the J&K Power Stations

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

Form No. 2: Hydro

Name of Utility: NHPC LTD
(F) Name of Plant: Chamera-II Power Station

Stage:						
S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	94.99	96.37	95.84	97.81
1b	Actual/Expected Auxiliary Energy Consumption	%	0.22	0.17	0.17	0.17
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	184.05	93.37	86.4	171.1
2b	Actual/Expected recovery of Return on Equity	Rs Cr	45.88	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	0	8.95	1.99	1.2
3	Actual/Expected Scheduled generation	MU	1435.14	1175.93	398.51	1499
4	Actual/Expected energy Rate	Paise/kWh	133.70	133.70	133.70	120.7
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	30.27	129.04	40.98	157.4
6a	Actual UI generation	MU	1.16	2.11	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	9.03	2.81	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Shedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charges in the J&K Power Stations.
8. AFC for tariff period 2009-14 is yet to be approved by CERC, therefore Energy Charge Rate for 2010-11 and 2011-12 are as per rate of 2008-09 and for 2012-13 is as per 90% of AFC claimed in

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

Form No. 2: Hydro

Name of Utility: NHPC LTD
(G) Name of Plant: Dhauliganga Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	92.08	99.34	87.62	92.74
1b	Actual/Expected Auxiliary Energy Consumption	%	1.2	1.21	1.21	1.21
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	96.65	78.93	69.64	147.64
2b	Actual/Expected recovery of Return on Equity	Rs Cr	70.75	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	0	3.45	0.28	0.84
3	Actual/Expected Scheduled generation	MU	1119.74	880.21	263.18	1133
4	Actual/Expected energy Rate	Paise/kWh	90.50	136.90	136.90	137.1
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	89.16	100.37	31.22	135.25
6a	Actual UI generation	MU	1.08	2.05	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	10.48	2.46	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Shedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charge in r/o J&K Power Stations.

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

Form No. 2: Hydro

Name of Utility:
(H) Name of Plant:

NHPC LTD
Dulhasti Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	92.87	100.48	95.03	96.70
1b	Actual/Expected Auxiliary Energy Consumption	%	0.97	0.92	0.92	0.92
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	438.44	272.89	258.08	519.47
2b	Actual/Expected recovery of Return on Equity	Rs Cr	359.55	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	21.84	10.45	8.03	4.51
3	Actual/Expected Scheduled generation	MU	2196	1532.1	599.28	1948
4	Actual/Expected energy Rate	Paise/kWh	256.30	294.90	294.90	291.6
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	424.91	359.31	125.88	483.43
6a	Actual UI generation	MU	15.98	-2.1	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	31.59	15.07	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1 under recovery in AFC & 2 under recovery in O&M expenses for F.Y. 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water usage Charges in Hydro Power Station.

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

Form No. 2: Hydro

Name of Utility:

NHPC LTD

(L) Name of Plant:

Teesta-V Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	89.44	86.71	88.67	93.970
1b	Actual/Expected Auxiliary Energy Consumption	%	1.1	1.11	1.11	1.11
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	176.72	86.05	114.39	254.66
2b	Actual/Expected recovery of Return on Equity	Rs Cr	-19.55	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	2.77	4.14	0.24	4.51
3	Actual/Expected Scheduled generation	MU	2583.77	1701.55	786.45	2611
4	Actual/Expected energy Rate	Paise/kWh	75.10	75.10	75.10	102.7
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	167.98	108.31	64.41	230.19
6a	Actual UI generation	MU	11.48	11.14	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	12.03	9.37	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y 2010-11
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Shedule Energy & Design Energy
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charges in r/o J&K Power Stations
8. AFC for tariff period 2009-14 is yet to be approved by CERC, therefore Energy Charge Rate for 2010-11 and 2011-12 are as per rate of 2008-09 and for 2012-13 is as per 90% of AFC claimed in tariff petition filed for tariff period 2009-14

Procedures for calculating the expected revenue from tariffs and charges Regulations, 2010
Form No. 2: Hydro

Name of Utility: **NHPC LTD**
(K) Name of Plant: **RANGIT Power Station**

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	92.2	98.77	85.34	91.4
1b	Actual/Expected Auxiliary Energy Consumption	%	2.36	2.09	2.09	2.09
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	25.43	13.62	19.2	38.55
2b	Actual/Expected recovery of Return on Equity	Rs Cr	-16.07	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	0.29	0.35	0.3	0.17
3	Actual/Expected Scheduled generation	MU	339.39	205.82	121.54	337
4	Actual/Expected energy Rate	Paise/kWh	79.50	79.50	79.50	121.8
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	23.45	14.05	12.49	35.86
6a	Actual UI generation	MU	4.51	2.73	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	2.36	1.41	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM Schedule Energy & Design Energy.
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage Charges in r/c J&K Power Stations.
8. AFC for tariff period 2009-14 is yet to be approved by CFRC therefore Energy Charge Rate for 2010-11 and 2011-12 are as per rate of 2008-09 and for 2012-13 is as per 90% of AFC claimed in tariff petition filed for tariff period 2009-14

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

Form No. 2: Hydro

Name of Utility

NHPC LTD

(J) Name of Plant:

LOKTAK Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	76.27	61.5	79.46	72.64
1b	Actual/Expected Auxiliary Energy Consumption	%	1.54	1.78	1.78	1.78
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	21.25	17.35	22.39	43.22
2b	Actual/Expected recovery of Return on Equity	Rs Cr	-18.7	Can't be estimated		
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	8.23	3.85	1.8	0.32
3	Actual/Expected Scheduled generation	MU	590.75	248.53	227.13	448
4	Actual/Expected energy Rate	Paise/kWh	64.10	122.30	122.30	129.7
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	25.09	20.86	21.73	50.62
6a	Actual UI generation	MU	5.34	4.86	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	3.72	1.72	Can't be estimated	

Note:

1. Availability at sl. no 1a. is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional
 2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
 3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
 4. Figures for the period Oct 11 to Mar 12 have been taken from Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from Approved AFC Budget Estimate 12-13.
 5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11
 6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy
- Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water Usage charges in the O&M Power Station

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

Form No. 2: Hydro

Name of Utility
(i) Name of Plant

NHPC LTD
Sewa-II Power Station

Stage:

S. No	Particulars	Unit	Previous Year	Current Year (Apr-Sep)	Current Year (Oct-Mar)	Ensuing Year
1a	Actual/Expected Availability	%	90.54	94.9	82.03	85
1b	Actual/Expected Auxiliary Energy Consumption	%	1.08	1.29	1.29	1.29
2a	Actual/Expected recovery of Capacity Charge including incentive	Rs Cr	80.23	58.17	50.27	102.02
2b	Actual/Expected recovery of Return on Equity	Rs Cr	25.19	6.95	Can't be estimated	
2c	Actual/Expected recovery of Incentive (Charges for energy beyond the Design Energy)	Rs Cr	1.28	373.04	0.21	0.4
3	Actual/Expected Scheduled generation	MU	355.39	373.04	156.20	534
4	Actual/Expected energy Rate	Paise/kWh	239.40	213.40	213.40	208.7
5	Actual/Expected recovery of Energy Charges (For energy up to design energy)	Rs Cr	70.77	50.73	28.46	95.9
6a	Actual UI generation	MU	3.82	2.18	Can't be estimated	
6b	Actual UI rate	Paise/kWh				
6c	Actual revenue from UI	Rs Cr	1.4	3.78	Can't be estimated	

Note:

1. Availability at sl. no 1a is expressed in terms of PAF (%). The Expected PAF for Oct to March 2011-12 has been calculated based on actual PAF for Oct'11 and "Very Good" MOU PAF rating for 2011-12 for Nov'11 to Mar'12. The PAF for ensuing year 2012-13 have been taken as per "Very Good" MOU rating for 2011-12. Actual PAF for Apr to Sep 2011 is provisional.
2. Expected Auxiliary Consumption(%) values at sl. no. 1b. for Oct to March 2011-12 and for the ensuing year 2012-13 have been taken same as actual values of Current year (Apr-Sep).
3. Expected Scheduled energy at sl. no. 3. for Oct to March 2011-12 has been calculated based on actual scheduled energy for Oct'11 and "Very Good" MOU target from Nov to March 2011-12 and for the ensuing year 2012-13 have been calculated as "Very Good" MOU target for 2011-12.
4. Figures for the period Oct 11 to Mar 12 have been taken from: Approved AFC Revised Estimate 2011-12 and for the FY 12-13 from: Approved AFC Budget Estimate 12-13.
5. Actual recovery of ROE is after taking into account 1. under recovery in AFC & 2. under recovery in O&M expenses for F.Y. 2010-11.
6. The Budget Estimate & Revised Estimate is Based on data provided by O&M Division with respect to PAFM, Schedule Energy & Design Energy.
7. Current Year Actual Sales & Projected Sales for 2011-12 & 2012-13 does not includes Water usage Charges in the O&M Power Stations.