

**BEFORE THE HIMACHAL PRADESH ELECTRICITY
REGULATORY COMMISSION**

FILING NO. 136 of 2018
CASE NO. _____

IN THE MATTER OF:-

Application for Determination of Tariff for the FY 2019-20 to 2023-24 for Sale of Power from Baspa II 300 MW HEP to Himachal Pradesh State Electricity Board Limited (HPSEBL)

AND IN THE MATTER OF:

JSW Hydro Energy Limited
Karcham Wangtoo H.E. Project,
Sholtu Colony, PO. Tapri -172104,
Dist. Kinnaur (H.P)

Applicant

Versus

HPSEB Ltd
(Formerly Himachal Pradesh State Electricity Board)
Vidyut Bhawan, Shimla

Respondent No .1

State of Himachal Pradesh
Through Principal Secretary (MPP & Power)
Government of Himachal Pradesh, Shimla

Respondent No .2

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JSW
29.11.18

Amund

Filed by:

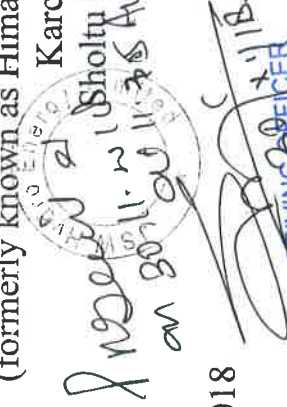
JSW Hydro energy Limited

(formerly known as Himachal Baspa Power Co. Ltd.)
Karcham Wangtoo H.E. Project,
Sholtu Colony, PO. Tapri -172104,
Dist. Kinnaur (H.P)



Place : Shimla

Dated : 29 November, 2018



H.P. Secretariat
Official Register
29-11-2018
333709

(hereinafter referred to as "Project") to Himachal Pradesh State Electricity Board ("Board") in pursuance of the Power Purchase Agreement dated 4th June, 1997, a "deemed licensee" under the Act, engaged in electricity generation, transmission and distribution in the State of Himachal Pradesh and neighboring States.

2. The Application is setting out the following details with respect to the Project in compliance with the provisions of Multi Year Tariff filing (MYT) procedures prescribed and amended under the Himachal Pradesh Electricity Regulatory Commission (Terms & Conditions for Determination of Hydro Generation Tariff) (Second Amendment) Regulations, 2013 required for determining the tariff under the Act for financial years 2019-20 to 2023-24 hereinafter referred to as (the 'Control period'):

(a) Facts leading to filing of the present application

(b) Additional capital expenditure during the period FY 2018-19 to FY 2022-23

(c) Technical & financial details and information in formats specified by the Commission under Himachal Pradesh Electricity Regulatory Commission (Terms & Conditions for Determination of Hydro Generation Tariff) Regulations, 2011 and amendments thereof;

(d) Details of fee enclosed vide draft, drawn in favour of the Secretary, Himachal Pradesh Electricity Regulatory Commission, payable at Shimla.

3. **Facts leading to filing of the present application**

A. The Hon'ble Commission, had approved capital cost and tariff for generation of power in respect of Baspa II (300 MW) HEP in chronological order, as under:



Amrinder

B. It is respectfully submitted that, as per the Board Resolution dated 26.7.2018 passed by Board of Directors of the Himachal Baspa Power Company Limited, the name of the company has been changed to JSW Hydro Energy Limited effective from 11.09.2018. New certificate of incorporation and copy of board resolution in enclosed as **Annexure A**.

4. **Additional capital expenditure after COD**

At Baspa-II HEP, Operation and Maintenance of power station is aimed at reducing failure rate by ensuring smooth operational levels of the power utility. This is done by adopting timely preventive maintenance schedule regarding all vital areas of the power project.

Since, the plant was commissioned in 2003 and equipment were installed, erected & commissioned during the period from 2000 to 2003, it is evident that the design & technology used was that prevailing during 1995 to 2000. Now, due to ageing of plant equipment, we are facing challenges in business continuation on account of reasons, which may be, grouped under following heads:

- (i) **Obsolescence** of then technology on which equipment was manufactured and hence unavailability of essential spares & services for the same in the market or with OEM (Original Equipment Manufacturer).
- (ii) **Upgradation in Technology:** Availability of new, higher and user-friendly versions of software & equipment in market, which cannot be integrated with old equipment / system as such, but needs complete replacement / upgradation.
- (iii) System Modification.
- (iv) Change in Law.
- (v) Prudent utility practices compliance.

In view of above, for business continuation as per terms of PPA and maintaining Baspa-II HEP as "State of Art" project, we intend to **combat obsolescence of various key system installed at Baspa-II HEP**



(Signature)

and upgrading them with latest available versions by incurring additional capital expenditure, in a phased manner during FY 2018-19 to FY 2022-23.

Relevant portions of PPA and HPERC / CERC regulations on the subject, are reproduced as under:

4.a PPA Article 2 Section 2.2.100, Article 7 Section 7.1, Article 13 Section 13.1 ((h), (i), (p)) and Article 20 Section 20.21 ((a), (b), (e) & (h))

Article 2, Section 2.2.100: Prudent Utility Practices:

Means those practices, method, techniques and standards as changed from time to time, that are generally accepted internally for use in electrical utility industries-(taking into account conditions in India) and commonly used in prudent electrical utility engineering and operations to design, engineer, construct, test, operate and maintain equipment lawfully, safety, efficiently and economically as applicable to power station of size, service and type of the project and maintenance guidelines.

Article 7, Section 7.1: Plant Operation and Maintenance:

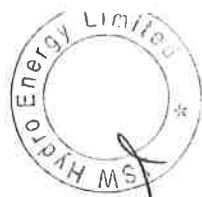
Subject to the provision of this Agreement, the company shall operate and maintain, and if required, effect improvement (within the overall scope of project implementation) in the project in accordance with:-

- (i) Prudent Utility Practices.
- (ii) All applicable laws and directives.
- (iii) The manuals, instructions and manufacturer's guidelines supplied by construction contractors, manufacturers of equipment / suppliers etc.
- (iv) The grid technical parameters as described in Schedule VIII.
- (v) Despatch Instructions.

Article 13, Section 13.1((h), (i) & (p)): Company Undertaking:

The Company hereby covenants to and agree the Board to:

.....



(h) Operate and maintain the project in accordance with the dispatch instructions and Prudent Utility Practices

(i) Design, construct and complete the project in a good workman-like manner, only with materials and equipment that are new and of international Utility-grade quality, in a such a manner that the useful life of the project will be at least equal to the term of this Agreement and in accordance with

- (i) the plans and specifications prepared in accordance with this Agreement,
- (ii) all applicable laws rules, regulations, permits and licenses, and
- (iii) sound engineering and constructions, and Prudent Utility Practices;

.....

(p) at the end of the term of this agreement, transfer the project in the good working condition to the Board as per provisions of this Agreement.

Article 20, Section 20.21 ((a), (b), (e) & (h)): Change in Law:

(a) Definition of Law

For the purpose of this Agreement, "Law" means any act, rule regulation, notification directive order or instruction having the force of Law enacted or issued by any competent legislature, Government or Statutory Authority in India.

(b) Definition of change in Law

For the purpose of this Agreement, "Change in Law" means: -

- i) any enactment and enforcement of any new law,
- ii) any amendment, alternation, modification or repeal of any existing law by a competent court, Tribunal or legislature in India which is contrary to the existing accepted interpretation thereof.

In each case coming into effect after the December 1993, and directly or indirectly affecting the parties to this Agreement in their performance



of their obligation under this Agreement, and provision for which has not been made elsewhere in the Agreement.

.....

(e) Additional facilities and modifications

Where any change in law coming into force after unit 3 commercial operation date requires the construction of any additional facilities and modifications of any existing facilities of the project, the company may incur such expenditure thereon as may be reasonably required to compile with such change in law and the amount of such expenditure shall be added to the capital cost subject to approval by Board/SG/Authority. The Company shall provide the Board with as much prior notification of such additional modifications and their costs as is reasonably practicable. To the extent amount of any such expenditure shall have been funded with debt, the interest on debt and debt payment attributable thereto shall be reflected in the tariff, and to the extent the amount of any such expenditure shall have been funded with equity, the return on equity attributable thereto shall be reflected in the tariff. Benefits, if any, with regard to tariff, accrued due to change in law shall go towards reduction in tariff.

.....

(h) Change in tariff due to change in law

If there is any change in tariff as per Section 20.21, due to change in law, then, the same would be got approved from the Board.

4.b Regulation 13(2) of Himachal Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Hydro Generation Tariff) Regulation, 2011 (amended in 2011 & 2013):

2) The capital expenditure incurred on the following counts after the cut-off date may, in its discretion, be admitted by the Commission, subject to prudence check, -

(a) liabilities to meet award of arbitration or for compliance of the order or decree of a court;



- (b) change in law;
- (c) any expenditure which has become necessary on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) including due to geological reasons after adjusting for proceeds from any insurance scheme, and expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation:

Provided that in any expenditure on acquiring the minor items or the assets like tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalisation for determination of tariff w.e.f. 1.4.2011.

4.c Regulation 14 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014:

14) Additional Capitalization and De-capitalization:

The capital expenditure, in respect of existing generating station or the transmission system including communication system, incurred or projected to be incurred on the following counts after the cut-off date, may be admitted by the Commission, subject to prudence check:

.....

- (vii) Any additional capital expenditure which has become necessary for efficient operation of generating station other than coal / lignite-based stations or transmission system as the case may be. The claim shall be substantiated with the technical justification duly supported by the documentary evidence like test results carried out by an independent agency in case of deterioration of assets, report of an independent agency in case of damage caused by natural calamities, obsolescence of technology, up-gradation of capacity for the technical reason such as increase in fault level;



(viii) In case of hydro generating stations, any expenditure which has become necessary on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) and due to geological reasons after adjusting the proceeds from any insurance scheme, and expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation;

The details of additional Capitalization during FY 2018-19 and proposed additional facilities and modifications required for Baspa-II HEP, during MYT Control Period 2019-24 are attached in **Annexure B**.

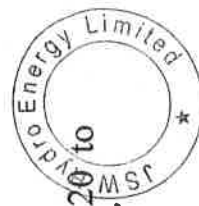
5. Technical & financial details and information in formats specified by the Commission under Himachal Pradesh Electricity Regulatory Commission (Terms & Conditions for Determination of Hydro Generation Tariff) (Second Amendment) Regulations, 2013.

The required information in the specified formats issued by the Hon'ble Commission is attached herewith (**Page no. 14 to 60**).

The Applicant most respectfully submits that all the financial details have been compiled in the prescribed forms based on the:

- a. approved capital cost of Rs.1632.41 crore comprising of:
 - i. capital cost as on COD Rs 1533.96 crore approved vide of Order dated 24.02.2007,
 - ii. additional capital cost of Rs 95.88 crore approved vide Order dated 24.01.2011
 - iii. additional capital cost of Rs 2.57 crore approved vide Order dated 06.06.2014.
- b. projected additional capital expenditure of Rs. 11.05 crore, during the period FY 2018-19 to FY 2022-23

The details of tariff claimed in the petition for the period 2019-20 to 2023-24, is as under:



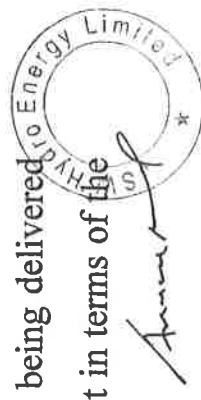
Rs. crore

Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
Interest on Loans	0.72	0.19	0.03	0.18	0.32	0.37	0.45	0.51
Depreciation	70.19	70.19	70.19	70.31	70.43	70.49	70.58	70.67
Advance against Depreciation	(65.12)	(66.25)	(70.01)	(38.25)	-	-	-	-
O & M expenses	38.70	40.30	41.99	43.75	45.54	47.42	49.38	51.37
Return on Equity	78.36	78.36	78.49	78.63	78.70	78.79	78.89	78.89
Interest on working capital	5.38	5.39	4.82	6.23	7.52	7.62	7.73	7.83
Incentive for plant availability	9.79	9.79	9.81	9.83	9.84	9.85	9.86	9.86
Provision For Income Tax	7.01	10.68	12.68	25.97	39.39	39.43	39.48	39.51
Incentive for Secondary Energy	37.38	35.80	15.74	27.94	27.96	28.00	28.03	28.03
Tariff filing fee & advertisement expense	0.05	0.05	0.14	0.05	0.05	0.05	0.05	0.05
Annual Revenue Requirement	182.46	184.50	163.88	224.64	279.75	282.02	284.44	286.72
Net Saleable Energy (MUs)	1,168.36	1,163.36	1,099.79	1,138.18	1,138.18	1,138.18	1,138.18	1,138.18

6. Details of fee enclosed vide demand draft, drawn in favour of The Secretary, Himachal Pradesh Electricity Regulatory Commission, payable at Shimla.

Demand draft no. 364017 dated 27.11.2018 drawn on State Bank of India, in favour of The Secretary, Himachal Pradesh Electricity Regulatory Commission, for Rs.25 lakh (Rupees Twenty Five Lakh only) towards fee specified in the Schedule to the HPERC (Conduct of Business) Regulations, 2005, for determining the tariff for the Control Period in terms of the PPA is enclosed. The Applicant prays that the filing fee be allowed to be a pass through during the control period.

The Applicant submits that a copy of this application is being delivered to the Board, the purchaser of the power from the Project in terms of the PPA and Government of Himachal Pradesh.




7. PRAYER

The Applicant most respectfully prays that this Hon'ble Commission may be pleased to:

- (1) Determine the Tariff for sale of power generated at the 300 MW Baspa-II Hydro Power plant to the Board for the financial years 2019-20 to 2023-24 (the control period), taking into account the submissions made in this Application and the information contained in the data and documents furnished in support of this Application;
- (2) Approve the additional capital cost of project of Rs 11.05 crore to be incurred for business continuation as per terms of PPA and maintaining Baspa-II HEP as "State of Art" project
- (3) Pass such order/orders as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

Place: Shimla

Dated: 29 November, 2018 ✓


APPLICANT



**BEFORE THE HIMACHAL PRADESH ELECTRICITY
REGULATORY COMMISSION**

FILING NO. _____
CASE NO. _____

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AND IN THE MATTER OF:

JSW Hydro Energy Limited
Karcham Wangtoo H.E. Project,
Sholtu Colony, PO. Tapri -172104,
Dist. Kinnaur (H.P)

Applicant

Versus

HPSEB Ltd Respondent No .1
(Formerly Himachal Pradesh State Electricity Board)
Viduyut Bhawan, Shimla

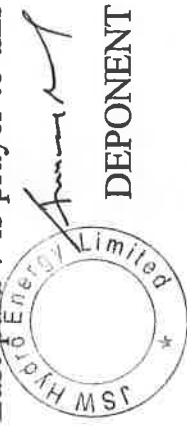
State of Himachal Pradesh Respondent No .2
Through Principal Secretary (power)
Shimla

AFFIDAVIT

I, Anurag Agarwal, son of Shri Kamal Kishore Agarwal, aged 38 years residing at Panchsheel Pratishtha, Sector 75, Noida 201301, do solemnly affirm and say as follows:

1. I am Senior Manager (F&A) of JSW Hydro Energy Limited and am duly authorized to make this affidavit on behalf of JSW Hydro Energy Limited.

2. The statements made in paragraphs 1 to 6 of this application herein are true to the best of my knowledge and belief. Last para 7 is prayer to this Hon'ble Commission.



DEPONENT

VERIFICATION

I, the deponent above named do hereby verify that the contents of my above

affidavit are true to my knowledge and no part of it is false and nothing material

is false and nothing material has been concealed therefrom.



DEPONENT

Verified at Shimla on the 29 November, 2018.

Signature of deponent
Date: 29/11/18
Oath Commission

S.No. Particulars	Year	UOM	@ Rs.47.04 = 1 USD					= Rs.			
			FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	
A Project Cost		Rs.	1,643.46								
B Equity		Rs.	493.04								
C Loan Component		Rs.	946.97								
		Rs.	203.45								
		F.C.									
		Rs.	22.79								
		MUSD									
		MUSD									
		MUSD									
		MUSD									
		MUSD									
1 Interest on Loans		Rs. Crs.	0.72	0.19	0.03	0.18	0.32	0.37	0.45	0.51	0.51
2 Depreciation		Rs. Crs.	70.19	70.19	70.19	70.31	70.43	70.49	70.58	70.67	70.67
3 Advance against Depreciation		Rs. Crs.	(65.12)	(66.25)	(70.01)	(38.25)	-	-	-	-	-
4 O & M expenses		Rs. Crs.	38.70	40.30	41.99	43.75	45.54	47.42	49.38	51.37	51.37
5 Return on Equity		Rs. Crs.	78.36	78.36	78.49	78.63	78.70	78.79	78.89	78.89	78.89
6 Interest on working capital		Rs. Crs.	5.38	5.39	4.82	6.23	7.52	7.62	7.73	7.83	7.83
7 Incentive for plant availability		Rs. Crs.	9.79	9.79	9.81	9.83	9.84	9.85	9.86	9.86	9.86
8 Provision For Income Tax		Rs. Crs.	7.01	10.68	12.68	25.97	39.39	39.43	39.48	39.51	39.51
9 Incentive for Secondary Energy		Rs. Crs.	37.38	35.80	15.74	27.94	27.96	28.00	28.03	28.03	28.03
10 Tariff filling fee & advertisement expense		Rs. Crs.	0.05	0.05	0.14	0.05	0.05	0.05	0.05	0.05	0.05
11 Annual Revenue Requirement		Rs. Crs.	182.46	184.50	163.88	224.64	279.75	282.02	284.44	286.72	286.72
12 Net Saleable Energy		MU	1,168.36	1,163.36	1,099.79	1,138.18	1,138.18	1,138.18	1,138.18	1,138.18	1,138.18
Tariff for Total Energy		Rs.	1.56	1.59	1.49	1.97	2.46	2.48	2.50	2.52	2.52



Summary Formats		PARTICULARS
1	S1	Annual Revenue Requirement
2	S2	Return on Equity
3	S3	Details of COD, Type of hydro station, Capacity Index, Primary energy rate
i.	S3A	Design energy and peaking capability (monthwise)- ROR with Pondage/Storage type new stations
ii.	S3B	Design energy and MW Continuous (monthwise)- ROR type stations
4	S4	Salient features of Hydroelectric Project
Detailed Financial Formats		
1	F1	Calculation of O&M Expenses
2	F2	Details of O&M Expenses
i.	F2A	Employee Expense
ii.	F2B	R&M Expense
iii.	F2C	A&G Expense
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4	F4A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects
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6	F4C	Break up of Capital Cost for Plant & Equipment
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8	F5	Statement of Additional Capitalisation after COD
9	F6	Financing of Additional Capitalisation
10	F7	Details of Fixed Assets & Provision for Depreciation
11	F8A	Details of Project Specific Loans
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14	F8D	Draw Down Schedule for Calculation of IDC & Financing Charges
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19	F12	Working Capital Requirements
20	F13	Project-wise / Scheme-wise Capital Expenditure
21	F13A	Capital Works in Progress



JSW Hydro Energy Limited (Baspa II HEP)

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Return on Equity

Form No: S2

(Rs Crores)

S. No.	Particulars	Control Period							
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
		Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	Equity (Opening Balance)	489.72	489.72	489.72	490.55	491.42	491.84	492.42	493.04
2	Net additions during the year	-	-	0.82	0.87	0.42	0.57	0.62	-
3	Equity (Closing Balance)I	489.72	489.72	490.55	491.42	491.84	492.42	493.04	493.04
4	Rate of Return on Equity ¹	16%	16%	16%	16%	16%	16%	16%	16%
	Return on Equity	78.36	78.36	78.49	78.63	78.70	78.79	78.89	78.89

Note

1 Equity & Return on Equity (16% without tax) is as per provisions of PPA dated 04.06.1997, Orders dated 24.02.2007, 24.01.2011, 30.03.2015 as passed by Hon'ble HPERC and projected additional equity deployed (Annexure 1) during 2018-19 to 2023-24 in terms of clause 8.7.3 of PPA.



Details of COD, Type of hydro station, Capacity Index, Primary energy rate

NAME OF COMPANY : JSW Hydro Energy Limited

NAME OF POWER STATION : Baspa II H.E.P

Form S3

Sl. No.	Description	Unit	Year ending March							
1	Installed Capacity	MW	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
2	Free power to home state (HP)	%	12	12	12	12	12	12	12	12
3	Date of commercial operation		24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003
	Unit-1		24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003	24th May 2003
	Unit-2		29th May 2003	29th May 2003	29th May 2003	29th May 2003	29th May 2003	29th May 2003	29th May 2003	29th May 2003
	Unit-3		8th June 2003	8th June 2003	8th June 2003	8th June 2003	8th June 2003	8th June 2003	8th June 2003	8th June 2003
4	Type of Station		Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground
	a) Surface/underground		Underground	Underground	Underground	Underground	Underground	Underground	Underground	Underground
	b) Purely ROR/ Pondage/Storage		Diurnal Pondage	Diurnal Pondage	Diurnal Pondage	Diurnal Pondage	Diurnal Pondage	Diurnal Pondage	Diurnal Pondage	Diurnal Pondage
	c) Peaking		Diurnal Peaking	Diurnal Peaking	Diurnal Peaking	Diurnal Peaking	Diurnal Peaking	Diurnal Peaking	Diurnal Peaking	Diurnal Peaking
	d) No. of hours of peaking		4	4	4	4	4	4	4	4
	e) Overload capacity(MW) & period		-	-	-	-	-	-	-	-
5	Type of excitation									
	a) Rotating exciters on generator									
	b) Static excitation		Static excitation	Static excitation	Static excitation	Static excitation	Static excitation	Static excitation	Static excitation	Static excitation
6	Design Energy (Annual) ¹	Gwh	1213.18	1213.18	1213.18	1213.18	1213.18	1213.18	1213.18	1213.18
7	Auxiliary Consumption including transformation losses	%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPF)	%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%
9.1	Maintenance Spares for WC	% of O&M	12%	12%	12%	12%	12%	12%	12%	12%
9.2	Receivables for WC	in months	2 months	2 months	2 months	2 months	2 months	2 months	2 months	2 months
9.3	Base Rate of Return on Equity	%	16	16	16	16	16	16	16	16
9.4	Tax Rate	%	21.34%	21.34%	21.34%	21.34%	21.34%	21.34%	21.34%	21.34%
9.5	Prime lending Rate of SBI as on 31st March	%	14.05%	13.85%	13.45%	13.45%	13.45%	13.45%	13.45%	13.45%
Enclosed as Form S3A										
Monthwise Design energy figures to be given separately with the										
petition.										



NAME OF COMPANY: JSW Hydro Energy Limited
 NAME OF POWER STATION : Baspa II HEP

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Form S3A

Installed Capacity : (No of units X .MW) 3 x 100=300MW		Design Energy* (MUs)	Designed Peaking Capability (MW)
Month			
April	I	13.92	300MW
	II	14.57	300MW
	III	19.14	300MW
May	I	22.39	300MW
	II	21.83	300MW
	III	38.29	300MW
June	I	60.09	300MW
	II	65.39	300MW
	III	67.28	300MW
July	I	67.28	300MW
	II	67.28	300MW
	III	74.01	300MW
August	I	67.28	300MW
	II	67.28	300MW
	III	74.00	300MW
September	I	60.22	300MW
	II	47.94	300MW
	III	39.05	300MW
October	I	28.74	300MW
	II	25.64	300MW
	III	24.63	300MW
November	I	20.69	300MW
	II	18.58	300MW
	III	17.87	300MW
December	I	16.04	300MW
	II	14.91	300MW
	III	15.62	300MW
January	I	14.06	300MW
	II	14.20	300MW
	III	14.85	300MW
February	I	13.07	300MW
	II	13.07	300MW
	III	11.03	300MW
March	I	13.78	300MW
	II	13.78	300MW
	III	15.46	300MW
Total		1193.24	

*As per Schedule IX-A of PPA dated 04.06.1997 with HPSEB . (design energy delivered after deducting deemed transmission loss of 0.65 % and auxiliary & transformation loss of 1.00%)

Note :

Specify the number of peaking hours for which station has been designed. - Diurnal Peaking.



NAME OF COMPANY: JSW Hydro Energy Limited
 NAME OF POWER STATION : Baspa II HEP

Installed Capacity : (No of units X .MW) 3 x 100=300MW		
Month	Design Energy* (MUs)	MW continuous*
April	I 13.92	58.97
	II 14.57	61.72
	III 19.14	81.10
May	I 22.39	94.85
	II 21.83	92.46
	III 38.29	147.48
June	I 60.09	254.54
	II 65.39	277.02
	III 67.28	285.00
July	I 67.28	285.00
	II 67.28	285.00
	III 74.01	285.00
August	I 67.28	285.00
	II 67.28	285.00
	III 74.00	285.00
September	I 60.22	255.14
	II 47.94	203.10
	III 39.05	165.43
October	I 28.74	121.77
	II 25.64	108.61
	III 24.63	94.85
November	I 20.69	87.68
	II 18.58	78.71
	III 17.87	75.72
December	I 16.04	67.94
	II 14.91	63.16
	III 15.62	60.17
January	I 14.06	59.57
	II 14.20	60.17
	III 14.85	57.18
February	I 13.07	55.38
	II 13.07	55.38
	III 11.03	58.37
March	I 13.78	58.37
	II 13.78	58.37
	III 15.46	59.57
Total	1193.24	

*As per Schedule IX-A of PPA dated 04.06.1997 with HPSEB . (design energy delivered after deducting deemed transmission loss of 0.65 % and auxiliary & transformation loss of 1.00%)



SALIENT FEATURES OF HYDROELECTRIC PROJECT

NAME OF COMPANY: JSW Hydro Energy Limited

NAME OF POWER STATION: Baspa II H.E.P

021

1. Location	Dist.- Kinnaur (Himachal Pradesh) Baspa
State/Distt. River	
2. Diversion Tunnel	Dist.- Kinnaur (Himachal Pradesh) Baspa
Size, shape	Diversion through open channel on left bank, Trapezoidal shaped for 370 cumec discharge About 400M
Length	
3. Dam	
Type	Diversion Barrage
Maximum dam height	15M
4. Spillway	
Type	4 Barrage bays each 13M wide
Crest level of spillway	2520.5M
5. Reservoir	
Full Reservoir Level (FRL)	2531.5 M
Minimum Draw Down Level (MDDL)	2527.5 M
Live storage (MCM)	75 Ha-M
6. Desilting Arrangement	
Type	Sedimentation Chamber and Flushing Ducts
Number and Size	2 Nos, 138.5m(L)*17m(W)*16m(H)
Particle size to be removed(mm)	(+)0.2 mm
7. Head Race Tunnel	
Size and type	4M dia, Modified Horse Shoe Concrete Lined
Length	7.95 KM
Design discharge(Cumecs)	52 cumec
8. Surge Shaft	
Type	Restricted Orifice type
Diameter	6m/8m
Height	121m
9. Penstock/Pressure shafts	
Type	Steel lined
Diameter & Length	3.1m dia, 885m long branching into 3 No 1.8m dia penstocks
10. Power House	
Type	Underground
Installed capacity (No of units x MW)	(3*100)
Peaking capacity during lean period (MW)	300MW
Type of turbine	Pelton
Rated Head(M)	702m
Rated Discharge(Cumecs)	16.31 Cumec
11. Tail Race Tunnel	
Diameter, shape	5.6m D Shaped
Length	250M
Minimum tail water level	1810.4 M
12. Switchyard	
Type of Switch gear	400KV GIS
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	2
Note: Specify limitation on generation during specific time period on account of restriction(s) on water use due to irrigation, drinking water, industrial, environmental considerations etc.	



NAME OF COMPANY: JSW Hydro Energy Limited
NAME OF POWER STATION: Baspa II H.E.P

(Rs Cr)

022

	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
	FY (n+3)	FY (n+4)	FY (n+5)	FY (n+5)	FY (n+5)	FY (n+5)	FY (n+5)	FY (n+5)
1	8	9	10	10	10	10	10	10
CASE I: O&M data available for 2010-11 to 2012-13								
(Base O&M on the basis of actual data)								
(A1) Employee Cost								
a. Employee Cost								
b. Less Abnormal expenditure:								
- Over staffing								
- Past period Arrears								
- etc.								
c. Net Employee Cost								
d. Add Provision (provide details)								
e. Total Employee Cost (c+d)								
(A2) R&M Cost								
f. R&M Cost								
g. Less Abnormal expenditure:								
- Siltation								
- etc.								
h. Net R&M Cost (f-g)								
i. Opening GFA								
j. 'K' factor (c/d)								
(A3) A&G Cost								
k. A&G cost								
l. Less Abnormal expenditure:								
provide details.								
m. Net A&G expense (k-l)								
n. Add: Provision (provide details)								
o. Total A&G Expense (m+n)								
p. O&M Expenses in terms of PPA as approved by Hon.ble Commission (as per working enclosed as Annexure I)	36.41	37.82	39.36	40.95	42.58	44.28	46.05	47.84
q. O&M Expenses on ICF and Service Tax on O&M Expenses paid to SJVNL approved by Hon.ble Commission as per working enclosed as Annexure I)	2.29	2.47	2.64	2.80	2.96	3.14	3.33	3.53
Total O&M Expenses (p+q)	38.70	40.30	41.99	43.75	45.54	47.42	49.38	51.37
CASE II: Stations for which O&M data for 2010-11 to 2012-13 is not available								
Year of Commissioning								
Calculation of Base O&M								
Assuming year of Commissioning 2013-14						N.A.		

Case I

* Abnormal O&M expenses such as:

- Security expenses on account of insurgency (other than normal security)

- Due to abnormal situation

Fisc^ = Escalation rate arrived as per Regulation 22 (6)

Case II

** For new stations commissioned during 2013-14, the O&M shall be on pro data basis

** P1, P2 and P3 are the actual O&M expenses claimed in the year 2010-11, 2011-12 and 2012-13 respectively



ITEMS	As existing	As existing	As existing	Current Year	Control Period				
	FY (n-3)	FY (n-2)	FY (n-1)	FY (n)	FY (n+1)	FY (n+2)	FY (n+3)	FY (n+4)	FY (n+5)
1	2	3	4	5	6	7	8	9	
(A) Breakup of O&M expenses									
1 Plant level O&M Expense									
a Employee Expense (F2A)									
b Repair and Maintenance (F2B)									
c Administrative & General Expenses (F2C)									
Sub-total O&M Expense (a+b+c)									
5 Corporate office expenses allocation									
a Employee Expense									
b Repair and Maintenance									
c Administrative & General Expenses									
Sub-total Corporate Expense (a+b+c)									
6 Others (Specify items)									
7 Total (1 to 6)									

Notes:

I) The methodology of allocation of corporate expenses to various functional activities and allocation of Corporate expenses pertaining to power generation to each operating stations and stations under construction should be clearly specified

(in Rs lacs)

Sl no	Items	Details of Running Expenses								
		As existing	As existing	As existing	Current Year	Control Period				
		FY (n-3)	FY (n-2)	FY (n-1)	FY (n)	FY (n+1)	FY (n+2)	FY (n+3)	FY (n+4)	FY (n+5)
1	2									
(A)	Breakup of corporate expenses (Aggregate at Comp. level)									
a	Employee expenses									
b	Salaries, wages and allowances									
c	Staff welfare expenses									
d	Productivity linked incentive									
e	Expenditure on VRS									
f	Es-gratia									
2	Administrative Expenses									
a	Repair and maintenance									
b	Training and Recruitment									
c	Communication									
d	Traveling & Conveyance									
e	Rent									
f	Others (Specify items)									
3	Sub - Total (Administrative Expenses)									
3	Security									
4	Donations									
5	Provisions									
6	Others (specify items)									
7	Total (1 to 6)									
8	Less recoveries (if any)									
9	Net Corporate Expenses (Aggregate)									
(B)	Allocation of Corporate Expenses to various Functional Activities like									
1	Power Generation									
2	Project management/Projects under Construction									
3	Consultancy Business									
4	Any other									
	Note: Heads indicated above are illustrative. Generating companies may furnish the allocations in different functional activities suited to their company									
(C)	Allocation of Corporate Expenses relating to functional activity of power Generation to various generating stations									
1	Generating station 1									
2	Generating station 2									
3	Generating station 3									
	Total									
(D)	Details of number of Employees									
i)	Executives									
ii)	Non-Executives									
iii)	Skilled									
iv)	Non-Skilled									
	Total									

~~Not Applicable as O&M in the Tariff is allowed as per the terms of PPA~~

I) An annual increase in O&M expenses under a given head in excess of 20 percent should be explained with proper justification

II) The data should be based on audited balance sheets

III) Details of arrears, if any pertaining to period prior to the year 2003-04 should be mentioned separately

IV) No. of employees opting for VRS during each year should be indicated.

V) Details of abnormal expenses, if any shall be furnished separately

VI) The monthwise provisions made in the employee cost towards wage revision/arrears shall be provided separately



Name of Company
Name of the power Station

JSW Hydro Energy Limited
Baspa II HEP

S. No.	ITEMS	Actual			Current Year	Control Period			
		FY (n-3)	FY (n-2)	Actual FY (n-1)	FY (n)	FY (n+1)	FY (n+2)	FY (n+3)	FY (n+4)
A	Details of Number of Employees								
	Employee Category								
1	Executives								
2	Non-Executives								
3	Skilled								
4	Non-Skilled								
	Total								
B	Employee's Cost (Other Than Covered In 'C' & 'D')								
1	Basic Pay								
2	Additional Pay								
3	Dearness Allowance								
4	House Rent Allowance								
5	Comensatory allowance								
6	Transport allowance								
7	Conveyance Allowance								
8	Night Shift Duty Allowance								
9	Other Allowance (pl specify name.....)								
10	C Off Encashment								
11	Sub-Total: (1 to 10)								
12	Medical Expenses Reimbursement								
13	Travelling Allowance/Conveyance Allowance)								
14	Leave Travel Assistance								
15	Honorarium/Overtime								
16	Production Linked Incentive								
17	Other Incentives/Awards Including That In Partnership Project (Specify Items)								
18	Earned Leave Encashment								
19	Tuition Fee Re-Imbursement								
20	Administration Charges								
21	Employee's Insurance Expenditure								
22	Payment Under Workman'S Compensation And Gratuity								
23	Any Other Item								
24	Interim Relief / Wage Revision								
25	Sub-Total (7 to 21)								
26	Staff Welfare Expenses								
C	Apprentice And Other Training Expenses								
D	Payment/Contribution To PF Staff Pension And Gratuity								
1	Terminal Benefits								
	a) Provident Fund Contribution								
	b) Provision for PF Fund								
	c) Pension Payments								
	d) Gratuity Payment								
2	Any Other Items								
	Total D								
E	Grand Total B.11 + B.26 + B.27 + C + D 								
F	Grand Total								
	Less: Chargeable To Construction Works								
	Balance Item 'F' Appropriate For (F)-(G)								

Not Applicable as O&M in the Tariff

is allowed as per the terms of PPA

- I) The data should be based on audited balance sheets.
- II) Details of arrears, if any pertaining to period prior to the year 2003-04 should be mentioned separately.
- III) No. of employees opting for VRS during each year should be indicated.
- IV) Details of abnormal expenses, if any shall be furnished separately



Name of Company
Name of the power StationJSW Hydro Energy Limited
Baspa II HEP

S. No.	ITEMS	Actual			Current Year FY (n)	Control Period			025	
		FY (n-3)	FY (n-2)	FY (n-1)		FY (n+1)	FY (n+2)	FY (n+3)		FY (n+4)
1	Plant and Machinery									
2	Building									
3	Civil Works									
4	Hydraulic Works									
5	Lines, Cables Net Works etc.									
6	Vehicles									
7	Furniture and Fixtures									
8	Office Equipments									
9	Station Supplies									
10	Any other items									
11	Less: Capitalisation									
12	Total									

Not Applicable as O&M in the Tariff

is allowed as per the terms of PPA



Name of the Company :	JSW Hydro Energy Limited
Name of the Power Station :	Baspa II (300MW) HEP
Capital cost as admitted by Commission	Rs. 1632.41 crores
Capital cost admitted as on 24.02.2007	Rs. 1533.96 crores
Capital cost admitted as on 24.01.2011	Rs. 95.88 crores
Capital cost admitted as on 06.06.2014	Rs. 2.57 crores
(Give reference of the relevant Commission Order with Petition No. & Date)	Tariff Orders: dated 24.2.2007 (Petition No. 338/2005), dated 24.01.2011 (Petition No. 11/2010), dated 06.06.2014 (Petition No. 138/2013 & 142/2013)
Foreign Component, if any (In Million US \$ or the relevant Currency)	US\$ 43.26 million (24.02.2007)
Domestic Component (Rs. Cr.)	Rs. 1073.77 crores (24.02.2007)
	Rs. 67.12 crores (24.01.2011)
	Rs. 1.80 crores (06.06.2014)
Foreign Exchange rate considered for the admitted capital cost	Rs. 47.04
Hedging Cost, if any considered for the admitted capital cost	
Total Capital cost admitted (Rs. Cr)	Rs. 1632.41 crores



Name of the Company :

JSW Hydro Energy Limited

Name of the Power Station :

Baspa II (300MW) HEP

New ProjectsCapital Cost Estimates

028

Board of Director/ Agency approving the project cost estimates:

Techno Economic Clearance by Central Electricity Authority (TEC)

Date of approval of the Capital cost estimates:

29.04.1994

Present Day Cost

Price level of approved estimates

As of End of ___ Qtr. Of the year Rs 1667.34 Crs as on COD of Project i.e 8th June 2003.

Completed Cost

Foreign Exchange rate considered for the capital cost estimates

Capital Cost excluding IDC & FC

Foreign Component, if any (In Million US \$ or the relevant Currency)

Domestic Component (Rs. Cr.)

Capital cost excluding IDC & FC (Rs. Cr)IDC & FC

Foreign Component, if any (In Million US \$ or the relevant Currency)

Domestic Component (Rs. Cr.)

IDC & FC (Rs.Cr.)

Rate of taxes & duties considered

Schedule of Commissioning

COD of Unit-I

COD of Unit-II

COD of last Unit

NOT APPLICABLE AS
THE PROJECT HAS
ALREADY BEEN
COMMISSIONED ON
8th JUNE, 2003.

Note:

1. Copy of approval letter from competent authority should be enclosed.
2. Details of capital cost are to be furnished as per FORM-5B or 5C as applicable.
3. Details of IDC & Financing Charges are to be furnished as per FORM-16.



JSW Hydro Energy Limited
Baspa II (300MW) HEP

NAME OF COMPANY:
NAME OF POWER STATION:

S. No	Head of works	Original cost as approved by Authority	Cost on COD	Variation	Reasons for variation	(Rs. in crore) Admitted cost
1.0	Infrastructure Works					
1.1	Preliminary including Development, Investigation and planning					
1.2	Land			N		
1.3	Buildings, Roads					
1.4	Township					
1.5	Maintenance					
1.6	Tools & Plants					
1.7	Communication					
1.8	Environment & Ecology					
1.9	Losses on stock					
1.10	Receipt & Recoveries					
1.11	Total (Infrastructure works)					
2.0	Major Civil Works					
2.1	Dam, Intake & Desilting Chambers			A		
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	Total (Major Civil Works)					
3.0	Hydro Mechanical equipments					
4.0	Plant & Equipment					
4.1	Initial spares of Plant & Equipment					
4.2	Total (Plant & Equipment)					
5.0	Taxes and Duties					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	Total Taxes & Duties					
6.0	Construction & Pre-commissioning expenses					
6.1	Erection, testing & commissioning					
6.2	Construction Insurance					
6.3	Site supervision					
6.4	Total (Const. & Pre-commissioning)					
7.0	Overheads					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					
7.6	Total (Overheads)					
8.0	Capital Cost without IDC & FC					
9.0	Financing charges (FC)					
10.0	Interest during construction (IDC)					
11.0	Capital Cost with IDC & FC					

Note:

1. In case of time and cost over-run of the project, a detailed note giving reasons of such time and cost over run should be submitted, bringing out the agency responsible and whether such time and cost over run was beyond the control of the generating company.
2. Any independent enquiry has been conducted - if yes, then submission of the findings



NAME OF COMPANY:
NAME OF POWER STATION:

JSW Hydro Energy Limited
Baspa II (300MW) HEP

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S. No	Head of works	Original Cost as approved by Authority	Cost on COD	Variation	Reasons for variation	Admitted cost
1.0	Generator, turbine & Accessories					
1.1	Generator package			N		
1.2	Turbine package			0		
1.3	Unit control Board					
1.4	C&I package			E		
1.5	Bus Duct of GT connection					
1.6	Total (Generator, turbine & Accessories)					
2.0	Auxiliary Electrical Equipment					
2.1	Step up transformer					
2.2	Unit Auxiliary Transformer			A		
2.3	Local supply transformer					
2.4	Station transformer					
2.5	SCADA					
2.6	Switchgear, Batteries, DC dist. Board					
2.7	Telecommunication equipment					
2.8	Illumination of Dam, PH and Switchyard					
2.9	Cables & cable facilities, grounding					
2.10	Diesel generating sets					
2.11	Total (Auxiliary Elect. Equipment)					
3.0	Auxiliary equipment & services for power station					
3.1	EOT crane					
3.2	Other cranes					
3.3	Electric lifts & elevators					
3.4	Cooling water system					
3.5	Drainage & dewatering system					
3.6	Fire fighting equipment					
3.7	Air conditioning, ventilation and heating					
3.8	Water supply system					
3.9	Oil handling equipment					
3.10	Workshop machines & equipment					
3.11	Total (Auxiliary equipt. & services for PS)					
4.0	Switchyard package					
5.0	Initial spares for all above equipments					
6.0	Total (Plant & Equipment)					



Financial Package upto COD

Name of the Company
 Name of the Power Station
 Project Cost as on COD¹
 Date of Commercial Operation of the Station²

JSW Hydro Energy Limited
 Baspa II (300MW) HEP
 Rs 1667.34 Crs
 8th June 2003

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(Amount in Crs)

	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	Currency	Amount	Currency	Amount	Currency	Amount
Debt						
			RTL	972.84	RTL	870.27
Other			FCL	203.50	FCL	203.50
and so on						
Equity-						
Foreign						
Domestic				491.00		460.19
Total Equity						
Debt : Equity Ratio				71:29		70:30



Name of the Company
 JSW Hydro Energy Limited
 Name of the Power Station
 Baspa II (300MW) HEP
 Date of Commercial Operation
 8th June 2003

Financial Year (Starting from COD)	Actual										Projected										Admitted									
	FY2005-06	FY2006-07	FY2007-08	FY2008-09	FY2009-10	FY2010-11	FY2011-12	FY2012-13	FY2018-19	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2005-06	FY2006-07	FY2007-08	FY2008-09	FY2009-10	FY2010-11	FY2011-12	FY2012-13									
Amount capitalised in																														
Work/Equipment	46.34	47.07	11.27	1.80	-	3.33	-	2.75	2.91	1.41	1.91	2.08	-	43.67	40.24	10.17	1.80	-	2.57	-										
Financing Details																														
Yes Bank	25.75																													
Loan-2														25.75																
Loan-3 and so on																		1.26			1.80									
Total Loan ²	-	25.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.26	-	-	1.80									
Equity																														
Internal Resources	20.59	47.07	11.27	1.8	-	3.33	-	2.75	2.91	1.41	1.91	2.08	-	13.10	12.07	3.05	0.54	-	-	0.77										
Others																														
Total	-	46.34	47.07	11.27	1.80	-	3.33	-	2.75	2.91	1.41	1.91	2.08	13.10	12.07	3.05	0.54	-	-	0.77										

¹ Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.
² Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.



S No	Particulars	Rate of depreciation (%)	2016-17													
			Gross Fixed Assets						Depreciation						Net Fixed Assets	
			Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year	Accumulated Depreciation at the beginning of the year	Depreciation during the year	Arrears of depreciation written off during the year	Total	Withdrawals during the year	Accumulated Depreciation at the end of the year	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year
1	Land owned under full title	-	16.93	-	-	16.93	-	-	-	-	-	16.93	-	-	-	16.93
2	Land held under lease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	For investment in land	2.50%	1.09	-	-	1.09	0.35	0.03	0.37	-	0.74	0.37	-	-	-	0.71
4	For cost of clearing site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Assets Purchased New	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Plant and machinery in generating stations including plant foundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Hydro-electric	2.71%	475.57	0.02	-	475.59	165.18	12.89	178.07	-	178.07	178.07	310.39	-	-	297.53
8	Steam-electric HRFS & Waste Heat Recovery Boilers / Plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Local electric & gas plant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Cooking towers and circulating water systems	2.71%	1.75	-	-	1.75	0.61	0.05	0.66	-	0.66	1.14	-	-	-	1.10
11	Hydraulic works forming part of hydro-electric system including	2.71%	673.59	-	-	673.59	233.95	18.25	252.21	-	252.21	252.21	439.63	-	-	421.38
12	Reinforced concrete pipelines and surge tanks, steel pipes and other hydraulic works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Containing hydro-electric generating plant	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Containing thermo-electric generating plant	1.63%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Pipes & steamers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Buildings & civil engineering works of a permanent character, not mentioned above	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Transformers (including foundations) having a rating of 100 kVA or more	2.71%	37.02	-	-	37.02	12.86	1.00	13.86	-	13.86	13.86	24.16	-	-	23.16
18	Transformers (excluding foundations) having a rating of other than 100 kVA or more	1.63%	25.47	-	-	25.47	7.40	0.58	7.98	-	7.98	7.98	28.02	-	-	27.45
19	Other electrical apparatus, including: sub-station equipment & other electrical apparatus	1.63%	0.66	-	-	0.66	0.14	0.01	0.15	-	0.15	0.52	-	-	-	0.51
20	Buildings other than factory sheds	2.71%	1.46	-	-	1.46	0.51	0.04	0.55	-	0.55	0.95	-	-	-	0.91
21	Foundations	2.71%	1.46	-	-	1.46	0.51	0.04	0.55	-	0.55	0.95	-	-	-	0.91
22	Underground cables including joint boxes and disconnect boxes	2.71%	1.46	-	-	1.46	0.51	0.04	0.55	-	0.55	0.95	-	-	-	0.91
23	Overhead lines including supports	2.71%	137.66	-	-	137.66	47.81	3.73	51.54	-	51.54	89.84	-	-	-	86.11
24	Lines on towers (not operating at normal voltages higher than 66 kV)	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Lines on steel supports operating at normal voltages higher than 15.2 kV but not exceeding 66 kV	3.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Lines on steel or reinforced concrete supports	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Lines of treated wood supports	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Masts	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Self propelled vehicles	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Air conditioning plants	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	Stair	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Vehicle	2.71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Office furniture and fittings	6.63%	0.05	-	-	0.05	0.04	0.00	0.04	-	0.04	0.01	-	-	-	0.00
34	Office equipment	1.84	1.84	-	-	1.84	1.12	0.09	1.20	-	1.20	0.72	-	-	-	0.63
35	Internal wiring including fittings and apparatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Street Light fittings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Apparatus for oil fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Other than motors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Motors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Communication equipment	0.13	0.13	-	-	0.13	0.05	0.05	0.05	-	0.05	0.05	-	-	-	0.08
41	Radio and higher frequency carrier systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	Telephone lines and telephones	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	Assets purchased in second hand and assets not otherwise provided for in the schedule	9.40%	0.32	0.05	-	0.27	0.29	0.00	0.29	-	0.29	0.03	-	-	-	0.07
44	Total	1383.49	0.07	0.00	1383.56	470.30	36.68	0.00	506.97	0.00	506.97	913.19	0.00	0.00	0.00	876.59

Note: Baga II was taken over by JSW Hydro Energy Limited from Jaiprakash Power Venture Limited effective from 1.9.2015. Depreciation above has been reworked from 8.6.2003, based on revised gross block of assets of JSW Hydro Energy Limited.



S No	Particulars	Rate of depreciation (%)	Balance at the beginning of the year		Additions during the year		Retirements during the year		Balance at the end of the year	
			16.93	1.09	2.50%	1.09	0.51	0.03	0.54	0.54
1	Land owned under full title	-	16.93	-	-	-	-	-	16.93	-
2	For investment in land	2.50%	-	1.09	-	-	-	-	1.09	0.55
3	Assets Purchased Here	-	-	-	-	-	-	-	-	-
a)	Plant and machinery in generating stations including plant foundations	-	-	-	-	-	-	-	-	-
b)	Hydro-electric	2.71%	475.59	475.59	242.51	12.89	-	255.40	255.40	220.20
	Steam-electric NHRS & Waste Heat Recovery boilers / plants	-	-	-	-	-	-	-	-	-
	Thermal electric & gas plant	-	-	-	-	-	-	-	-	-
b)	Cooling towers and circulating water systems	2.71%	1.75	1.75	0.89	0.05	-	0.94	0.94	0.81
c)	Hydraulic works forming part of hydro-electric system including dams, spillways weirs, canals, reinforced concrete flumes & abutment	2.71%	673.59	673.59	343.48	18.25	-	361.73	361.73	311.85
	Reinforced concrete pipelines and surge tanks, steel pipelines, sluice gates, steel surge tanks) in drablic control valves and other hydraulic works	-	-	-	-	-	-	-	-	-
d)	Building & civil engineering works of a permanent character, not mentioned above	-	-	-	-	-	-	-	-	-
	Offices & showrooms	1.63%	-	-	-	-	-	-	-	-
	Containing thermo-electric generating plant	-	-	-	-	-	-	-	-	-
	Containing hydro-electric generating plant	2.71%	-	-	-	-	-	-	-	-
	Temporary erection such as wooden structures	-	-	-	-	-	-	-	-	-
v)	Keels other than barbu rudd	1.63%	0.66	0.20	0.01	-	-	0.21	0.21	0.45
xii)	Others	1.63%	44.95	47.02	11.30	0.77	-	12.07	33.65	34.96
e)	Transformers, transformer banks, sub-station equipment & other fixed apparatus (including plant foundations, having a rating of 100 kVA or more and over)	2.71%	37.02	37.02	18.88	1.00	-	19.88	18.14	17.14
f)	Switchgear, including cable connectors	2.71%	-	-	-	-	-	-	-	-
g)	Lighting apparatus	2.71%	-	-	-	-	-	-	-	-
h)	Station type	2.71%	-	-	-	-	-	-	-	-
i)	Pole type	2.71%	-	-	-	-	-	-	-	-
iii)	Switchrooms, enclosures	2.71%	-	-	-	-	-	-	-	-
ii)	Busbars	2.71%	1.46	1.46	0.75	0.04	-	0.79	0.72	0.68
ii)	Independent cable (including joint boxes and disconnected boxes)	2.71%	-	-	-	-	-	-	-	-
ii)	Cable duct system	2.71%	-	-	-	-	-	-	-	-
ii)	Overhead lines including supports	2.71%	137.66	70.19	3.73	75.92	-	75.92	67.46	63.73
	Lines on steel or reinforced concrete supports	2.71%	-	-	-	-	-	-	-	-
	Lines on treated wood supports	2.71%	-	-	-	-	-	-	-	-
ii)	Motors	2.71%	-	-	-	-	-	-	-	-
iii)	Self propelled vehicles	2.71%	-	-	-	-	-	-	-	-
ii)	Air conditioning plants	2.71%	-	-	-	-	-	-	-	-
i)	Stair	2.71%	-	-	-	-	-	-	-	-
ii)	Portable	2.71%	-	-	-	-	-	-	-	-
vi)	Others	6.03%	0.05	0.05	0.06	0.00	-	0.06	0.01	0.01
ii)	Office equipments	1.75% to 2.1%	1.93	1.93	1.66	0.09	-	1.75	0.26	0.17
(vi)	Street Light fittings	-	-	-	-	-	-	-	-	-
(v)	Apparatus let on hire	-	-	-	-	-	-	-	-	-
ii)	Other than motors	-	-	-	-	-	-	-	-	-
ii)	Motors	-	-	-	-	-	-	-	-	-
ii)	Communication equipment	2.71%	0.13	0.13	0.07	0.00	-	0.07	0.07	0.06
ii)	Radio and higher frequency carrier systems	-	-	-	-	-	-	-	-	-
ii)	Telephone lines and telegraphs	-	-	-	-	-	-	-	-	-
ii)	Assets purchased in second hand and assets not otherwise provided for in the schedule	9.40%	0.37	0.37	0.32	0.00	-	0.32	0.05	0.15
Total			1393.17	2.08	1395.25	36.87	0.00	727.69	702.35	667.56



JSW Hydro Energy Limited
Baspa II (300MW) HEP

Name of the Company
Name of the Power Station

Particulars	Package1	Package2	Package3	Package4	Package5	Package6	Package7	Package8	Package9	Package10	Package11	Package12	Package13	Package14	Package15	Package16	Package17	Package18	Package19	Package20	Package21	
Source of Loan ¹	ICICI	PFC	ICICI	ICICI	LIC	UTI	LIC	IIBI	IDBI	BOB	IOB	CBOI	PNB	SBOI	SBOT	SBOM	SBOH	Credit Lyonnais	Hypo Bank	VA Tech Finance	IDBI FCL	PFC(DPG)
Currency ²	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Amount of Loan sanctioned	150	170	150	174	15	15	174	150	150	150	50	50	52	25	25	25	25	17.84	11.31	11.48	2.62	40.63
Amount of Gross Loan drawn upto 31.03.2013/COD ^{3,4,5,15}	150	165.75	150	174	15	15	174	150	150	50	50	52	25	25	25	25	25	17.11	10.14	10.301	2.18	40.63
Interest Type ⁶	Floating	Floating	Floating	Floating	Fixed	Fixed	Fixed	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Fixed	Floating	Floating	Floating	Fixed
Fixed Interest Rate, if applicable ⁷	-	-	0.1	-	0.185	0.185	0.185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Base Rate, if Floating Interest ⁷	PLR	PLR	PLR	PLR	N/A	N/A	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	PLR	-	3 month LIBOR	6 month LIBOR	NA	NA
Margin, if Floating Interest ⁸	4.50%	3.50%	0.035	N/A	3.50%	N/A	N/A	4.00%	4.00%	2.50%	2.50%	3.75%	4.00%	2.25%	1.50%	4.00%	2.50%	5.66%	0.3% - First 5 years	0.5% - next 5 years	0.6% - 11th year onwards	1.60%
Are there any Caps/Floor ⁹	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
If above is yes, specify caps/floor ⁹	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Moratorium Period ¹⁰	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	24 months	6 months	6 months	12 months
Moratorium effective from ¹¹	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	June 03	Jan 03	Jan 03	Jan 03	June 03
Repayment Period ¹¹	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	11 Year	12 Year	12 Year	12 Year	10 Year	10 Year
Repayment effective from ¹²	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	July 05	Oct 03	July 03	July 03	Sept 04	Sept 04
Repayment Frequency ¹²	4 equal instalments per year in consecutive months of July; Avg. Sep and Oct except PFC in 39 instalments and IIBI in 48 instalments																		HLV(Apr/Oct)	LLV(July/Jan)		OLV
Repayment Instalment ^{13,14}	3.41	4.25	3.41	21.75	0.34	0.28	1.68	1.14	1.14	1.14	1.14	1.18	0.57	0.57	0.34	0.57	0.47	0.47	0.47	0.48	0.07	1.69
Base Exchange Rate ¹⁶																						

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc

² Currency refers to currency of loan such as US\$, Euro, DM, Yen, Indian Rupee etc

³ Details are to be submitted as on 31.03.2007 for existing assets and as on COD for the remaining assets.

⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

⁶ Interest type means whether the interest is fixed or floating

⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed

⁸ Margin means the points over and above the floating rate

⁹ At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

¹⁰ Moratorium period means the repayment of loan such as 7 years, 10 years, 25 years etc.

¹¹ Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc

¹² Where there is more than one drawl/repayment for a loan, the date & amount of each drawl/repayment may also be given separately

¹³ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.

¹⁴ In case of Foreign loan, date of each drawl & repayment alongwith exchange rate at that date may be given.

¹⁵ Base exchange rate means the exchange rate prevailing as on 31.03.2007 for existing assets and as on COD for the remaining assets.



Name of the Company
 Himachal Baspa Power Company Limited
 Baspa II (300 MW)
 Name of the Power Station

Particulars	Package23	Package24	Package25	Package26	Package27	Package28	Package29	Package30	Package31	Package32	Package33	Package34	Package35	Package36	Package37	Package38	Package39	Package40	Package41	Package42	Package43
Source of Loan ¹	Yes Bank	SBI	PNB	Allahabad Bank	United Bank	Uco Bank	OBC	Andhra Bank	IDBI Bank	Normative Loan	Normative Loan	State Bank of India	Syndicate Bank	Central Bank of India	L&T Infra Finance Co	Allahabad Bank	Vijaya Bank	Punjab National Bank	Axis Bank	State Bank of India (SBH)	Loan
Currency ²	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Amount of Loan sanctioned	75	170	170	170	111	111	111	56	56	60	41.37	1.8	503	86	86	57	57	57	47	23	7.74
Amount of Gross Loan drawn upto 31.03.2013/COD ^{3,4,5,15}	25.75	170	170	170	111	111	111	56	56	60	41.37	1.8	503	86	86	57	57	57	47	23	7.74
Interest Type ⁶	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating
Fixed Interest Rate, if applicable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Base Rate, if Floating Interest ⁷	PLR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR	SBAR
Margin, if Floating Interest ⁸	-3.15%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	1.15%
Are there any Caps/Floor ⁹	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
If above is yes, specify caps/floor ¹⁰	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mortuam Period ¹¹	10 months	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mortuam effective from ¹¹	Sept. 06	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Repayment Period ¹¹	9 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year	14 Year
Repayment effective from ¹¹	July 07	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10	July 10
Repayment Frequency ¹²	QLY																				
4 installments per year in consecutive months of July, Aug, Sep and Oct																					
4 installments every year from July to October and bullet instalment of 50% in March 2030																					
Repayment Instalment ^{13,14}	2.34																				
Base Exchange Rate ¹⁶	0.18																				

(Amount in Cr)



043

(Details only in respect of loans applicable to the project under petition)

Name of the Company
Name of the Power Station

JSW Hydro Energy Limited
 Baspa II (300MW) HEP

044

Financial Year (Starting from COD)		(Amount in Cr)		
		FY 2019-20 to 2023-24		
	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. crore)
Currency (US\$)				
Balance B/F				
At the date of Drawl²				
Sub Total Withdrawals				
Scheduled repayment date of principal				
Repayment to Credit Agricole				
Repayment to IDBI Bank				
Repayment to HypoBank				
Repayment to Siemens Financials				
Repayment to IDBI Bank				
Repayment to Credit Agricole				
Repayment to IDBI Bank				
Repayment to HypoBank				
Repayment to Siemens Financials				
Repayment to IDBI Bank				
Sub Total Repayments				
Scheduled payment date of interest				
Interest to Credit Agricole				
Interest to IDBI Bank				
Interest to HypoBank				
Interest to Siemens Financials				
Interest to IDBI Bank				
Interest to Credit Agricole				
Interest to IDBI Bank				
Interest to HypoBank				
Interest to Siemens Financials				
Interest to IDBI Bank				
Cl. Bal. at the end of Financial year		0.00	0.00	0.00

Notes :-

1. ForeX rates at actuals has been considered for past period. For subsequent period, last available rates considered.



Name of the Company
Name of the Power Station

JSW Hydro Energy Limited
Baspa II (300MW) HEP

(Amount in Crs)

S No	Particulars	FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		
		Actual		Actual		Estimated		Projected		Projected		Projected		Projected		Projected		
1	IBBI Loan																	
	Gross loan - Opening	84.96		84.96		84.96		84.96		84.96		84.96		84.96		84.96		84.96
	Cumulative repayments of Loans upto previous	84.96		84.96		84.96		84.96		84.96		84.96		84.96		84.96		84.96
	Net loan - Opening	-		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	-		-		-		-		-		-		-		-		-
	Rate of Interest on Loan	-		-		-		-		-		-		-		-		-
	Interest on loan	-		-		-		-		-		-		-		-		-
2	Axis Bank Ltd																	
	Gross loan - Opening	136.22		136.22		136.22		136.22		136.22		136.22		136.22		136.22		136.22
	Cumulative repayments of Loans upto previous	136.22		136.22		136.22		136.22		136.22		136.22		136.22		136.22		136.22
	Net loan - Opening	-		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	-		-		-		-		-		-		-		-		-
	Rate of Interest on Loan	-		-		-		-		-		-		-		-		-
	Interest on loan	-		-		-		-		-		-		-		-		-
3	IFCI Ltd (taken over from IIBI)																	
	Gross loan - Opening	13.65		13.65		13.65		13.65		13.65		13.65		13.65		13.65		13.65
	Cumulative repayments of Loans upto previous	12.52		13.65		13.65		13.65		13.65		13.65		13.65		13.65		13.65
	Net loan - Opening	1.13		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	0.57		-		-		-		-		-		-		-		-
	Rate of Interest on Loan #	10.50%		-		-		-		-		-		-		-		-
	Interest on loan	0.04		-		-		-		-		-		-		-		-
4	ICICI Bank Ltd																	
	Gross loan - Opening	150.00		150.00		150.00		150.00		150.00		150.00		150.00		150.00		150.00
	Cumulative repayments of Loans upto previous	150.00		150.00		150.00		150.00		150.00		150.00		150.00		150.00		150.00
	Net loan - Opening	-		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year \$	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	-		-		-		-		-		-		-		-		-
	Rate of Interest on Loan	-		-		-		-		-		-		-		-		-
	Interest on loan #	-		-		-		-		-		-		-		-		-
5	LJC																	
	Gross loan - Opening	15.00		15.00		15.00		15.00		15.00		15.00		15.00		15.00		15.00
	Cumulative repayments of Loans upto previous	15.00		15.00		15.00		15.00		15.00		15.00		15.00		15.00		15.00
	Net loan - Opening	-		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	-		-		-		-		-		-		-		-		-
	Rate of Interest on Loan	-		-		-		-		-		-		-		-		-
	Interest on loan	-		-		-		-		-		-		-		-		-
6	Bank of Baroda																	
	Gross loan - Opening	50.00		50.00		50.00		50.00		50.00		50.00		50.00		50.00		50.00
	Cumulative repayments of Loans upto previous	50.00		50.00		50.00		50.00		50.00		50.00		50.00		50.00		50.00
	Net loan - Opening	-		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	-		-		-		-		-		-		-		-		-
	Rate of Interest on Loan	-		-		-		-		-		-		-		-		-
	Interest on loan	-		-		-		-		-		-		-		-		-
7	Punjab National Bank																	
	Gross loan - Opening	49.41		49.41		49.41		49.41		49.41		49.41		49.41		49.41		49.41
	Cumulative repayments of Loans upto previous	49.41		49.41		49.41		49.41		49.41		49.41		49.41		49.41		49.41
	Net loan - Opening	-		-		-		-		-		-		-		-		-
	Add: Drawal(s) during the Year																	
	Less: Repayment (s) of Loans during the year	-		-		-		-		-		-		-		-		-
	Net loan - Closing	-		-		-		-		-		-		-		-		-
	Average Net Loan	-		-		-		-		-		-		-		-		-
	Rate of Interest on Loan	-		-		-		-		-		-		-		-		-
	Interest on loan	-		-		-		-		-		-		-		-		-





S No	Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
		Actual	Actual	Estimated	Projected	Projected	Projected	Projected	Projected
8	Indian Overseas Bank								
	Gross loan - Opening	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
	Cumulative repayments of Loans upto previous	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
	Net loan - Opening	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-
9	State Bank of Indore								
	Gross loan - Opening	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
	Cumulative repayments of Loans upto previous	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
	Net loan - Opening	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-
10	State Bank of Hyderabad								
	Gross loan - Opening	22.02	22.02	22.02	22.02	22.02	22.02	22.02	22.02
	Cumulative repayments of Loans upto previous	22.02	22.02	22.02	22.02	22.02	22.02	22.02	22.02
	Net loan - Opening	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-
11	IFCI Ltd								
	Gross loan - Opening	47.82	47.82	47.82	47.82	47.82	47.82	47.82	47.82
	Cumulative repayments of Loans upto previous	47.82	47.82	47.82	47.82	47.82	47.82	47.82	47.82
	Net loan - Opening	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-
12	IDBI Bank Ltd								
	Gross loan - Opening	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Cumulative repayments of Loans upto previous	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Net loan - Opening	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-
13	Normative Loan-1								
	Gross loan - Opening	41.37	41.37	41.37	41.37	41.37	41.37	41.37	41.37
	Cumulative repayments of Loans upto previous	33.85	37.61	41.37	41.37	41.37	41.37	41.37	41.37
	Net loan - Opening	7.52	3.76	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	3.76	3.76	-	-	-	-	-	-
	Average Net Loan	3.76	3.76	-	-	-	-	-	-
	Rate of Interest on Loan	5.64	1.88	-	-	-	-	-	-
	Interest on loan	10.50%	10.50%	-	-	-	-	-	-
		0.59	0.14	-	-	-	-	-	-
13A	Normative Loan-2								
	Gross loan - Opening	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
	Cumulative repayments of Loans upto previous	0.94	1.12	1.30	1.48	1.66	1.80	1.80	1.80
	Net loan - Opening	0.86	0.68	0.50	0.32	0.14	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	0.18	0.18	0.18	0.18	0.14	-	-	-
	Net loan - Closing	0.68	0.50	0.32	0.14	-	-	-	-
	Average Net Loan	0.77	0.59	0.41	0.23	0.07	-	-	-
	Rate of Interest on Loan	10.50%	10.50%	10.50%	9.10%	9.10%	-	-	-
	Interest on loan	0.08	0.05	0.03	0.02	0.00	-	-	-

S No	Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
		Actual	Actual	Estimated	Projected	Projected	Projected	Projected	Projected
19	Rupee Term Loans								
	Gross loan - Opening	949.00	949.00	949.00	950.92	952.96	953.95	955.28	956.74
	Less: Cumulative repayments of Loans upto previous year	939.49	944.56	948.50	948.68	949.04	949.54	949.99	950.66
	Net loan - Opening	9.51	4.44	0.50	2.24	3.93	4.41	5.30	6.18
	Add: Drawal(s) during the Year	-	-	1.92	2.04	0.99	1.33	1.45	-
	Less: Repayment (s) of Loans during the year	5.07	3.94	0.18	0.35	0.50	0.45	0.57	0.70
	Net loan - Closing	4.44	0.50	2.24	3.93	4.41	5.30	6.18	5.48
	Average Net Loan	6.97	2.47	1.37	3.08	4.17	4.86	5.74	5.83
	Rate of Interest on Loan								
	Interest on loan	0.72	0.19	0.03	0.18	0.32	0.37	0.45	0.51
	Actual Payment of FCI, in Rs								
20	Foreign Currency Loans								
	Gross loan - Opening	203.45	203.45	203.45	203.45	203.45	203.45	203.45	203.45
	Cumulative repayments of Loans upto previous year	203.45	203.45	203.45	203.45	203.45	203.45	203.45	203.45
	Net loan - Opening	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest on loan	-	-	-	-	-	-	-	-
	Actual Payment of FCI, in Rs	-	-	-	-	-	-	-	-
	forex fluctuation	-	-	-	-	-	-	-	-
21	Total Loan								
	Gross loan - Opening	1,152.45	1,152.45	1,152.45	1,154.37	1,156.41	1,157.40	1,158.73	1,160.18
	Cumulative repayments of Loans upto previous year	1,156.37	1,161.44	1,165.38	1,152.13	1,152.48	1,152.98	1,153.43	1,154.00
	Net loan - Opening	9.51	4.44	0.50	2.24	3.93	4.41	5.30	6.18
	Add: Drawal(s) during the Year	-	-	1.92	2.04	0.99	1.33	1.45	-
	Less: Repayment (s) of Loans during the year	5.07	3.94	0.18	0.35	0.50	0.45	0.57	0.70
	Net loan - Closing	4.44	0.50	2.24	3.93	4.41	5.30	6.18	5.48
	Average Net Loan	6.97	2.47	1.37	3.08	4.17	4.86	5.74	5.83
	Interest on loan	0.72	0.19	0.03	0.18	0.32	0.37	0.45	0.51

¹ In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



JSW Hydro Energy Limited
Baspa II (300MW) HEP

Name of the Company
Name of the Power Station

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S No	Particulars	FY 2016-17		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
		Actual	Actual	Actual	Estimated	Projected	Projected	Projected	Projected	Projected
1 Credit Agricole	Gross loan - Opening	17.85	17.85	17.85	17.85	17.85	17.85	17.85	17.85	17.85
	Cumulative repayments of Loans upto previous year	17.85	17.85	17.85	17.85	17.85	17.85	17.85	17.85	17.85
	Net loan - Opening	-	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-	-
2 Hypovereinsbank	Gross loan - Opening	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30
	Cumulative repayments of Loans upto previous year	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30
	Net loan - Opening	-	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-	-
3 Siemens Financials	Gross loan - Opening	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48
	Cumulative repayments of Loans upto previous year	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48
	Net loan - Opening	-	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-	-
4 IDBI Bank Ltd -FCL	Gross loan - Opening	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
	Cumulative repayments of Loans upto previous year	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
	Net loan - Opening	-	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-	-
5 Foreign Currency Loans	Gross loan - Opening	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25
	Cumulative repayments of Loans upto previous year	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25
	Net loan - Opening	-	-	-	-	-	-	-	-	-
	Add: Drawal(s) during the Year	-	-	-	-	-	-	-	-	-
	Less: Repayment (s) of Loans during the year	-	-	-	-	-	-	-	-	-
	Net loan - Closing	-	-	-	-	-	-	-	-	-
	Average Net Loan	-	-	-	-	-	-	-	-	-
	Rate of Interest on Loan	-	-	-	-	-	-	-	-	-
	Interest on loan	-	-	-	-	-	-	-	-	-

¹ In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be



Name of the Company
Name of the Power StationJSW Hydro Energy Limited
Baspa II (300MW) IIEP

(Amount in Cr)

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Sl. No.	Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee
1	Loans									
1.1	Foreign Loans									
1.1.1	Foreign Loan 1									
	Draw down Amount									
	IDC									
	Financing charges									
1.1.2	Foreign Loan 2									
	Draw down Amount									
	IDC									
	Financing charges									
1.1.3	--									
--	--									
--	--									
1.1	Total Foreign Loans									
	Draw down Amount									
	IDC									
	Financing charges									
1.2	Indian Loans									
1.2.1	Indian Loan 1									
	Draw down Amount	--	--		--	--		--	--	
	IDC	--	--		--	--		--	--	
	Financing charges	--	--		--	--		--	--	
1.2.2	Indian Loan 2									
	Draw down Amount	--	--		--	--		--	--	
	IDC	--	--		--	--		--	--	
	Financing charges	--	--		--	--		--	--	
1.2.3	--	--	--		--	--		--	--	
--	--	--	--		--	--		--	--	
--	--	--	--		--	--		--	--	
1.2	Total Indian Loans									
	Draw down Amount	--	--		--	--		--	--	
	IDC	--	--		--	--		--	--	
	Financing charges	--	--		--	--		--	--	
1	Total of Loans drawn									
	IDC									
	Financing charges									
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn	--	--		--	--		--	--	
	Total equity deployed									

Not Applicable

Project Commissioned on 08th June 2003

Note: Drawal of debt and equity shall be on paripassu basis to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible.



Name of the Company
Name of the Power Station

JSW Hydro Energy Limited
Baspa II (300MW) HEP

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(Amount in Rs Cr)

Particulars	Package1	Package2	Package3	Package4	Package5	Remarks
1	2	3	4	5	6	7
Source of Loan ¹						
Currency ²						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2009/COD ^{3,4,5,13,15}						
Interest Type ⁶						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor ⁹						
If above is yes,specify caps/floor						
Moratorium Period ¹⁰	Not Applicable					
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are foreign currency loans hedged?						
If above is yes,specify details ¹⁷						

Distribution of loan packages to various projects	
Name of Projects	Total
Project 1	
Project 2	
Project 3 and so on	



JSW Hydro Energy Limited (Baspa II HEP)

Details of Expenses Capitalised

Form No: F9

(Rs Crores)

Sl.No.	Particulars	PY2	PY1	CY	Control Period							
		FY17	FY18		FY19	FY20	FY21	FY22	FY23	FY24		
1	Interest & Finance charges Capitalised - Restoration & Protection of Pothead Yard											
2	Other expenses capitalised:											
a.	Employee expenses	-	-	-	-	-	-	-	-	-	-	-
b.	R&M Expenses	-	-	-	-	-	-	-	-	-	-	-
c.	A&G Expenses	-	-	-	-	-	-	-	-	-	-	-
d.	Depreciation	-	-	-	-	-	-	-	-	-	-	-
e.	Others, if any											
i	Protection Works of Barrage											
ii	Restoration & Protection of Pothead Yard											
iii	Additional cost of ICF											
iv	Compensation for Land											
	Sub-total	-	-	-	-	-	-	-	-	-	-	-
	Grand Total	-	-	-	-	-	-	-	-	-	-	-

Not Applicable



JSW Hydro Energy Limited (Baspa II HEP)

Contributions, Grants and subsidies towards Cost of Capital Assets

Form No: F10

(Rs Crores)

SI No	Particulars	Previous Year		Current Year		Ensuing Year			
		Balance at the beginning of the year	Additions during the year	Balance at the end of the year	Balance at the end of the year	Additions during the year	Balance at the end of the year	Additions during the year	Balance at the end of the year
		FY(n-2)		FY(n-1)	FY(n)	FY(n+1)	FY(n+2)	FY(n+3)	
1	Subsidies Towards Cost Of Capital Asset								
2	Grant Towards Cost Of Capital Assets								
	Total								

Not Applicable



Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2016-2017					
	A SHARE CAPITAL					
1	Equity Capital	489.72	-		489.72	
	B RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
	C SURPLUS					
1	Surplus	91.59	47.22		138.81	
2	Sub-total of Surplus	91.59	47.22		138.81	
	D Net Worth (A + B + C)	581.31	47.22		628.53	

Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2017-2018					
	A SHARE CAPITAL					
1	Equity Capital	489.72	-		489.72	
	B RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
	C SURPLUS					
1	Surplus	138.81	45.64		184.45	
2	Sub-total of Surplus	138.81	45.64		184.45	
	D Net Worth (A + B + C)	628.53	45.64		674.17	



JSW Hydro Energy Limited (Baspa II HEP)

Form No: F11

Share Capital and Reserves & Surplus

Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2018-2019					
	A SHARE CAPITAL					
1	Equity Capital	489.72	0.82	-	490.55	055
	B RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
	C SURPLUS					
1	Surplus	184.45	25.58	0.00	210.03	
2	Sub-total of Surplus	184.45	25.58	0.00	210.03	
	D Net Worth (A + B + C)	674.17	26.40	0.00	700.58	

Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2019-2020					
	A SHARE CAPITAL					
1	Equity Capital	490.55	0.87	-	491.42	
	B RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
	C SURPLUS					
1	Surplus	210.03	37.82	0.00	247.85	
2	Sub-total of Surplus	210.03	37.82	0.00	247.85	
	D Net Worth (A + B + C)	700.58	38.69	0.00	739.27	



JSW Hydro Energy Limited (Baspa II HEP)

Form No: F11

Share Capital and Reserves & Surplus

Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2020-2021					
A	SHARE CAPITAL					
1	Equity Capital	491.42	0.42	-	491.84	
B	RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
C	SURPLUS					
1	Surplus	247.85	37.83	0.00	285.67	
2	Sub-total of Surplus	247.85	37.83	0.00	285.67	
D	Net Worth (A + B + C)	739.27	38.25	0.00	777.52	

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Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2021-2022					
A	SHARE CAPITAL					
1	Equity Capital	491.84	0.57	-	492.42	
B	RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
C	SURPLUS					
1	Surplus	285.67	37.84	0.00	323.51	
2	Sub-total of Surplus	285.67	37.84	0.00	323.51	
D	Net Worth (A + B + C)	777.52	38.41	0.00	815.92	



JSW Hydro Energy Limited (Baspa II HEP)

Share Capital and Reserves & Surplus

Form No: F11

Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2022-2023					
	A SHARE CAPITAL					
1	Equity Capital	492.42	0.62	-	493.04	
	B RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
	C SURPLUS					
1	Surplus	323.51	37.85	0.00	361.36	
2	Sub-total of Surplus	323.51	37.85	0.00	361.36	
	D Net Worth (A + B + C)	815.92	38.47	0.00	854.40	

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Sl. No.	Particulars	Opening Balance	Additions during the year	Withdrawals (Purpose to be indicated in the remarks column)	Closing Balance	Remarks
	Financial Year 2023-2024					
	A SHARE CAPITAL					
1	Equity Capital	493.04	-	-	493.04	
	B RESERVES					
1	General Reserve					
2	Capital Reserve					
3	Sinking Fund Reserve for repayment of Borrowings					
4	Material Cost variance reserve					
5	Exchange rate variance reserve					
6	Property Insurance reserve					
7	Sub-total of Reserves	0.00	0.00	0.00	0.00	
	C SURPLUS					
1	Surplus	361.36	37.85	0.00	399.21	
2	Sub-total of Surplus	361.36	37.85	0.00	399.21	
	D Net Worth (A + B + C)	854.40	37.85	0.00	892.25	



Working Capital Requirements

JSW Hydro Energy Limited (Baspa II HEP)

Form No: F12

(Rs Crores)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
		Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	O&M Expenses	38.70	40.30	41.99	43.75	45.54	47.42	49.38	51.37
1.1	Net R&M expenses								
1.2	Net A&G expenses								
1.3	Net Employee expenses								
1.4	1/12th of total	3.22	3.36	3.50	3.65	3.80	3.95	4.12	4.28
2.1	Maintenance Spares @ 12% of O&M Expenses	4.64	4.84	5.04	5.25	5.46	5.69	5.93	6.16
3	Receivables								
3.1	Annual Revenue from Tariff and charges	182.46	184.50	163.88	224.64	279.75	282.02	284.44	286.72
3.2	Receivables equivalent to 2 months average billing	30.41	30.75	27.31	37.44	46.63	47.00	47.41	47.79
4	Total Working capital (1.4+2.1+3.2)	38.28	38.94	35.85	46.34	55.89	56.64	57.45	58.23
5	Rate of Interest as on 1st april of each year	14.05%	13.85%	13.45%	13.45%	13.45%	13.45%	13.45%	13.45%
6	Interest on Working capital	5.38	5.39	4.82	6.23	7.52	7.62	7.73	7.83
Control Period									



GENERATION PROGRAMME FROM 2019-20 to 2023-24

Part : A GENERATION WORKS PROPOSED

S. No.	PARTICULARS	Estimated Cost (Rs Crores)	Cumulative Expenditure till March 2005 (Rs Crores)	Fund Requirement (Rs Crores) (3 - 4)	Schedule of Commissioning / COD	Yearwise Fund Requirement (Rs. Crores)						Funding Agency / Remarks		
						FY (n-2)	FY (n-1)	FY (n)	CY	EY	FY		EY	FY
1														
2														
3														
	Not Applicable													
	Total													



GENERATION PROGRAMME FROM 2019-20 to 2023-24

S. No.	Particulars	FY (n-2)			FY (n-1)			FY (n)						
		Opening Balance	Additions	Capitalis ation	Adjustme nts	Closing Balance	Additions	Capitalis ation	Adjustme nts	Closing Balance	Additions	Capitalis ation	Adjustme nts	Closing Balance
1	Project 1													
2	Project 2													
3	Project 3													
	TOTAL													

Not-Applicable



JSW Hydro Energy Limited (Baspa II HRP)
Income tax Calculation
(in terms of clause 8.11 of PPA)

Annexure I to Form SI

Particulars	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Return on equity	78.36	78.49	78.63	78.70	78.79	78.89	78.89
Add: Book depreciation	3.94	0.18	32.06	70.43	70.49	70.58	70.67
Less: Income tax depreciation (SLM)	-55.05	-55.15	-55.25	-55.30	-55.36	-55.43	-55.43
Add: 50% of incentive							
Secondary energy	17.90	7.87	13.97	13.98	14.00	14.02	14.02
PAFM	4.90	4.91	4.91	4.92	4.92	4.93	4.93
Taxable income	50.04	36.29	74.32	112.73	112.84	112.98	113.07
Income tax rate (%) *	21.34	34.94	34.94	34.94	34.94	34.94	34.94
Tax (as per PPA clause 8.11.1)	10.68	12.68	25.97	39.39	39.43	39.48	39.51

1. * Income tax under MAT provisions were payable till FY 2017-18 for Karcham Wangtoo unit and JSW Hydro Energy Limited company as a whole (including Baspa II). Due to change in depreciation accounting for Karcham Wangtoo, from FY 2018-19, normal tax rate shall apply to Karcham Wangtoo and MAT credit shall be utilised accordingly. Baspa II has already utilised the tax holiday and normal tax rate shall be applicable.

2. Normal Income tax rate = 30% + 12% Surcharge + 4% Education Cess
MAT rate = 18.5% + 12% surcharge + 3% Education Cess



Capital Cost and means of Finance for Baspa II HEP

Capital Cost		Rs. Crore
Approved vide order dated	24.2.2007	1,533.96
	24.1.2011	95.88
	6.6.2014	2.57
		<u>1,632.41</u>

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
	Estimated	Projected	Projected	Projected	Projected	Projected
Capital cost						
Opening project cost	1,632.41	1,635.16	1,638.07	1,639.48	1,641.39	1,643.46
Additional capitalisation	2.75	2.91	1.41	1.91	2.08	-
Closing project cost	1,635.16	1,638.07	1,639.48	1,641.39	1,643.46	1,643.46
Means of Finance: Loans						
Opening gross loan	1,142.69	1,144.61	1,146.65	1,147.64	1,148.97	1,150.42
Addition (normative loan @ 70%)	1.92	2.04	0.99	1.33	1.45	-
Closing gross loan	1,144.61	1,146.65	1,147.64	1,148.97	1,150.42	1,150.42
Equity						
Opening equity	489.72	490.55	491.42	491.84	492.42	493.04
Addition (normative @ 30%)	0.82	0.87	0.42	0.57	0.62	-
Closing equity	490.55	491.42	491.84	492.42	493.04	493.04



Operation & Maintenance cost (in terms of schedule XI of PPA)

Particulars	Financial Year ending 31st March							
	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Base O & M Exp. (excluding additional capitalisation and ICF facility)	34.62	35.96	37.35	38.80	40.30	41.87	43.49	45.18
Adtl. O & M Exp. towards additional capitalisation Rs. 94.08 crore	1.79	1.86	1.94	2.01	2.09	2.17	2.25	2.34
Adtl. O & M Exp. towards additional capitalisation Rs. 11.05 crore	-	-	0.07	0.14	0.18	0.24	0.31	0.32
O & M Exp. towards ICF Rs. 67.23 crore (62.86+1.80+2.57)	1.99	2.11	2.23	2.37	2.51	2.66	2.82	2.99
Service tax / GST on ICF O & M exp.	0.30	0.36	0.40	0.43	0.45	0.48	0.51	0.54
Total	38.70	40.30	41.99	43.75	45.54	47.42	49.38	51.37
Note:								
CPI Index: March 2001 base = 100	275.0	287						
WPI Index: March 2011-12 base = 100	113.2	116.3						
CPI Increase	2.61%	4.36%						
WPI Increase	5.11%	2.74%						
CPI Weightage	0.7	0.7						
WPI Weightage	0.3	0.3						
Escalation for O & M	3.36%	3.88%	3.88%	3.88%	3.88%	3.88%	3.88%	3.88%
Escalation for ICF	2.48%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%

For 2018-19 onwards, escalation factor is considered same as of escalation % of 2017-18. Escalation for ICF @ 6% is considered as per SJVN bill dated 20.9.2018
 GST @ 18% replaced service tax effective from 1.7.17



JSW Hydro Energy Limited (Baspa II HEP)
 Depreciation & Advance against depreciation

Annexure 4

Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1/12 of the Loans	95.22	95.22	95.38	95.55	95.64	95.75	95.87	95.87
Repayment of Loans	5.08	3.94	0.18	0.35	0.50	0.45	0.57	0.70
Minimum of the above	5.08	3.94	0.18	0.35	0.50	0.45	0.57	0.70
Less: Depreciation during the year	70.19	70.19	70.19	70.31	70.43	70.49	70.58	70.67
A	(65.12)	(66.25)	(70.01)	(38.25)	-	-	-	-
E=C-D	(65.12)	(66.25)	(70.01)	(38.25)	-	-	-	-
Cumulative Repayment of Loans	1,163.50	1,167.44	1,167.62	1,167.98	1,168.48	1,168.93	1,169.50	1,170.20
F	1,163.50	1,167.44	1,167.62	1,167.98	1,168.48	1,168.93	1,169.50	1,170.20
Less: Cumulative Depreciation	1,193.47	1,198.54	1,202.48	1,202.78	1,234.97	1,305.46	1,376.04	1,446.70
G	1,193.47	1,198.54	1,202.48	1,202.78	1,234.97	1,305.46	1,376.04	1,446.70
B	-	-	-	-	-	-	-	-
H=F-G	-	-	-	-	-	-	-	-
I	(65.12)	(66.25)	(70.01)	(38.25)	-	-	-	-
Advance against depreciation	(65.12)	(66.25)	(70.01)	(38.25)	-	-	-	-
J=D+I	5.08	3.94	0.18	32.06	70.43	70.49	70.58	70.67
Depreciation + AAD	5.08	3.94	0.18	32.06	70.43	70.49	70.58	70.67



Incentive for Higher Plant Availability

Year	Plant availability (actual/estimated)	Equity (Rs Crs)	Rate of Incentive		Incentive for Higher plant availability (Rs Crs)
FY 2017-18	98.59%	489.72	Incentive due @ 2% (0.35% * (98.59%-90%) subject to maximum of 2%		9.79
FY 2018-19	97.00%	490.55	Incentive due @ 2% (0.35% * (97.00%-90%) subject to maximum of 2%		9.81
FY 2019-20	97.00%	491.42	Incentive due @ 2% (0.35% * (97.00%-90%) subject to maximum of 2%		9.83
FY 2020-21	97.00%	491.84	Incentive due @ 2% (0.35% * (97.00%-90%) subject to maximum of 2%		9.84
FY 2021-22	97.00%	492.42	Incentive due @ 2% (0.35% * (97.00%-90%) subject to maximum of 2%		9.85
FY 2022-23	97.00%	493.04	Incentive due @ 2% (0.35% * (97.00%-90%) subject to maximum of 2%		9.86
FY 2023-24	97.00%	493.04	Incentive due @ 2% (0.35% * (97.00%-90%) subject to maximum of 2%		9.86
					(i.e 2% of Rs 489.72 Crs)
					(i.e 2% of Rs 490.55 Crs)
					(i.e 2% of Rs 491.42 Crs)
					(i.e 2% of Rs 491.84 Crs)
					(i.e 2% of Rs 492.42 Crs)
					(i.e 2% of Rs 493.04 Crs)
					(i.e 2% of Rs 493.04 Crs)

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Average PAFM of 97% considered for projection during next 5 year of tariff cycle 2019-24



Incentive for Secondary Energy

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	Secondary Energy (MU)	Equity (Rs Crs)	Rate of Incentive for Secondary Energy	Incentive for secondary energy	
				Maximum (Rs Crs)	Eligible (Rs Crs)
FY 2017-18	113.30	489.72	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	48.972	35.80
FY 2018-19	49.73	490.55	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	49.055	15.74
FY 2019-20	88.12	491.42	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	49.142	27.94
FY 2020-21	88.12	491.84	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	49.184	27.96
FY 2021-22	88.12	492.42	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	49.242	28.00
FY 2022-23	88.12	493.04	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	49.304	28.03
FY 2023-24	88.12	493.04	Incentive due @ 10% of ROE /155MU* Secondary Energy (MU) subject to maximum of 10% ROE)	49.304	28.03





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Annexure 7

COMM_NAME	COMM_CODE	COMM_WT	INDX032013	INDX032014	INDX032015	INDX032016	INDX032017	INDX032018	INDX032018
All commodities	100.000000	108.6	114.3	109.9	107.7	113.2	116.3	121.7	121.7
1 PRIMARY ARTICLES	22.61756	114.6	121.4	120.1	123.0	127.1	128.2	136.3	136.3
(A). FOOD ARTICLES	15.25585	113.5	122.9	128.7	133.4	137.6	137.3	145.8	145.8
a. FOOD GRAINS (CEREALS+)	3.46238	119.6	126.8	129.0	140.8	146.8	146.8	146.6	146.6
a1. CEREALS	2.82378	120.6	129.5	128.6	134.9	145.2	145.2	151.5	151.5
Paddy	1.43052	118.7	132.6	132.0	135.2	147.7	152.6	155.7	155.7
Wheat	1.02823	122.8	127.5	125.9	134.1	142.9	141.2	151.1	151.1
Jowar	0.06764	101.9	111.3	114.4	115.8	132.1	118.1	125.8	125.8
Bajra	0.08637	132.5	133.6	124.8	147.7	152.6	126.8	148.6	148.6
Maize	0.18927	121.8	121.0	122.4	135.8	135.2	117.3	129.3	129.3
Barley	0.01437	119.5	124.1	132.6	139.4	156.9	140.8	150.2	150.2
Ragi	0.00738	173.8	162.5	166.7	167.3	258.0	220.8	214.1	214.1
a2. PULSES	0.63860	115.2	114.9	130.8	167.0	154.0	122.3	124.9	124.9
Gram	0.26377	117.5	103.5	110.9	143.8	181.9	130.3	135.7	135.7
Arhar	0.12914	116.3	119.0	144.8	201.2	126.0	116.6	109.4	109.4
Moong	0.07088	118.3	132.6	150.7	158.7	115.4	114.1	118.1	118.1
Masur	0.05299	119.5	140.8	164.9	182.3	154.0	120.6	121.7	121.7
Urad	0.09165	96.5	108.3	133.7	198.2	151.1	112.1	110.9	110.9
Peas/Chawali	0.02444	123.2	116.7	124.7	112.4	122.2	129.0	166.9	166.9
Rajma	0.00573	164.8	183.2	155.0	155.0	163.0	134.1	132.2	132.2
b. FRUITS & VEGETABLES	3.47508	111.7	120.5	130.1	124.7	128.0	132.3	157.6	157.6
b1. VEGETABLES	1.87448	114.5	117.2	125.9	119.0	118.4	115.2	163.1	163.1
Potato	0.27737	124.1	158.3	109.2	133.2	91.1	130.5	231.6	231.6
Sweet Potato	0.02051	77.6	96.7	71.0	71.0	71.0	71.0	71.0	71.0
Onion	0.16445	159.1	126.8	185.0	133.2	110.6	157.3	162.3	162.3
Tapioca	0.07213	157.1	199.1	114.6	110.4	207.8	148.8	133.5	133.5
Ginger (Fresh)	0.02124	189.5	299.9	203.4	134.6	110.0	124.2	233.3	233.3
Peas (Green)	0.13654	103.3	128.9	174.2	142.7	121.2	99.3	0.0	0.0
Tomato	0.28446	84.1	82.1	122.7	99.4	126.1	92.7	139.2	139.2
Cauliflower	0.16697	103.6	97.9	102.7	87.5	104.8	68.5	178.5	178.5
Brinjal	0.24125	112.4	88.6	109.9	130.2	124.0	137.9	175.8	175.8
Okra (Lady finger)	0.14592	115.8	134.5	110.2	95.6	115.3	154.4	117.1	117.1
Cabbage	0.12251	79.4	79.0	126.5	115.2	90.0	83.5	174.5	174.5
Carrot	0.01874	75.3	92.0	121.3	174.7	98.5	102.8	137.7	137.7
Radish	0.03942	93.2	78.6	105.1	121.9	109.0	102.4	112.4	112.4
Cucumber	0.00906	149.5	137.6	120.7	120.7	134.7	115.3	142.4	142.4
Pointed gourd	0.00210	205.7	120.1	107.3	114.7	168.2	156.3	93.6	93.6
Bitter gourd	0.02261	174.9	174.4	193.9	136.4	214.1	112.7	93.8	93.8
Bottle gourd	0.02323	166.3	112.3	138.9	147.4	115.8	125.7	124.0	124.0
Beans	0.08309	136.9	109.5	107.6	134.8	175.4	75.4	118.9	118.9
Pumpkin	0.00465	164.2	145.1	187.9	118.5	141.1	134.4	122.6	122.6
Drumstick	0.01823	69.3	88.3	121.5	129.7	89.0	112.5	128.7	128.7
b2. FRUITS	1.60060	108.4	124.5	135.1	131.4	139.3	152.2	151.2	151.2
Banana	0.32937	118.0	136.3	142.9	129.3	145.0	152.8	141.7	141.7
Mango	0.46209	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apple	0.07505	116.3	114.5	100.5	95.6	131.5	109.9	88.9	88.9
Orange	0.12653	110.0	109.2	112.3	108.1	122.6	121.2	0.0	0.0
Cashew nut	0.06583	98.3	115.3	128.5	144.4	171.1	181.0	168.6	168.6
Coconut (Fresh)	0.07873	112.4	141.6	183.2	159.9	161.8	222.6	214.2	214.2
Papaya	0.06368	66.0	74.5	69.8	70.6	62.1	69.3	83.0	83.0
Grapes	0.04932	92.2	98.0	108.1	119.4	105.2	111.1	123.2	123.2
Pineapple	0.03089	130.2	126.7	130.6	140.5	137.8	144.3	181.3	181.3
Guava	0.04560	82.1	146.3	209.3	285.1	230.8	297.0	265.7	265.7
Litchi	0.02955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lemon	0.06575	103.8	144.1	147.3	163.8	115.4	149.3	164.3	164.3
Sapota	0.02814	112.2	105.8	116.8	91.1	88.6	111.0	225.3	225.3
Mosambi (Sweet Orange)	0.02521	95.6	94.2	113.6	112.2	133.0	114.9	109.2	109.2
Pomegranate	0.02122	104.9	114.4	105.4	72.1	82.7	78.7	72.5	72.5
Amla	0.01837	110.1	123.1	157.2	131.4	136.9	200.1	169.3	169.3
Jackfruit	0.02458	130.8	147.1	159.1	107.8	198.0	228.8	118.9	118.9
Pear	0.01001	83.2	146.8	158.5	131.5	142.6	134.7	113.9	113.9
Almonds	0.02469	104.1	127.8	152.8	158.8	178.0	189.1	190.8	190.8
Walnut	0.02599	140.4	155.8	172.7	171.1	192.0	180.8	186.1	186.1
c. MILK	4.43999	109.8	121.6	129.2	131.7	136.5	140.7	144.1	144.1
Milk	4.43999	109.8	121.6	129.2	131.7	136.5	140.7	144.1	144.1
d. EGGS, MEAT & FISH	2.40156	120.2	127.6	129.3	135.1	134.2	133.1	135.1	135.1
Egg	0.23264	108.3	121.9	118.4	124.7	132.8	136.5	133.7	133.7
Fish-Inland	0.52500	131.2	142.3	136.4	145.9	143.0	141.6	144.6	144.6
Fish-Marine	0.42182	115.9	119.5	128.9	133.7	118.8	123.9	123.5	123.5
Mutton	0.44094	115.5	123.9	137.7	133.6	132.1	131.9	133.2	133.2
Beef and Buffalo Meat	0.16159	105.5	115.9	119.7	124.4	128.1	148.6	151.4	151.4
Poultry Chicken	0.55906	127.3	129.0	124.5	134.9	141.1	126.8	131.7	131.7
Pork	0.06051	108.7	123.0	119.5	132.4	136.3	136.6	142.5	142.5
e. CONDIMENTS & SPICES	0.52885	93.1	109.2	126.9	139.4	128.3	128.0	131.8	131.8
Black Pepper	0.02098	125.5	156.0	172.8	185.4	175.7	145.1	139.5	139.5
Chillies (Dry)	0.14056	89.7	98.3	114.4	142.6	113.5	125.4	128.7	128.7
Turmeric	0.10015	96.2	105.3	119.7	125.0	111.5	124.7	115.3	115.3
Cardamom	0.01434	102.3	108.5	132.8	116.9	151.0	126.9	115.3	115.3



PRESS RELEASE069
Annexure 8

◀◀BACK

Quarterly Report on Employment Scenario (QES) Report 7th Round 2018 ^{NEW}**Consumer Price Index Numbers for Industrial Workers on Base 2001=100****CPI(IW) Base 2001=100 Monthly Index Letter - September 2018**

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SEPTEMBER 2018	301
OCTOBER 2018	
NOVEMBER 2018	
DECEMBER 2018	

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**ALL-INDIA CONSUMER PRICE INDEX NUMBERS FOR
AGRICULTURAL AND RURAL LABOURERS**

Month	CPI-AL	CPI-RL
January 2016	849	854
February 2016	843	849
March 2016	843	848
April 2016	848	854
May 2016	860	866
June 2016	869	874
July 2016	877	881
August 2016	876	881
September 2016	873	877
October 2016	876	881
November 2016	878	883
December 2016	876	881

Month	CPI-AL	CPI-RL
January 2017	870	876
February 2017	869	874
March 2017	866	872
April 2017	870	876
May 2017	872	878



071

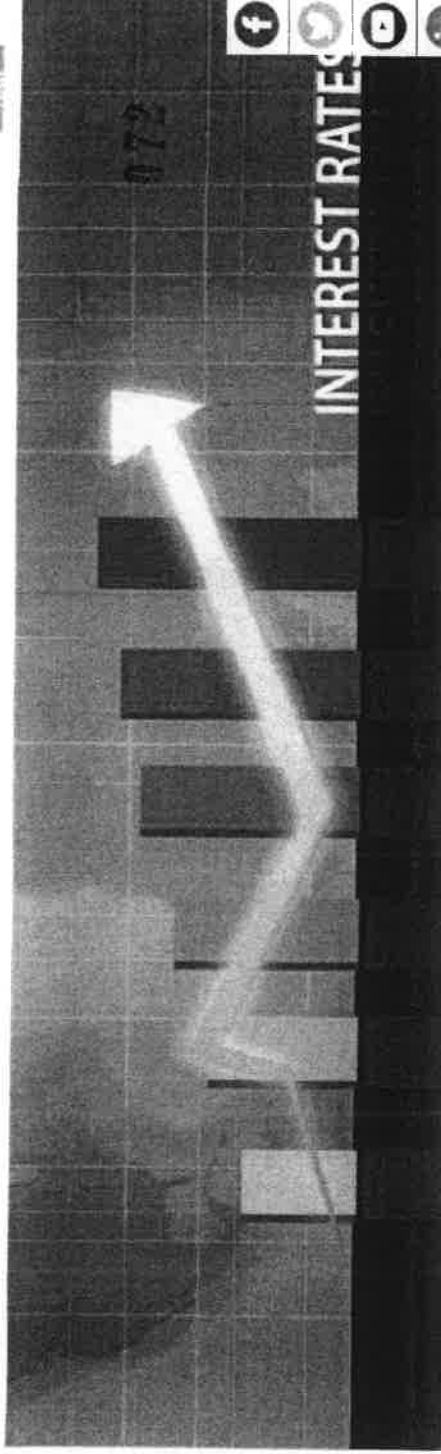
June 2017	877	884
July 2017	884	890
August 2017	894	900
September 2017	893	899
October 2017	901	907
November 2017	905	910
December 2017	900	906

Month	CPI-AL	CPI-RL
January 2018	895	901
February 2018	889	896
March 2018	887	894
April 2018	888	896
May 2018	891	899
June 2018	894	902
July 2018	902	910
August 2018	907	915
September 2018	910	917
October 2018		
November 2018		
December 2018		

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SBI Corporate Website Interest Rates Benchmark Prime Lending Rate (Historical Data)

BENCHMARK PRIME LENDING RATE (HISTORICAL DATA)

HOME	01.10.2017	13.70
Interest Rates	01.07.2018	13.70
Deposit Rates	01.04.2018	13.45
Savings Bank Deposits	01.01.2018	13.40
SBI NRI Services Interest Rates	01.10.2017	13.70
Loan Schemes Interest Rates	01.07.2017	13.75
Marginal Cost of fund based lending rate(MCLR) with effect from 01.11.2018	01.04.2017	13.85
Interest Rate For Borrowers Other Than P Segment (Commercial Loans)	01.01.2017	14.00
SME Interest Range	05.10.2015	14.05
SMEBU 10 years interest rate	08.06.2015	14.45
Interest Rates On Pre Shipment Credit And Export Bill Discounting in Foreign Currency Loans	10.04.2015	14.60
Interest Rates On FCNB Loans To Exporters Corporates	07.11.2013	14.75
Processing Fees	19.09.2013	14.55
Penal Interest & Other Charges	04.02.2013	14.45
MCLR Historical Data	27.09.2012	14.50
Benchmark Prime Lending Rate (Historical Data)	13.08.2011	14.75
Base Rate (Historical Data)	11.07.2011	14.25
Old Interest Rates (Last 10 Years)	12.05.2011	14.00
SME Segment	25.04.2011	13.25
Agricultural Segment	14.02.2011	13.00
	03.01.2011	12.75
	21.10.2010	12.50
	17.08.2010	12.25
	29.06.2009	11.75
	01.01.2009	12.25
	10.11.2008	13.00
	12.08.2008	13.75
	27.06.2008	12.75
	27.02.2008	12.25
	16.02.2008	12.50

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Himachal Baspa Power Company Limited
Karcham-Wangtoo H. E. Project
Shoftu Colony, P. O. Tapri - 172104
District Kinnaur (Himachal Pradesh)
Phone: 01786-261253/254/255
Fax : 01786-261258
CIN : U40101HP2014PLC000681

**Certified True Copy of the Resolution passed by the
Board of Directors of Himachal Baspa Power Company Limited at
its meeting held on Thursday, 26th July, 2018**

Approval of change of name of the Company

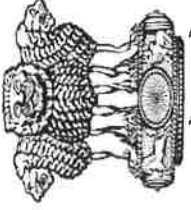
“RESOLVED THAT subject to the approval of the Members of the Company and the Registrar of Companies / Ministry of Corporate Affairs, approval of the Board be and is hereby accorded to change the name of the Company from Himachal Baspa Power Company Limited' to 'JSW Hydro Energy Limited' or such other name as may be approved by the Registrar of Companies which would satisfy the aforesaid rationale for change in name.”

RESOLVED FURTHER THAT any Director of the Company, Mr. Sanjeev Kango, Chief Financial Officer, Ms. Vrushali Karnik, Company Secretary, Mr. Jayaprakash Nair, Ms. Monica Chopra, Mr. Narendra Rahalkar, Mr. Anurag Agarwal, Mr. Abhay Yagnik, Mr. Jyotiprakash Panda, Authorised Persons be and are hereby jointly and severally authorized to file e-Forms with the Registrar of Companies / Ministry of Corporate Affairs, sign all such papers, documents, power of attorneys, indemnities, correspondence and to do and perform all such acts, deeds and things and deal with all such matters and take all such steps as may be necessary for the purpose of effecting the change in name.”

For Himachal Baspa Power Company Limited

Vrushali Karnik
Company Secretary
ACS 40813





सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

Corporate Bhawan, Plot No.-4, IIInd Floor Sec.-27B, Chandigarh, Chandigarh, India, 160019

Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

Corporate Identification Number (CIN): U40101HP2014PLC000681

I hereby certify that the name of the company has been changed from HIMACHAL BASPA POWER COMPANY LIMITED to JSW HYDRO ENERGY LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name HIMACHAL BASPA POWER COMPANY LIMITED.

Given under my hand at Chandigarh this Eleventh day of September two thousand eighteen.



MAHINDER SINGH PACHOURI

Registrar of Companies
RoC - Himachal Pradesh

Mailing Address as per record available in Registrar of Companies office:

JSW HYDRO ENERGY LIMITED

Karcham-Wangtoo H. E. Project, Sholtu Colony, P. O. Tapri, Sholtu, Kinnaur, Himachal Pradesh,
India, 172104

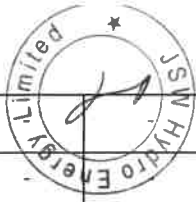


JSW HYDRO ENERGY LIMITED 300 MW BASPA-II HEP

Details of Additional Facilities and Modification Required for Baspa-II HEP During Year 2018-19 & MYT Control Period 2019-24
PPA Reference Clauses: Article 2 Section 2.2.100, Article 7 Section 7.1, Article 13 Section 13.1((b), (i), (p)) and Article 20 Section 20.21((a), (b), (e) & (h)) and
Additional Capitalization Provision in HPERC Hydro Generation Tariff Regulation 2007 & CEREC Tariff Regulation 2014

Annexure-B

Sl. NO.	DESCRIPTION OF ASSETS / WORKS	JUSTIFICATION	TENTATIVE COST (In Lacs)							TENTATIVE YEAR OF REPLACEMENT				
			2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	Upgradation of Excitation System for Unit-1, Unit-2, Unit-3	Obsolescence	92.00	-	-	119.60	131.56	-	Unit-2	-	Unit-1	-	Unit-3	-
2	Implementation of FGMO / RGMO Enabled Electronic Governors for Unit-1, Unit-2 and Unit-3	Change In Law	52.70	57.97	63.77	-	-	-	Unit-3	-	Unit-2	-	Unit-1	-
3	Installation of Carbon Dust Collection System (CDCS) for Unit-1, Unit-2, Unit-3	Prudent Utility Practices / Upgradation in Technology	39.10	43.01	47.31	-	-	-	-	Unit-1	Unit-2	Unit-3	-	-
4	Procurement of High Pressure Unit Compressor (Two sets of High Compressors (Main and Standby) are common for Unit-1, Unit-2 and Unit-3)	Obsolescence	20.18	22.20	-	-	-	-	Compressor-1	Compressor-2	-	-	-	-
5	Procurement of Articulating Boom Lift, (Up to Height- 13 Meter)	Prudent Utility Practices (New Asset)	15.74	-	-	-	-	-	✓	-	-	-	-	-
6	Procurement of Bearing (Generator and Turbine Bearing) Oil Filtration Plant	Prudent Utility Practices	14.00	-	-	-	-	-	✓	-	-	-	-	-
7	Procurement of Cooling Water AC pump (Vertical Turbine Pump)	Obsolescence	13.46	-	15.00	-	-	-	✓	-	-	-	-	-
8	(a) Upgradation of Position Sensors for Pelton Turbine Nozzles (Temposonic Sensors) for Unit-1 and Unit-3	Obsolescence	7.87	-	-	-	-	-	-	Unit-1 & Unit-3	-	-	-	-
	(b) Upgradation of Position Sensors for Pelton Turbine Detectors (Temposonic Sensors) for Unit-1, and Unit-3	Obsolescence	7.87	-	-	-	-	-	-	Unit-1 & Unit-3	-	-	-	-
9	Upgradation of Alstom Make EPAC 3000 Series, Distance Protection Relays for 400 kV Outgoing Feeders	Obsolescence	4.78	5.28	-	-	-	-	Feeder-1	Feeder-2	-	-	-	-
10	Procurement of Dewatering Pumps (Submersible Type)	Prudent Utility Practices	2.12	-	-	-	-	-	✓	-	-	-	-	-
11	Design, Supply, Installation and Commissioning of Night Glow Signage & Stainless Steel Hand Rail Inside Power House Complex	Prudent Utility Practices / Upgradation in Technology	2.00	8.00	3.00	-	-	-	First Lot	Second Lot	Third Lot	-	-	-
12	Procurement of Welding Fume Extractor System	Prudent Utility Practices / Upgradation in Technology	1.45	-	-	-	-	-	✓	-	-	-	-	-
13	Procurement of Uninterrupted Power Supply for Plant Auxiliaries	Obsolescence	1.24	-	-	-	-	-	-	-	-	-	-	-



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