

Annexure-III**SH 1/3****Pro-forma for furnishing Actual annual performance/operational data for the Hydro Electric generating stations for the 5-year period from 2017-18 to 2021-22**

	Particulars	Units	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Name of Company		SJVN Ltd					
2	Name of Station		Nathpa Jhakri Hydro Power Station (NJHPS)					
3	Installed Capacity and Configuration	(MW)	1500 MW (6x250MW)					
3.1	Date of Commercial Operation - Unit Wise		1st unit: 06.10.2003; 2nd unit: 02.01.2004; 3rd unit: 30.3.2004, 4th unit: 31.3.2004, 5th unit: 6.5.2004 & 6th unit: 18.5.2004					
3.2	Effective COD		18.05.2004					
4	Station Location	Under ground or Surface	Underground					
	Stage		NA					
5	Type of Excitation System		Static					
6	Live Storage Capacity	(Million Cubic)	3.03					
7	Rated Head	Metres	428					
8	Head at Full Reservoir Level (FRL)	Metres	486					
9	Head at Minimum Draw down Level (MDDL)	Metres	464					
10	MW Capability at FRL	MW	1500					
11	MW Capability at MDDL	MW	1500					
12	Cost of spares :							
12.1	Cost of spares capitalized in books of accounts	(Rs. Lakhs)	163.78	220.15	3318.82	4262.22	915.76	2246.3
12.2	Cost of spares included in the capital cost for the purpose of tariff	(Rs. Lakhs)	0	0	1388.80	3853.76	592.56	954.64995
	Period							
13	Generation :							
13.1	Actual Gross Generation at Generator Terminals	(MU)	7207.67	6507.13	7445.43	7098.93	7067.37	7133.002
13.2	Actual Net Generation Ex-bus including free power	(MU)	7150.08	6459.30	7394.72	7049.94	7011.59	7077.523
13.3	Scheduled generation Ex-bus including free power	(MU)	7010.79	6393.28	7381.07	6992.11	6930.77	6983.757
14	Actual Auxiliary Energy Consumption excluding colony consumption	(MU)	57.58	47.82	50.71	48.99	55.79	55.479
15	Actual Energy supplied to Colony from the station	(MU)	-	-	-	-	-	-

16	Average Declared Capacity (DC) during the year	(MW)	1512.43	1533.96	1563.21	1561.66	1579.75	1580.61
	Actual Declared Capacity		1512.43	1533.96	1563.21	1561.66	1579.75	1580.61
	Deemed Declared Capacity		1630.2					
	Actual energy supplied to beneficiaries		7010.79	6393.28	7381.07	6992.11	6930.77	6983.40
	Actual energy supplied in DSM		139.30	66.02	13.65	57.83	80.81	93.77
	Actual energy supplied in exchange		163.679	24.341	27.575	5.966	-	9.263
17	Weighted Average duration of outages (Unit-wise details)							
17.1	Scheduled outages*	(Days)	30.88	47.08	49.68	70.64	51.52	58.39
17.2	Forced outages	(Days)	1.71	3.64	6.98	4.56	2.46	2.76
	Within the control of generator		-	-	-	-	-	-
	Beyond the control of generator		1.71	3.64	6.98	4.56	2.46	2.76
	Shortfall in energy claimed / allowed	(MU)	-	142.29	-	-	-	-
18	Cost of spares actually consumed	(Rs. Lakhs)	1217.12	1364.52	1117.14	1883.95	1485.32	2516.905
19	Average stock of spares	(Rs. Lakhs)	3188.96	3236.77	3134.13	3267.49	3581.71	4069.8793

* Outage due to High Silt,Reservoir Flushing,Grid Constraint & Planned Outage.

Note:								
1	Spares capitalised in the books of Accounts but claimed/ to be claimed under additional O&M Expenses and included in sl.no.18 above	(Rs Lakhs)	155.95	187.97	130.02	408.46	323.20	1291.67
2	Insurance Spares capitalised in the books of Accounts in earlier years but claimed/ to be claimed on consumption basis under additional O&M Expenses and included in sl.no.18 above	(Rs Lakhs)	22.97	137.39	56.39	34.13	50.52	62.91

Month wise Design Energy (Existing)

Annexure-III contd. SH 2/3

Month	Period	Design Energy as approved by CEA (MU)	Month	Period	Design Energy as approved by CEA (MU)
April	1-10	92.55	October	1-10	171.31
	11-20	113.87		11-20	146.88
	21-30	146.61		21-31	147.02
May	1-10	265.59	November	1-10	129.00
	11-20	222.91		11-20	114.29
	21-31	376.07		21-30	101.78
June	1-10	301.80	December	1-10	79.67
	11-20	342.00		11-20	67.93
	21-30	342.00		21-31	71.46
July	1-10	342.00	January	1-10	66.69
	11-20	342.00		11-20	61.83
	21-31	376.20		21-31	66.84
August	1-10	342.00	February	1-10	52.10
	11-20	342.00		11-20	54.10
	21-31	376.20		21-28	41.13
September	1-10	281.85	March	1-10	61.26
	11-20	212.75		11-20	79.75
	21-30	190.57		21-31	89.79
Total					6611.79

Storage Hydro plants shall also furnish actual monthly average peaking generation in MW achieved during the period 2017-18 to 2021-22 against the monthly average peaking capability approved by CEA as per following format:

Month	Expected Avg. of daily 3-hour peaking capacity as approved by CEA	Actual monthly average of daily 3-hour peaking (MW) for the period 2017-18 to 2021-22
April		
May		
June		
July		
August		
September		
October		
November		
December		
January		
February		
March		

Annexure III contd**SH 3/3**

- 1 List of beneficiaries/customers along with allocation by GoI including (allocation of unallocated share) / capacity as contracted should also be furnished separately for each generating station.
- 2 Declared Capacity should be as per Regulation CERC Tariff Regulations including month wise information may be furnished.
- 3 Any relevant point or a specific fact having bearing on performance or operating parameters may also be highlighted or brought to the notice of the Commission.

Month wise Design Energy (Post R&M)

Month	Period	Design Energy as approved by CEA (MU)	Month	Period	Design Energy as approved by CEA (MU)
April	1-10		October	1-10	
	11-20			11-20	
	21-30			21-31	
May	1-10		November	1-10	
	11-20			11-20	
	21-31			21-30	
June	1-10		December	1-10	
	11-20			11-20	
	21-30			21-31	
July	1-10		January	1-10	
	11-20			11-20	
	21-31			21-31	
August	1-10		February	1-10	
	11-20			11-20	
	21-31			21-28	
September	1-10		March	1-10	
	11-20			11-20	
	21-30			21-31	
			Total		

PLANT AVAILABILITY/SCHEDULED PLANT LOAD FACTOR ACHIEVEDGenerating company: **SJVN Ltd**Name of Generating station: **Nathpa Jhakri Hydro Power Station (NJHPS)**Installed Capacity (MW) : **1500 MW**Normative Annual Plant Availability Factor (%) approved by Commission: **90% (Period 2014-19 & 2019-24)**

Plant Availability Factor Achieved (%)							
Month	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Reasons for shortfall in PAF achieved vis-a-vis NAPAF
April	108.300	108.300	108.300	106.770	109.930	110.098	NA
May	102.410	108.300	108.300	108.300	109.991	110.121	
June	100.000	108.300	107.726	108.300	109.987	110.121	
July	93.480	103.914	108.300	108.572	110.016	110.198	
August	101.274	85.943	104.426	109.122	108.603	104.889	
September	100.712	108.300	108.300	109.379	110.020	110.223	
October	99.239	106.342	101.574	109.379	109.817	110.223	
November	104.288	102.946	108.300	109.379	110.020	110.223	
December	108.300	88.288	108.300	109.379	110.020	110.223	
January	100.529	106.172	105.802	96.697	91.979	103.112	
February	98.142	108.300	94.304	91.433	90.374	90.595	
March	107.745	107.874	101.759	96.837	107.260	98.716	
Annual	102.053	103.506	105.480	105.375	106.596	106.653	
Plant Load Factor Achieved (%)							
Month	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Reasons for shortfall in PLF achieved vis-a-vis Target PLF
April	57.62	26	50.13	30.21	23.1	39.41	NA
May	90.54	46.08	69.41	65.07	48.81	66.44	
June	100.59	98.58	106.42	100.72	99.32	85.5	
July	95.57	103.41	105.93	108.7	109.01	105.86	
August	93.97	85.06	99.77	105.21	106.13	101.28	
September	74.45	86.73	94.67	93.87	92.67	96.18	
October	41.2	41.73	42.35	41.64	50.13	46.43	
November	27.5	28.63	28.77	26.1	29.71	29.11	
December	21.61	21.45	21.76	20.57	22.51	21.41	
January	18.05	18.38	18.94	17.99	19.49	18.56	
February	16.82	17.28	18.18	16.99	17.82	18.67	
March	17.93	19.16	21.03	18.77	24.19	20.2	
Annual	54.85	49.52	56.66	54.03	53.79	54.28	

Annexure-VII

DETAILS OF OPERATION AND MAINTENANCE EXPENSES FOR HYDRO GENERATING STATIONS

Name of the Company : SJVN LTD.

Name of the Power Station : NATHPA JHAKRI HYDRO POWER STATION

(Rs. In Lakh)

(A)	Breakup of O&M expenses	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
	1	2	3	4	5	6	7
1	Consumption of Stores and Spares	1,038.20	1,039.16	930.73	1,441.36	1,111.60	1,162.33
2	Repair and Maintenance						
2.1	For Dam, Intake, WCS, De-silting chamber	714.72	605.69	557.59	644.01	551.48	734.05
2.2	For Power House and all other works	2,506.64	2,975.93	3,009.55	2,417.68	2,878.78	3,376.62
	Sub-Total (Repair and Maintenance)	3,221.36	3,581.62	3,567.14	3,061.69	3,430.26	4,110.67
3	Insurance	3,685.01	3,578.30	3,548.94	3,640.18	3,991.08	4,346.00
4	Security	2,834.96	2,982.41	3,094.95	3,185.77	3,526.01	3,883.81
5	Administrative Expenses						
5.1	- Rent, Rates & Taxes	6.31	4.45	6.79	1.51	3.66	3.98
5.2	- Electricity Charges	1,223.16	1,236.52	980.66	793.33	943.21	834.58
5.3	- Travelling and conveyance	46.54	80.23	80.42	14.76	31.91	87.00
5.4	-Telephone, Postage etc., Communication	97.80	86.58	93.78	155.46	153.57	180.00
5.5	- Advertising (including Tender Exp)	73.38	60.51	60.15	43.13	60.20	35.92
5.6	- Donations						
5.7	- Entertainment	7.38	14.80	10.28	11.53	16.07	19.46
	Sub-Total (Administrative Expenses)	1,454.57	1,483.08	1,232.08	1,019.70	1,208.62	1,160.94
6	Employee Cost						
6.1	Salaries, wages and allowances	6,441.65	9,211.05	7,050.92	6,844.47	6,721.63	6,874.44
6.2	Staff welfare expenses	828.27	655.51	657.76	625.18	774.57	924.74
6.3	Productivity linked incentive						
6.4	Expenditure on VRS						
6.5	Ex-gratia						
6.6	Performance related pay (PRP)	732.16	1,796.52	1,536.78	1,421.33	1,094.52	1,320.56
6.7	VII Pay arrears Paid Pertaining to period prior to 2017-18 - See Note No.1 below						
	Sub-Total (Employee Cost)	8,002.08	11,663.08	9,245.45	8,890.97	8,590.72	9,119.74
7	Loss of stores						
8	Provisions						
9	Allocation of Corporate office expenses	17,374.05	20,819.91	21,257.35	24,224.02	22,872.17	24,851.53
10	Other expenses (Specify items)	2,545.67	2,730.23	9,668.79	5,944.43	6,785.53	4,950.31
11	Total (1 to 10)	40,155.91	47,877.79	52,545.43	51,408.13	51,515.99	53,585.34

12	Revenue/Recoveries, if any	32.39	40.88	38.73	59.22	35.36	62.50
13	Net Expenses	40,123.52	47,836.91	52,506.70	51,348.91	51,480.63	53,522.83
14.1	Capital spares consumed not included in (A) (1) above and not claimed/allowed by Commission for capitalisation	417.88	391.55	186.41	442.59	373.72	1354.58
14.2	Minor items/assets not included in above expenses	56.02	111.68	39.40	113.71	147.92	249.54
14.3	Net Expenses	40,597.42	48,340.14	52,732.51	51,905.21	52,002.26	55,126.95
15	Number of employees:						
15.1	Executives	298	302	297	303	302	292
15.2	Non-Executives	490	451	435	400	364	346
	Sub-Total (Total Number of employees)	788	753	732	703	666	638
15.3	Corporate Office	314	314	314	314	314	314
16	Man-MW ratio (Man/MW)	0.53	0.50	0.49	0.47	0.44	0.43
16.1	Number of employees deployed in O&M						
16.2	Executives	126	130	125	131	130	120
16.3	Non-Executives	348	309	293	258	222	204
Note:							
1	Pay Revision arrear claimed & reimbursed by Hon'ble CERC vide Tariff Order in Petition No.84/MP/2021 dt. 18.03.23 (Both NJHPS and Corporate allocation)						
	Pay Revision arrear paid from 01.01.2007 to 31.03.2017 on account of 1997 Pay Scales finalisation	(Rs.in Lac)		1842.36			
	Pay Revision arrear paid from 01.01.2017 to 31.03.2017 on account of 2017 Pay Scales finalisation	(Rs.in Lac)	570.61				

Annexure VIII

Details of actual O&M expenses (Common for Hydro /Thermal Generating Station)

Name of the Company : SJVN LTD.

Name of the Power Station : NATHPA JHAKRI HYDRO POWER STATION

(Rs. In Lakh)

Sl. No.	Item	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Consumption of stores & spares	1038.20	1039.16	930.73	1441.36	1111.60	1162.33
2	Repair & Maintenance	3221.36	3581.62	3567.14	3061.69	3430.26	4110.67
3	Insurance	3685.01	3578.30	3548.94	3640.18	3991.08	4346.00
4	Security						
4.1	CISF	2196.29	2338.83	2364.86	2456.56	2694.03	3188.17
4.2	Other than CISF	638.67	643.58	730.09	729.21	831.98	695.64
5	Water Charges	0	0	0	0	0	0.00
6	Administrative Expenses						
6.1	Rent	2.88	3.76	3.01	5.73	4.48	4.99
6.2	Electricity charges	1223.16	1236.52	980.66	793.33	943.21	834.58
6.3	Travelling & Conveyance	46.54	80.23	80.42	14.76	31.91	87.00
6.4	Communication Expenses	97.80	86.58	93.78	155.46	153.57	180.00
6.5	Advertising	3.86	4.38	15.92	13.09	21.18	18.73
6.6	Foundation Laying & Inauguration	0	0	0	0	0	0.00
6.7	Donation	0	0	0	0	0	0.00
6.8	Entertainment	7.38	14.80	10.28	11.53	16.07	19.46
6.9	Filing fee	67.50	66.00	67.18	72.00	72.41	75.20
	Subtotal (Administrative Expenses)	1449.12	1492.26	1251.26	1065.89	1242.83	1219.95
7	Employee Cost						
7.1.1	Salaries, Wages & Allowances	5253.80	7922.53	5505.84	5412.87	5312.96	5416.50
7.1.1.1	Salaries, Wages & Allowances (including loco pilots and man power associated with stone and metal picking charges and water pumping)						

7.1.1.2	Salaries, Wages & Allowances (Excluding loco pilots and man power associated with stone and metal picking charges and water pumping)						
7.1.1.3	Loco pilots						
7.1.1.4	Stone and metal picking						
7.1.1.5	Water pumping						
7.1.2	Pension	372.22	509.96	467.31	457.66	515.91	436.42
7.1.3	Gratuity	137.61	108.50	118.80	120.14	111.62	111.68
7.1.4	Provident Fund	386.56	407.53	444.20	445.78	445.34	439.88
7.1.5	Leave Encashment	291.46	262.53	514.77	408.02	335.81	469.97
7.2	Staff welfare expenses						
7.2.1	Medical expenses on superannuated employees						
7.2.2	Medical expenses on regular employees &	217.32	218.34	228.06	163.12	227.09	293.13
7.2.3 -	Uniform/Livries & safety equipment	165.63	111.00	67.74	150.37	139.32	168.51
7.2.4 -	Canteen expenses	19.62	30.29	31.43	33.94	35.59	34.03
7.2.5 -	Other staff welfare expenses	425.70	295.88	330.53	277.75	372.56	429.08
	Subtotal (Staff welfare Expenses)	828.27	655.51	657.76	625.18	774.57	924.74
7.3	Productivity linked Incentive	0	0	0	0	0	0.00
7.4	Expenditure on VRS	0	0	0	0	0	0.00
7.5	Ex-gratia	0	0	0	0	0	0.00
7.6	Performance Related Pay(PRP)	732.16	1796.52	1536.78	1421.33	1094.52	1320.56
	Sub Total (Employee Cost)	8002.08	11663.08	9245.45	8890.97	8590.72	9119.74
8	Loss of Store	0	0	0	0	0	0.00
8.1	Stores written off	0.019	3.27	2.29	0.22	347.36	0.36
8.2	Loss on disposal/ write off of fixed assets	0.047	11.42	559.44	2256.56	0.00	889.00
9	Provisions	0					
10	Prior Period Expenses	0					
11	Corporate Office expenses allocation	17,374.05	20,819.91	21,257.35	24,224.02	22,872.17	24851.53

12	Others						
12.1	Rates & Taxes	3.43	0.70	6.97	1.51	0.85	1.98
12.2	Water cess	0	0	0	0	0	0.00
12.3	Training & recruitment expenses	90.97	153.11	137.29	109.82	230.41	325.00
12.4	Tender Expenses	69.52	56.13	44.23	30.03	39.02	17.20
12.5	Guest house expenses	3.78	8.12	7.85	5.96	13.94	12.00
12.6	Education expenses	0	0	0	0	0	0.00
12.7	Community Development Expenses	0	0	0	0	0	0.00
12.7.1	CSR activities	0	0	0	0	0	0.00
12.8	Ash utilisation expenses	0	0	0	0	0	0.00
12.9	Books & Periodicals	1.26	1.29	1.67	0.49	0.45	0.61
12.1	Professional Charges	57.25	68.66	66.01	46.79	52.70	81.00
12.11	Legal expenses	95.56	69.80	19.99	9.36	43.67	68.89
12.12	EDP Hire & other charges	11.15	8.79	9.10	18.16	20.88	13.00
12.13	Printing & Stationery	21.55	31.02	19.05	23.50	20.50	19.92
12.14.1	RLDC Fee & Charges	107.43	109.26	153.87	77.31	133.49	95.93
12.14.2	Fees and Subscription	10.96	11.12	11.61	10.30	15.08	14.88
12.15	Brokerage & Commission	1.51	3.22	3.90	2.26	11.42	6.93
12.16	Bank charges	1.86	0.72	1.44	1.34	12.77	1.12
12.17	Claims/advances written off						
12.18	Hiring of vehicle	442.86	454.83	457.58	450.03	461.71	458.01
12.19	Payment to auditors	0.00	1.19	1.89	2.95	0.00	0.00
12.20	Misc. Expenses						
	(Break-up Of Misc.)						
12.20.1	Horticulture	0	0	0	0	0	0.00
12.20.2	Transport- Vehicle Running exp.	0	0	0	0	0	0.00
12.20.3	Hire charges & Operating Exp -Construction equipment	0	0	0	0	0	0.00
12.20.4 -	Tree Plantation exp.	0	0	0	0	0	0.00
12.20.5 -	R&D expenses	0	0	0	0	0	0.00
12.20.6	Other Vehicles	0	0	0	0	0	0.00
12.20.7	Consumption-HSD/LDO-(Ind/Imp)-DG Set	0	0	0	0	0	0.00
12.20.8	Exp/ Inc from Inv Diff	0	0	0	0	0	0.00
12.20.9	Loss on sale of Investments	0	0	0	0	0	0.00
12.20.10	Operating exp of diesel generating sets	0	0	0	0	0	0.00
12.20.11	Furnishing Expenses	0	0	0	0	0	0.00

12.20.12	Subscription to Trade and Other Association	0	0	0	0	0	0.00
12.20.13	Hire Charges - Helicopter/Aircraft	0	0	0	0	0	0.00
12.20.14	Visa & Entry Permit Charges - Overseas	0	0	0	0	0	0.00
12.20.15	FX Monitoring Terminal Expenses	0	0	0	0	0	0.00
12.20.16	Works/Conf.(Excl train R&D CENPEEP)Earlier Non FBT	0	0	0	0	0	0.00
12.20.17	Workshop/Conf. Exp (train R&D CENPEEP) Earlier FBT	0	0	0	0	0	0.00
12.20.18	Hire charges - Office equipment	0	0	0	0	0	0.00
12.20.19	Payment for health club etc	0	0	0	0	0	0.00
12.20.20	Gifts liable for Fringe Benefit Tax	0	0	0	0	0	0.00
12.20.21	Festival expenses liable Earlier (FBT)	0	0	0	0	0	0.00
12.20.22	Miscellaneous Expenses-(others)	29.64	40.98	32.12	26.19	54.22	20.42
12.20.23	Rounding Off Difference	0.00	0.00	0.00	0.39	0.71	1.14
12.20.24	Regional Power Committee Expenses						
12.20.25	Misc Exp. trf to CSR and IEDC	0	0	0	0	0	0.00
12.20.26	Specify other sub head, if any.						
12.20.26.1	Material Handling Charges	8.87	10.34	16.06	17.72	18.76	19.39
12.20.26.2	Business Promotion expenses	3.42	69.45	4.63	7.59	25.37	9.85
12.20.26.3	Environment & Ecology Expenses	98.25	121.64	123.26	128.56	108.27	113.23
12.20.26.4	Exchange Rate Variation	1.01	0.98	5.07	28.18	51.39	6.87
12.20.26.5	Expenses on Regulated Power	0.00	0.00	0.00	0.30	0.00	0.00
12.20.26.6	Interest on Arbitration Awards (Provision)	950.94	948.34	948.27	2558.94	2558.94	2626.57
12.20.26.7	Interest to Beneficiaries	0.00	0.00	6351.70	0.00	2296.43	0.00
12.20.26.8	Rehabilitation Expenses	0.00	0.00	0.00	0.00	164.69	0.00
12.20.26.5	Remeasurement of the net defined benefit	539.85	536.68	664.33	83.78	68.28	88.00
	Sub Total (Others)	2551.06	2706.36	9087.89	3641.46	6403.96	4001.94
13	(Total 1 to 12)	40155.91	47877.79	52545.43	51408.13	51515.99	53585.33
14	Revenue / Recoveries	32.39	40.88	38.73	59.22	35.36	62.50
15	Net Expenses	40123.52	47836.91	52506.70	51348.91	51480.63	53522.83
16.1	Capital spares consumed not included in (A) (1) above and not claimed/allowed by Commission for	417.88	391.55	186.41	442.59	373.72	1354.58
16.2	Minor items/assets not included in above expenses	56.02	111.68	39.40	113.71	147.92	249.54
	Total O&M Cost	40597.42	48340.14	52732.51	51905.21	52002.26	55126.95

Annexure-VIII

DETAILS OF O & M EXPENSES (At Corporate Level/Regional Level)

Name of the Company : SJVN LTD.

Name of the Power Station : NATHPA JHAKRI HYDRO POWER STATION

(Rs. In Lacs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	2	3	4	5	6	7	8
(A)	Breakup of corporate expenses (Aggregate at Company level)						
1	- Employee expenses:						
1.1	-Salaries, wages and allowances	8560.98	9167.82	9324.84	10029.18	9063.48	7810.55
1.2	-Staff welfare expenses	476.88	520.63	460.77	1009.52	712.01	996.02
	Medical expenses on superannuated employees	227.56	38.88	104.49	122.92	156.07	158.64
	Medical expenses on regular employees & others	288.84	367.28	402.74	373.61	368.30	430.15
	Canteen expenses	29.75	30.54	58.70	57.36	68.37	27.19
1.3	-Productivity linked incentive						
1.4	- Expenditure on VRS						
1.5	-Ex-gratia						
1.6	-Performance related pay(PRP)	1116.02	3105.85	2465.80	2637.02	1606.59	2390.20
1.7	VII Pay Arrears Paid Pertaining to period prior to 2017-18						
	Pension contribution for serving						
	pension for retired						
	Sub - Total (Employee Expenses)	10700.03	13231.00	12817.34	14229.61	11974.83	11812.76
2	Administrative Expenses:						
2.1	- Repair and maintenance	297.77	459.44	459.31	545.59	551.33	587.69
2.2	- Training and Recruitment	177.81	238.25	950.19	96.59	754.26	1285.95
2.3	- Communication	57.41	51.76	61.33	155.97	140.82	122.53
2.4	- Traveling & Conveyance	285.56	344.03	424.56	88.21	142.61	336.70
2.5	- Rent	664.00	685.41	138.82	6.04	2.63	30.91
2.6	Others (Specify items)						
	Advertisement and publicity	209.75	231.83	220.56	203.08	281.79	752.36
	Books & Periodicals	8.47	7.19	16.20	29.77	17.95	9.91
	EDP Hire and other charges	53.89	31.56	251.17	690.72	347.36	608.96
	Education expenses						
	Entertainment and hospitality expenses	17.13	19.85	23.17	45.03	64.85	59.86
	Fin Expenses-IndAS						
	Guest house expenses	33.17	43.08	37.66	44.48	52.08	67.96
	Hiring of Vehicles	99.27	73.18	3.55	3.39	26.10	81.38
	Insurance	5.48	25.53	12.25	19.87	18.35	19.97
	Legal Expenses	1.99	12.14	13.89	24.84	17.92	16.87
	Miscellaneous Expenses	51.63	47.39	104.20	53.10	65.68	104.73
	Community development Exp.						
	Others.	337.12	457.54	632.97	132.92	437.91	316.50
	Payment to auditors	17.12	24.60	25.65	30.11	24.25	37.61
	Power Charges	112.26	80.06	87.70	134.61	86.09	104.15
	Printing and Stationery	90.15	58.33	85.38	124.06	44.02	73.87
	Professional charges & consultancy fees	120.26	187.43	120.08	504.91	627.33	612.56
	R&D EXPS						175.81
	Rates and taxes	5.92	6.38	6.14	8.33	5.42	4.94
	Tender expenses					109.54	53.35
	Trpt Veh running Exp.						
	Water charges						
	Workshop & Conf. Exp.						
	Filing fee				633.52	363.76	204.94
	CSR expenses	2920.50	3123.00	2818.43	4166.58	3952.41	4690.71
	Sub - Total (Administrative Expenses)	5566.66	6207.98	6493.23	7741.72	8134.47	10360.22

3	Security	311.54	305.78	333.76	331.56	138.27	237.36
	CISF						
	Non CISF						
4	Donations						
5	Provisions						
5A	Depreciation	795.82	1075.15	1613.01	1921.12	2624.60	2441.20
	on account of Corporate/ Regional establishment						
	On account of others (specify)						
5B	Prior period expenses						
6	Others (specify items)						
7	Total (1 to 6)	17374.05	20819.91	21257.35	24224.02	22872.17	24851.53
8	Less recoveries (if any)						
9	Net Corporate Expenses (Aggregate)						
(B)	Allocation of Corporate Expenses to						
1	Power Generation/Transmission O&M	17374.05	20819.91	21257.35	24224.02	22872.17	24851.53
2	Project management/Projects under Construction						
3	RLDC and ULDC						
4	Consultancy Business						
5	Telecommunication Business						
6	Any other						
	Note: Heads indicated above are illustrative. Generating companies or the transmission utilities may furnish the allocations in different functional activities suited to their company.						
(C)	Allocation of Corporate Expenses relating to functional activity of power Generation or the transmission to various generating stations or the transmission region/systems as the case may be. (Section 62 - cost plus projects)						
1	Generating station 1 / Transmission Region 1 / Mine 1						
2	Generating station 2 / Transmission Region 2 / Mine 2,.....						
	Allocation of corporate expenses to other projects						
	JVs / Subsidiary / section 63 - TBCB project						
Note:							
	Year-wise audited actual O&M expenses submitted for the period 2017-18 to 2021-22 should be clearly indicating the following						
	(i) Explanation / Justification for year to year variation of more than (±) 10% in any head of O&M expenses						
	(ii) Details of expenditure under the head "Others".						
	(iii) Details of the amount indicated under the head "Revenues/Recoveries"						
	(iv) Details of arrears and prior period adjustments included in the data for the period 2017-18 to 2021-22, if any, pertaining to period prior to the year 2017-18 should be mentioned separately in the following format:						
Sl. No.	Year during the period 2017-22 in which arrear/ prior period adjustments have been made	Year to which this arrear and prior period adjustment pertains	Amount of arrear/ prior period adjustment (Rs. in lakh)				
	(v) Separately furnish the details of abnormal expenses, if any.						
	(vi) Future provisions pertaining to period beyond 2021-22 made in the employee cost or any other head during 2017-18 to 2021-22 towards wage revision/arrears or for any other reason shall be provided separately.						
	(vii) Details of Regional level expenses to be provided separately giving methodology of allocation of Regional expenses.						

Annexure-XIX

Name of Utility:	SJVN Ltd
Name of Generating Station:	Nathpa Jhakri Hydro Power Station (NJHPS)
Station Configuration:	
Capacity (MW):	1500 MW
COD:	18.05.2004

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1 Plant Availability Factor (PAF)	%	94.47	69.19	92.37	96.67	96.08	98.535	98.318	104.262	105.15	105.75	105.504	104.679	104.963	102.053	103.506	105.48	105.375	106.596	106.653
2 Plant Load Factors (PLF)	%	39.65	31.24	45.77	48.94	50.29	53.42	54.34	57.76	51.58	54.74	52.04	55.51	53.66	54.85	49.52	56.51	54.03	53.79	54.28
3 Scheduled Energy	MU	5077.8	4020.445	5886.79	6330.965	6545.21	6955.47	7077.458	7539.51	6693.265	7112.103	6743.267	7207.82	6981.449	7010.79	6393.28	7381.07	6992.11	6930.72	6983.40
4 Scheduled Generation	MU																			
5 Actual Generation (Gross)	MU	5209.86	4104.422	6014.48	6448.977	6608.69	7018.81	7140.205	7610.26	6777.777	7192.553	6838.125	7313.78	7050.622	7207.67	6507.13	7445.43	7098.93	7067.37	7133.002
Actual Generation (ex-bus)		5147.34	4055.169	5942.31	6385.338	6547.68	6956.85	7077.567	7541.55	6728.506	7131.538	6781.487	7255.39	6994.888	7150.07	6459.30	7394.42	7046.49	7020.09	7077.52
Actual energy supplied to beneficiaries		5077.8	4020.445	5886.79	6330.965	6545.21	6955.47	7077.458	7539.51	6693.264	7112.103	6743.267	7207.82	6981.449	7010.79	6393.28	7381.07	6992.11	6930.77	6983.40
6 Quantum of coal consumption	MT																			
7 Value of coal	Rs. Lakh																			
8 Specific Coal Consumption	kg/kWh																			
9 Gross Calorific Value of Coal	(Kcal/ Kg)																			
10 Heat Contribution of Coal	(Kcal/ kWh)																			
11 Cost Of Specific Coal Consumption	(Rs./kWh)																			
12 Quantum of Oil Consumption	(KL)																			
13 Value of Oil	(Rs. lakh)																			
14 Gross calorific value of oil	(kcal/lit)																			
15 Specific Oil Consumption	(ml/kWh)																			
16 Cost Of Specific Oil Consumption –	(Rs./kWh)																			
17 Heat Contribution of Oil	(Kcal/ kWh)																			
18 Station Heat Rate	(Kcal/ kWh)																			
19 Auxiliary Energy Consumption	(%)	-	-	-	1.07	1.07	1.02	1.00	1.02	0.85	0.96	0.95	0.87	0.90	0.96	0.91	0.82	0.83	0.98	0.96
20 Debt at the end of the year	(Rs. Crore)	3820.56	3248.85	2721.63	2157.00	1811.97	1475.50	1167.78	743.34	302.65	-	-	-	-	-	-	-	-	-	-
21 Equity - Average	(Rs. Crore)	3832.09	3892.377	3907.83	3937.888	3988.09	4046.24	4094.615	4127.18	4132.705	4136.767	4141.741	4145.47	4149.347	4155.45	4163.21	4159.48	4151.29	4147.01	4143.0069
22 Working Capital – finally admitted by CERC	(Rs. Crore)	289.12	324.3476	325.031	322.9392	329.493	327.649	335.6543	337.684	338.8974	347.6827	327.8665	331.519	339.4994	286.129	295.372	246.472	252.858	259.036	265.854
23 Capital cost – finally admitted by CERC	(Rs. Crore)	7956.53	7940.809	8059.54	8141.198	8394.21	8528.89	8716.698	8745.99	8753.528	8773.075	8786.673	8797.92	8812.544	8838.63	8864.27	8813.77	8809.67	8785.19	8783.0137
24 Capacity Charges/ Annual Fixed Cost (AFC)	(Rs Crore)	1244.30	1406.181	1379.1	1333.536	1337.92	1629.76	1658.565	1650.42	1636.207	1666.201	1610.429	1623.01	1644.454	1309.77	1336.52	1312.88	1328.21	1343.86	1363.075
(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009																				
Absolute value	(Rs. Crore)	514.80	544.93	547.10	551.30	558.33	755.60	792.64	799.72	813.69	863.59	864.62	869.59	870.40	871.68	875.61	831.10	828.93	828.04	827.2089
Rate	(%)	14.00	14.00	14.00	14.00	14.00	18.67	19.36	19.38	19.69	20.88	20.88	20.98	20.98	20.98	21.03	19.99	19.99	19.99	19.99
(b) interest on Loan																				
Absolute value	(Rs. Crore)	332.14	300.96	267.91	205.01	190.75	163.18	131.79	96.03	51.34	13.39									
Rate – Weighted Average Rate	(%)	9.15	8.51	8.97	8.41	9.61	9.93	9.97	10.05	9.82	8.85									
(c) Depreciation (finally allowed by CERC)																				
Absolute value	(Rs. Crore)	185.03	197.86	196.92	199.91	202.14	430.75	439.19	444.95	445.96	446.70	446.71	447.16	447.83	108.74	109.81	87.58	88.94	88.54	88.7928
AAD		71.29	208.31	208.15	213.48	216.97														
Rate	(%)	2.49	2.49	2.46	2.47	2.45	5.09	5.09	5.10	5.10	5.10	5.09	5.09	5.09	1.23	1.24	0.99	1.01	1.01	1.01

	(d) Interest on working Capital																				
	Absolute value	(Rs. Crore)	29.63	33.25	33.32	33.10	33.77	40.14	41.12	41.37	41.51	42.59	44.26	44.76	45.83	38.63	39.88	29.70	28.45	27.20	27.91
	Rate	(%)	10.25	10.25	10.25	10.25	10.25	12.25	12.25	12.25	12.25	12.25	13.50	13.50	13.50	13.50	13.50	12.05	11.25	10.50	10.50
	(e) Operation and maintenance cost (finally admitted by CERC)																				
	Absolute value	(Rs. Crore)	111.41	121.51	128.90	137.25	145.48	241.61	255.31	269.96	285.48	301.99	257.57	264.36	290.26	323.89	342.64	364.51	381.88	400.09	419.16
	O&M Expenses vide Tariff Order in Petition No. 310/GT/2018 dt. 09.04.19 for 2004-09 & Petition No. 31/GT/2020 dated 06.09.21 for 2014-19		111.41	120.86	125.70	130.73	135.96	240.10	253.83	268.35	283.70	299.93	238.43	254.26	271.14	289.15	308.35	364.51	381.88	400.09	419.16
	Additional O&M Expenses vide Tariff Order in Petition No. 31/GT/2020 dated 06.09.21 for 2014-19		-	-	-	-	-	-	-	-	-	-	16.41	7.25	9.24	1.57	2.87	-	-	-	-
	Additional O&M Expenses- Pay revision Tariff Order in Petition No.92/MP/2013 dt. 08.10.2013 for 2004-09 & Petition No. 84/MP/2021 dt. 18.03.23 for 2004-09 to 2018-19		-	0.65	3.20	6.52	9.53	1.51	1.48	1.61	1.79	2.06	2.74	2.86	9.87	33.17	31.42	-	-	-	-
	Rate = (e) total absolute value / sl.no.23 i.e. capital cost	(%)	1.40	1.53	1.60	1.69	1.73	2.83	2.93	3.09	3.26	3.44	2.93	3.00	3.29	3.66	3.87	4.14	4.33	4.55	4.77
	(f) Compensation Allowances		NA																		
	(g) Special Allowance																				
	h) Supplementary Tariff - Emission Control																				
	Absolute value	(Rs. Crore)																			
	Rate	(%)																			
	i) Ash Utilisation Expenses	(Rs. Crore)																			
25	AFC	(Rs./ kWh)	1244.30	1406.18	1379.10	1333.54	1337.92	1629.76	1658.56	1650.42	1636.21	1666.20	1610.43	1623.01	1644.45	1309.77	1336.52	1312.88	1328.21	1343.86	1363.08
26	Energy Charge	(Rs./kWh)	1.082	1.223	1.200	1.160	1.164	1.418	1.443	1.436	1.423	1.449	1.401	1.412	1.431	1.139	1.163	1.142	1.155	1.169	1.186
26.1	Supplemental Energy Charges - Emission Control	(Rs./kWh)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	Total tariff	(Rs. kWh)	2.164	2.446	2.399	2.32	2.327	2.835	2.885	2.871	2.846	2.898	2.801	2.823	2.861	2.278	2.325	2.284	2.31	2.338	2.371
28	Revenue realisation before tax	(Rs. Crore)	1080.85	1391.661	1665.63	1581.243	2027.43	1906.19	1837.832	1923.78	1712.162	1889.61	2598.905	2270.13	2393.393	1908.15	1791.47	1771.01	1904.28	1628.71	1762.41
29	Revenue realisation after tax	(Rs. Crore)	1080.85	1391.661	1665.63	1581.243	2027.43	1906.19	1837.832	1923.78	1712.162	1889.61	2598.905	2270.13	2393.393	1908.15	1791.47	1771.01	1904.28	1628.71	1762.41
30	Profit/ loss	(Rs. Crore)	283.714	543.4836	825.814	883.2493	1320.2	1014.92	1155.248	1362.93	1216.267	1382.189	2100.316	1512.32	1626.178	1434.69	1259.25	1191.82	1423.24	963.388	1074.61
31	DSM Generation	(MU)																			
32	DSM Rate	(Rs/kWh)																			
33	Revenue from DSM	(Rs. Crore)	16.09	22.53	26.16	13.19	67.17	26.51	36.01	9.10	24.31	34.34	15.07	15.01	8.71	39.75	25.14	7.82	16.87	25.33	25.81
34	Compensation received for operation below NAPAF																				
35	Part load Compensation received from beneficiariaes																				
36	Amount received from SCED	(Rs Crore)																			

Note: Generating Companies are required to submit data for all generating stations
This is a general format. Plants of different fuel users have to fill the cells as applicable to them.
Tariff for the Hydro may be understood as composite tariff.
The data provided for the corresponding years need to mention as Actual or provisional.
Data for each Unit and Stage is required to be submitted in additional sheets as per the format