



SJVN LIMITED
Commercial & System Operation Department

Provisional bill for Energy supply from NATHPA JHAKRI HPS		
Sr.No.	Month: February-2024	(F.Y): 2023-2024
A1	Annual Fixed Charges "AFC" in Rs. (as approved by CERC)	13828,636,000.00
A2	Annual Design Energy (DE) in MWH	6,612,000.000
A3	Normative Auxiliary Consumption in % (AUX)	1.2
A4	Free Energy for Home State, in % (FEHS)	12.0
A5	Annual Ex-bus Design Energy [DE X (100-AUX)/100] in MWH	6,532,656.000
A6	Annual Ex-bus Saleable Design Energy = [DE X (100-AUX)X(100-FEHS)/10000] in MWH	5,748,737.280
A7	Installed Capacity (IC) in MW	1500
A8	Number of Days in the month (NDM)	29
A9	Number of Days in the year(NDY)	366
A10	Number of Days in the month (N)	29
A11	Normative Annual Plant Availability Factor in % (NAPAF)	90.000
A12	Energy Charge Rate (ECR) for Energy upto Annual Ex-bus Saleable Design Energy in Rs/kwh.[ECR= AFC x0.5 x10 /{ DE in MWH x (100-AUX) x (100 -FEHS)}]	1.203
A13	Energy Charge Rate for Energy in excess of Annual Ex-bus Saleable Design Energy in Rs/kwh.	1.200
Capacity Charges (inclusive of incentive)		
C1	Plant Availability Factor achieved during the month (PAFM) [PAFM = 10000 X $\frac{\sum DC_i}{N \times IC \times (100-Aux)}$] in%	86.207
C2	Capacity Charge (inclusive of incentive) for the month in Rupees [(AFC X 0.5 X NDM / NDY X (PAFM /NAPAF)]	524,766,720.00
Energy Details		
E1	Ex-bus Scheduled Energy for the month in kwh	166,724,482.5
E2	Free Power to the Home State as per REA in kwh	20,006,937.9
E3	Ex-bus Saleable Scheduled Energy for the month in kwh. [{ Ex bus Scheduled Energy in kwh } X (100-FEHS)/100] = E1-E2	146,717,544.6
E4	Ex-bus Scheduled Energy (cumulative) up to this month in kwh	5,972,608,905.0
E5	Free Power to the Home State (cumulative) up to this month in kwh.	719,168,140.3
E6	Ex-bus Saleable Scheduled Energy (cumulative) up to this month in kwh. [{ Ex-bus Scheduled cummulative Energy in kwh } X (100-FEHS)/100] = E4-E5 kWh	5,253,440,764.7
E7	Energy in excess of Annual Ex-bus Saleable Design Energy for this month in Kwh. [{ Ex-bus Saleable Scheduled Energy cumulative upto the month in Kwh } - { Annual Ex-bus Saleable Design Energy in Kwh }]	0.0
E8	Energy upto annual Ex-bus Saleable Design Energy for the month in Kwh. [{ Ex-bus Saleable Scheduled Energy during the month in Kwh } - { Energy in excess of Annual Ex-bus Saleable Design Energy in Kwh }] (E3-E7)	146,717,544.6
Energy Charges		
EE1	Energy Charges for the energy upto the Saleable Design Energy for the month in Rs. = [(ECR in Rs./kwh) X (Ex -bus Saleable Scheduled Energy up to Annual Ex-bus Saleable Design Energy)] (E8*A12)	176,501,206.00
EE2	Energy Charges for Energy in excess of Annual Exbus Saleable Design Energy in Rs. [{ Ex -bus Saleable Scheduled Energy in excess of Annual Ex -bus Saleable Design Energy in kwh } X Energy Charge Rate (Rs./kwh)] (E7*A13)	0.00
	Total Charges in Rupees (C2 + EE1 + EE2)	701,267,926.00



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Weighted Avg. %age Capacity Allocations to Beneficiaries of NATHPA JHAKRI HPS as per Provisional REA dated 06.03.2024

For the month of February-2024 , Financial Year: 2023-2024 , Period: 01.02.2024 to 29.02.2024

Sr. No.	Name of Beneficiaries	Wtd. Avg. %age Capacity Allocation(Including 12% Free Power)	Wtd. Avg. %age Capacity Allocation of GoHP including 22% equity and 12% Free Power after allocating SoR share to HPESB	Wtd. Avg %age Capacity allocation(excluding 12% free power from the share of Go HP)	Proportionate Weighted Avg. %age Capacity Allocation excluding Free Power
		A	B	C	D = C/0.88
1	CHANDIGARH	1.238804	1.238804	1.238804	1.407732
2	DELHI	9.470000	9.470000	9.470000	10.761364
3	GoHP	36.863780	34.000000	22.000000	25.000000
4	HPSEB	0.000000	2.863780	2.863780	3.254295
5	HARYANA	4.270000	4.270000	4.270000	4.852273
6	J & K	13.498029	13.498029	13.498029	15.338670
7	PUNJAB	10.130000	10.130000	10.130000	11.511364
8	MPPMCL	0.241694	0.241694	0.241694	0.274652
9	RAJASTHAN	7.470000	7.470000	7.470000	8.488636
10	UTTARAKHAND	2.087693	2.087693	2.087693	2.372378
11	UTTAR PRADESH	14.730000	14.730000	14.730000	16.738636
	Total	100.000000	100.000000	88.000000	100.000000

Weighted Avg. % age Capacity Allocations to Discoms of DELHI for FY: 2023-2024, Period: 01.02.2024 to 29.02.2024

Sr. No.	DELHI Discoms	%age Share	Weighted Avg. %age Capacity Allocation (inclusive of 12% Free Power)	Weighted Avg. %age Capacity Allocation (exclusive of 12% Free Power)
1	TPDDL	30.680	2.905396	3.301586
2	BSES RAJDHANI POWER	43.920	4.159224	4.726392
3	BSES YAMUNA POWER	25.400	2.405380	2.733386
	TOTAL	100.000	9.470000	10.761364

Weighted Avg. % age Capacity Allocations to Discoms of RAJASTHAN for FY: 2023-2024, Period: 01.02.2024 to 29.02.2024

Sr. No.	RAJASTHAN Discoms	%age Share	Weighted Avg. %age Capacity Allocation (inclusive of 12% Free Power)	Weighted Avg. %age Capacity Allocation (exclusive of 12% Free Power)
1	AJMER VVNL	28.800	2.151360	2.444727
2	JAIPUR VVNL	37.390	2.793033	3.173901
3	JODHPUR VVNL	33.810	2.525607	2.870008
	TOTAL	100.000	7.470000	8.488636



SJVN LIMITED
Commercial & System Operation Department

Beneficiary wise Breakup of NRLDC Fees & Charges of NATHPA JHAKRI HPS For the month of February-2024				
Sr. No.	Name of Beneficiaries	Wtd. Avg. %age Capacity Allocation as per REA	NRLDC Fees & Charges issued by POSOCO(Rs.)	Amount Payble by Beneficiaries(Rs.)
01	CHANDIGARH	1.238804	830,610.00	10,290.00
02	TPDDL	2.905396		24,133.00
03	BSES RAJDHANI POWER	4.159224		34,547.00
04	BSES YAMUNA POWER	2.405380		19,979.00
05	GoHP	34.000000		282,407.00
06	HPSEB	2.863780		23,787.00
07	HARYANA	4.270000		35,467.00
08	J & K	13.498029		112,115.00
09	PUNJAB	10.130000		84,141.00
10	MPPMCL	0.241694		2,008.00
11	AJMER VVNL	2.151360		17,869.00
12	JAIPUR VVNL	2.793033		23,199.00
13	JODHPUR VVNL	2.525607		20,978.00
14	UTTARAKHAND	2.087693		17,341.00
15	UTTAR PRADESH	14.730000		122,349.00
	TOTAL	100.000000	830,610.00	830,610.00



SJVN LIMITED
Commercial & System Operation Department

Beneficiary-wise breakup of Capacity & Energy Charges of NATHPA JHAKRI HPS for the month of February-2024

Sr. No.	Name of Beneficiaries	Weighted Avg. % capacity Allocation (after excluding of 12% free power)	Capacity Charges (inclusive of Incentive) for the month (Rs)	Ex-bus Saleable Scheduled Energy for the month (kwh)			Energy Charges for the month (Rs)			Total Charges for the month (Rs)
				As per Provisional REA	Upto Annual Ex-bus Saleable Design energy	In excess of Annual Ex-bus saleable Design energy	Upto Annual Ex-bus saleable Design Energy	In excess of Annual Ex-bus saleable Design Energy	Total	
		A	B	C	D	E	F = D * 1.203	G = E * 1.200	H = F + G	I = B + H
1	CHANDIGARH	1.407732	7,387,309.00	2065381.6	2065381.6	0.0	2,484,654.00	0.00	2,484,654.00	9,871,963.00
2	TPDDL	3.301586	17,325,625.00	4844005.3	4844005.3	0.0	5,827,338.00	0.00	5,827,338.00	23,152,963.00
3	BSES RAJDHANI POWER	4.726392	24,802,532.00	6934443.1	6934443.1	0.0	8,342,135.00	0.00	8,342,135.00	33,144,667.00
4	BSES YAMUNA POWER	2.733386	14,343,900.00	4010356.4	4010356.4	0.0	4,824,459.00	0.00	4,824,459.00	19,168,359.00
5	GoHP	25.000000	131,191,680.00	36679386.2	36679386.2	0.0	44,125,302.00	0.00	44,125,302.00	175,316,982.00
6	HPSEB	3.254295	17,077,457.00	4774625.7	4774625.7	0.0	5,743,875.00	0.00	5,743,875.00	22,821,332.00
7	HARYANA	4.852273	25,463,114.00	7119130.8	7119130.8	0.0	8,564,314.00	0.00	8,564,314.00	34,027,428.00
8	J & K	15.338670	80,492,236.00	22504520.6	22504520.6	0.0	27,072,937.00	0.00	27,072,937.00	107,565,173.00
9	PUNJAB	11.511364	60,407,807.00	16889197.2	16889197.2	0.0	20,317,704.00	0.00	20,317,704.00	80,725,511.00
10	MPPMCL	0.274652	1,441,282.00	402954.0	402954.0	0.0	484,754.00	0.00	484,754.00	1,926,036.00
11	AJMER VVNL	2.444727	12,829,114.00	3586842.7	3586842.7	0.0	4,314,972.00	0.00	4,314,972.00	17,144,086.00
12	JAIPUR VVNL	3.173901	16,655,576.00	4656668.3	4656668.3	0.0	5,601,972.00	0.00	5,601,972.00	22,257,548.00
13	JODHPUR VVNL	2.870008	15,060,847.00	4210803.8	4210803.8	0.0	5,065,597.00	0.00	5,065,597.00	20,126,444.00
14	UTTARAKHAND	2.372378	12,449,450.00	3480704.7	3480704.7	0.0	4,187,288.00	0.00	4,187,288.00	16,636,738.00
15	UTTAR PRADESH	16.738636	87,838,791.00	24558524.2	24558524.2	0.0	29,543,905.00	0.00	29,543,905.00	117,382,696.00
	TOTAL	100.000000	524766720.00	146717544.6	146717544.6	0.0	176501206.00	0.00	176501206.00	701267926.00

Prepared by

Signature:

Name:

Designation:

In case of any discrepancy, contact the following

Name: Aman Katoch

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Checked by

Signature:

Name:

Designation:

Name: Ashok Kumar

Designation: GENERAL MANAGER

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Issued by

Signature:

Name:

Designation:

Name: Harish Kumar Sharma

Designation: CHIEF GENERAL MANAGER

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भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

दिनांक: 06 March, 2024

सेवा में/To,

संलग्न सूची के अनुसार/As per list enclosed

विषय : फरवरी 2024 माह का ए.बी.टी. आधारित अस्थायी क्षेत्रीय ऊर्जा लेखा।

Subject: ABT based Provisional REA for the month of February, 2024.

फरवरी 2024 माह के ए.बी.टी. आधारित प्रोविजनल क्षेत्रीय ऊर्जा लेखा की प्रति इस पत्र के साथ संलग्न कर आपको आवश्यक कार्यवाही हेतु प्रेषित की जा रही है। महीने के लिए डेटा उत्तर क्षेत्रीय भार प्रेषण केंद्र द्वारा दिए गए अनुसूचित आंकड़ों व 18 फरवरी, 2023 तक के प्रसंस्कृत शिड्यूल/ मीटर डेटा से लिया गया है।

Please find enclosed herewith the ABT based Provisional REA for the month of February, 2024 for further necessary action by the constituents. The data has been taken as per schedule given by NRLDC for the month and processed schedule/ meter data upto 18th February, 2023.

अनुलग्नक-यथोपरि।

Encl.: As above.

Signed by Anzum Parwej

Date: 06-03-2024 14:06:41

Reason: Approved

(अंजुम परवेज)/(Anzum Parwej)

अधीक्षण अभियंता (वाणिज्य) /

Superintending Engineer (Commercial)

Northern Regional Power Committee
Provisional REA for the Month of FEBRUARY, 2024

Table - C1

WT. AVG. ENTITLEMENTS OF UTILITIES FOR THE MONTH IN CS STATIONS BASED ON GOI ORDERS(%)

Station	ASSAM	BANGLADESH	CHANDIGARH	CHHATTISGARH	DELHI	GURJAT	HIMACHAL PRADESH	HARYANA	J & K	MP.	ORISSA	PUNJAB	PG-AGRA	PG-BALIA	PG-BHWADI	PG-DADRI	PG-KURUKSHETRA	PG-RIHAND	RAJASTHAN	SURRENDERED POWER	UTTARAKHAND	UTTAR PRADESH	
ANTA GPP	0.00000	0.00000	2.263556	0.000000	10.500000	0.000000	0.596420	0.000000	16.761929	0.366071	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	40.810000	6.952024	21.750000	
AURAI YA GPP	0.00000	0.000000	1.815704	0.000000	10.860000	0.000000	0.592058	0.000000	16.409947	0.363394	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	30.920000	6.978897	32.060000	
BAIRA SIUL HEP	0.00000	0.000000	0.000000	0.000000	11.000000	0.000000	12.000000	30.500000	0.000000	0.000000	0	46.500000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
CHAME RA HEP	0.00000	0.000000	3.900000	0.000000	7.900000	0.000000	14.900000	15.800000	3.900000	0.000000	0	10.200000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	19.600000	0.000000	0.000000	3.530000	20.270000
CHAME RA-II HEP	0.00000	0.000000	1.954841	0.000000	13.330000	0.000000	16.383801	5.670000	18.108905	0.438116	0.000000	10.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	9.670000	0.000000	3.784337	20.660000	
CHAME RA-III HEP	0.00000	0.000000	1.671701	0.000000	12.734000	0.000000	13.594834	8.738000	16.717754	0.365096	0.000000	7.856000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	10.914000	0.000000	7.264615	20.144000	
DADRI GPP	0.00000	0.000000	1.719246	0.000000	10.960000	0.000000	0.616248	0.000000	16.919121	0.378240	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	33.150000	6.677145	29.600000	
DADRI SOLAR	0	0	0	0	0	0	0	0	0	0	100.00000	0	0	0	0	0	0	0	0	0	0	0	0
DADRI TPS	21.3100	0.000000	0.000000	0.000000	0.000000	68.690000	0.000000	0.000000	0.000000	0.000000	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	10.000000	
DADRI- II TPS	0.00000	1.020408	0.257259	0.000000	74.355000	0.000000	0.327601	0.000000	2.358448	0.087722	0	0.455542	0.255102	0.103000	0.103000	0.082000	0.357000	0.000000	7.818082	0.000000	0.757724	11.662112	
DHAUL IGANG A HEP	0.00000	0.000000	1.790701	0.000000	13.210000	0.000000	4.164834	5.710000	15.885754	0.365096	0	10.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	9.650000	0.000000	19.223615	20.000000	
DULHA STI HEP	0.00000	0.000000	1.540701	0.000000	12.830000	0.000000	0.594834	5.470000	30.965754	0.365096	0	8.280000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	10.880000	0.000000	7.263615	21.810000	

Northern Regional Power Committee
Provisional REA for the Month of FEBRUARY, 2024
Table - D2
Energy Scheduled To the Beneficiaries from CS Hydro Stations
(All Figs in LUs)

CS Station	State Utilities	Scheduled Energy	Free Energy (Included in Schedule)
KOTESHWAR :-			
	CHANDIGARH	8.571842	
	DELHI	79.234824	
	HARYANA	33.831013	
	HIMACHAL PRADESH	3.154408	
	J & K	88.383153	
	M.P.	1.936224	
	PUNJAB	51.109059	
	RAJASTHAN	67.181089	
	UTTAR PRADESH	311.475945	
	UTTARAKHAND	158.722837	96.432047
TOTAL KOTESHWAR		803.600394	
KISHANGANGA HEP :-			
	CHANDIGARH	0.942506	
	CHHATTISGARH	26.672808	
	HIMACHAL PRADESH	0.523564	
	J & K	20.084454	11.443762
	M.P.	0.321420	
	UTTAR PRADESH	36.708144	
	UTTARAKHAND	2.776040	
TOTAL KISHANGANGA HEP		88.028936	
NATHPA JHAKRI HEP :-			
	CHANDIGARH	20.653816	
	DELHI	157.888048	
	HARYANA	71.191308	
	HIMACHAL PRADESH	614.609498	200.069379
	J & K	225.045206	
	M.P.	4.029540	
	PUNJAB	168.891972	
	RAJASTHAN	124.543148	
	UTTAR PRADESH	245.585242	
	UTTARAKHAND	34.807047	
TOTAL NATHPA JHAKRI HEP		1667.244825	

Northern Regional Power Committee
Provisional REA for the Month of FEBRUARY, 2024

Table - D2

Energy Scheduled To the Beneficiaries from CS Hydro Stations
 (All Figs in LUs)

CS Station	State Utilities	Scheduled Energy	Free Energy (Included in Schedule)
RAMPUR HEP :-			
	CHANDIGARH	3.017692	
	HARYANA	19.195627	
	HIMACHAL PRADESH	195.529187	60.130860
	J & K	60.598211	
	M.P.	1.029031	
	PUNJAB	25.995074	
	RAJASTHAN	35.708474	
	UTTAR PRADESH	63.646192	
	UTTARAKHAND	57.825589	
TOTAL RAMPUR HEP		462.545077	
SEWA-II HEP :-			
	CHANDIGARH	5.353023	
	DELHI	37.540068	
	HARYANA	16.418465	
	HIMACHAL PRADESH	1.675135	
	J & K	81.630244	36.610770
	M.P.	1.028005	
	PUNJAB	23.459002	
	RAJASTHAN	30.527931	
	UTTAR PRADESH	63.364726	
	UTTARAKHAND	20.624711	
TOTAL SEWA-II HEP		281.621310	
SINGRAULI SHEP :-			
	CHANDIGARH	0.304168	
	DELHI	5.440028	
	HIMACHAL PRADESH	0.169004	
	J & K	2.791436	
	M.P.	0.103246	
	RAJASTHAN	6.645846	
	UTTAR PRADESH	12.086512	0.000000
	UTTARAKHAND	0.896754	
TOTAL SINGRAULI SHEP		28.436994	