



SJVN LIMITED
Commercial & System Operation Department

Provisional bill for Energy supply from NATHPA JHAKRI HPS		
Sr.No.	Month: November-2023	(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)	30
A9	Number of Days in the year(NDY)	366
A10	Number of Days in the month (N)	30
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%	100.000
C2	Capacity Charge (inclusive of incentive) for the month in Rupees [(AFC X 0.5 X NDM / NDY X (PAFM /NAPAF)]	629,719,308.00
Energy Details		
E1	Ex-bus Scheduled Energy for the month in kwh	272,000,286.0
E2	Free Power to the Home State as per REA in kwh	32,640,034.3
E3	Ex-bus Saleable Scheduled Energy for the month in kwh. [{ Ex bus Scheduled Energy in kwh } X (100-FEHS)/100] = E1-E2	239,360,251.7
E4	Ex-bus Scheduled Energy (cumulative) up to this month in kwh	5,408,629,937.5
E5	Free Power to the Home State (cumulative) up to this month in kwh.	650,897,896.4
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	4,757,732,041.1
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)	239,360,251.7
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)	287,950,383.00
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)		917,669,691.00

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SJVN LIMITED
Commercial & System Operation Department

Weighted Avg. %age Capacity Allocations to Beneficiaries of NATHPA JHAKRI HPS as per Provisional REA dated 04.12.2023					
For the month of November-2023 , Financial Year: 2023-2024 , Period: 01.11.2023 to 30.11.2023					
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	36.942536	34.000000	22.000000	25.000000
4	HPSEB	0.000000	2.942536	2.942536	3.343791
5	HARYANA	4.270000	4.270000	4.270000	4.852273
6	J & K	11.410337	11.410337	11.410337	12.966292
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	2.283924	2.283924	2.283924	2.595368
11	UTTAR PRADESH	16.542705	16.542705	16.542705	18.798528
	Total	100.000000	100.000000	88.000000	100.000000
* .					
Weighted Avg. % age Capacity Allocations to Discoms of DELHI for FY: 2023-2024, Period: 01.11.2023 to 30.11.2023					
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: 01.11.2023 to 30.11.2023					
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	

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SJVN LIMITED
Commercial & System Operation Department

Beneficiary wise Breakup of NRLDC Fees & Charges of NATHPA JHAKRI HPS For the month of November-2023				
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	843,042.00	10,444.00
02	TPDDL	2.905396		24,494.00
03	BSES RAJDHANI POWER	4.159224		35,064.00
04	BSES YAMUNA POWER	2.405380		20,278.00
05	GoHP	34.000000		286,634.00
06	HPSEB	2.942536		24,807.00
07	HARYANA	4.270000		35,998.00
08	J & K	11.410337		96,194.00
09	PUNJAB	10.130000		85,400.00
10	MPPMCL	0.241694		2,038.00
11	AJMER VVNL	2.151360		18,137.00
12	JAIPUR VVNL	2.793033		23,546.00
13	JODHPUR VVNL	2.525607		21,292.00
14	UTTARAKHAND	2.283924		19,254.00
15	UTTAR PRADESH	16.542705		139,462.00
	TOTAL	100.000000	843,042.00	843,042.00

RSB



SJVN LIMITED Commercial & System Operation Department

Beneficiary-wise breakup of Capacity & Energy Charges of NATHPA JHAKRI HPS for the month of November-2023

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 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	8,864,760.00	3369544.8	3369544.8	0.0	4,053,562.00	0.00	4,053,562.00	12,918,322.00		
2	TPDDL	3.301586	20,790,725.00	7902687.2	7902687.2	0.0	9,506,933.00	0.00	9,506,933.00	30,297,658.00		
3	BSES RAJDHANI POWER	4.726392	29,763,003.00	11313103.7	11313103.7	0.0	13,609,664.00	0.00	13,609,664.00	43,372,667.00		
4	BSES YAMUNA POWER	2.733386	17,212,659.00	6542642.0	6542642.0	0.0	7,870,798.00	0.00	7,870,798.00	25,083,457.00		
5	GoHP	25.000000	157,429,827.00	59840062.9	59840062.9	0.0	71,987,596.00	0.00	71,987,596.00	229,417,423.00		
6	HPSEB	3.343791	21,056,498.00	8003705.3	8003705.3	0.0	9,628,457.00	0.00	9,628,457.00	30,684,955.00		
7	HARYANA	4.852273	30,555,700.00	11614419.9	11614419.9	0.0	13,972,147.00	0.00	13,972,147.00	44,527,847.00		
8	J & K	12.966292	81,651,244.00	31036155.3	31036155.3	0.0	37,336,496.00	0.00	37,336,496.00	118,987,740.00		
9	PUNJAB	11.511364	72,489,282.00	27553616.1	27553616.1	0.0	33,147,000.00	0.00	33,147,000.00	105,636,282.00		
10	MPPMCL	0.274652	1,729,537.00	657381.9	657381.9	0.0	790,830.00	0.00	790,830.00	2,520,367.00		
11	AJMER VVNL	2.444727	15,394,918.00	5851707.2	5851707.2	0.0	7,039,604.00	0.00	7,039,604.00	22,434,522.00		
12	JAIPUR VVNL	3.173901	19,986,667.00	7597060.2	7597060.2	0.0	9,139,263.00	0.00	9,139,263.00	29,125,930.00		
13	JODHPUR VVNL	2.870008	18,072,995.00	6869660.5	6869660.5	0.0	8,264,202.00	0.00	8,264,202.00	26,337,197.00		
14	UTTARAKHAND	2.595368	16,343,533.00	6212287.4	6212287.4	0.0	7,473,382.00	0.00	7,473,382.00	23,816,915.00		
15	UTTAR PRADESH	18.798528	118,377,960.00	44996217.3	44996217.3	0.0	54,130,449.00	0.00	54,130,449.00	172,508,409.00		
	TOTAL	100.00000	629719308.00	239360251.7	239360251.7	0.0	287950383.00	0.00	287950383.00	917669691.00		

Prepared by

Signature:

Name:

Designation:

Checked by

Signature:

Name:

Designation:

Issued by

Signature:

Name:

Designation:

In case of any discrepancy, contact the following

Name: Aman Katoch

Designation: ADDITIONAL GENERAL MANAGER

Phone: 0177-2660214

Mobile No.: 8628840470 Fax: 0177-2660211

Name: Ashok Kumar

Designation: GENERAL MANAGER

Phone: 0177-2660212

Mobile No.: 9418023559 Fax: 0177-2660211

Name: Harish Kumar Sharma

Designation: CHIEF GENERAL MANAGER

Phone: 0177-2660210

Mobile No.: 9418162544 Fax: 0177-2660211

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I/32074/2023



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

दिनांक: 04 दिसंबर, 2023

सेवा में/To,

संलग्न सूची के अनुसार/As per list enclosed

विषय : नवंबर 2023 माह का ए.बी.टी. आधारित अस्थायी क्षेत्रीय ऊर्जा लेखा।**Subject: ABT based Provisional REA for the month of November, 2023.**

नवंबर 2023 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 19 नवंबर, 2023 तक के प्रसंस्कृत शिड्यूल/ मीटर डेटा से लिया गया है।

Please find enclosed herewith the ABT based Provisional REA for the month of November, 2023 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 19th November, 2023.

अनुलग्नक-यथोपरि।

Encl.: As above.

Signed by Anzum Parwej

Date: 04-12-2023 16:26:09

Reason: Approved

(अंजुम परवेज)/(Anzum Parwej)
अधीक्षण अभियंता (वाणिज्य) /
Superintending Engineer (Commercial)

Northern Regional Power Committee
Provisional REA for the Month of NOVEMBER, 2023

Table - C1

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

Station	ASSAM	BANGLADESH	CHANDIGARH	CHHATTISGARH	DELHI	GURAT	HIMACHAL PRADESH	HARYANA	J & K	M.P.	ORISSA	PUNJAB	PG-AGRA	PG-BALLIA	PG-BHIWADI	PG-DADRI	PG-KURUKSHETRA	PG-RIHAND	RAJASTHAN	SURRENDERED POWER	UTTARAKHAND	UTTAR PRADESH
ANTA GPP	0.00000 0	0.000000	2.263556	0.000000	10.500000	0.000000	0.715704	0.000000	13.599906	0.366070	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	40.810000	7.249237	24.495527
AURAI YA GPP	0.00000 0	0.000000	1.815704	0.000000	10.860000	0.000000	0.710470	0.000000	13.271050	0.363393	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	30.920000	7.273936	34.785447
BAIRA SIUL HEP	0.00000 0	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
CHAME RA HEP	0.00000 0	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	3.530000	20.270000
CHAME RA-II HEP	0.00000 0	0.000000	1.954841	0.000000	13.330000	0.000000	16.526561	5.670000	14.324568	0.438116	0.000000	10.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	9.670000	0.000000	4.140044	23.945870
CHAME RA-III HEP	0.00000 0	0.000000	1.671701	0.000000	12.734000	0.000000	13.713801	8.738000	13.564140	0.365097	0.000000	7.856000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	10.914000	0.000000	7.561037	22.882224
DADRI GPP	0.00000 0	0.000000	1.719246	0.000000	10.960000	0.000000	0.739498	0.000000	13.651977	0.378240	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	33.130000	6.984238	32.436801
DADRI SOLAR	0 0	0	0	0	0	0	0	0	0	100.000000	0	0	0	0	0	0	0	0	0	0	0	0
DADRI TPS	21.3100 00	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 0	1.020408	0.257259	0.000000	74.355000	0.000000	0.356185	0.000000	1.600724	0.087722	0	0.455542	0.255102	0.103000	0.103000	0.082000	0.357000	0.000000	7.818082	0.000000	0.828946	12.320030
DHAUL IGANG A. HEP	0.00000 0	0.000000	1.790701	0.000000	13.210000	0.000000	4.283801	5.710000	12.732140	0.365097	0	10.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	9.650000	0.000000	19.520037	22.738224
DULHA STI HEP	0.00000 0	0.000000	1.540701	0.000000	12.830000	0.000000	0.713801	5.470000	27.812140	0.365097	0	8.280000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	10.880000	0.000000	7.560037	24.548224

Northern Regional Power Committee
Provisional REA for the Month of NOVEMBER, 2023
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	8.619085	
	DELHI	79.672894	
	HARYANA	34.017485	
	HIMACHAL PRADESH	3.806815	
	J & K	72.052605	
	M.P.	1.946783	
	PUNJAB	51.391459	
	RAJASTHAN	67.552279	
	UTTAR PRADESH	327.799281	
	UTTARAKHAND	161.180545	96.964708
TOTAL KOTESHWAR		808.039231	
KISHANGANGA HEP :-			
	CHANDIGARH	3.387963	
	CHHATTISGARH	95.878762	
	HIMACHAL PRADESH	2.258590	
	J & K	62.217313	41.136132
	M.P.	1.155299	
	UTTAR PRADESH	140.616790	
	UTTARAKHAND	10.917067	
TOTAL KISHANGANGA HEP		316.431784	
NATHPA JHAKRI HEP :-			
	CHANDIGARH	33.695448	
	DELHI	257.584329	
	HARYANA	116.144199	
	HIMACHAL PRADESH	1004.838025	326.400343
	J & K	310.361553	
	M.P.	6.573819	
	PUNJAB	275.536161	
	RAJASTHAN	203.184279	
	UTTAR PRADESH	449.962173	
	UTTARAKHAND	62.122874	
TOTAL NATHPA JHAKRI HEP		2720.002860	

Northern Regional Power Committee
Provisional REA for the Month of NOVEMBER, 2023

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)
PARBATI-III :-			
	CHANDIGARH	2.840425	
	DELHI	21.642512	
	HARYANA	14.858944	
	HIMACHAL PRADESH	23.315019	22.101486
	J & K	23.057246	
	M.P.	0.620694	
	PUNJAB	13.362822	
	RAJASTHAN	18.548234	
	UTTAR PRADESH	38.912592	
	UTTARAKHAND	12.852945	
TOTAL PARBATI-III		170.011433	
RAMPUR HEP :-			
	CHANDIGARH	4.941550	
	HARYANA	31.433570	
	HIMACHAL PRADESH	320.736536	98.466887
	J & K	84.677479	
	M.P.	1.684894	
	PUNJAB	42.568125	
	RAJASTHAN	58.474175	
	UTTAR PRADESH	116.861441	
	UTTARAKHAND	96.059819	
TOTAL RAMPUR HEP		757.437589	
SEWA-II HEP :-			
	CHANDIGARH	2.523201	
	DELHI	17.694886	
	HARYANA	7.738995	
	HIMACHAL PRADESH	0.947524	
	J & K	34.290764	17.256851
	M.P.	0.484511	
	PUNJAB	11.057628	
	RAJASTHAN	14.389671	
	UTTAR PRADESH	33.502541	
	UTTARAKHAND	10.115290	
TOTAL SEWA-II HEP		132.745011	



ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)

GRID CONTROLLER OF INDIA LIMITED

(A Government of India Enterprise)

[formerly Power System Operation Corporation Limited (POSOCO)]

उत्तर क्षेत्रीय भार प्रेषण केंद्र / Northern Regional Load Despatch Centre

कार्यालय : 18-ए, शाहीद जैत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली - 110016
Office : 18-A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi-110016
CIN : U40105DL2009GOI188682, Website : www.nrldc.in, E-mail : nrldc@grid-india.in, Tel.: 011- 26854015, 40224603

BILL OF SUPPLY FOR THE MONTH OF : November, 2023

Bill No: NR/2023-24/1169

Date of Issue : 01-12-2023

Category of User : Generating Station
Name of the user : Nathpa-Jhakri HPS
Address : Satluj Jal Vidyut Nigam Ltd.
Rampur,
Shimla, HP
172201
Registration No : NRRNJ1GN

SI No	Description	Amount(₹)
NRLDC Fees and Charges		
1	RLDC Charges as per Annexure I	8,43,042
Rupees Eight Lakh Forty Three Thousand Forty Two Only.		

- This bill has been issued in accordance with Regulation 34 of CERC (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulation 2019 dated 05.04.2019 and CERC Orders dated 31.05.2021 and 24.2.2023 in Petition No. 374/MP/2019 and Petition No. 248/MP/2021 respectively.
- The adjustment amount indicated above (if any) is due to rectification of Installed Capacity of SBSRCEPL and ASEJ2L for Sep-2023.
- Rebate and Late payment surcharge shall be applicable as per relevant provisions of CERC Regulations 2019.
- Details of the payment made such as date of payment, amount paid, UTR No., Rebate and TDS, please be entered in the Payments section of the Online Fees and Charges application (<https://fc.posoco.in/FnCWb/#/landing>)
- Payment shall be made through Payment Gateway / RTGS / NEFT to GRID INDIA, NRLDC as given below :

1st Bank Account Details:

Account Name: GRID INDIA RLDC FEES AND CHARGES ACCOUNT
Bank Name: State Bank Of India
Account Number: 40232781809
RTGS / IFS Code: SBIN0004688

2nd Bank Account Details:

Account Name: GRID INDIA RLDC FEES AND CHARGES ACCOUNT
Bank Name: ICICI Bank Ltd
Account Number: 000705051613
RTGS / IFS Code: ICIC0000007
Grid India Pan No: AAFCP2086B
Grid India Tan No: DELP17480B
NRLDC GSTIN: 07AAFCP2086B1ZO
SAC: 996911

भवदीय,
For & On Behalf Of
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
GRID CONTROLLER OF INDIA LIMITED

(Sheikh Shadrudin)

General Manager
Northern Regional Load Despatch Centre

पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016