



# SJVN LIMITED

## Commercial & System Operation Department

### Provisional Billing for Energy Supplied from NATHPA JHAKRI HPS

Sr. No.	Month: October,2022	FY: 2022-2023		Differential Amount/Energy to be billed
	Description	Already Billed As Per Provisional REA dtd. 16.08.2023	As per Amendment REA dtd. 16.08.2023	
		A	B	C = B - A
A1	Annual Fixed Charges "AFC" in Rs. (as approved by CERC)	13630,750,000.00	13630,750,000.00	0.00
A2	Annual Design Energy (DE)in MWH	6,612,000.000	6,612,000.000	0.000
A3	Normative Auxiliary Consumption in % (AUX)	1.200	1.200	0.000
A4	Free Energy for Home State, in % (FEHS)	12.000	12.000	0.000
A5	Annual Ex-bus Design Energy [ DE X (100-AUX )/100 ] in MWH	6,532,656.000	6,532,656.000	0.000
A6	Annual Ex-bus Saleable Design Energy = [ DE X (100-AUX ) X ( 100-FEHS ) / 10000 ] in MWH	5,748,737.280	5,748,737.280	0.000
A7	Installed Capacity (IC) in MW	1500	1500	
A8	Number of Days in the month (NDM)}	31	31	00
A9	Number of Days in the year (NDY)	365	365	000
A10	Number of Days in the month (N)	31	31	00
A11	Normative Annual Plant Availability Factor in % (NAPAF)	90.000	90.000	0.000
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 ) } ] / kWh	1.186	1.186	0.000
A13	Energy Charge Rate for Energy in excess of Annual Ex-bus Saleable Design Energy in Rs/kwh.	1.186	1.186	0.000
<b>Capacity Charges (inclusive of incentive)</b>				
C1	Plant Availability Factor achieved during the month} (PAFM) [ (PAFM = 10000X # DCi / { N x IC x(100-Aux) } ]%	110.223	110.223	0.000
C2	Capacity Charge ( inclusive of incentive) for the month ( AFC X 0.5 X NDM / NDY X ( PAFM /NAPAF )	708,905,432.00	708,905,432.00	0.00
<b>Energy Details</b>				
E1	Ex-bus Scheduled Energy for the month in kwh.	505,157,962.2	505,157,962.2	0.0
E2	Free Power to the Home State as per REA in kwh.	61,661,193.5	61,661,193.5	0.0
E3	Ex-bus Saleable Scheduled Energy for the month in kwh. [{ Ex -bus Scheduled Energy in kwh } X (100-FEHS)/100] = E1-E2	443,496,768.7	443,496,768.7	0.0
E4	Ex-bus Scheduled Energy (cumulative) up to this month in kwh.	5,828,356,653.2	5,828,356,653.2	0.0
E5	Free Power to the Home State (cumulative) up to this month in kwh..	709,223,055.0	709,223,055.0	0.0
E6	Ex-bus Saleable Scheduled Energy (cumulative) up to this month in kwh. [{ Ex -bus Scheduled Energy in kwh } X (100-FEHS)/100] = E4-E5 kWh	5,119,133,598.2	5,119,133,598.2	0.0
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	0.0	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)	443,496,768.7	443,496,768.7	0.0
<b>Energy Charges</b>				
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)	525,987,168.00	525,987,168.00	0.00
EE2	Energy Charges for Energy in excess of Annual Ex-bus 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	0.00	0.00
<b>Total Charges in Rupees (C2 + EE1 + EE2)</b>		1,234,892,600.00	1,234,892,600.00	0.00



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Weighted Avg. %age Capacity Allocations to Beneficiaries of NATHPA JHAKRI HPS as per Amendment REA dated 16.08.2023					
For the month of October-2022 , Financial Year: 2022-2023 , Period: 01.10.2022 to 31.10.2022					
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% freepower from the share of Go HP)	Proportionate Weighted Avg. %age Capacity Allocation excluding Free Power
		A	B	C	D = C/0.88
1	CHANDIGARH	1.289677	1.289677	1.289677	1.465542
2	DELHI	9.470000	9.470000	9.470000	10.761364
3	GoHP	36.470000	34.000000	22.000000	25.000000
4	HPSEB	0.000000	2.470000	2.470000	2.806818
5	HARYANA	4.270000	4.270000	4.270000	4.852273
6	J & K	14.697097	14.697097	14.697097	16.701248
7	PUNJAB	10.130000	10.130000	10.130000	11.511364
8	MPPMCL	0.160000	0.160000	0.160000	0.181818
9	RAJASTHAN	7.470000	7.470000	7.470000	8.488636
11	UTTAR PRADESH	15.940000	15.940000	15.940000	18.113636
15	NDMC,DELHI	0.103226	0.103226	0.103226	0.117301
	<b>Total</b>	100.000000	100.000000	88.000000	100.000000
.					
Weighted Avg. % age Capacity Allocations to Discoms of DELHI for FY: 2022-2023, Period: 01.10.2022 to 31.10.2022					
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	
	<b>TOTAL</b>	100.000	9.470000	10.761364	
Weighted Avg. % age Capacity Allocations to Discoms of RAJASTHAN for FY: 2022-2023, Period: 01.10.2022 to 31.10.2022					
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	27.120	2.025864	2.302118	
2	JAIPUR VVNL	37.760	2.820672	3.205309	
3	JODHPUR VVNL	35.120	2.623464	2.981209	
	<b>TOTAL</b>	100.000	7.470000	8.488636	



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<b>Beneficiary wise Breakup of NRLDC Fees &amp; Charges of NATHPA JHAKRI HPS For the month of October-2022</b>								
		Already Billed As Per Provisional REA dtd. 16.08.2023			As per Amendment REA dtd. 16.08.2023 or Change in NRLDC fee & charges			
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.)	Wtd. Avg. %age Capacity Allocation as per REA	NRLDC Fees & Charges issued by POSOCO(Rs.)	Amount Payble by Beneficiaries(Rs.)	Total charges for the month Recievable (+)/ Payable (-) from/ to the Beneficiaries in Rs.)
		A	B	C=(A*B)/100	D	E	F=(D*E)/100	G=F-C
01	CHANDIGARH	1.289677	683,982.00	8,821.00	1.289677	683,982.00	8,821.00	0.00
02	TPDDL	2.905466		19,873.00	2.905396		19,872.00	-1.00
03	BSES RAJDHANI POWER	4.159323		28,449.00	4.159224		28,449.00	0.00
04	BSES YAMUNA POWER	2.405437		16,453.00	2.405380		16,452.00	-1.00
05	GoHP	34.000000		232,554.00	34.000000		232,554.00	0.00
06	HPSEB	2.470000		16,894.00	2.470000		16,894.00	0.00
07	HARYANA	4.270000		29,206.00	4.270000		29,206.00	0.00
08	J & K	14.697097		100,525.00	14.697097		100,525.00	0.00
09	PUNJAB	10.130000		69,287.00	10.130000		69,287.00	0.00
10	MPPMCL	0.160000		1,094.00	0.160000		1,094.00	0.00
11	AJMER VVNL	2.025864		13,857.00	2.025864		13,857.00	0.00
12	JAIPUR VVNL	2.820672		19,293.00	2.820672		19,293.00	0.00
13	JODHPUR VVNL	2.623464		17,944.00	2.623464		17,944.00	0.00
14	UTTAR PRADESH	15.940000		109,027.00	15.940000		109,027.00	0.00
15	NDMC,DELHI	0.103000		705.00	0.103226		707.00	2.00
	<b>Total</b>	<b>100.000000</b>	<b>683,982.00</b>	<b>683,982.00</b>	<b>100.000000</b>	<b>683,982.00</b>	<b>683,982.00</b>	<b>0.00</b>



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Beneficiary-wise breakup of Capacity & Energy Charges of NATHPA JHAKRI HPS for the month of October-2022																				
Already Billed As Per Provisional REA dtd. 16.08.2023										As per Amendment REA dtd. 16.08.2023							Difference			
Sr. No.	Name of Beneficiaries	Proportionate weightd Avg. % capacity Allocation (after excluding 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)			Proportionate weightd Avg. % capacity Allocation (after excluding 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)			Differential Amount on account of Capacity charges Receivable (+)/ Payable (-) from/ to the Beneficiaries in Rs.)	Differential Amount on account of Energy Charges Receivable (+)/ Payable (-) from/ to the Beneficiaries in Rs.	Total charges for the month Recievable (+)/ Payable (-) from/ to the Beneficiaries in Rs.
				As per 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			As per 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 * ( 1.186 )	G = E * ( 1.186 )	H = F + G	I	J	K	L	M	N = L * ( 1.186 )	O = M * ( 1.186 )	P = N + O	Q = J - B	R = P - H	S = Q + R	
1	CHANDIGARH	1.465542	10,389,307.00	6523236.9	6523236.9	0.0	7736559.00	0.00	7736559.00	1.465542	10,389,307.00	6523236.9	6523236.9	0.0	7736559.00	0.00	7736559.00	0.00	0.00	0.00
2	TPDDL	3.301664	23,405,675.00	14677799.0	14677799.0	0.0	17407870.00	0.00	17407870.00	3.301664	23,405,123.00	14677799.0	14677799.0	0.0	17407870.00	0.00	17407870.00	-552.00	0.00	-552.00
3	BSES RAJDHANI POWER	4.726504	33,506,444.00	21010303.5	21010303.5	0.0	24918220.00	0.00	24918220.00	4.726392	33,505,650.00	21010303.5	21010303.5	0.0	24918220.00	0.00	24918220.00	-794.00	0.00	-794.00
4	BSES YAMUNA POWER	2.733452	19,377,590.00	12149979.0	12149979.0	0.0	14409875.00	0.00	14409875.00	2.733386	19,377,122.00	12149979.0	12149979.0	0.0	14409875.00	0.00	14409875.00	-468.00	0.00	-468.00
5	GOHP	25.000000	177,226,358.00	111134751.7	111134751.7	0.0	131805816.00	0.00	131805816.00	25.000000	177,226,358.00	111134751.7	111134751.7	0.0	131805816.00	0.00	131805816.00	0.00	0.00	0.00
6	HPSEB	2.806818	19,897,685.00	11435166.8	11435166.8	0.0	13562108.00	0.00	13562108.00	2.806818	19,897,685.00	11435166.8	11435166.8	0.0	13562108.00	0.00	13562108.00	0.00	0.00	0.00
7	HARYANA	4.852273	34,398,027.00	21570236.0	21570236.0	0.0	25582300.00	0.00	25582300.00	4.852273	34,398,027.00	21570236.0	21570236.0	0.0	25582300.00	0.00	25582300.00	0.00	0.00	0.00
8	J & K	16.701248	118,396,052.00	74318537.1	74318537.1	0.0	88141783.00	0.00	88141783.00	16.701248	118,396,051.00	74318537.1	74318537.1	0.0	88141783.00	0.00	88141783.00	-1.00	0.00	-1.00
9	PUNJAB	11.511364	81,604,685.00	51172516.0	51172516.0	0.0	60690604.00	0.00	60690604.00	11.511364	81,604,685.00	51172516.0	51172516.0	0.0	60690604.00	0.00	60690604.00	0.00	0.00	0.00
10	MPPMCL	0.181818	1,288,918.00	808252.8	808252.8	0.0	958588.00	0.00	958588.00	0.181818	1,288,918.00	808252.8	808252.8	0.0	958588.00	0.00	958588.00	0.00	0.00	0.00
11	AJMER VVNL	2.302118	16,319,840.00	10233811.2	10233811.2	0.0	12137300.00	0.00	12137300.00	2.302118	16,319,840.00	10233811.2	10233811.2	0.0	12137300.00	0.00	12137300.00	0.00	0.00	0.00
12	JAIPUR VVNL	3.205309	22,722,610.00	14248846.3	14248846.3	0.0	16899132.00	0.00	16899132.00	3.205309	22,722,610.00	14248846.3	14248846.3	0.0	16899132.00	0.00	16899132.00	0.00	0.00	0.00
13	JODHPUR VVNL	2.981209	21,133,953.00	13252634.5	13252634.5	0.0	15717625.00	0.00	15717625.00	2.981209	21,133,953.00	13252634.5	13252634.5	0.0	15717625.00	0.00	15717625.00	0.00	0.00	0.00
14	UTTAR PRADESH	18.113636	128,408,550.00	80522187.9	80522187.9	0.0	95499315.00	0.00	95499315.00	18.113636	128,408,550.00	80522187.9	80522187.9	0.0	95499315.00	0.00	95499315.00	0.00	0.00	0.00
15	NDMC,DELHI	0.117045	829,738.00	438510.0	438510.0	0.0	520073.00	0.00	520073.00	0.117301	831,553.00	438510.0	438510.0	0.0	520073.00	0.00	520073.00	1,815.00	0.00	1,815.00
	<b>TOTAL</b>	<b>100.000000</b>	<b>708905432.00</b>	<b>443496768.7</b>	<b>443496768.7</b>	<b>0</b>	<b>525987168.00</b>	<b>0</b>	<b>525987168.00</b>	<b>100.000000</b>	<b>708905432.00</b>	<b>443496768.7</b>	<b>443496768.7</b>	<b>0</b>	<b>525987168.00</b>	<b>0</b>	<b>525987168.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>



**SJVN LIMITED**  
**Commercial & System Operation Department**

**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  
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