



# SJVN LIMITED

## Commercial & System Operation Department

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

Sr. No.	Month: September,2024	FY: 2024-2025		Differential Amount/Energy to be billed
	Description	Already Billed As Per Provisional REA dtd. 03.10.2024	As per Amendment REA dtd. 03.10.2024	
		A	B	C = B - A
A1	Annual Fixed Charges "AFC" in Rs. (as approved by CERC)	13828,636,000.00	13828,636,000.00	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)}	30	30	00
A9	Number of Days in the year (NDY)	365	365	000
A10	Number of Days in the month (N)	30	30	00
A11	Normative Annual Plant Availability Factor in % (NAPAF)	87.000	87.000	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	1.203	1.203	0.000
A13	Energy Charge Rate for Energy in excess of Annual Ex-bus Saleable Design Energy in Rs/kwh.	1.203	1.203	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) } ) %	105.667	105.667	0.000
C2	Capacity Charge ( inclusive of incentive) for the month ( AFC X 0.5 X NDM / NDY X ( PAFM /NAPAF )	690,236,410.00	690,236,410.00	0.00
C3	Beta Factor, as per REA, which shall be in the range from 0.3 to 1	0.000	0.000	
C4	Incentive on account of Beta Factor{(3%xBeta Factx0.5xAFC)/12}	0.00	0.00	0.00
C5	Total Capacity Charges including Incentives on account of BetaFactor	690,236,410.00	690,236,410.00	0.00
<b>Energy Details</b>				
E1	Ex-bus Scheduled Energy for the month in kwh.	1,020,256,200.0	1,020,256,200.0	0.0
E2	Free Power to the Home State as per REA in kwh.	122,431,050.0	122,431,050.0	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	897,825,150.0	897,825,150.0	0.0
E4	Ex-bus Scheduled Energy (cumulative) up to this month in kwh.	5,698,948,423.7	5,698,948,423.7	0.0
E5	Free Power to the Home State (cumulative) up to this month in kwh..	683,874,116.8	683,874,116.8	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	5,015,074,306.9	5,015,074,306.9	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)	897,825,150.0	897,825,150.0	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)	1,080,083,655.00	1,080,083,655.00	0.00



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Sr. No.	Month: September,	FY: 2024-2025		
	Description	Already Billed As Per Provisional REA dtd. 03.10.2024	As per Amendment REA dtd. 03.10.2024	Differential Amount/Energy to be billed
		A	B	C = B - A
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 (C5 + EE1 + EE2)</b>		1,770,320,065.00	1,770,320,065.00	0.00



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<b>Weighted Avg. %age Capacity Allocations to Beneficiaries of NATHPA JHAKRI HPS as per Amendment REA dated 03.10.2024</b>					
<b>For the month of September-2024 , Financial Year: 2024-2025 , Period: 01.09.2024 to 30.09.2024</b>					
<b>Sr. No.</b>	<b>Name of Beneficiaries</b>	<b>Wtd. Avg. %age Capacity Allocation(Including 12% Free Power)</b>	<b>Wtd. Avg. %age Capacity Allocation of GoHP including 22% equity and 12% Free Power after allocating SoR share to HPESB</b>	<b>Wtd. Avg %age Capacity allocation(excluding 12% freepower from the share of Go HP)</b>	<b>Proportionate Weighted Avg. %age Capacity Allocation excluding Free Power</b>
		<b>A</b>	<b>B</b>	<b>C</b>	<b>D = C/0.88</b>
1	CHANDIGARH	1.486106	1.486106	1.486106	1.688757
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	5.066755	5.066755	5.066755	5.757676
6	J & K	8.593508	8.593508	8.593508	9.765350
7	PUNJAB	13.056707	13.056707	13.056707	14.837167
8	MPPMCL	0.230876	0.230876	0.230876	0.262359
9	RAJASTHAN	8.824484	8.824484	8.824484	10.027823
11	UTTAR PRADESH	15.925133	15.925133	15.925133	18.096742
15	NDMC,DELHI	0.876431	0.876431	0.876431	0.995944
	<b>Total</b>	100.000000	100.000000	88.000000	100.000000
<b>Weighted Avg. % age Capacity Allocations to Discoms of DELHI for FY: 2024-2025, Period: 01.09.2024 to 30.09.2024</b>					
<b>Sr. No.</b>	<b>DELHI Discoms</b>	<b>%age Share</b>	<b>Weighted Avg. %age Capacity Allocation (inclusive of 12% Free Power)</b>	<b>Weighted Avg. %age Capacity Allocation (exclusive of 12% Free Power)</b>	
1	TPDDL	30.680	2.905400	3.301591	
2	BSES RAJDHANI POWER	43.920	4.159200	4.726364	
3	BSES YAMUNA POWER	25.400	2.405400	2.733409	
	<b>TOTAL</b>	100.000	9.470000	10.761364	
<b>Weighted Avg. % age Capacity Allocations to Discoms of RAJASTHAN for FY: 2024-2025, Period: 01.09.2024 to 30.09.2024</b>					
<b>Sr. No.</b>	<b>RAJASTHAN Discoms</b>	<b>%age Share</b>	<b>Weighted Avg. %age Capacity Allocation (inclusive of 12% Free Power)</b>	<b>Weighted Avg. %age Capacity Allocation (exclusive of 12% Free Power)</b>	
1	AJMER VVNL	28.800	2.541451	2.888013	
2	JAIPUR VVNL	37.390	3.299475	3.749403	
3	JODHPUR VVNL	33.810	2.983558	3.390407	
	<b>TOTAL</b>	100.000	8.824484	10.027823	



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<b>Beneficiary wise Breakup of NRLDC Fees &amp; Charges of NATHPA JHAKRI HPS For the month of September-2024</b>								
		Already Billed As Per Provisional REA dtd. 03.10.2024			As per Amendment REA dtd. 03.10.2024 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	1.486106		17,583.00	1.486106		17,583.00	0.00
02	TPDDL	2.905400		34,376.00	2.905400		34,376.00	0.00
03	BSES RAJDHANI POWER	4.159200		49,210.00	4.159200		49,210.00	0.00
04	BSES YAMUNA POWER	2.405400		28,460.00	2.405400		28,460.00	0.00
05	GoHP	34.000000		402,277.00	34.000000		402,277.00	0.00
06	HPSEB	2.470000		29,224.00	2.470000		29,224.00	0.00
07	HARYANA	5.066755		59,948.00	5.066755		59,948.00	0.00
08	J & K	8.593508		101,676.00	8.593508		101,676.00	0.00
09	PUNJAB	13.056707		154,483.00	13.056707		154,483.00	0.00
10	MPPMCL	0.230876		2,732.00	0.230876		2,732.00	0.00
11	AJMER VVNL	2.541451		30,070.00	2.541451		30,070.00	0.00
12	JAIPUR VVNL	3.299475	1,183,169.00	39,038.00	3.299475	1,183,169.00	39,038.00	0.00
13	JODHPUR VVNL	2.983558		35,301.00	2.983558		35,301.00	0.00
14	UTTAR PRADESH	15.925133		188,421.00	15.925133		188,421.00	0.00
15	NDMC,DELHI	0.876431		10,370.00	0.876431		10,370.00	0.00
	<b>Total</b>	<b>100.000000</b>	<b>1,183,169.00</b>	<b>1,183,169.00</b>	<b>100.000000</b>	<b>1,183,169.00</b>	<b>1,183,169.00</b>	<b>0.00</b>



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Beneficiary-wise breakup of Capacity & Energy Charges of NATHPA JHAKRI HPS for the month of September-2024																				
Already Billed As Per Provisional REA dtd. 03.10.2024										As per Amendment REA dtd. 03.10.2024							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 * ( 1.203 )	G = E * ( 1.203 )	H = F + G	I	J	K	L	M	N = L * ( 1.203 )	O = M * ( 1.203 )	P = N + O	Q = J - B	R = P - H	S = Q + R	
1	CHANDIGARH	1.688757	11,656,416.00	15161557.5	15161557.5	0.0	18239354.00	0.00	18239354.00	1.688757	11,656,416.00	15161557.5	15161557.5	0.0	18239354.00	0.00	18239354.00	0.00	0.00	0.00
2	TPDDL	3.301591	22,788,783.00	29643004.9	29643004.9	0.0	35660535.00	0.00	35660535.00	3.301591	22,788,783.00	29650593.5	29650593.5	0.0	35669664.00	0.00	35669664.00	0.00	9,129.00	9,129.00
3	BSES RAJDHANI POWER	4.726364	32,623,085.00	42435184.8	42435184.8	0.0	51049527.00	0.00	51049527.00	4.726364	32,623,085.00	42446048.1	42446048.1	0.0	51062596.00	0.00	51062596.00	0.00	13,069.00	13,069.00
4	BSES YAMUNA POWER	2.733409	18,866,984.00	24541641.1	24541641.1	0.0	29523594.00	0.00	29523594.00	2.733409	18,866,984.00	24547923.7	24547923.7	0.0	29531152.00	0.00	29531152.00	0.00	7,558.00	7,558.00
5	GOHP	25.000000	172,559,103.00	224456364.0	224456364.0	0.0	270021006.00	0.00	270021006.00	25.000000	172,559,103.00	224456364.0	224456364.0	0.0	270021006.00	0.00	270021006.00	0.00	0.00	0.00
6	HPSEB	2.806818	19,373,680.00	25199408.5	25199408.5	0.0	30314888.00	0.00	30314888.00	2.806818	19,373,680.00	25199408.5	25199408.5	0.0	30314888.00	0.00	30314888.00	0.00	0.00	0.00
7	HARYANA	5.757676	39,741,576.00	51692102.5	51692102.5	0.0	62185599.00	0.00	62185599.00	5.757676	39,741,576.00	51692102.5	51692102.5	0.0	62185599.00	0.00	62185599.00	0.00	0.00	0.00
8	J & K	9.765350	67,404,001.00	87677217.5	87677217.5	0.0	105475693.00	0.00	105475693.00	9.765350	67,404,001.00	87677217.5	87677217.5	0.0	105475693.00	0.00	105475693.00	0.00	0.00	0.00
9	PUNJAB	14.837167	102,411,529.00	133210425.0	133210425.0	0.0	160252141.00	0.00	160252141.00	14.837167	102,411,529.00	133210425.0	133210425.0	0.0	160252141.00	0.00	160252141.00	0.00	0.00	0.00
10	MPPMCL	0.262359	1,810,897.00	2355230.0	2355230.0	0.0	2833342.00	0.00	2833342.00	0.262359	1,810,897.00	2355230.0	2355230.0	0.0	2833342.00	0.00	2833342.00	0.00	0.00	0.00
11	AJMER VVNL	2.888013	19,934,117.00	25929784.8	25929784.8	0.0	31193531.00	0.00	31193531.00	2.888013	19,934,117.00	25929784.8	25929784.8	0.0	31193531.00	0.00	31193531.00	0.00	0.00	0.00
12	JAIPUR VVNL	3.749403	25,879,745.00	33663703.3	33663703.3	0.0	40497435.00	0.00	40497435.00	3.749403	25,879,745.00	33663703.3	33663703.3	0.0	40497435.00	0.00	40497435.00	0.00	0.00	0.00
13	JODHPUR VVNL	3.390407	23,401,824.00	30440486.9	30440486.9	0.0	36619906.00	0.00	36619906.00	3.390407	23,401,824.00	30440486.9	30440486.9	0.0	36619906.00	0.00	36619906.00	0.00	0.00	0.00
14	UTTAR PRADESH	18.096742	124,910,302.00	162477052.5	162477052.5	0.0	195459894.00	0.00	195459894.00	18.096742	124,910,302.00	162477052.5	162477052.5	0.0	195459894.00	0.00	195459894.00	0.00	0.00	0.00
15	NDMC,DELHI	0.995944	6,874,368.00	8941986.7	8941986.7	0.0	10757210.00	0.00	10757210.00	0.995944	6,874,368.00	8917252.2	8917252.2	0.0	10727454.00	0.00	10727454.00	0.00	-29,756.00	-29,756.00
	<b>TOTAL</b>	<b>100.000000</b>	<b>690236410.00</b>	<b>897825150.0</b>	<b>897825150.0</b>	<b>0</b>	<b>1080083655.00</b>	<b>0</b>	<b>1080083655.00</b>	<b>100.000000</b>	<b>690236410.00</b>	<b>897825150.0</b>	<b>897825150.0</b>	<b>0</b>	<b>1080083655.00</b>	<b>0</b>	<b>1080083655.00</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**

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