



SJVN LIMITED

Commercial & System Operation Department

Provisional Billing for Energy Supplied from NATHPA JHAKRI HPS

Sr. No.	Month: August,2024	FY: 2024-2025		Differential Amount/Energy to be billed
	Description	Already Billed As Per Provisional REA dtd. 03.09.2024	As per Amendment REA dtd. 03.09.2024	
		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)}	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)	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
Capacity Charges (inclusive of incentive)				
C1	Plant Availability Factor achieved during the month} (PAFM) [(PAFM = 10000X # DCi / { N x IC x(100-Aux) }]%	110.029	110.029	0.000
C2	Capacity Charge (inclusive of incentive) for the month (AFC X 0.5 X NDM / NDY X (PAFM /NAPAF)	742,687,462.00	742,687,462.00	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	742,687,462.00	742,687,462.00	0.00
Energy Details				
E1	Ex-bus Scheduled Energy for the month in kwh.	1,173,780,733.6	1,173,780,733.6	0.0
E2	Free Power to the Home State as per REA in kwh.	140,853,688.0	140,853,688.0	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	1,032,927,045.6	1,032,927,045.6	0.0
E4	Ex-bus Scheduled Energy (cumulative) up to this month in kwh.	4,678,692,223.7	4,678,692,223.7	0.0
E5	Free Power to the Home State (cumulative) up to this month in kwh..	561,443,066.8	561,443,066.8	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	4,117,249,156.9	4,117,249,156.9	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)	1,032,927,045.6	1,032,927,045.6	0.0
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)	1,242,611,236.00	1,242,611,236.00	0.00



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Sr. No.	Month: August,	FY: 2024-2025		
	Description	Already Billed As Per Provisional REA dtd. 03.09.2024	As per Amendment REA dtd. 03.09.2024	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
Total Charges in Rupees (C5 + EE1 + EE2)		1,985,298,698.00	1,985,298,698.00	0.00



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Weighted Avg. %age Capacity Allocations to Beneficiaries of NATHPA JHAKRI HPS as per Amendment REA dated 03.09.2024					
For the month of August-2024 , Financial Year: 2024-2025 , Period: 01.08.2024 to 31.08.2024					
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% 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	1.486106	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
	Total	100.000000	100.000000	88.000000	100.000000
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Weighted Avg. % age Capacity Allocations to Discoms of DELHI for FY: 2024-2025, Period: 01.08.2024 to 31.08.2024					
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	2.905400	3.301591	
2	BSES RAJDHANI POWER	43.920	4.159200	4.726364	
3	BSES YAMUNA POWER	25.400	2.405400	2.733409	
	TOTAL	100.000	9.470000	10.761364	
Weighted Avg. % age Capacity Allocations to Discoms of RAJASTHAN for FY: 2024-2025, Period: 01.08.2024 to 31.08.2024					
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	2.541451	2.888013	
2	JAIPUR VVNL	37.390	3.299475	3.749403	
3	JODHPUR VVNL	33.810	2.983558	3.390407	
	TOTAL	100.000	8.824484	10.027823	



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Beneficiary wise Breakup of NRLDC Fees & Charges of NATHPA JHAKRI HPS For the month of August-2024								
		Already Billed As Per Provisional REA dtd. 03.09.2024			As per Amendment REA dtd. 03.09.2024 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	862,688.00	12,820.00	1.486106	862,688.00	12,820.00	0.00
02	TPDDL	2.905400		25,065.00	2.905400		25,065.00	0.00
03	BSES RAJDHANI POWER	4.159200		35,881.00	4.159200		35,881.00	0.00
04	BSES YAMUNA POWER	2.405400		20,751.00	2.405400		20,751.00	0.00
05	GoHP	34.000000		293,314.00	34.000000		293,314.00	0.00
06	HPSEB	2.470000		21,308.00	2.470000		21,308.00	0.00
07	HARYANA	5.066755		43,710.00	5.066755		43,710.00	0.00
08	J & K	8.593508		74,135.00	8.593508		74,135.00	0.00
09	PUNJAB	13.056707		112,639.00	13.056707		112,639.00	0.00
10	MPPMCL	0.230876		1,992.00	0.230876		1,992.00	0.00
11	AJMER VVNL	2.541451		21,925.00	2.541451		21,925.00	0.00
12	JAIPUR VVNL	3.299475		28,464.00	3.299475		28,464.00	0.00
13	JODHPUR VVNL	2.983558		25,739.00	2.983558		25,739.00	0.00
14	UTTAR PRADESH	15.925133		137,384.00	15.925133		137,384.00	0.00
15	NDMC,DELHI	0.876431		7,561.00	0.876431		7,561.00	0.00
	Total	100.000000	862,688.00	862,688.00	100.000000	862,688.00	862,688.00	0.00



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Beneficiary-wise breakup of Capacity & Energy Charges of NATHPA JHAKRI HPS for the month of August-2024																				
Already Billed As Per Provisional REA dtd. 03.09.2024										As per Amendment REA dtd. 03.09.2024							Difference			
Sr. No.	Name of Beneficiaries	Proportionate weighte d 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 weighte d 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	12,542,187.00	17443586.9	17443586.9	0.0	20984635.00	0.00	20984635.00	1.688757	12,542,187.00	17443586.9	17443586.9	0.0	20984635.00	0.00	20984635.00	0.00	0.00	0.00
2	TPDDL	3.301591	24,520,502.00	34112327.5	34112327.5	0.0	41037130.00	0.00	41037130.00	3.301591	24,520,502.00	34112374.5	34112374.5	0.0	41037186.00	0.00	41037186.00	0.00	56.00	56.00
3	BSES RAJDHANI POWER	4.726364	35,102,113.00	48833553.6	48833553.6	0.0	58746765.00	0.00	58746765.00	4.726364	35,102,113.00	48833271.7	48833271.7	0.0	58746426.00	0.00	58746426.00	0.00	-339.00	-339.00
4	BSES YAMUNA POWER	2.733409	20,300,686.00	28241627.0	28241627.0	0.0	33974677.00	0.00	33974677.00	2.733409	20,300,686.00	28241861.9	28241861.9	0.0	33974960.00	0.00	33974960.00	0.00	283.00	283.00
5	GOHP	25.000000	185,671,866.00	258231761.4	258231761.4	0.0	310652809.00	0.00	310652809.00	25.000000	185,671,866.00	258231761.4	258231761.4	0.0	310652809.00	0.00	310652809.00	0.00	0.00	0.00
6	HPSEB	2.806818	20,845,885.00	28992582.9	28992582.9	0.0	34878077.00	0.00	34878077.00	2.806818	20,845,885.00	28992582.9	28992582.9	0.0	34878077.00	0.00	34878077.00	0.00	0.00	0.00
7	HARYANA	5.757676	42,761,538.00	59468291.7	59468291.7	0.0	71540355.00	0.00	71540355.00	5.757676	42,761,538.00	59468291.7	59468291.7	0.0	71540355.00	0.00	71540355.00	0.00	0.00	0.00
8	J & K	9.765350	72,526,030.00	100871484.4	100871484.4	0.0	121348395.00	0.00	121348395.00	9.765350	72,526,030.00	100871484.4	100871484.4	0.0	121348395.00	0.00	121348395.00	0.00	0.00	0.00
9	PUNJAB	14.837167	110,193,779.00	153253898.4	153253898.4	0.0	184364440.00	0.00	184364440.00	14.837167	110,193,779.00	153253898.4	153253898.4	0.0	184364440.00	0.00	184364440.00	0.00	0.00	0.00
10	MPPMCL	0.262359	1,948,507.00	2710428.6	2710428.6	0.0	3260646.00	0.00	3260646.00	0.262359	1,948,507.00	2710428.6	2710428.6	0.0	3260646.00	0.00	3260646.00	0.00	0.00	0.00
11	AJMER VVNL	2.888013	21,448,910.00	29831867.7	29831867.7	0.0	35887737.00	0.00	35887737.00	2.888013	21,448,910.00	29831867.7	29831867.7	0.0	35887737.00	0.00	35887737.00	0.00	0.00	0.00
12	JAIPUR VVNL	3.749403	27,846,346.00	38729636.6	38729636.6	0.0	46591753.00	0.00	46591753.00	3.749403	27,846,346.00	38729636.6	38729636.6	0.0	46591753.00	0.00	46591753.00	0.00	0.00	0.00
13	JODHPUR VVNL	3.390407	25,180,128.00	35021369.6	35021369.6	0.0	42130708.00	0.00	42130708.00	3.390407	25,180,128.00	35021369.6	35021369.6	0.0	42130708.00	0.00	42130708.00	0.00	0.00	0.00
14	UTTAR PRADESH	18.096742	134,402,234.00	186925521.1	186925521.1	0.0	224871402.00	0.00	224871402.00	18.096742	134,402,234.00	186925521.1	186925521.1	0.0	224871402.00	0.00	224871402.00	0.00	0.00	0.00
15	NDMC,DELHI	0.995944	7,396,751.00	10259108.2	10259108.2	0.0	12341707.00	0.00	12341707.00	0.995944	7,396,751.00	10259108.2	10259108.2	0.0	12341707.00	0.00	12341707.00	0.00	0.00	0.00
	TOTAL	100.000000	742687462.00	1032927045.6	1032927045.6	0	1242611236.00	0	1242611236.00	100.000000	742687462.00	1032927045.6	1032927045.6	0	1242611236.00	0	1242611236.00	0.00	0.00	0.00



SJVN LIMITED
Commercial & System Operation Department

Prepared By

Signature:
Name:
Designation:

Checked By

Signature:
Name:
Designation:

Issued By

Signature:
Name:
Designation:

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