



SJVN LIMITED

Commercial & System Operation Department

Provisional Billing for Energy Supplied from RAMPUR HPS

Sr. No.	Month: February,2023	FY: 2022 -2023		Differential Amount/Energy to be billed
	Description	Already Billed As Per Provisional REA dtd. 03.03.2023	As per Final REA dtd. 01.12.2023	
		A	B	C = B - A
A1	Annual Fixed Charges "AFC" in Rs. (as approved by CERC)	6,743,892,000.00	6,743,892,000.00	0.00
A2	Annual Design Energy (DE)in MWH	1,878,080.000	1,878,080.000	0.000
A3	Normative Auxiliary Consumption in % (AUX)	1.000	1.000	0.000
A4	Free Energy for Home State, in % (FEHS)	13.000	13.000	0.000
A5	Annual Ex-bus Design Energy [DE X (100-AUX)/100] in MWH	1,859,299.200	1,859,299.200	0.000
A6	Annual Ex-bus Saleable Design Energy = [DE X (100-AUX) X (100-FEHS) / 10000] in MWH	1,617,590.304	1,617,590.304	0.000
A7	Installed Capacity (IC) in MW	412	412	
A8	Number of Days in the month (NDM)}	28	28	00
A9	Number of Days in the year (NDY)	365	365	000
A10	Number of Days in the month (N)	28	28	00
A11	Normative Annual Plant Availability Factor in % (NAPAF)	85.000	85.000	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	2.085	2.085	0.000
A13	Energy Charge Rate for Energy in excess of Annual Ex-bus Saleable Design Energy in Rs/kwh.	1.200	1.200	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) }]%	89.568	89.568	0.000
C2	Capacity Charge (inclusive of incentive) for the month (AFC X 0.5 X NDM / NDY X (PAFM /NAPAF)	272,571,051.00	272,571,051.00	0.00
Energy Details				
E1	Ex-bus Scheduled Energy for the month in kwh.	51,323,498.2	51,323,498.2	0.0
E2	Free Power to the Home State as per REA in kwh.	6,762,778.7	6,985,207.2	222,428.5
E3	Ex-bus Saleable Scheduled Energy for the month in kwh. [{ Ex -bus Scheduled Energy in kwh } X (100-FEHS)/100] = E1-E2	44,560,719.5	44,338,291.0	-222,428.5
E4	Ex-bus Scheduled Energy (cumulative) up to this month in kwh.	1,850,996,685.2	1,851,061,934.9	65,249.7
E5	Free Power to the Home State (cumulative) up to this month in kwh..	247,663,545.3	249,063,327.2	1,399,781.9
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	1,603,333,139.9	1,601,998,607.7	-1,334,532.2
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)	44,560,719.5	44,338,291.0	-222,428.5
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)	92,909,100.00	92,445,337.00	-463,763.00
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
Total Charges in Rupees (C2 + EE1 + EE2)		365,480,151.00	365,016,388.00	-463,763.00



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Weighted Avg. %age Capacity Allocations to Beneficiaries of RAMPUR HPS as per Final REA dated 01.12.2023					
For the month of February-2023 , Financial Year: 2022 -2023 , Period: 01.02.2023 to 28.02.2023					
Sr. No.	Name of Beneficiaries	Wtd. Avg. %age Capacity Allocation(Including 13% Free Power)	Wtd. Avg. %age Capacity Allocation of GoHP including 26.1% equity and 13% Free Power after allocating SoR share to HPESB	Wtd. Avg %age Capacity allocation(excluding 13% freepower from the share of Go HP)	Proportionate Weighted Avg. %age Capacity Allocation excluding Free Power
		A	B	C	D = C/0.87
1	CHANDIGARH	0.630000	0.630000	0.630000	0.724000
2	GoHP	41.910000	39.100000	26.100000	30.000000
3	HPSEB	0.000000	2.810000	2.810000	3.230000
4	HARYANA	4.150000	4.150000	4.150000	4.770000
5	J & K	15.130000	15.130000	15.130000	17.390000
6	PUNJAB	5.620000	5.620000	5.620000	6.460000
8	RAJASTHAN	7.720000	7.720000	7.720000	8.874000
9	UTTARAKHAND	10.800000	10.800000	10.800000	12.414000
10	UTTAR PRADESH	13.760000	13.760000	13.760000	15.816000
12	NDMC,DELHI	0.280000	0.280000	0.280000	0.322000
	Total	100.000000	100.000000	87.000000	100.000000

Weighted Avg. % age Capacity Allocations to Discoms of RAJASTHAN for FY: 2022 -2023, Period: 01.02.2023 to 28.02.2023				
Sr. No.	RAJASTHAN Discoms	%age Share	Weighted Avg. %age Capacity Allocation (inclusive of 13% Free Power)	Weighted Avg. %age Capacity Allocation (exclusive of 13% Free Power)
1	AJMER VVNL	27.120	2.094000	2.407000
2	JAIPUR VVNL	37.760	2.915000	3.351000
3	JODHPUR VVNL	35.120	2.711000	3.116000
	TOTAL	100.000	7.720000	8.874000



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Beneficiary wise Breakup of NRLDC Fees & Charges of RAMPUR HPS For the month of February-2023								
		Already Billed As Per Provisional REA dtd. 03.03.2023			As per Final REA dtd. 01.12.2023 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 Recieveable (+)/ Payable (-) from/ to the Beneficiaries in Rs.)
		A	B	C=(A*B)/100	D	E	F=(D*E)/100	G=F-C
01	CHANDIGARH	0.630000	182,600.00	1,150.00	0.630000	182,600.00	1,150.00	0.00
02	GoHP	39.100000		71,397.00	39.100000		71,397.00	0.00
03	HPSEB	2.810000		5,131.00	2.810000		5,131.00	0.00
04	HARYANA	4.150000		7,578.00	4.150000		7,578.00	0.00
05	J & K	15.130000		27,628.00	15.130000		27,628.00	0.00
06	PUNJAB	5.620000		10,262.00	5.620000		10,262.00	0.00
07	AJMER VVNL	2.094000		3,824.00	2.094000		3,824.00	0.00
08	JAIPUR VVNL	2.915000		5,322.00	2.915000		5,322.00	0.00
09	JODHPUR VVNL	2.711000		4,950.00	2.711000		4,950.00	0.00
10	UTTARAKHAND	10.800000		19,721.00	10.800000		19,721.00	0.00
11	UTTAR PRADESH	13.760000		25,126.00	13.760000		25,126.00	0.00
12	NDMC,DELHI	0.280000		511.00	0.280000		511.00	0.00
	Total	100.000000	182,600.00	182,600.00	100.000000	182,600.00	182,600.00	0.00



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Beneficiary-wise breakup of Capacity & Energy Charges of RAMPUR HPS for the month of February-2023																				
Already Billed As Per Provisional REA dtd. 03.03.2023										As per Final REA dtd. 01.12.2023							Difference			
Sr. No.	Name of Beneficiaries	Proportionate weightd Avg. % capacity Allocation (after excluding 13% 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 13% 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 * (2.085)	G = E * (1.200)	H = F + G	I	J	K	L	M	N = L * (2.085)	O = M * (1.200)	P = N + O	Q = J - B	R = P - H	S = Q + R
1	CHANDIGARH	0.724000	1,973,414.00	323342.4	323342.4	0.0	674169.00	0.00	674169.00	0.724000	1,973,414.00	323342.4	323342.4	0.0	674169.00	0.00	674169.00	0.00	0.00	0.00
2	GOHP	30.000000	81,771,315.00	13395433.0	13395433.0	0.0	27929478.00	0.00	27929478.00	30.000000	81,771,315.00	13395433.0	13395433.0	0.0	27929478.00	0.00	27929478.00	0.00	0.00	0.00
3	HPSEB	3.230000	8,804,045.00	1351471.5	1351471.5	0.0	2817818.00	0.00	2817818.00	3.230000	8,804,045.00	1129043.0	1129043.0	0.0	2354055.00	0.00	2354055.00	0.00	-463,763.00	-463,763.00
4	HARYANA	4.770000	13,001,639.00	2129929.6	2129929.6	0.0	4440903.00	0.00	4440903.00	4.770000	13,001,639.00	2129929.6	2129929.6	0.0	4440903.00	0.00	4440903.00	0.00	0.00	0.00
5	J & K	17.390000	47,400,107.00	7765241.2	7765241.2	0.0	16190527.00	0.00	16190527.00	17.390000	47,400,107.00	7765241.2	7765241.2	0.0	16190527.00	0.00	16190527.00	0.00	0.00	0.00
6	PUNJAB	6.460000	17,608,090.00	2884370.2	2884370.2	0.0	6013912.00	0.00	6013912.00	6.460000	17,608,090.00	2884370.2	2884370.2	0.0	6013912.00	0.00	6013912.00	0.00	0.00	0.00
7	AJMER VVNL	2.407000	6,560,785.00	1074541.6	1074541.6	0.0	2240419.00	0.00	2240419.00	2.407000	6,560,785.00	1074541.6	1074541.6	0.0	2240419.00	0.00	2240419.00	0.00	0.00	0.00
8	JAIPUR VVNL	3.351000	9,133,856.00	1496117.0	1496117.0	0.0	3119404.00	0.00	3119404.00	3.351000	9,133,856.00	1496117.0	1496117.0	0.0	3119404.00	0.00	3119404.00	0.00	0.00	0.00
9	JODHPUR VVNL	3.116000	8,493,314.00	1391515.6	1391515.6	0.0	2901310.00	0.00	2901310.00	3.116000	8,493,314.00	1391515.6	1391515.6	0.0	2901310.00	0.00	2901310.00	0.00	0.00	0.00
10	UTTARAKHAND	12.414000	33,836,970.00	5542938.0	5542938.0	0.0	11557026.00	0.00	11557026.00	12.414000	33,836,970.00	5542938.0	5542938.0	0.0	11557026.00	0.00	11557026.00	0.00	0.00	0.00
11	UTTAR PRADESH	15.816000	43,109,837.00	7062113.6	7062113.6	0.0	14724507.00	0.00	14724507.00	15.816000	43,109,837.00	7062113.6	7062113.6	0.0	14724507.00	0.00	14724507.00	0.00	0.00	0.00
12	NDMC,DELHI	0.322000	877,679.00	143705.8	143705.8	0.0	299627.00	0.00	299627.00	0.322000	877,679.00	143705.8	143705.8	0.0	299627.00	0.00	299627.00	0.00	0.00	0.00
	TOTAL	100.000000	272571051.00	44560719.5	44560719.5	0	92909100.00	0	92909100.00	100.000000	272571051.00	44338291.0	44338291.0	0	92445337.00	0	92445337.00	0.00	-463,763.00	-463,763.00

Prepared By

Signature:
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Designation:

Checked By

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Name:
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In case of any discrepancy, contact the following



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