



**OFFICE OF THE SUPERINTENDING ENGINEER (ENERGY ACCOUNTING)**

R. V. P. N., SLDC BUILDING, HEERAPURA

ENERGY ACCOUNT OF GENERATING STATIONS AND DISCOMS FOR THE MONTH OF

Apr-18

(PROVISIONAL)

Apr-18			REVISION- 0							
Sr. No.	Name of Power Station	Ex-Generator (LU) / Net sent	Discomwise Allocation (%)				Discomwise Energy (LU)			
			Jaipur	Ajmer	Jodhpur	Railway	Jaipur	Ajmer	Jodhpur	Railway
1	Purchase from Central Station as per ISGS Lines	18226.31013	40.00%	28.00%	32.00%		7,290.52405	5,103.36684	5,832.41924	
	<b>Total Outside Purchases (I)</b>	<b>18,226.31013</b>	<b>40.00%</b>	<b>28.00%</b>	<b>32.00%</b>		<b>7,290.52405</b>	<b>5,103.36684</b>	<b>5,832.41924</b>	
2	<b>Within State Purchase</b>									
A.	<b>RAPP-A</b>									
1	RAPP-Unit 2	480.32000	40.00%	28.00%	32.00%		192.12800	134.48960	153.70240	
	<b>Total RAPP-A</b>	<b>480.32000</b>	<b>40.00%</b>	<b>28.00%</b>	<b>32.00%</b>		<b>192.12800</b>	<b>134.48960</b>	<b>153.70240</b>	
B.	<b>Energy Availed from RVPN share of Chambal - Satpura complex</b>									
1	Chambal (RPS+JS+GS)	8.56000	40.00%	28.00%	32.00%		3.42400	2.39680	2.73920	
	<b>Chambal +Satpura TOTAL</b>	<b>8.56000</b>	<b>40.00%</b>	<b>28.00%</b>	<b>32.00%</b>		<b>3.42400</b>	<b>2.39680</b>	<b>2.73920</b>	
CI.	<b>Generating Stations of RVUN</b>									
1	Kota TPS	5,935.34725	40.00%	28.00%	32.00%		2,374.13890	1,661.89723	1,899.31112	
2	Suratgarh TPS	6,751.14515	40.00%	28.00%	32.00%		2,700.45806	1,890.32064	2,160.36645	
3	Rangarh GTPS (firm power)	1,049.37250	40.00%	28.00%	32.00%		419.74900	293.82430	335.79920	
4	Mahi - I & Mahi - II	33.20990	40.00%	28.00%	32.00%		13.28396	9.29877	10.62717	
5	STPS MMH	(0.07660)	40.00%	28.00%	32.00%		(0.03064)	(0.02145)	(0.02451)	
6	Mini Micro Hydel	(0.02357)	40.00%	28.00%	32.00%		-0.00943	-0.00660	-0.00754	
7	Mangrol	(0.09060)	40.00%	28.00%	32.00%		-0.03624	-0.02537	-0.02899	
8	Dholpur Combined Cycle Power Project(DCCPP)	-	40.00%	28.00%	32.00%		0.00000	0.00000	0.00000	
9	Giral Lignite Thermal Power Station (unit - I)	-	40.00%	28.00%	32.00%		0.00000	0.00000	0.00000	
10	Giral Lignite Thermal Power Station (unit - II)	-	40.00%	28.00%	32.00%		0.00000	0.00000	0.00000	
11	CHHABRA TPS	5,106.83375	40.00%	28.00%	32.00%		2042.73350	1429.91345	1634.18680	
12	Chhabra Super Critical TPS	227.15000	40.00%	28.00%	32.00%		90.86000	63.60200	72.68800	
13	Kalisindh TPP	2,797.76941	40.00%	28.00%	32.00%		1119.10776	783.37543	895.28621	
	<b>RVUN Total</b>	<b>21,900.63719</b>	<b>40.00%</b>	<b>28.00%</b>	<b>32.00%</b>		<b>8,760.25488</b>	<b>6,132.17841</b>	<b>7,908.20390</b>	
C2.	<b>Other Thermal Generating Stations in Rajasthan</b>									
1	RAJWEST	5,386.34000	40.00%	28.00%	32.00%		2154.53600	1508.17520	1723.62880	
2	Adani power at Kawai	2,873.41000	40.00%	28.00%	32.00%		1,149.36	804.55	919.49	
3	Barsingar	590.05680	40.00%	28.00%	32.00%		236.02	165.22	188.82	
4	V.S. Lignite	(4.20800)	40.00%	28.00%	32.00%		-1.68320	-1.17824	-1.34656	
	<b>Total (Other thermal Generators IPP)</b>	<b>8,845.59880</b>	<b>40.00%</b>	<b>28.00%</b>	<b>32.00%</b>		<b>3,538.23952</b>	<b>2,476.76766</b>	<b>2,830.59162</b>	
D.	<b>Wind farm , Bio-Mass and Solar Generators</b>									
1	Wind farm injection at 220 /132/ 33 kV	5,443.43000	28.41%	21.72%	49.87%		1,546.54000	1,182.43000	2,714.46000	
2	Bio-Mass	286.68000	40.00%	28.00%	32.00%		114.67200	80.27040	91.73760	
3	Solar Power Plant (SPV & solar thermal)	3,523.62000	35.94%	25.21%	38.85%		1,266.50000	888.36000	1,368.76000	
	WBA energy against Wind Farms	-	#DIV/0!	#DIV/0!	#DIV/0!		-	-	-	
	<b>Total Renewable energy</b>	<b>9,253.73000</b>	<b>31.64%</b>	<b>23.25%</b>	<b>45.12%</b>		<b>2,927.71200</b>	<b>2,151.06040</b>	<b>4,174.95760</b>	
E.	<b>CPPs</b>									
1	Binani	-	0.00%	0.00%	100.00%		-	-	0.00000	
2	Aditya Cement (i.e. Grasim Industries)	4.13690	0.00%	100.00%	0.00%		-	4.13690	-	
4	J.K. Laksmi cement	11.03230	0.00%	0.00%	100.00%		-	-	11.03230	
5	HZL	3.63327	0.00%	100.00%	0.00%		-	3.63327	-	
7	BIRLA WHITE CEMENT	0.17580	0.00%	0.00%	100.00%		-	-	0.17580	
8	Shree Cement Ltd.	8.35240	100.00%	0.00%	0.00%		8.35240	-	-	
9	Grasim cement . Kotputli (TCC - Jaipur Rural)	-	0.00%	100.00%	0.00%		-	-	-	
10	CCW, Chittorgarh	0.92520	0.00%	100.00%	0.00%		-	0.92520	-	
11	M/s Ginni Global ltd., Neemrana	-	0.00%	100.00%	0.00%		-	-	-	
12	J.K. Cement , Nimbahara	0.47048	0.00%	100.00%	0.00%		-	0.47048	-	
13	J.K. white Cement . Gotan	0.18800	0.00%	100.00%	0.00%		-	0.18800	-	
14	RSWM Ltd	0.07620	0.00%	100.00%	0.00%		-	0.07620	-	
15	Wonder cement , Nimbahara	0.05170	0.00%	100.00%	0.00%		-	0.05170	-	
	Sidhidata cement (Nirma ) at Nimbol (at 132 kv Borunda)	-	-	-	-		-	-	-	
20	(TCC - Kakani)	52.56400	0.00%	0.00%	100.00%		-	-	52.56400	
	<b>CPP Total</b>	<b>81.60625</b>	<b>10.24%</b>	<b>11.62%</b>	<b>78.15%</b>		<b>8.35240</b>	<b>9.48175</b>	<b>63.77210</b>	
F.	<b>Intra state Open Access by CPP</b>									
1	RSWM Industries	86.20093	0.00%	100.00%	0.00%		-	86.20093	-	
2	Hindustan Zinc Limited (HZL)	530.16787	0.00%	100.00%	0.00%		-	530.16787	-	
3	Shree Cement Limited(Kushkhara)	80.16801	100.00%	0.00%	0.00%		80.16801	-	-	
4	Shri Cement Ltd (Suratgarh)	15.44299	0.00%	0.00%	100.00%		-	-	15.44299	
5	Shri Cement Ltd (Jobner)	40.87112	100.00%	0.00%	0.00%		40.87112	-	-	
6	Shree Cement Ltd.to Lafarge cement	31.67260	0.00%	100.00%	0.00%		-	31.67260	-	
	<b>Total Intra state Open Access by CPP</b>	<b>784.52352</b>	<b>15.43%</b>	<b>82.60%</b>	<b>1.97%</b>		<b>121.03913</b>	<b>648.04140</b>	<b>15.44299</b>	
G.	<b>Sale to IEX by CPP</b>									
1	Shri Cement Ltd	13.01768	40.00%	28.00%	32.00%		5.20707	3.64495	4.16566	
2	Hindustan Zinc Limited (HZL)	-	40.00%	28.00%	32.00%		-	-	-	
	<b>Total Intra state Open Access by CPP</b>	<b>13.01768</b>	<b>40.00%</b>	<b>28.00%</b>	<b>32.00%</b>		<b>5.20707</b>	<b>3.64495</b>	<b>4.16566</b>	
	<b>Total Within State Purchase (A to G)</b>	<b>41,367.99344</b>	<b>37.60%</b>	<b>27.94%</b>	<b>34.46%</b>		<b>15,556.35700</b>	<b>11,558.06098</b>	<b>14,253.57546</b>	
	Purchase from Central Station as per ISGS Lines	18,226.31013	40.00%	28.00%	32.00%		7,290.52405	5,103.36684	5,832.41924	
	<b>TOTAL ENERGY AVAILED BY RAJASTHAN (LU)</b>	<b>59,594.30357</b>	<b>38.34%</b>	<b>27.96%</b>	<b>33.70%</b>		<b>22,846.88105</b>	<b>16,661.42781</b>	<b>20,085.99471</b>	

TRANSMISSION LOSS		Within State									
Loss (%)		3.14%									
Loss (LU)		1870.73247									
Net Flow within State Transmission System		59,594.30357									
<b>NET AVAILABILITY TO DISCOMS (LU)</b>		<b>57,723.57110</b>	<b>38.34%</b>	<b>27.96%</b>	<b>33.70%</b>		<b>22,129.692</b>	<b>16,138.407</b>	<b>19,455.473</b>		
<b>DISCOMS - ACTUAL DRAWAL</b>				<b>Discomwise Drawal (%)</b>		<b>Discomwise Energy (LU)</b>					
<b>ENERGY DRAWAL (LU)</b>		<b>TOTAL</b>		<b>Jaipur</b>	<b>Ajmer</b>	<b>Jodhpur</b>	<b>Railway</b>	<b>Jaipur</b>	<b>Ajmer</b>	<b>Jodhpur</b>	<b>Railway</b>
Gross actual drawl by discom		57723.57110	41.67%	29.77%	28.01%	0.55%	24055.13844	17183.06775	16166.79165	318.57326	
Aux Consumption		-26.67232	40.61%	28.73%	30.66%		-10.83074	-7.66284	-8.17874		
Direct Wind Farm injection at 33 kV		-	0.00%	0.00%	0.00%		-	-	-		
		<b>Net Actual Drawal (LU)</b>	<b>57,696.89878</b>	<b>41.67%</b>	<b>29.77%</b>	<b>28.01%</b>	<b>0.55%</b>	<b>24,044.30770</b>	<b>17,175.40491</b>	<b>16,158.61291</b>	<b>318.57326</b>
Purchase(+)/ Sale(-)		0.00000					1925.44678	1044.66097	-3288.68101	318.57326	

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## Statement of Deviation implication for the month of April 18

Day	Week	Rajasthan Schedule (LUs)	Rajasthan Drawal (LUs)	Deviation Energy (LUs)
1-Apr	1	486.40647	507.67916	21.27269
2-Apr	2	458.59104	461.26075	2.66971
3-Apr	2	457.63926	444.29997	-13.33929
4-Apr	2	416.41957	426.52406	10.10449
5-Apr	2	441.47608	436.01175	-5.46433
6-Apr	2	480.84530	501.90332	21.05802
7-Apr	2	602.13905	636.78604	34.64699
8-Apr	2	606.04963	634.79964	28.75001
9-Apr	3	602.62732	616.24363	13.61631
10-Apr	3	573.37458	576.11263	2.73805
11-Apr	3	572.56342	560.85234	-11.71108
12-Apr	3	637.13390	636.67880	-0.45510
13-Apr	3	567.84969	569.15430	1.30461
14-Apr	3	569.24656	587.06121	17.81465
15-Apr	3	582.35327	590.24368	7.89041
16-Apr	4	598.54630	623.58957	25.04327
17-Apr	4	666.59627	729.82845	63.23218
18-Apr	4	733.94172	793.87589	59.93417
19-Apr	4	791.26892	797.75858	6.48966
20-Apr	4	480.28396	491.81792	11.53396
21-Apr	4	658.53367	671.61168	13.07801
22-Apr	4	604.45129	623.18231	18.73102
23-Apr	5	624.72358	649.60308	24.87950
24-Apr	5	612.03265	638.37634	26.34369
25-Apr	5	550.47730	587.16199	36.68469
26-Apr	5	624.73611	706.36676	81.63065
27-Apr	5	652.49703	667.35772	14.86069
28-Apr	5	720.16169	756.76432	36.60263
29-Apr	5	659.25105	690.77097	31.51992
30-Apr	6	602.22849	612.63327	10.40478
				0.00000
<b>Total</b>		<b>17634.44517</b>	<b>18226.31013</b>	<b>591.86496</b>
<b>WEEKWISE BREAKUP</b>				
Week 1		486.40647	507.67916	21.27269
Week 2		3463.15993	3541.58553	78.42560
Week 3		4105.14874	4136.34659	31.19785
Week 4		4533.62213	4731.66440	198.04227
Week 5		4443.87941	4696.40118	252.52177
Week 6		602.22849	612.63327	10.40478
<b>TOTAL</b>		<b>17634.44517</b>	<b>18226.31013</b>	<b>591.86496</b>
<b>OUTSIDE STATE LOSS</b>				

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