

**MONTHLY REPORT ON
SHORT-TERM TRANSACTIONS OF ELECTRICITY
(September 2008)**

Introduction

A Market Monitoring Cell (MMC) was set up in CERC in August 2008. As advised by the Steering Committee of MMC, the first MONTHLY REPORT ON SHORT-TERM TRANSACTIONS OF ELECTRICITY i.e. for the month of August 2008 was prepared and posted on the website of CERC. This is the report for the month of September 2008. The objective of the report is to bring out trends in volume and price of the short-term transactions of electricity in India. The report is mainly based on the data collected from trading licensees, Power Exchange i.e. IEX and NLDC as per the formats prescribed by MMC. The same has been analysed as below: -

I: Volume of Short-term Transactions of Electricity

During the Month of September 2008, total electricity generation excluding generation from renewables and captive power plants in India was 59019.14 MUs. (Table-1).

Of the total electricity generation, 4138.67 MUs (7.01%) transacted through short-term i.e. 1970.45 MUs (3.34%) through Bilateral (through traders and direct between distribution companies), followed by 1889.68 MUs (3.20%) through UI and 278.54 MUs (0.47%) through Power Exchange (Table-1).

Of the total short-term transactions, Bilateral constitute 47.61% (38.77% through traders and 8.84% direct between distribution companies) followed by 45.66% through UI and 6.73% through Power Exchange (Table-1).

II: Price of Short-term Transactions of Electricity

(1) Price of electricity transacted through Traders: Weighted average sale price has been computed for the electricity transacted through traders and it was Rs.7.17. The weighted average sale price also computed for the transactions during Round the clock, Peak and Off-Peak periods separately and the sale price was Rs.7.27, Rs.6.60 and Rs.6.90 respectively. Minimum and Maximum sale price was Rs.2.44 and Rs.13.19 respectively (Table-2 and 3).

(2) Price of electricity transacted Through Power Exchange: The volume of total Buy bids and Sale bids was 800.05 MUs and 488.46MUs respectively. The gap between the volume of Buy bids and Sale bids shows that there was more demand for electricity and it was nearly

double the supply offered through the Power Exchange. Market Clearing Volume was 278.56 MUs and its weighted average price was Rs.7.95. Minimum and Maximum price was Rs.2.34 and Rs.11.00 respectively (Table-4).

(3) Price of electricity transacted Through UI: All-India UI price has been computed for NEW Grid and SR Grid separately. The average UI price was lower in the NEW Grid (Rs.6.50) when compared with the average UI price in the SR Grid (Rs.7.87). Minimum and Maximum price of UI was Rs.0.48 and Rs.10.00 respectively in the New Grid and Rs.0.08 and Rs.10.00 respectively in the SR Grid (Table-5).

III: Volume of Short-term Transactions of Electricity (State-Wise):

Of the total bilateral transactions, top 5 states selling 60% of the volume are HP, MP, WB, Chattisgarh and Sikkim and top 5 states purchasing 73% of the volume are Punjab, UP, Maharashtra, Gujarat and Haryana (Table-6 & 7).

Of the total Power Exchange transactions, top 5 states selling 75% of the volume are Chattisgarh (Jindal Power Ltd), WB, MP, Rajasthan and HP and top 5 states purchasing 99% of the volume are Maharashtra, Haryana, TN, Kerala and AP (Table-8 & 9).

Of the total UI transactions, top 5 states exporting 35% of the volume are AP, Maharashtra, DVC, Chattisgarh and Gujarat and top 5 states importing 46% of the volume are TN, UP, Karnataka, Gujarat and Punjab (Table-10 & 11).

State-wise total net short-term transactions of electricity i.e. net transactions through bilateral, power exchange and UI can be seen from Table-12. There are 15 States/UTs purchasing of electricity and 20 States/UTs selling of electricity through bilateral, power exchange and UI.

IV: Key findings/Observations:

- The percentage of short-term transactions of electricity (i.e. transactions through bilateral, Power Exchange and UI) to total electricity generation was 7.01%.
- The Sale price of electricity transacted through traders is comparable with the price of electricity transacted through Power Exchange and UI (which is to be expected and is normal) and it is between Rs.7.00- Rs.8.00 per kWh, which is indicative of wide-spread shortage of electricity.

- There was big gap between the volume of total Sale bids and Buy bids placed through Power Exchange. The gap shows that there was more demand for electricity and it was nearly double the supply offered through Power Exchange.

VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA) (MUs)					Total Electricity Generation (MUs) as given at CEA Website*
Month: September 2008					
Date	Bilateral		Power Exchange (Market Clearing Volume)	Unscheduled Interchange (Over Draw+Under Generation)	
	Through Traders	Direct			
1	55.783	12.923	11.232	54.194	1985.97
2	48.583	15.023	8.199	43.205	2015.77
3	48.757	16.395	7.219	51.598	2016.47
4	51.272	17.282	8.229	52.538	2037.20
5	54.235	17.479	8.324	64.196	2035.60
6	57.420	18.887	10.676	83.007	2031.56
7	59.307	16.094	11.821	62.666	1939.22
8	52.518	18.051	10.931	49.842	1960.54
9	49.734	16.539	9.957	48.120	1940.16
10	50.063	17.359	7.478	47.760	1974.74
11	48.537	19.033	8.254	51.958	1958.24
12	52.318	15.723	9.168	58.662	1963.12
13	55.080	17.985	9.491	67.686	1948.47
14	56.232	14.202	12.299	77.174	1921.50
15	52.570	18.308	6.955	67.024	1943.93
16	54.613	10.676	7.728	70.198	1942.68
17	57.854	9.476	9.804	87.216	1894.01
18	57.822	8.326	12.130	75.332	1889.55
19	55.106	7.989	12.207	83.567	1879.47
20	56.373	8.452	11.025	78.026	1884.23
21	55.251	6.412	8.515	79.992	1874.56
22	54.419	6.472	8.437	71.918	1926.58
23	56.193	7.628	9.271	67.521	1944.50
24	53.206	5.096	7.853	62.647	1975.85
25	57.188	5.763	7.437	60.059	2008.54
26	55.815	4.796	7.998	61.943	2021.92
27	55.153	5.008	8.434	53.963	2015.40
28	56.958	5.784	6.649	60.927	2008.24
29	43.064	11.507	10.897	54.081	2025.69
30	42.978	11.369	9.929	42.661	2055.43
Total	1604.40	366.04	278.54	1889.68	59019.14

Source: NLDC

* Gross Electricity Generation excluding electricity generation from renewables and captive power plants

PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (Rs/KWh)												
Month: September 2008												
Market Segment	Bilateral Transactions through Traders			Power Exchange			Under Drawl/Over Draw from the Grid (UI)					
	Date	RTC	Peak	Off Peak, A&W and Others	Minimum MCP	Maximum MCP	Weighted Average**	NEW Grid			SR Grid	
Weighted Average Price*			Minimum Price	Maximum Price				Average Price***	Minimum Price	Maximum Price	Average Price***	
01/09/08				8.69	9.70	9.39	3.52	10.00	9.19	3.70	10.00	9.01
02/09/08				8.69	10.05	9.41	5.68	10.00	9.55	3.34	10.00	9.64
03/09/08				7.68	10.05	9.18	2.48	10.00	9.10	3.34	10.00	9.64
04/09/08				8.56	10.10	9.11	5.32	10.00	9.10	6.22	10.00	9.64
05/09/08				7.10	10.11	9.14	1.68	10.00	7.66	5.68	10.00	8.83
06/09/08				8.59	10.15	9.50	0.80	9.46	4.78	2.40	9.64	7.21
07/09/08				6.43	9.50	7.23	2.56	10.00	6.76	0.08	10.00	7.48
08/09/08				6.85	10.16	8.63	6.04	10.00	9.28	4.06	10.00	7.93
09/09/08				6.97	10.20	9.03	6.76	10.00	9.55	3.34	10.00	7.57
10/09/08				4.00	10.30	8.93	6.04	10.00	9.28	2.40	10.00	7.93
11/09/08				5.25	10.40	8.69	2.98	10.00	8.20	2.64	10.00	6.85
12/09/08				5.00	10.65	8.76	2.32	9.82	7.39	2.48	9.82	5.68
13/09/08				4.85	10.30	8.27	1.76	10.00	7.39	2.40	10.00	7.21
14/09/08				3.03	7.00	5.53	0.48	9.10	4.42	0.88	9.10	4.69
15/09/08				6.08	10.60	9.04	1.12	9.82	5.32	2.24	10.00	6.67
16/09/08				5.00	10.65	8.81	2.08	10.00	6.13	1.68	10.00	7.93
17/09/08				7.30	11.00	9.04	1.36	7.66	3.34	2.56	9.82	6.40
18/09/08				7.20	11.00	8.72	1.36	8.74	3.70	2.72	10.00	7.84
19/09/08				6.00	11.00	8.12	1.12	8.20	2.80	3.16	10.00	7.93
20/09/08				5.25	10.00	7.52	0.80	10.00	2.80	1.68	9.82	6.85
21/09/08				3.00	7.00	5.30	1.04	6.40	2.48	1.12	9.10	6.58
22/09/08				3.00	9.00	6.56	1.28	9.28	3.88	1.92	10.00	7.30
23/09/08				3.50	9.10	6.62	0.88	10.00	3.97	2.56	10.00	7.75
24/09/08				2.49	9.50	7.52	1.92	10.00	5.14	3.88	10.00	8.02
25/09/08				2.34	9.50	7.29	2.16	10.00	5.59	4.24	10.00	8.11
26/09/08				2.35	9.50	7.09	1.92	9.28	5.50	3.70	10.00	8.20
27/09/08				3.00	9.50	6.73	2.80	10.00	7.12	3.88	10.00	9.28
28/09/08				2.47	7.50	5.11	2.24	10.00	6.40	2.64	10.00	8.65
29/09/08				2.35	9.50	6.98	6.58	10.00	9.37	6.22	10.00	9.55
30/09/08				3.99	9.50	7.25	7.84	10.00	9.73	6.22	10.00	9.82
	7.27	6.60	6.90	2.34#	11.00#	7.95	0.48#	10.00#	6.50	0.08#	10.00#	7.87

Source: Information submitted by Trading Licensees, Power exchange and NLDC respectively for Price of Bilateral Transactions, Power Exchange and UI.

* Weighted Average Sale Price computed based on the information submitted by trading licensees i.e. the volume traded by trading licensees (excluding the volume traded through banking arrangement) and its price.

** Weighted average price computed based on Market Clearing Volume (MCV) and Market Clearing Price (MCP) for each hour of the day

*** Simple average price of UI of 96 time blocks of 15 minutes each in a day

Maximum/Minimum in the month

VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (STATE-WISE) (MUs)										
Month: September 2008										
Name of the State/UT/Regional Entity	Through Bilateral			Through Power Exchange			Through UI with Regional Grid			Total Net**
	Sale	Purchase	Net*	Sale	Purchase	Net*	Export (Under Draw)	Import (Over Draw)	Net*	
Punjab	17.55	589.49	571.94	3.30	0.00	-3.30	94.05	101.88	7.83	576.47
Haryana	29.78	148.97	119.19	5.62	66.66	61.04	73.85	79.33	5.49	185.72
Rajasthan	40.27	59.84	19.57	29.92	0.00	-29.92	58.60	100.05	41.46	31.10
Delhi	26.33	134.18	107.85	1.44	1.26	-0.18	81.29	77.71	-3.58	104.10
Uttar Pradesh	1.94	273.69	271.74	0.00	0.00	0.00	78.13	209.76	131.62	403.37
Uttarakhand	50.65	0.00	-50.65	0.00	0.00	0.00	76.90	13.47	-63.43	-114.08
Himachal Pradesh	427.38	13.59	413.79	20.58	0.00	-20.58	44.18	22.77	-21.42	-455.78
J & K	22.50	0.00	-22.50	0.00	0.00	0.00	20.15	59.78	39.64	17.14
UT Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	13.14	9.98	-3.16	-3.16
MP	166.45	58.21	108.25	30.98	2.14	-28.83	46.89	73.12	26.24	-110.84
Maharashtra	29.59	258.34	228.75	2.68	121.90	119.21	105.05	80.43	-24.61	323.35
Gujarat	9.41	158.76	149.35	10.46	0.00	-10.46	97.54	106.70	9.16	148.05
Chattisgarh***	128.19	14.40	113.79	86.39	0.00	-86.39	98.56	20.42	-78.14	-278.32
Daman and Diu	0.00	0.00	0.00	0.00	0.00	0.00	1.10	14.53	13.44	13.44
Dadra & Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.83	63.54	62.70	62.70
Andhra Pradesh	24.20	135.54	111.34	14.91	21.93	7.02	129.73	80.63	-49.10	69.27
Karnataka	28.53	0.00	-28.53	6.99	0.00	-6.99	27.79	148.72	120.93	85.40
Kerala	51.23	18.74	-32.50	0.00	32.16	32.16	3.37	94.32	90.95	90.61
Tamilnadu	59.48	82.04	22.55	0.00	32.51	32.51	48.42	234.23	185.81	240.87
Pondicherry	0.00	0.00	0.00	0.00	0.00	0.00	2.41	10.74	8.33	8.33
Goa	0.00	0.00	0.00	0.00	0.00	0.00	33.33	5.70	-27.63	-27.63
West Bengal	133.01	16.10	116.91	39.90	0.00	-39.90	91.84	22.48	-69.36	-226.17
Orissa	30.26	0.00	-30.26	6.66	0.00	-6.66	43.30	16.93	-26.37	-63.29
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	23.15	19.47	-3.68	-3.68
Jharkhand	0.00	0.00	0.00	0.00	0.00	0.00	29.47	7.38	-22.09	-22.09
Sikkim	60.01	7.20	-52.81	0.00	0.00	0.00	7.99	1.06	-6.93	-59.74
DVC	50.50	1.37	-49.14	0.00	0.00	0.00	104.96	18.96	-86.00	-135.14
Arunachal Pradesh	39.55	0.00	-39.55	0.00	0.00	0.00	3.25	10.98	7.73	-31.82
Assam	35.64	0.00	-35.64	4.32	0.00	-4.32	52.87	5.13	-47.74	-87.70
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	16.53	0.56	-15.97	-15.97
Meghalaya	7.20	0.00	-7.20	0.00	0.00	0.00	12.74	1.85	-10.90	-18.10
Mizoram	0.00	0.00	0.00	10.25	0.00	-10.25	6.33	1.65	-4.68	-14.93
Nagaland	32.70	0.00	-32.70	0.00	0.00	0.00	0.24	9.06	8.82	-23.88
Tripura	35.34	0.00	-35.34	4.14	0.00	-4.14	3.18	4.78	1.60	-37.88

* (-) indicates sale and (+) indicates purchase

** Total net includes net of transactions through bilateral, power exchange and UI

*** Volume of sale through Power Exchange represents Jindal Power Ltd

Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF POWER (ALL INDIA)				
Sr.No	Short-term transactions	Volume (MUs)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	1970.45	47.61%	3.34%
	(i) Through Traders	1604.40	38.77%	2.72%
	(ii) Direct	366.04	8.84%	0.62%
2	Through Power Exchange	278.54	6.73%	0.47%
3	Through UI	1889.68	45.66%	3.20%
	Total	4138.67	100.00%	7.01%
	Total Generation	59019.14		

Source: NLDC

Table-2: PRICE OF POWER TRANSACTED THROUGH TRADERS		
Sr.No	Period of Trade	Weighted Average Sale Price (Rs)
1	RTC	7.27
2	PEAK	6.60
3	OFF PEAK	6.90
	Total	7.17

Source: Information submitted by trading licensees

Table-3: PRICE OF POWER TRANSACTED THROUGH TRADERS		
Sr.No		Sale Price (Rs)
1	Minimum	2.44
2	Maximum	13.19
3	Weighted Average	7.17

Source: Information submitted by trading licensees

Table-4: PRICE OF POWER TRANSACTED THROUGH POWER EXCHANGE		
Sr.No	MCP	Rs/KWh
1	Minimum	2.34
2	Maximum	11.00
3	Weighted Average	7.95

Source: Information submitted by PX (IEX)

Table-5: PRICE OF POWER TRANSACTED THROUGH UI (Rs/kWh)			
Sr.No		NEW Grid	SR Grid
1	Minimum	0.48	0.08
2	Maximum	10.00	10.00
3	Average	6.50	7.87

Source: NLDC

Table-6: VOLUME OF ELECTRICITY SALE BY STATES THROUGH BILATERAL		
Name of the State/UT/Regional Entity	Volume of Sale (MUs)	% of Volume
Himachal Pradesh	427.38	28%
MP	166.45	11%
West Bengal	133.01	9%
Chattisgarh	128.19	8%
Sikkim	60.01	4%
Tamilnadu	59.48	4%
Kerala	51.23	3%
Uttarakhand	50.65	3%
DVC	50.50	3%
Rajasthan	40.27	3%
Arunachal Pradesh	39.55	3%
Assam	35.64	2%
Tripura	35.34	2%
Nagaland	32.70	2%
Orissa	30.26	2%
Haryana	29.78	2%
Maharashtra	29.59	2%
Karnataka	28.53	2%
Delhi	26.33	2%
Andhra Pradesh	24.20	2%
J & K	22.50	1%
Punjab	17.55	1%
Gujarat	9.41	1%
Meghalaya	7.20	0%
Uttar Pradesh	1.94	0%
UT Chandigarh	0.00	0%
Daman and Diu	0.00	0%
Dadra & Nagar Haveli	0.00	0%
Pondicherry	0.00	0%
Goa	0.00	0%
Bihar	0.00	0%
Jharkhand	0.00	0%
Manipur	0.00	0%
Mizoram	0.00	0%
Total	1537.69	100%
Volume of sale by top 5 States	915.03	60%

Table-7: VOLUME OF ELECTRICITY PURCHASE BY STATES THROUGH BILATERAL		
Name of the State/UT/Regional Entity	Volume of Purchase (MUs)	% of Volume
Punjab	589.49	30%
Uttar Pradesh	273.69	14%
Maharashtra	258.34	13%
Gujarat	158.76	8%
Haryana	148.97	8%
Andhra Pradesh	135.54	7%
Delhi	134.18	7%
Tamilnadu	82.04	4%
Rajasthan	59.84	3%
MP	58.21	3%
Kerala	18.74	1%
West Bengal	16.10	1%
Chattisgarh	14.40	1%
Himachal Pradesh	13.59	1%
Sikkim	7.20	0%
DVC	1.37	0%
Uttarakhand	0.00	0%
J & K	0.00	0%
UT Chandigarh	0.00	0%
Daman and Diu	0.00	0%
Dadra & Nagar Haveli	0.00	0%
Karnataka	0.00	0%
Pondicherry	0.00	0%
Goa	0.00	0%
Orissa	0.00	0%
Bihar	0.00	0%
Jharkhand	0.00	0%
Arunachal Pradesh	0.00	0%
Assam	0.00	0%
Manipur	0.00	0%
Meghalaya	0.00	0%
Mizoram	0.00	0%
Nagaland	0.00	0%
Tripura	0.00	0%
Total	1970.45	100%
Volume of purchase by top 5 States	1429.24	73%

Table-8: VOLUME OF ELECTRICITY SALE BY STATES THROUGH POWER EXCHANGE		
Name of the State/UT/Regional Entity	Volume of Sale (MUs)	% of Volume
Chattisgarh (Jindal Power Ltd)	86.40	31%
West Bengal	39.90	14%
MP	30.98	11%
Rajasthan	29.92	11%
Himachal Pradesh	20.58	7%
Andhra Pradesh	14.91	5%
Gujarat	10.46	4%
Mizoram	10.25	4%
Karnataka	6.99	3%
Orissa	6.66	2%
Haryana	5.62	2%
Assam	4.32	2%
Tripura	4.14	1%
Punjab	3.30	1%
Maharashtra	2.68	1%
Delhi	1.44	1%
Uttar Pradesh	0.00	0%
Uttarakhand	0.00	0%
J & K	0.00	0%
UT Chandigarh	0.00	0%
Daman and Diu	0.00	0%
Dadra & Nagar Haveli	0.00	0%
Kerala	0.00	0%
Tamilnadu	0.00	0%
Pondicherry	0.00	0%
Goa	0.00	0%
Bihar	0.00	0%
Jharkhand	0.00	0%
Sikkim	0.00	0%
DVC	0.00	0%
Arunachal Pradesh	0.00	0%
Manipur	0.00	0%
Meghalaya	0.00	0%
Nagaland	0.00	0%
Total	278.55	100%
Volume of sale by top 5 States	207.78	75%

Table-9: VOLUME OF ELECTRICITY PURCHASE BY STATES THROUGH POWER EXCHANGE		
Name of the State/UT/Regional Entity	Volume of Purchase (MUs)	% of Volume
Maharashtra	121.90	44%
Haryana	66.66	24%
Tamilnadu	32.51	12%
Kerala	32.16	12%
Andhra Pradesh	21.93	8%
MP	2.14	1%
Delhi	1.26	0%
Punjab	0.00	0%
Rajasthan	0.00	0%
Uttar Pradesh	0.00	0%
Uttarakhand	0.00	0%
Himachal Pradesh	0.00	0%
J & K	0.00	0%
UT Chandigarh	0.00	0%
Gujarat	0.00	0%
Chattisgarh	0.00	0%
Daman and Diu	0.00	0%
Dadra & Nagar Haveli	0.00	0%
Karnataka	0.00	0%
Pondicherry	0.00	0%
Goa	0.00	0%
West Bengal	0.00	0%
Orissa	0.00	0%
Bihar	0.00	0%
Jharkhand	0.00	0%
Sikkim	0.00	0%
DVC	0.00	0%
Arunachal Pradesh	0.00	0%
Assam	0.00	0%
Manipur	0.00	0%
Meghalaya	0.00	0%
Mizoram	0.00	0%
Nagaland	0.00	0%
Tripura	0.00	0%
Total	278.56	100%
Volume of purchase by top 5 States	275.15	99%

Table-10: VOLUME OF ELECTRICITY EXPORT BY STATES THROUGH UI		
Name of the State/UT/Regional Entity	Volume of Export (MUs)	% of Volume
Andhra Pradesh	129.73	8%
Maharashtra	105.05	7%
DVC	104.96	7%
Chattisgarh	98.56	6%
Gujarat	97.54	6%
Punjab	94.05	6%
West Bengal	91.84	6%
Delhi	81.29	5%
Uttar Pradesh	78.13	5%
Uttarakhand	76.90	5%
Haryana	73.85	5%
Rajasthan	58.60	4%
Assam	52.87	3%
Tamilnadu	48.42	3%
MP	46.89	3%
Himachal Pradesh	44.18	3%
Orissa	43.30	3%
Goa	33.33	2%
Jharkhand	29.47	2%
Karnataka	27.79	2%
Bihar	23.15	2%
J & K	20.15	1%
Manipur	16.53	1%
UT Chandigarh	13.14	1%
Meghalaya	12.74	1%
Sikkim	7.99	1%
Mizoram	6.33	0%
Kerala	3.37	0%
Arunachal Pradesh	3.25	0%
Tripura	3.18	0%
Pondicherry	2.41	0%
Daman and Diu	1.10	0%
Dadra & Nagar Haveli	0.83	0%
Nagaland	0.24	0%
Total	1531.16	100%
Volume of Export by top 5 States	535.84	35%

Table-11: VOLUME OF ELECTRICITY IMPORT BY STATES THROUGH UI		
Name of the State/UT/Regional Entity	Volume of Import (MUs)	% of Volume
Tamilnadu	234.23	14%
Uttar Pradesh	209.76	12%
Karnataka	148.72	9%
Gujarat	106.70	6%
Punjab	101.88	6%
Rajasthan	100.05	6%
Kerala	94.32	5%
Andhra Pradesh	80.63	5%
Maharashtra	80.43	5%
Haryana	79.33	5%
Delhi	77.71	4%
MP	73.12	4%
Dadra & Nagar Haveli	63.54	4%
J & K	59.78	3%
Himachal Pradesh	22.77	1%
West Bengal	22.48	1%
Chattisgarh	20.42	1%
Bihar	19.47	1%
DVC	18.96	1%
Orissa	16.93	1%
Daman and Diu	14.53	1%
Uttarakhand	13.47	1%
Arunachal Pradesh	10.98	1%
Pondicherry	10.74	1%
UT Chandigarh	9.98	1%
Nagaland	9.06	1%
Jharkhand	7.38	0%
Goa	5.70	0%
Assam	5.13	0%
Tripura	4.78	0%
Meghalaya	1.85	0%
Mizoram	1.65	0%
Sikkim	1.06	0%
Manipur	0.56	0%
Total	1728.11	100%
Volume of Export by top 5 States	801.28	46%

Table-12: TOTAL NET SHORT-TERM TRANSACTIONS (STATE-WISE)

Sr.No	Name of the State/UT/Regional Entity	Total short-term transactions*
1	Punjab	576.47
2	Uttar Pradesh	403.37
3	Maharashtra	323.35
4	Tamilnadu	240.87
5	Haryana	185.72
6	Gujarat	148.05
7	Delhi	104.10
8	Kerala	90.61
9	Karnataka	85.40
10	Andhra Pradesh	69.27
11	Dadra & Nagar Haveli	62.70
12	Rajasthan	31.10
13	J & K	17.14
14	Daman and Diu	13.44
15	Pondicherry	8.33
16	UT Chandigarh	-3.16
17	Bihar	-3.68
18	Mizoram	-14.93
19	Manipur	-15.97
20	Meghalaya	-18.10
21	Jharkhand	-22.09
22	Nagaland	-23.88
23	Goa	-27.63
24	Arunachal Pradesh	-31.82
25	Tripura	-37.88
26	Sikkim	-59.74
27	Orissa	-63.29
28	Assam	-87.70
29	MP	-110.84
30	Uttarakhand	-114.08
31	DVC	-135.14
32	West Bengal	-226.17
33	Chattisgarh	-278.32
34	Himachal Pradesh	-455.78
	* (-) indicates sale and (+) indicates purchase	
	** Total short-term transactions includes net of transactions through bilateral, power exchange and UI	

