



.Kreate

Daily Power Market Report

Tuesday, July 20, 2021

Kreate Energy (I) Pvt. Ltd | Formerly known as Mittal Processors Pvt. Ltd
1002, 1004, Antriksh Bhawan, 22 KG Marg, New Delhi-110001 India

CONTENTS

Section-1 Analysis of DAM Power Transaction at Exchange

- 1.1 Average Price and Volume Comparison at IEX
- 1.2 Buy Bid, Sell Bid (MWh) and MCP (INR/MWh)
- 1.3 Weekly Y-o-Y Comparison w.r.t last year (In %)
- 1.4 Maximum, Minimum and Average Price Comparison w.r.t last year
- 1.5 MCP (Avg., Peak, Non-Peak, Morning, Night Hours)
- 1.6 Block Wise MCP Comparison w.r.t Previous Day and Last Year (Rs./MWh)
- 1.7 Region-Wise Top Buyer, Seller and Generator on Exchange

Section-2 Analysis of RTM Vs DAM Power Transaction at Exchange

- 2.1 MCP and its Comparison w.r.t. Previous Day
- 2.2 MCV and % change w.r.t. Previous Day and % of RTM w.r.t DAM of the Same Day
- 2.3 Buy & Sell Volume and its comparison w.r.t. Previous Day
- 2.4 RTM MCP (Avg., Peak, Non-Peak, Morning, Night Hours)
- 2.5 Block Wise MCP Comparison (Rs./MWh)
- 2.6 Region-Wise Top Buyer, Seller and Generator on Exchange

Section-3 DSM Price Comparison with IEX Price

Section-4 Power Supply Position of State

- 4.1 State Wise Maximum Demand Met & Time
- 4.2 State Wise Drawal Schedule, Actual Drawl and OD/UD (+)/(-)
- 4.3 Actual Scheduled in LTOA, MTOA, STOA and PXs
- 4.4 Region-Wise Top Seller* (IPP, SOLAR, NON-SOLAR)
- 4.5 State Wise Renewable Solar & Non-Solar Wind Generation* and % Change w.r.t Previous Day
- 4.6 Generating Outage Summary (In MW)

Section-5 Transmission Corridor Availability and Power Flow (Scheduled)

- 5.1 Inter-Regional
- 5.2 Cross Country Power Flow (Actual)

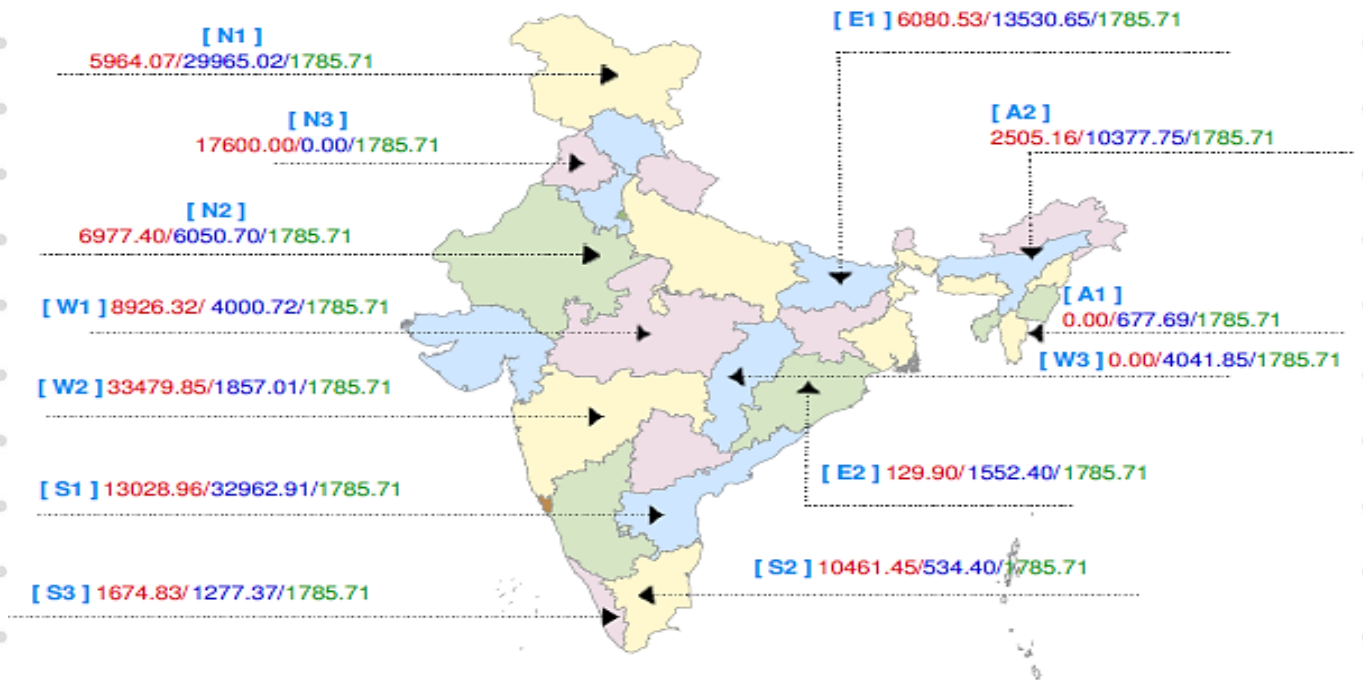
Section-6 Power Sector, Weather News, Industry and Regulation Update

- 6.1 Power Sector
- 6.2 Weather News

SECTION-1 ANALYSIS OF POWER TRANSECTION AT EXCHANGE

1.1 Average Price and Volume comparison at IEX

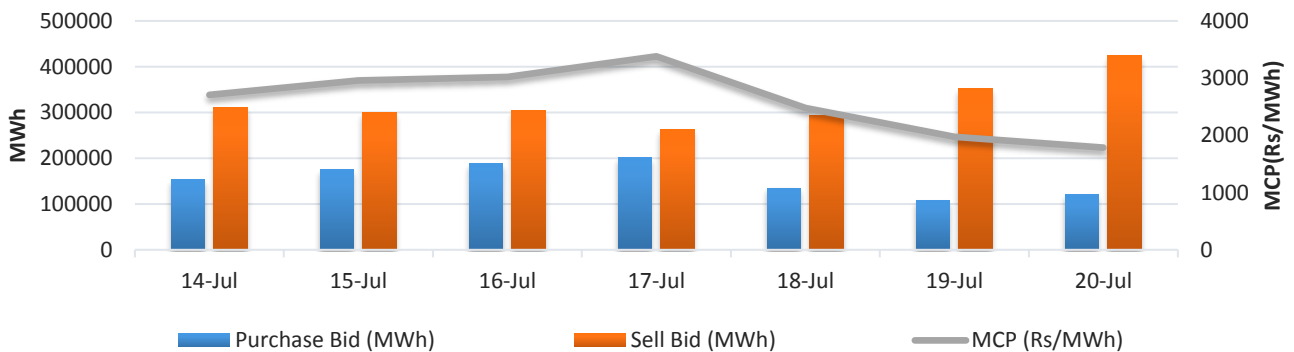
Buy Bid (MWh)/Sell Bid (MWh)/Avg.Price (INR/MWh)



NO Congestion has been reported by NLDC for DD 20.07.2021

1.2 Buy Bid, Sell Bid (MWh) and MCP (INR/MWh)

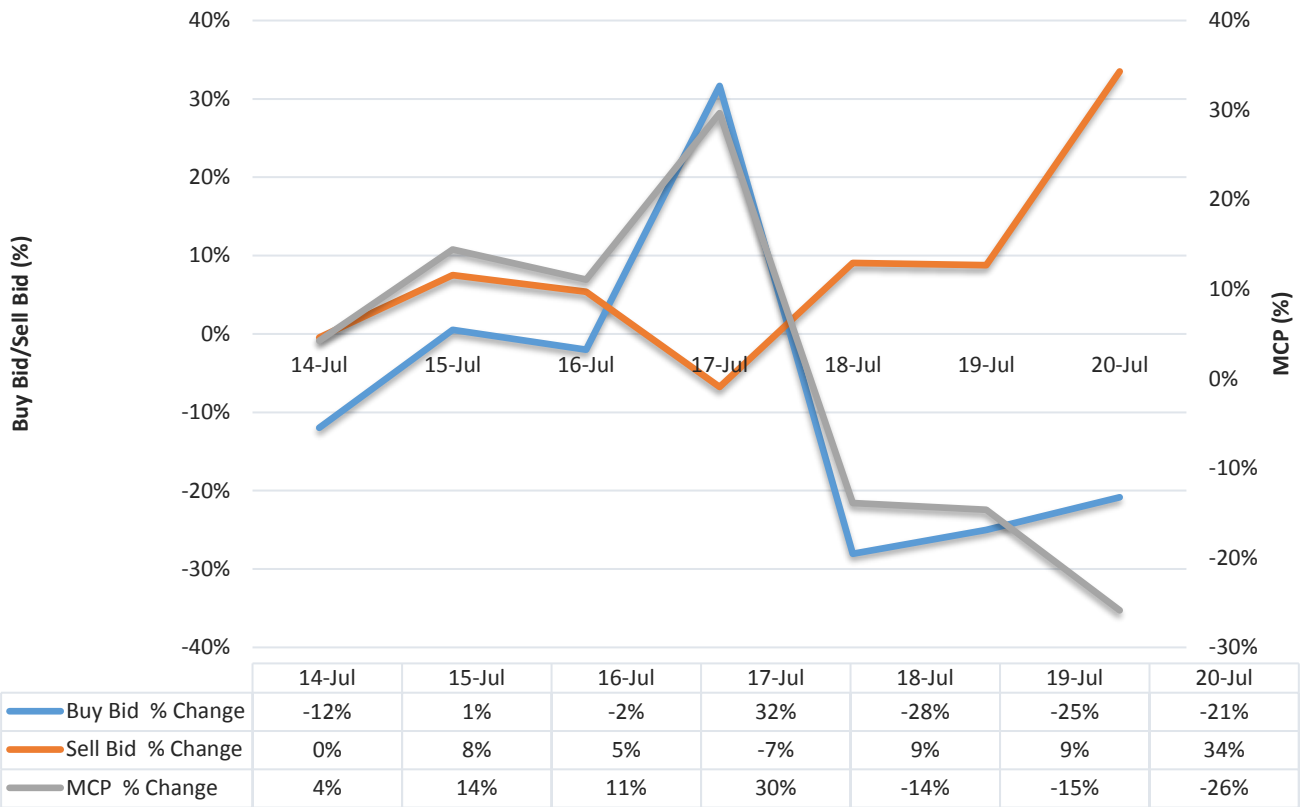
Weekly Buy/Sell bid Comparison w.r.t. MCP



MCP Rs/MWh	2707.01	2960.72	3022.32	3381.02	2480.03	1975.99	1785.71
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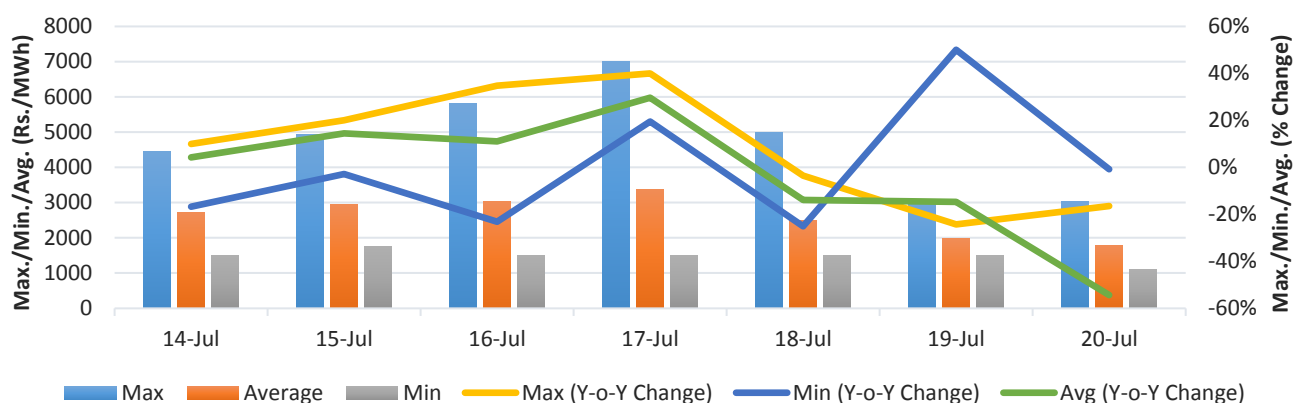
1.3 Weekly Y-o-Y comparison w.r.t last year (In %)

Y-o-Y % Change in Buy Bid Sell Bid and MCP



Date	Buy Bid (MWh)			Sell Bid (MWh)			MCP (Rs/MWh)		
	2021	2020	% Change	2021	2020	% Change	2021	2020	% Change
14-Jul	152655.7	173438.5	-12%	311264.5	312693.6	0%	2707.01	2596.83	4%
15-Jul	174516.6	173604.4	1%	298945.94	278051.6	8%	2960.72	2587.34	14%
16-Jul	188655.1	192546.1	-2%	303745.36	288233.7	5%	3022.32	2721.13	11%
17-Jul	202365.5	153709.5	32%	262644.82	281697.2	-7%	3381.02	2607.6	30%
18-Jul	134756.9	187294.1	-28%	292426.48	268079.2	9%	2480.03	2879.39	-14%
19-Jul	108725.6	144986.4	-25%	351573.28	323234.8	9%	1975.99	2314.97	-15%
20-Jul	119760.7	151325.5	-21%	424434.85	317926.7	34%	1785.71	2408.68	-26%
Average	154490.9	168129.2	-8%	320719.319	295702.4	8%	2616.11429	2587.991	1%

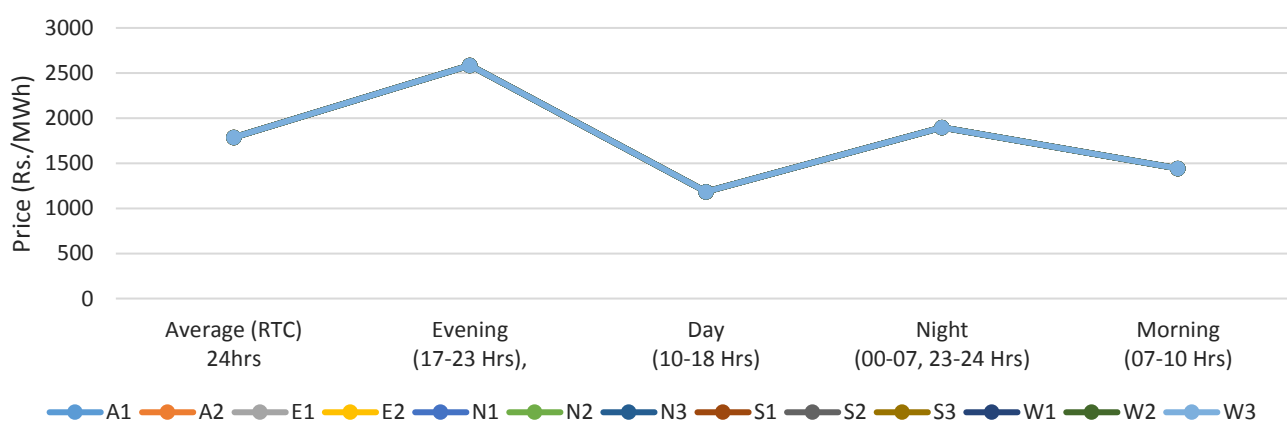
1.3 Maximum, Minimum and Average Price Comparison w.r.t last year



Max, %	4444.94 10	4929.62 20	5800.42 35	6999.80 40	4984.97 (4)	2999.14 (24)	3041.84 (16)
Avg, %	2707.01 4	2960.72 14	3022.32 11	3381.02 30	2480.03 (14)	1975.99 (15)	1785.71 (54)
Min, %	1499.41 (17)	1748.33 (3)	1499.76 (23)	1499.58 20	1499.16 (25)	1499.38 (50)	1099.20 (1)

*(/)= -ve

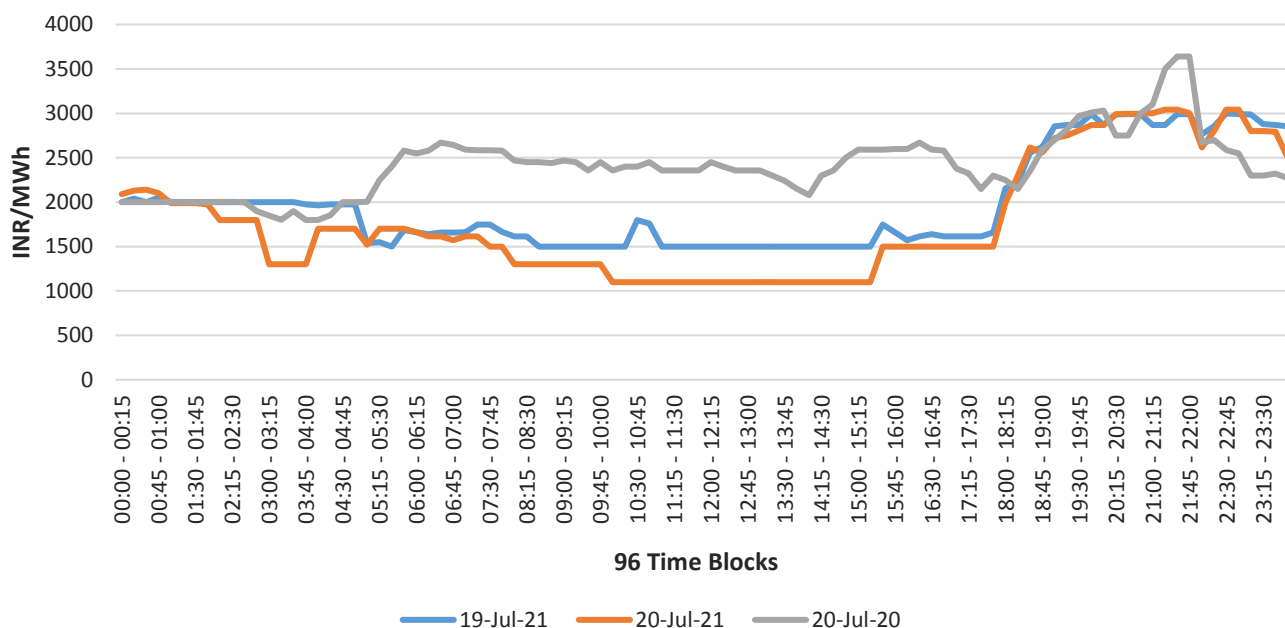
1.5. MCP Avg., Evening, Morning, Night Hours on 20-07-2021



Rs./MWh	1785.71	2585.15	1185.07	1896.95	1442.99
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* Value is same for all the Regions i.e. if there is any congestion the curve will be plotted w.r.t their coloured area line for more Refer to table.

1.6 Block Wise Price Comparison w.r.t Previous Day and Last Year (Rs./MWh)

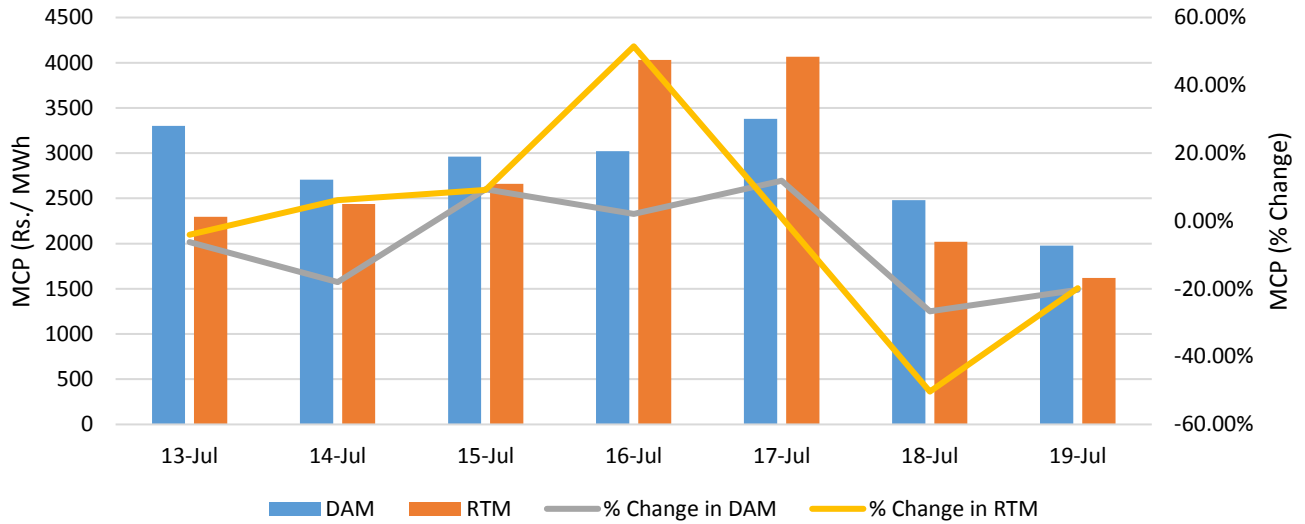


1.7 Region-Wise Top Buyer, Seller and Generator on Exchange

Region	20-Jul-21					
	UTILITY WISE				GENERATOR	
	Seller		Buyer			
	Name	MUs	Name	Mus	Name	MUs
NR	HP	13.65	PUNJAB	17.60	SAINJ	2.34
	JK&LADAKH	9.38	HARYANA	4.70	SINGOLI	2.24
	RAJASTHAN	2.42	UPPCL	2.47	ADHPL	1.90
WR	MPSEB	1.10	GEB	21.41	ESSARMPL	1.92
	GOA	0.70	MSEB	11.35	ACBIL	1.67
	MSEB	0.16	MPSEB	8.93	JPL	1.06
ER	ODISHA	0.66	BSPHCL	2.83	TEESTA III	7.25
	SIKKIM	0.31	WBSETCL	1.52	THEP	2.20
	JHARKHAND	0.01	JHARKHAND	0.20	JLHEP	2.13
SR	KPTCL	27.14	TNEB	10.46	SEIL P2	3.13
	TSTRANSCO	1.33	TSTRANSCO	6.52	SEIL	0.65
	KSEB	1.28	APTRANSCO	4.27	TALST 2	0.42
NER	ASSAM	2.64	ASSAM	2.43	KAMENG	6.00
	MEGHALAYA	1.14	MEGHALAYA	0.07	PALATANA GAS	0.53
	ARUNACHAL	0.60	-	-	-	-

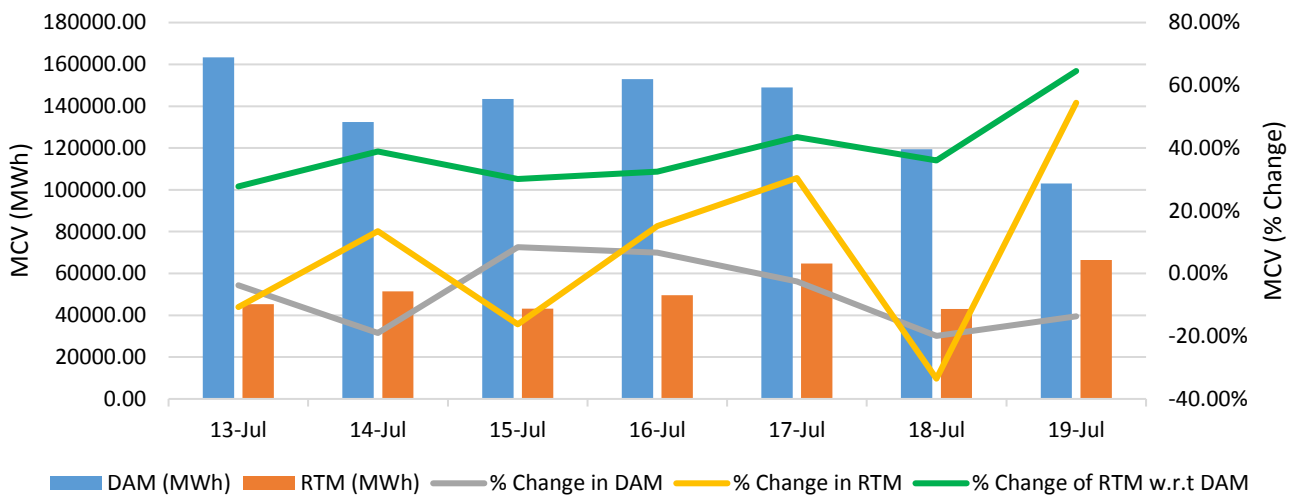
SECTION-2 ANALYSIS OF RTM Vs DAM POWER TRANSECTION AT EXCHANGE

2.1 MCP and its Comparison w.r.t. Previous Day



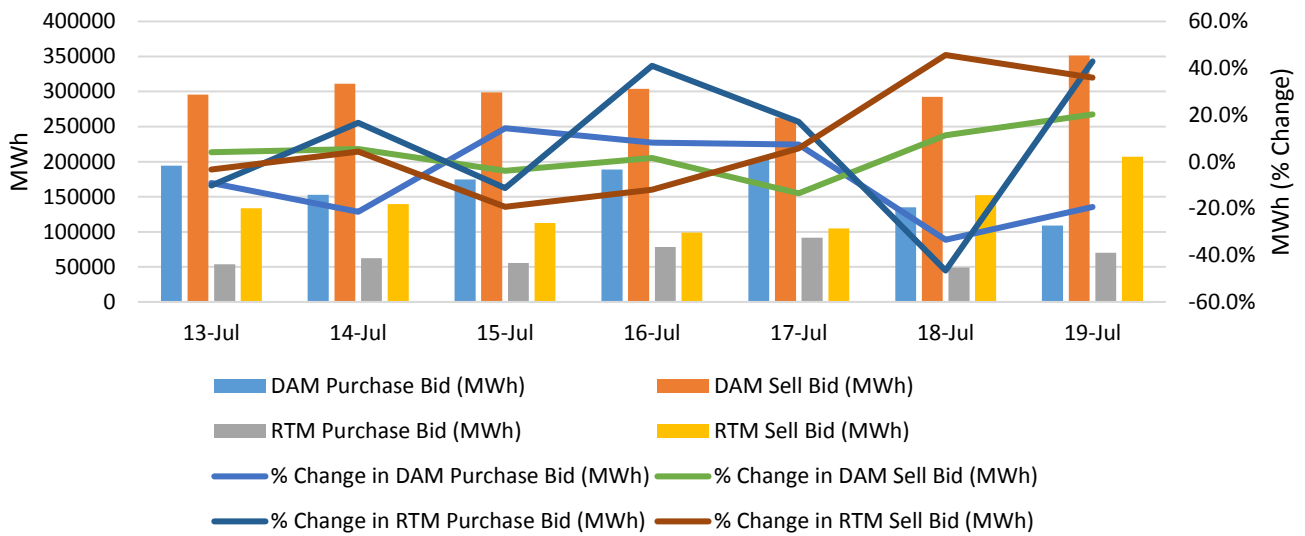
Date	DAM	RTM	% Change in DAM	% Change in RTM
13-Jul	3301.72	2297.04	-6.20%	-4.07%
14-Jul	2707.01	2437.3	-18.01%	6.11%
15-Jul	2960.72	2659.57	9.37%	9.12%
16-Jul	3022.32	4029.31	2.08%	51.50%
17-Jul	3381.02	4065.77	11.87%	0.90%
18-Jul	2480.03	2020.04	-26.65%	-50.32%
19-Jul	1975.99	1620.07	-20.32%	-19.80%
Average	2832.69	2732.73	-6.84%	-0.94%

2.2 MCV and % change w.r.t. Previous Day and % of RTM w.r.t DAM of the Same Day



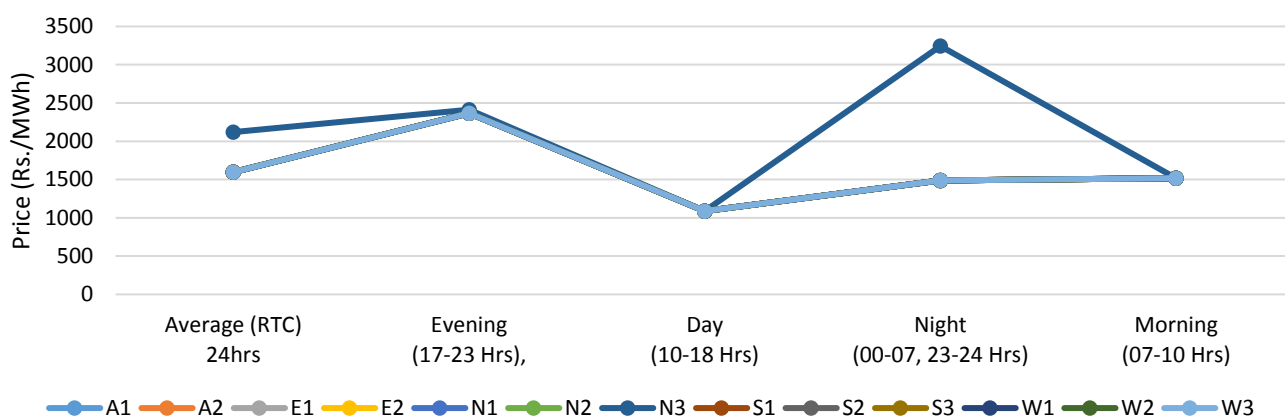
Date	DAM (MWh)	RTM (MWh)	% of DAM (Trend)
13-Jul	163437.45	45356.95	27.75%
14-Jul	132371.58	51478.18	38.89%
15-Jul	143479.19	43148.78	30.07%
16-Jul	152962.33	49660.45	32.47%
17-Jul	149034.41	64784.94	43.47%
18-Jul	119370.67	43057.29	36.07%
19-Jul	103003.32	66493.86	64.56%
Average	137665.56	51997.21	39.04%

2.3 Buy & Sell Volume and its comparison w.r.t. Previous Day



Date	DAM		RTM		% Change in DAM		% Change in RTM	
	Purchase Bid (MWh)	Sell Bid (MWh)	Purchase Bid (MWh)	Sell Bid (MWh)	Purchase Bid (MWh)	Sell Bid (MWh)	Purchase Bid (MWh)	Sell Bid (MWh)
13-Jul	194433.53	295441.90	53622.40	133765.80	-9.1%	4.11%	-10.19%	-3.38%
14-Jul	152655.7	311264.50	62553.03	139466.50	-21.5%	5.36%	16.65%	4.26%
15-Jul	174516.63	298945.94	55516.25	112552.45	14.3%	-3.96%	-11.25%	-19.30%
16-Jul	188655.09	303745.36	78284.63	99088.70	8.1%	1.61%	41.01%	-11.96%
17-Jul	202365.54	262644.82	91603.58	104715.93	7.3%	-13.53%	17.01%	5.68%
18-Jul	134756.85	292426.48	48938.53	152495.08	-33.4%	11.34%	-46.58%	45.63%
19-Jul	108725.56	351573.28	69929.88	207275.18	-19.3%	20.23%	42.89%	35.92%
Average	165158.41	302291.75	65778.33	135622.81	-7.65%	3.59%	7.08%	8.12%

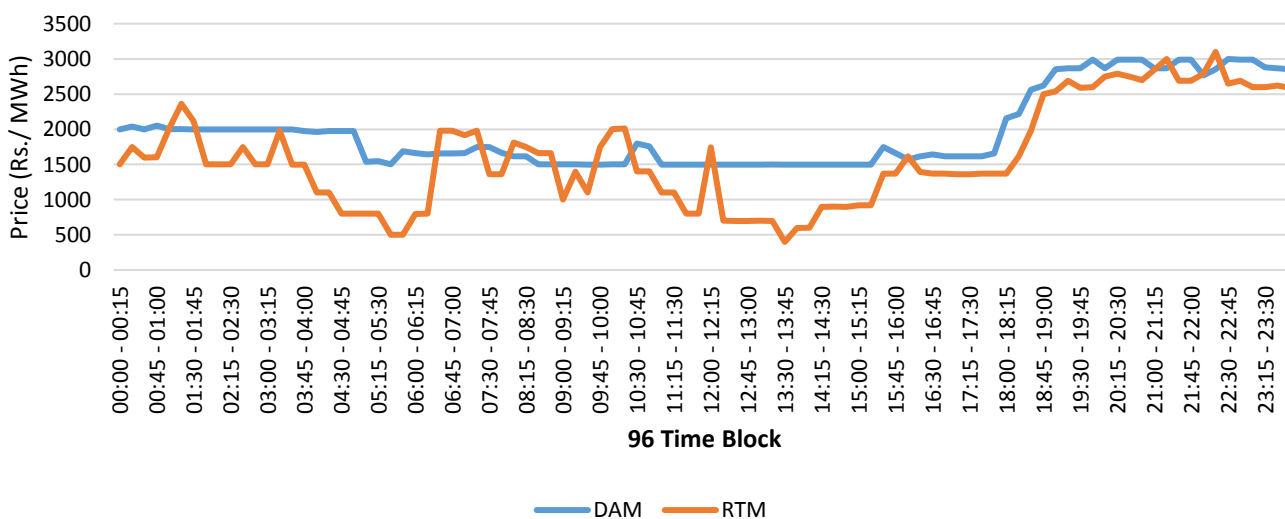
2.4 RTM MCP (Avg., Evening, Day, Morning, Night Hours) on 19-07-2021



* Value is same for all the Regions i.e. if there is any congestion the curve will be plotted w.r.t their coloured area line for more Refer to table.

Congestion has been reported by NLDC in N3 Region during Time Block 00 to 24 (00:15 – 06:00), Time Block 76 (18:45 – 19:00).

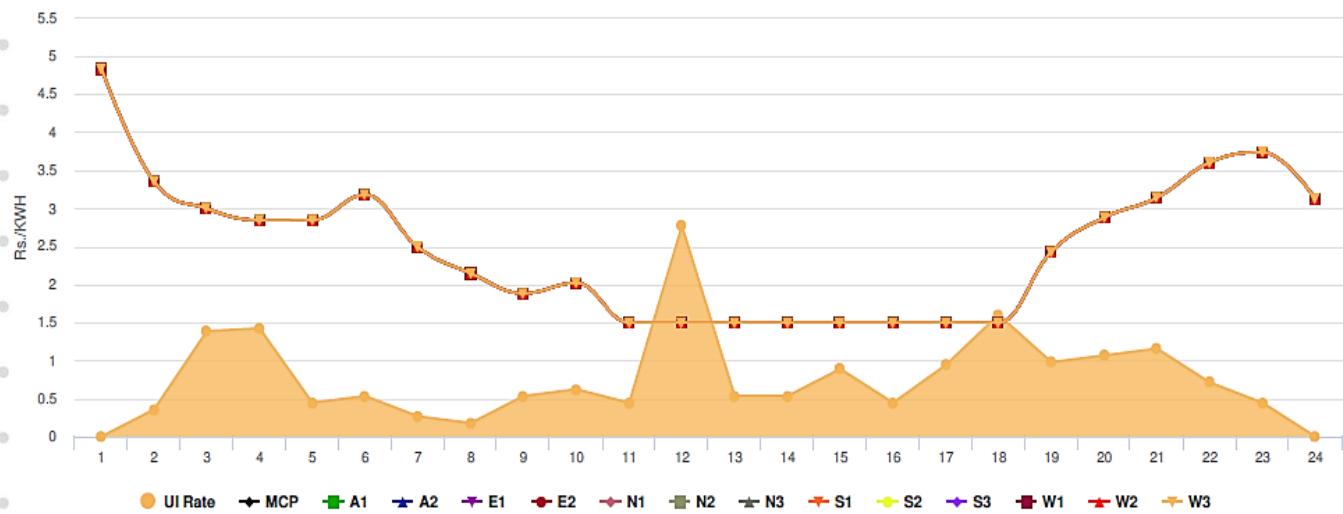
2.5 Block Wise MCP Comparison on 19.07.2021 (Rs./MWh)



2.6 Region-Wise Top Buyer, Seller and Generator on Exchange

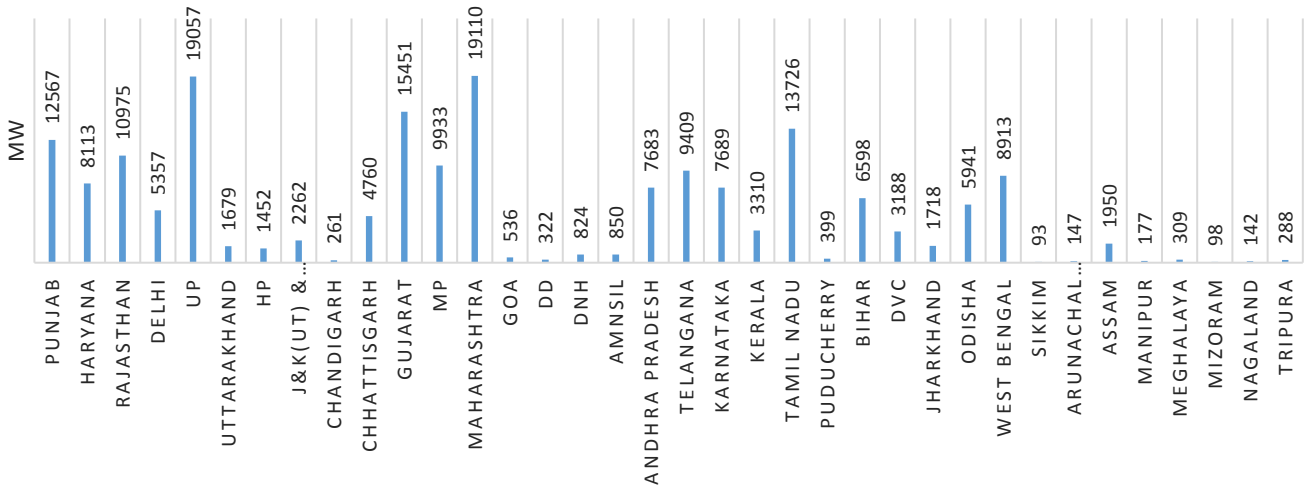
Region	19-Jul-21					
	UTILITY WISE				GENERATOR	
	Seller		Buyer			
	Name	MUs	Name	Mus	Name	MUs
NR	JK&LADAKH	11.99	UPPCL	3.40	SINGOLI	0.32
	HARYANA	7.56	PUNJAB	2.95	-	-
	DELHI	4.70	DELHI	0.87	-	-
WR	MPSEB	0.07	MSEB	3.66	SASAN	3.00
	GEB	0.06	MPSEB	1.54	MBMP	1.42
	MSEB	0.00	CSEB	0.20	RKM POWER	0.17
ER	ODISHA	0.68	WBSETCL	23.21	TEESTA III	0.12
	SIKKIM	0.18	BSPHCL	3.53	JLHEP	0.01
	WBSETCL	0.17	ODISHA	1.66	-	-
SR	KPTCL	18.58	TSTRANSCO	20.22	NNTPP	1.17
	KSEB	3.55	TNEB	1.10	NLCIIST 1	0.93
	TSTRANSCO	0.98	APTRANSCO	0.78	NLCIIST 2	0.72
NER	MANIPUR	0.33	MEGHALAYA	0.19	KAMENG	1.98
	ASSAM	0.15	MANIPUR	0.03	AGTCCPP-GAS	0.05
	TRIPURA	0.01	ASSAM	0.03	AGBPP-GAS	0.03

SECTION-3 DSM PRICE COMPARISON WITH IEX PRICE



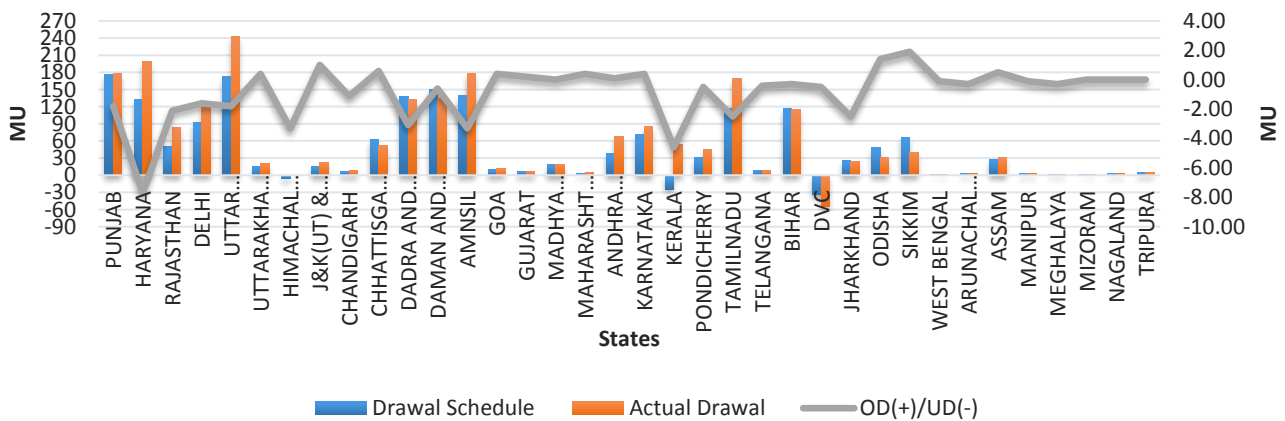
SECTION-4 POWER SUPPLY POSITION OF STATE

4.1 State Wise Maximum Demand Met on 19-07-2021



4.2 State Wise Drawal Schedule, Actual Drawal and OD/UD (+)/(-) on 19-07-2021

Over Drawal and Under Drawal Position (In MU)



4.3 Actual Scheduled in LTOA, MTOA, STOA and PXs on 19.07.2021

%age change w.r.t Previous Day

Region	States	Allocation*	LTOA	MTOA	STOA (MUs)		PX (MUs)	
			(MUs)	(MUs)	19-Jul	Previous Day % Change	19-Jul	Previous Day % Change
NR	PUNJAB	2824.2	20.61	0.00	68.28	-6%	10.96	21%
	HARYANA	2441.9	29.20	0.00	53.86	0%	3.72	-71%
	RAJASTHAN	2237.1	8.87	-1.39	1.01	-52%	-3.79	-
	DELHI	4561.7	13.60	0.00	36.80	2%	1.76	-17%
	UTTAR PRADESH	7187.2	29.51	1.16	15.71	-3%	-0.77	-
	UTTARAKHAND	950.1	2.55	0.00	-6.71	-1%	0.77	48%
	HIMACHAL PRADESH	1466.5	-0.33	0.00	-25.07	1%	-12.04	-6%
	J&K(UT) & Ladakh(UT)	1742.3	1.50	0.00	-7.75	1%	-6.63	-
	CHANDIGARH	167	0.13	0.00	0.00	-	-0.38	-
WR	CHHATTISGARH	2545.3	3.44	0.00	3.17	0%	0.27	-45%
	DADRA AND NAGAR HAVELI	158.6	0.00	0.00	0.43	-	0.00	-100%
	DAMAN AND DIU	105.8	0.00	0.00	2.98	-	0.15	-
	AMNSIL	-	0.00	0.00	2.98	-22%	0.15	-
	GOA	520.3	0.11	0.00	0.55	0%	-0.96	-34%
	GUJARAT	5102.6	-3.83	0.00	15.55	3%	23.87	-
	MADHYA PRADESH	5138.4	19.61	1.35	-13.14	-24%	6.48	-18%
	MAHARASHTRA	5792	4.44	0.00	2.77	-37%	11.63	295%
SR	ANDHRA PRADESH	1854.3	3.06	0.00	-0.40	-26%	4.77	74%
	KARNATAKA	4047.7	3.82	0.00	-31.38	-1%	-18.10	28%
	KERALA	1687.5	14.82	0.00	-1.18	-	0.91	-124%
	PONDICHERRY	338.6	0.00	0.00	0.00	-	0.00	-
	TAMILNADU	5990.6	31.98	0.32	-10.55	0%	8.51	26%
	TELANGANA	2166.3	17.43	0.00	-1.32	-	4.57	531%
ER	BIHAR	3697	11.39	0.00	9.84	-28%	2.76	-65%
	DVC	3734.2	-32.62	0.00	-6.39	-12%	0.00	-100%
	JHARKHAND	1478.5	0.02	0.00	2.98	0%	0.62	-51%
	ODISHA	1642.1	0.32	0.00	17.35	0%	-0.61	-24%
	SIKKIM	91.3	0.23	0.00	-0.72	24%	-0.22	-
	WEST BENGAL	2048.3	4.47	1.92	8.64	24%	0.51	-
NER	ARUNACHAL PRADESH	284.5	0.00	-1.20	-0.05	0%	-0.38	-3%
	MANIPUR	215	0.11	0.00	-0.46	0%	0.00	-
	ASSAM	1390.5	0.11	0.00	0.55	575%	1.61	3%
	MIZORAM	170.4	0.11	0.00	0.00	-	-0.13	1%
	MEGHALAYA	250.3	0.00	0.00	-0.93	29%	-0.79	-8%
	TRIPURA	464.8	-0.23	0.00	0.00	-	0.00	-
	NAGALAND	148.3	0.00	0.00	-0.05	-	-0.01	-81%

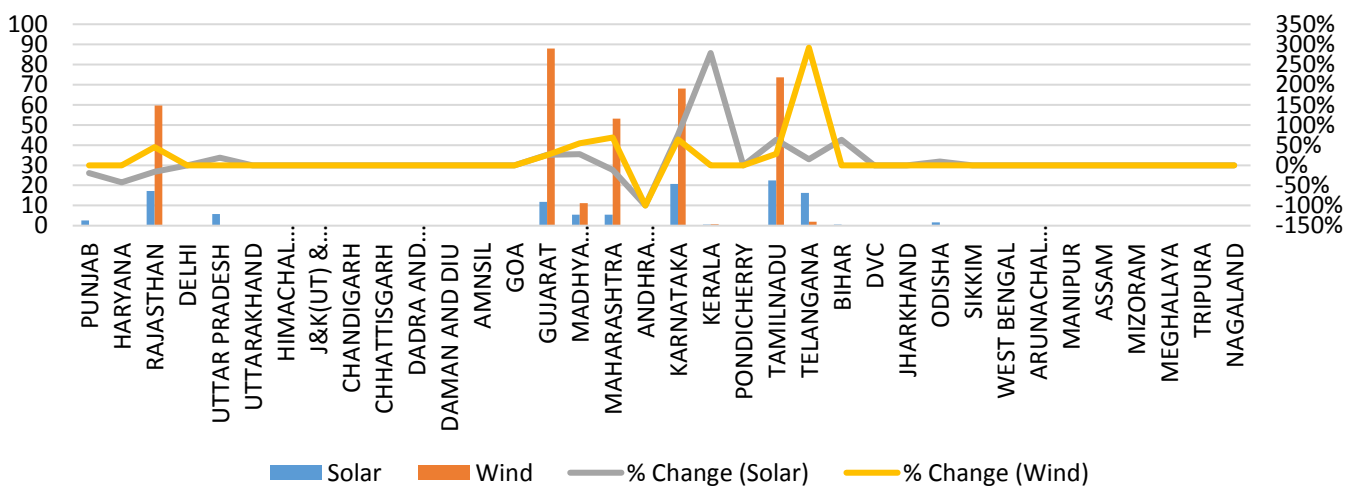
***As on 30.04.2021**

4.4 Region-Wise Top Seller* (IPP, SOLAR, NON-SOLAR) on 19-07-2021

Region	IPP		Solar		Non-Solar	
	Name	MUs	Name	Mus	Name	MUs
NR	KARCHAM WANGTOO	27.62	AZURE POWER FORTY THREE PRIVATE LIMITED	2.19	-	-
	ADHPL	5.5	SB ENERGY SIX PRIVATE LIMITED	2.1	-	-
	SAINJ HEP	2.6	CLEAN SOLAR POWER (BHADLA) PVT LTD	1.84	-	-
SR	SEIL P1	19.25	PVG_TATA RENEWABLES	2.38	GREEN INFRA	4.83
	SEIL P2	17.84	ANP_SBG ENERGY	1.72	PGLR_SREPL	4.36
	IL&FS	8.65	PVG_FORTUM SOLAR	1.48	BEETAM	3.89
ER	TEESTA STG III HEP	30.57	TALCHER_SOLAR	0.04	-	-
	CHUZACHEN	2.88	-	-	-	-
	DIKCHU HEP	2.54	-	-	-	-
WR	REL	27.84	ARINSUN SOLAR	1.62	AWEK1L	8.78
	KSK MAHANADI	26.34	ACME SOLAR	1.61	GIWEL II WIND	5.18
	JP NIGRIE	22.51	MAHINDRA SOLAR	1.61	GIWEL III WIND	5.06
NER	-	-	-	-	-	-

* CTU Connected

4.5 State Wise Renewable Solar & Non-Solar Wind Generation* on 19-07-2021 and % Change w.r.t Previous Day



4.6 Generating Outage Summary for 19-07-2021 (In MW)

Region	Central Sector	State Sector	Sub Total	Previous
NR	7,302.00	8,890.00	16,192.00	12,152.00
WR	14,838.00	21,617.00	36,455.00	33,640.00
SR	8,982.00	9,535.00	18,517.00	17,397.00
ER	1,180.00	4,645.00	5,825.00	5,725.00
NER	622.00	11.00	633.00	675.00
Total	32,924.00	44,698.00	77,622.00	69,589.00

SECTION-5 TRANSMISSION CORRIDOR AVAILABILITY AND POWER FLOW **(SCHEDULED)**

5.1 Inter-Regional

Region	Available Corridor (MW) (20-07-2021)		Scheduled Power (MW) (19-07-2021)		Corridor Constraints
	Max.ATC	Max.STOA	MW	MU	
NR to ER (Import)	1800	1607	787	7.6	-
ER to NR (Export)	6550	2270	3955	71	a) Reversal in HVDC APD-Agra power flow b) Commissioning of 765kV Ajmer-Phagi D/C and 765kV G.Noida-Fatehabad S/C - Revised Reliability Margin (TRM) considering 2% of the total anticipated peak demand met in MW in NR Import (19th July 2021 to 31st July 2021)
WR-ER (Import)	No limit is being specified	No limit is being specified.	3948	63.8	-
ER-WR (Export)	No limit is being specified.	No limit is being specified.	839	6.4	-
SR to ER (Import)	No limit is being Specified.	No limit is being Specified.	49	6.1	-
ER to SR (Export)	5400	2727	878	59.3	-
NER to ER (Import)	2855	3272	698	0	-
ER to NER (Export)	1805	831	3949	10.4	-
NR to WR (Import)	2000	1747	2537	45.7	-
WR to NR (Export)	17950	6940	12848	199.7	- Revised STOA margin due to change in LTA allocations 1) Revised STOA margin due to increase in LTA allocations by 13 MW (77 MW to 90 MW) from AWEK1L to UPPCL. 2) Revised STOA margin due to LTA allocations of 13 MW from AWEK1L to Chandigarh. a) Reversal in HVDC APD-Agra power flow b) Commissioning of 765kV Ajmer-Phagi D/C and 765kV G.Noida-Fatehabad S/C a) Revised STOA margin due to decrease in LTA allocations by 5 MW (90 MW to 85 MW) from AWEK1L to UPPCL b) Revised STOA margin due to increase in LTA allocations by 21 MW (19 MW to 40 MW) from AWEK1L to Chandigarh - Revised Reliability Margin (TRM) considering 2% of the total anticipated peak demand met in MW in NR Import (19th July 2021 to 31st July 2021)
SR to WR (Import)	4200	3431	6875	90.7	- Revised STOA margin due to change in LTA allocations - Revised STOA margin due to decrease in LTA allocation by 38 MW (100 MW to 62 MW) from BETAM to UP (NR) - Revised STOA margin due to increase in LTA allocation by 4 MW (62 MW to 68 MW) from BETAM to UP (NR) - Revised TTC/ATC due to change in LGBR of WR and outage of all units of Kudgi. (21st July 2021 to 31st July 2021)
WR to SR (Export)	8700	4804	3213	14.9	- Revised STOA margin due to change in LTA allocations - Revised STOA margin due to increase in LTA allocations by 10 MW (65 MW to 75 MW) from AWEKTL-WR to KSEB

5.2 Cross Country Power Flow (Actual) on 19-07-2021

Country	Region	Energy Exchange* Net MU
BHUTAN	ER	37.30
	NER	1.80
NEPAL	NR	-1.20
	ER	-1.50
BANGLADESH	ER	-19.70
	NER	-2.70

*Import=(+ve) /Export =(-ve)

SECTION-6 POWER SECTOR, WEATHER NEWS INDUSTRY **AND REGULATION UPDATE**

6.1 Power Sector

Power

- Uttar Pradesh will have additional 9000 MW power generation capacity in next 5 years: Alok Sinha. [Read more](#)
- Electric vehicle makers welcome Rajasthan govt's EV policy. [Read more](#)
- Ola Electric signs pact to raise \$100 mn in long-term debt. [Read more](#)

Renewable Energy

- New body to run Britain's energy systems & meet climate targets. [Read more](#)
- Solar energy waste must be tackled with recycle, reuse and regenerate. [Read more](#)
- India wants rich countries to pay more for green energy shift. [Read more](#)

Weather News

- Heavy to Very Heavy Rainfall with Extremely heavy falls at isolated places very likely over Konkan & Goa; Heavy to Very Heavy Rainfall at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, Andaman & Nicobar Islands and ghat areas of Madhya Maharashtra and Heavy rainfall at isolated places over Jammu & Kashmir, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat region and Coastal & South Interior Karnataka. Moderate rainfall at most places with isolated intense spells very likely over Delhi.
- Thunderstorm accompanied with lightning very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, north Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Coastal Andhra Pradesh & Yanam, Telangana and Tamil Nadu, Puducherry & Karaikal.
- Strong winds (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest & Westcentral Arabian Sea; North Arabian Sea and along & off Gujarat-Maharashtra-Goa coasts; Southeast Arabian Sea and along & off Karnataka-Kerala coasts & Lakshadweep area; South & adjoining Central Bay of Bengal & south Andaman Sea and Gulf of Mannar. Fishermen are advised not to venture into these areas.

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