

Real Time Electricity Market Snapshot June-July'20

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- RTM BENEFITS
- KEY STATISTICS
- VOLUME PROFILE, JUNE-JULY '20
- PRICE PROFILE, JUNE-JULY'20
- PARTICIPIATION
- WAY FORWARD

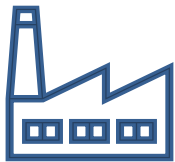


BUYER



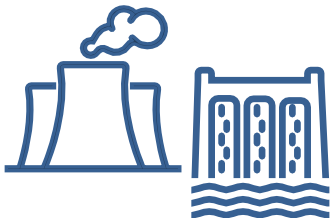
DISCOM

- ✓ Reduce overdrawl/sign change penalty
- ✓ Manage variation in RE generation
- ✓ Handle sudden demand increase
- ✓ Better response to generation Outage
- ✓ Optimization- SGS/URS



INDUSTRY

- ✓ Uncleared DAM Vol
- ✓ Cost Optimization
- ✓ Manage demand variation



GENCO

- ✓ Meet Schedule commitment - Plant outage

SELLER



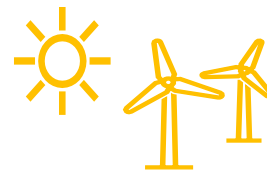
DISCOM

- ✓ Avoid under drawal/ sign change penalty
- ✓ Manage demand drop
- ✓ Manage increase in RE generation
- ✓ Immediate payment



GENCO

- ✓ Uncleared DAM volume
- ✓ Thermal
 - ✓ URS Sell - improve PLF
- ✓ Hydro
 - ✓ Must Sell- Spillage
- ✓ Immediate Payment



RENEWABLE

- ✓ Despatch close to Real Time
- ✓ Optimize number of revision
- ✓ Avoid DSM
- ✓ Immediate Payment



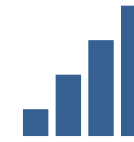
148 Buyers
120 Sellers

Total
Participants



PRICE

Avg: 2.34
Wt Avg: 2.59
Max: 5.65
Min: 0.15



Total Volume

Buy Bid: 1,752 MU
Sell Bid: 3,936 MU
Cleared: 1300 MU



Top 5 Share

Buyers: 59 %
Sellers : 48 %



Market Share

Buy Bid: 99%
Sell Bid: 99%
Cleared: 99%



Max Volume- Day

Buy Bid: 56 MU
Sell Bid: 104MU
Cleared: 43 MU



2.25 : 1

Active Time
Block



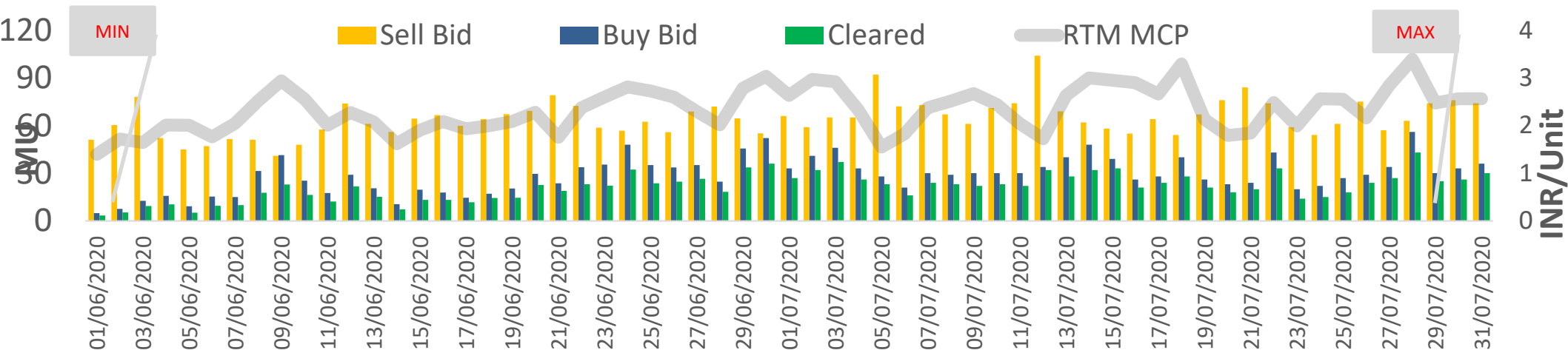
Buy Bid: 99%
Sell Bid: 99%
Cleared: 99%



Max Volume-Time block

Buy Bid: 4,545 MW
Sell Bid: 7,091 MW
Cleared: 3,143 MW

DAILY



DAILY AVERAGE

Buy: 28.7 MU
 Sell : 64.5 MU
 Cleared: 21.3 MU
 MCP: Rs 2.34/u

AVERAGE MW

Buy: 1209 MW
 Sell : 2715 MW
 Cleared: 898 MW

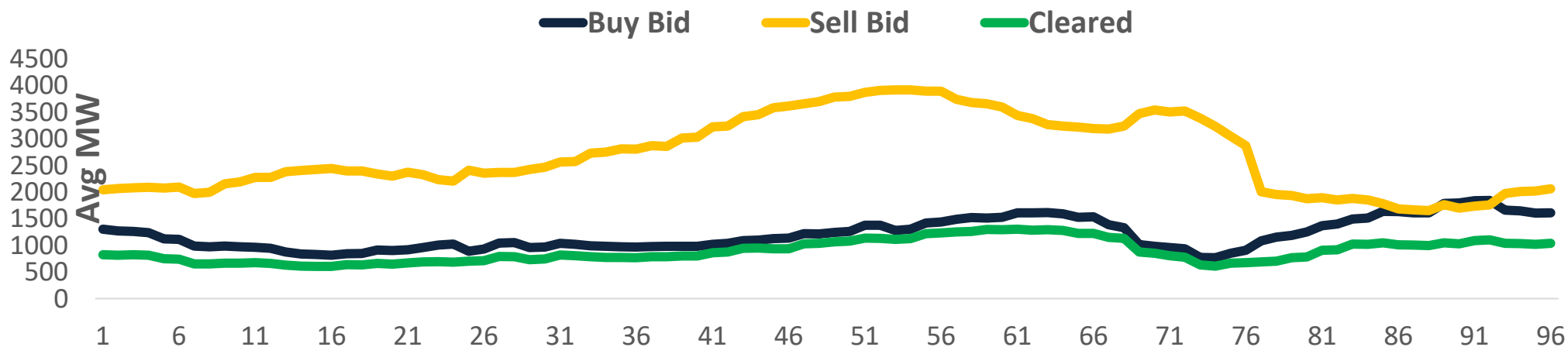
Duration

Peak
 Sell: 12-14 hrs
 Buy: 20-24 hrs
 Off Peak
 Sell: 21-24 hrs
 Buy: 08-10 hrs

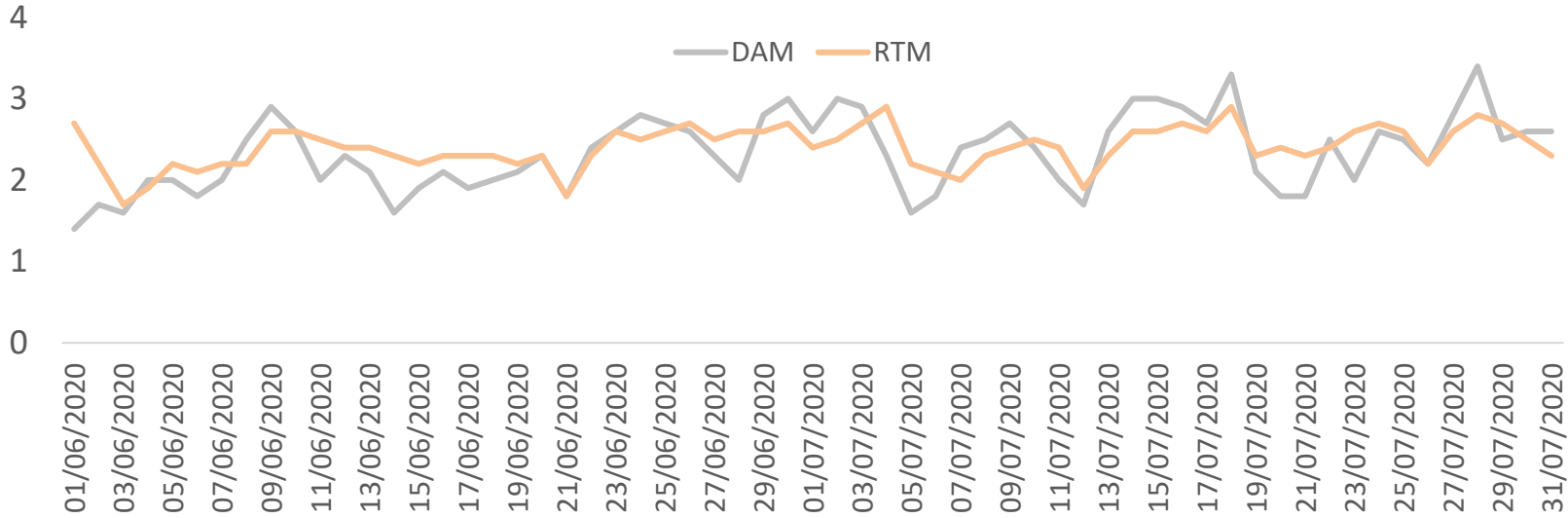
Key Trend

Sell > Buy : 90% of time
 Sell : Buy – 2.25:1
 Clearance
 Sell: 33%
 Buy : 74%

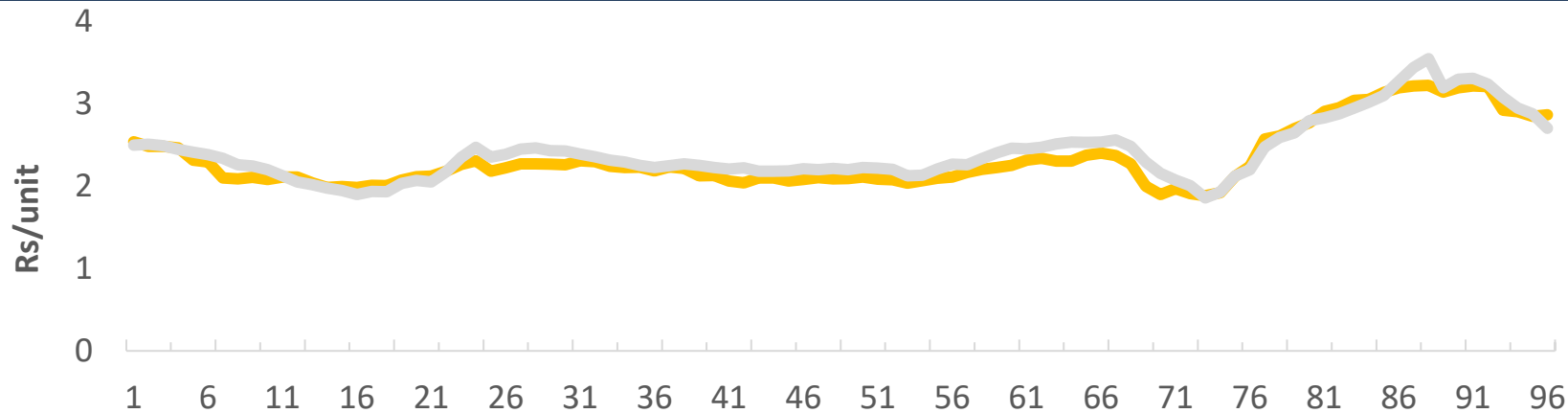
TIME BLOCK



DAILY



TIME BLOCK



AVERAGE

RTM : Rs 2.34/u
 DAM Rs 2.4/U
 RTM<DAM : 50 % of days
 RTM< DAM: 62% of time blocks

RTM PEAK DURATION

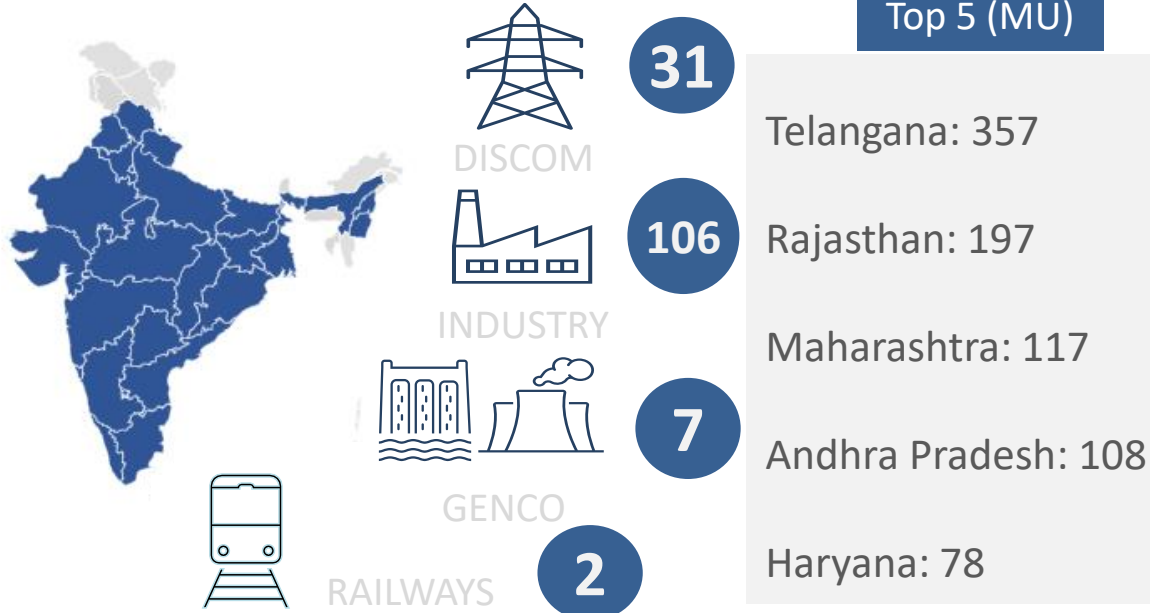
19-24 hrs
 Increased demand from states
 Costlier plant getting despatch I

RTM OFF PEAK DURATION

00 hrs – 07 hrs & day time
 Low demand and high RE

BUY

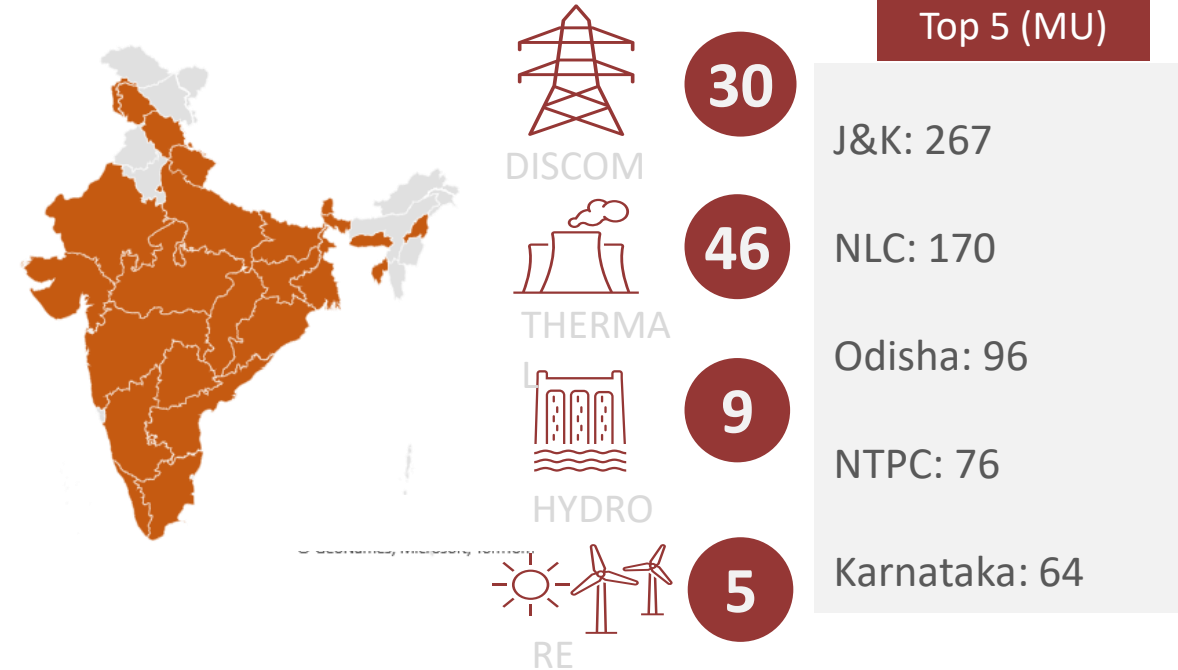
Top 5 (MU)



- ✓ Max Buyers:
 - ✓ 1st July: 71 - 19 Discoms & 52 OA
- ✓ Major Discom – Telangana, Rajasthan, Maharashtra, Andhra Pradesh & Haryana.
- ✓ Major OA-
 - ✓ Sector- Railways, Steel, Cement & Chemical Industries.
 - ✓ States: Gujarat, UP, AP, Bihar, Assam, Odisha
 - ✓ Industry- Dalmia Cements, Calcom, Green Valliey, Cochin Chemicals, Bihar Cement
- ✓ Major Genco: Adani, Teesta, Essar, DANS, Tashiding, Jindal Power, Maruti Clean Coal & Power, Aarti Steels

SELL

Top 5 (MU)



- ✓ Max sellers: 3rd July | 59 - 11 discoms & 48 genco
- ✓ Major Discoms – J&K, Odisha, Karnataka, Madhya Pradesh & UP
- ✓ Major Genco - NLC, NTPC, Adani, Sembcorp, Teesta Urja Limited etc
- ✓ 5 RE project leveraging closer to delivery market option

DSM

- ✓ No significant change in Over-drawal volume
- ✓ DSM should be treated as last resort
- ✓ DSM price to be linked to DAM or RTM, whichever is higher

SCED

- ✓ No significant change in SCED volume after commencement of RTM
- ✓ Cheaper URS being scheduled through SCED
- ✓ National URS sell should be scheduled through RTM

Regulations

- ✓ State to ease out condition for allowing OA buy in RTM
- ✓ RE Gencos allowed to use RTM to buy and meet commitment

TTC/ATC

- ✓ Net ATC to be shared after taking into account all STOA bookings

Exchange & Participants

- ✓ Technology, People & seamless operations
- ✓ Partners & Participants

Thank You