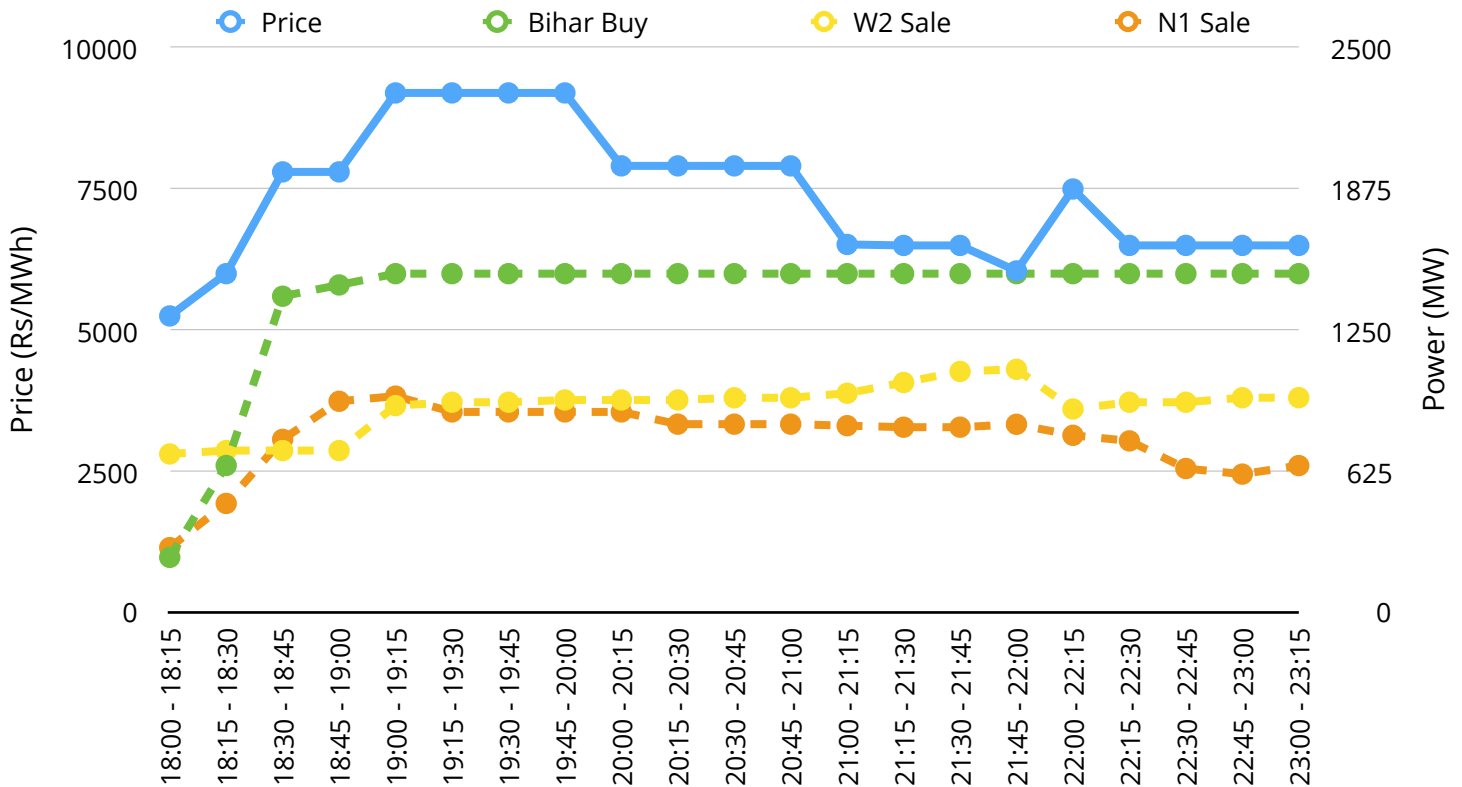


## MARKET MOVERS | 11 September 2017



## PRICE SUMMARY @ IEX DAM

|                            | North                            | West                              | South                               | East                  |
|----------------------------|----------------------------------|-----------------------------------|-------------------------------------|-----------------------|
| <b>RTC price (Rs/kWh)</b>  | 5.08                             | 5.08                              | 5.08                                | 5.08                  |
| Daily change               | ▲15.62%                          | ▲15.62%                           | ▲15.62%                             | ▲15.62%               |
| Difference to 5-DMA        | ▲22.22%                          | ▲22.22%                           | ▲22.22%                             | ▲22.22%               |
| <b>Min. price (Rs/kWh)</b> | 3.40                             | 3.40                              | 3.40                                | 3.40                  |
| Daily change               | ▲33.74%                          | ▲33.74%                           | ▲33.74%                             | ▲33.74%               |
| Difference to 5-DMA        | ▲26.51%                          | ▲26.51%                           | ▲26.51%                             | ▲26.51%               |
| <b>Max. price (Rs/kWh)</b> | 9.20                             | 9.20                              | 9.20                                | 9.20                  |
| Daily change               | ▲41.57%                          | ▲41.57%                           | ▲41.57%                             | ▲41.57%               |
| Difference to 5-DMA        | ▲13.87%                          | ▲13.87%                           | ▲13.87%                             | ▲13.87%               |
| <b>Major Buyers</b>        | Uttar Pradesh<br>Jammu & Kashmir | Gujarat<br>Maharashtra            | Telangana<br>Karnataka              | West Bengal<br>Bihar  |
| <b>Major Sellers</b>       | Punjab<br>Delhi                  | Jindal Power-I<br>Adani Power-III | Coastal Energen<br>Sembcorp Gayatri | Teesta Urja<br>Sikkim |

## MARKET INTELLIGENCE SUMMARY

- All-India RTC clearing price touched a two-year high of Rs 5.08/kWh and maximum clearing price jumped to Rs 9.20/kWh amidst sharp rise in demand and fall in supply. Total demand was nearly twice the power on supply. Concentrated buying in the market led to high prices as West Bengal, Bihar and Telangana acquired around 55% of the total volume cleared. Increased share of thermal IPPs from southern and western region pushed the maximum clearing price to Rs 9.20/kWh during evening peak hours.
- **WESTERN REGION:** Jindal Power-I and Adani Power Mundra collectively sold 26 MUs, or a fifth of the cleared volume. These power plants increased their sales by 67% compared to 10 September delivery.
- **SOUTHERN REGION:** Coastal Energen, Sembcorp Gayatri, Meenkashi Energy and Thermal Powertech collectively sold 14.4 MUs, up 43%.
- **IMD WEATHER FORECAST:** 12 September — Heavy rainfall expected in coastal and central Maharashtra. 13 September — Heavy rainfall forecasted in coastal Maharashtra.

## BUYERS & SELLERS @ IEX DAM\*

| Buyers          | Today's Volume (MUs) | Previous day's volume (MUs) | Sellers           | Today's Volume (MUs) | Previous day's volume (MUs) |
|-----------------|----------------------|-----------------------------|-------------------|----------------------|-----------------------------|
| West Bengal     | 27.6                 | 24.2                        | Teesta Urja       | 20.7                 | 20.8                        |
| Bihar           | 22.8                 | 21.5                        | Jindal Power-I    | 11.1                 | 7.6                         |
| Telangana       | 20.8                 | 22.1                        | Karnataka         | 9.7                  | 7.1                         |
| Gujarat         | 11.6                 | 3.1                         | Adani Power-III   | 7.0                  | 4.1                         |
| Maharashtra     | 10.5                 | 6.7                         | Punjab            | 6.5                  | 7.0                         |
| Madhya Pradesh  | 6.5                  | 10.9                        | Delhi             | 5.8                  | 8.2                         |
| Odisha          | 5.7                  | 8.6                         | Coastal Energen   | 5.5                  | 4.8                         |
| Uttar Pradesh   | 5.7                  | 9.3                         | Sembcorp Gayatri  | 4.1                  | 1.2                         |
| Karnataka       | 3.0                  | 4.1                         | Adani Power-II    | 4.0                  | 1.1                         |
| Jammu & Kashmir | 2.9                  | 1.0                         | Adani Power-I     | 3.9                  | 2.8                         |
| Rajasthan       | 2.1                  | 0.9                         | Uttarakhand       | 3.8                  | 4.6                         |
| Kerala          | 1.3                  | 1.6                         | Himachal Pradesh  | 3.4                  | 4.4                         |
| Delhi           | 1.1                  | 0.8                         | Meenakshi Energy  | 2.9                  | 2.4                         |
| Daman & Diu     | 1.0                  | 1.0                         | Karcham Wangtoo   | 2.8                  | 4.4                         |
|                 |                      |                             | Sikkim            | 2.4                  | 2.5                         |
|                 |                      |                             | Andhra Pradesh    | 2.3                  | 1.8                         |
|                 |                      |                             | Jorethang Hydro   | 2.3                  | 2.3                         |
|                 |                      |                             | Chuzachen Hydro   | 2.1                  | 2.3                         |
|                 |                      |                             | Thermal Powertech | 1.9                  | 1.7                         |
|                 |                      |                             | Madhya Pradesh    | 1.7                  | 1.6                         |
|                 |                      |                             | Dikchu Hydro      | 1.7                  | 2.1                         |

| Buyers  | Today's Volume (MUs) | Previous day's volume (MUs) | Sellers       | Today's Volume (MUs) | Previous day's volume (MUs) |
|---|----------------------|-----------------------------|---------------|----------------------|-----------------------------|
|   |                      |                             | Odisha        | 1.6                  | 1.3                         |
|   |                      |                             | Haryana       | 1.5                  | 0.9                         |
|   |                      |                             | Uttar Pradesh | 1.5                  | 1.5                         |
|   |                      |                             | Maharashtra   | 1.4                  | 2.1                         |
| * with sales or procurement of at least 1 MUs |                      |                             | DB Power      | 1.0                  | 0.7                         |

## SHORT-TERM BILATERAL POWER TRANSACTIONS<sup>^</sup>

| Buyers               | Volume (MUs) | Previous day's volume (MUs) | Sellers              | Volume (MUs) | Previous day's volume (MUs) |
|----------------------|--------------|-----------------------------|----------------------|--------------|-----------------------------|
| TANGEDCO             | 20.1         | 20.1                        | Sembcorp Gayatri     | 23.7         | 23.7                        |
| Haryana PPC          | 18.9         | 17.7                        | Himachal Pradesh SEB | 21.2         | 21.2                        |
| Uttar Pradesh PCL    | 17.0         | 17.8                        | Madhya Pradesh PMCL  | 10.2         | 9.8                         |
| Punjab SPCL          | 26.6         | 24.2                        | Jammu & Kashmir      | 10.0         | 10.0                        |
| Chhattisgarh SPDCL   | 13.6         | 13.1                        | Andhra Pradesh PCC   | 9.2          | 7.7                         |
| Andhra Pradesh PCC   | 8.4          | 8.4                         | Jaypee Nigrie        | 8.4          | 8.0                         |
| Bihar SPHCL          | 7.8          | 8.1                         | Jindal Power-I       | 7.5          | 7.0                         |
| Essar Steel          | 6.6          | 6.3                         | Essar Mahan          | 6.9          | 6.3                         |
| Bangladesh           | 5.9          | 5.9                         | West Bengal SEDCL    | 5.9          | 5.9                         |
| BSES Yamuna          | 5.4          | 5.3                         | Jindal India Thermal | 5.9          | 6.1                         |
| BSES Rajdhani        | 5.4          | 5.4                         | Adhunik Power        | 3.9          | 3.9                         |
| Telangana SSPDCL     | 4.7          | 4.7                         | Uttarakhand PCL      | 3.6          | 4.8                         |
| Jharkhand            | 3.1          | 3.1                         | DVC                  | 3.3          | 4.9                         |
| Tata Power-Delhi     | 3.0          | 2.8                         | Dagachhu Hydro       | 2.9          | 2.9                         |
| Nepal                | 2.4          | 2.4                         | MB Power             | 2.7          | 2.7                         |
| Telangana PCC        | 1.9          | 1.9                         | Meghalaya SPDCL      | 2.3          | 2.2                         |
| Vedanta Aluminium    | 1.8          | 0.0                         | DB Power             | 2.3          | 2.2                         |
| Uttarakhand PCL      | 1.5          | 2.0                         | Maharashtra SEDCL    | 2.2          | 2.2                         |
| NDMC                 | 1.3          | 1.3                         | Thermal Powertech    | 2.1          | 2.4                         |
| Himachal Pradesh SEB | 1.1          | 1.2                         | Telangana            | 1.9          | 1.9                         |
| Goa                  | 1.0          | 1.0                         | GRIDCO               | 1.9          | 1.2                         |
|                      |              |                             | Karcham Wangtoo      | 1.9          | 1.2                         |
|                      |              |                             | Coastal Energen      | 1.8          | 5.8                         |

| Buyers   | Volume (MUs) | Previous day's volume (MUs) | Sellers        | Volume (MUs) | Previous day's volume (MUs) |
|--|--------------|-----------------------------|----------------|--------------|-----------------------------|
|  |              |                             | BSES Rajdhani  | 1.7          | 1.7                         |
|  |              |                             | OPG Power-II   | 1.5          | 1.5                         |
|  |              |                             | Spectrum Power | 1.5          | 1.0                         |
|  |              |                             | Shree Cement   | 1.5          | 1.5                         |
| ^ Sales or purchase of more than 1 MUs covered |              |                             | TISCO          | 1.2          | 1.4                         |

## IPP# TRANSACTION SUMMARY

| Generator               | Installed Capacity (MW) | IEX Sales (MUs) | IEX Sales (MW) | STOA Sales (MUs) | STOA Sales (MW) |
|-------------------------|-------------------------|-----------------|----------------|------------------|-----------------|
| ACBIL                   | 270                     | 0.7             | 30             | 0.4              | 18              |
| Adani Power I           | 1320                    | 3.9             | 163            | 0.0              | 0               |
| Adani Power II          | 1320                    | 4.0             | 165            | 0.1              | 4               |
| Adani Power III         | 1980                    | 7.0             | 292            | 0.0              | 0               |
| Adhunik Power           | 1080                    | 0.0             | 0              | 3.4              | 143             |
| Coastal Energen         | 1200                    | 5.5             | 228            | 1.8              | 75              |
| DB Power                | 1200                    | 1.0             | 42             | 0.8              | 32              |
| Dhariwal Infrastructure | 600                     | 0.1             | 3              | 0.0              | 0               |
| Essar Mahan             | 1200                    | 0.0             | 0              | 6.9              | 288             |
| GMR Kamalanga           | 1050                    | 0.1             | 3              | 0.0              | 2               |
| IL&FS Energy            | 1200                    | 0.1             | 5              | 0.0              | 0               |
| Jindal India            | 1800                    | 0.7             | 28             | 3.2              | 135             |
| Jindal Power-I          | 1000                    | 11.1            | 463            | 3.3              | 137             |
| Jindal Power-II         | 2400                    | 0.0             | 0              | 0.5              | 20              |
| JP Nigrie               | 1320                    | 0.2             | 9              | 7.9              | 328             |
| JSPL DCP                | 540                     | 0.1             | 5              | 0.1              | 6               |
| Lanco Amarkantak        | 1920                    | 0.0             | 0              | 0.3              | 13              |
| Maruti CCPL             | 300                     | 0.0             | 0              | 0.3              | 14              |
| MB Power                | 1200                    | 0.7             | 28             | 2.7              | 112             |
| Meenakshi Energy        | 1000                    | 2.9             | 122            | 0.0              | 0               |
| Sembcorp Gayatri        | 1320                    | 4.1             | 169            | 23.4             | 976             |
| Thermal Powertech       | 1320                    | 1.9             | 81             | 2.1              | 87              |

# Only CTU connected IPPs active in either IEX DAM or STOA

## CONGESTION MONITORING | 11 September 2017

| Region               | Type of Congestion | Block |
|----------------------|--------------------|-------|
| Western Region       | No congestion      | NA    |
| Southern Region      | No congestion      | NA    |
| Northern Region      | No congestion      | NA    |
| Eastern Region       | No congestion      | NA    |
| North-Eastern Region | No congestion      | NA    |

## REGIONAL GENERATION OUTAGE SUMMARY | 11 September 2017

| Region | Installed Capacity (MW) | Total Outage (MW) | Planned Outage (MW) | Forced Outage (MW) | Outage due to load demand (MW) |
|--------|-------------------------|-------------------|---------------------|--------------------|--------------------------------|
| North  | 76,555                  | 11,691            | 6,246               | 5,445              | 4,704                          |
| West   | 1,06,754                | 30,749            | 13,808              | 16,941             | 6,555                          |
| South  | 83,384                  | 13,635            | 2,373               | 11,262             | 1,816                          |

Data as on 0630 hours, 11 September 2017 | Note: Outage due to low demand is a subset of planned or forced outage

## PoC LOSSES | 11-17 September 2017

| Entity Name          | Injection (%) | Withdrawal (%) | Entity Name          | Injection (%) | Withdrawal (%) |
|----------------------|---------------|----------------|----------------------|---------------|----------------|
| ACBIL/Spectrum Power | 2.28          | 0.00           | NHPC Parbati III     | 1.16          | 0.00           |
| Adani Power Mundra   | 2.28          | 0.00           | NHPC Uri I           | 0.66          | 0.00           |
| Adhunik Power        | 0.74          | 0.00           | NHPC Uri II          | 0.66          | 0.00           |
| Andhra Pradesh       | 0.73          | 1.23           | NLC                  | 1.23          | 0.00           |
| Arunachal Pradesh    | 0.10          | 1.10           | NLC Tamil Nadu Power | 1.48          | 0.00           |
| Assam                | 0.85          | 1.35           | NPC Kaiga            | 0.98          | 0.00           |
| BALCO                | 2.28          | 0.00           | NPC RAAP C           | 1.41          | 0.00           |
| BBMB                 | 0.91          | 0.00           | NPC Tarapur          | 0.78          | 0.00           |
| Bihar                | 1.74          | 1.24           | NTPC Barh            | 0.74          | 0.00           |
| BRBCL Nabinagar      | 0.99          | 0.00           | NTPC Bongaigaon      | 1.85          | 0.00           |

| Entity Name             | Injection (%) | Withdrawal (%) | Entity Name            | Injection (%) | Withdrawal (%) |
|-------------------------|---------------|----------------|------------------------|---------------|----------------|
| Chamera Pooling Point   | 1.16          | 0.00           | NTPC Dadri             | 0.41          | 0.00           |
| Chandigarh              | 0.41          | 1.91           | NTPC Farakka           | 0.99          | 0.00           |
| Chhattisgarh            | 1.78          | 1.78           | NTPC Jhajjar           | 0.41          | 0.00           |
| Coastal Energen         | 1.48          | 0.00           | NTPC Kahalgaon         | 0.74          | 0.00           |
| Dadar & Nagar Haveli    | 0.78          | 1.53           | NTPC Koldam Hydro      | 0.91          | 0.00           |
| Daman & Diu             | 0.78          | 1.28           | NTPC Korba             | 2.03          | 0.00           |
| DB Power                | 2.28          | 0.00           | NTPC Mauda             | 2.28          | 0.00           |
| Delhi                   | 0.41          | 0.91           | NTPC Ramagundam        | 0.98          | 0.00           |
| Dhariwal Infrastructure | 2.53          | 0.00           | NTPC Rihand            | 1.91          | 0.00           |
| DVC                     | 0.99          | 0.74           | NTPC SAIL              | 1.03          | 0.00           |
| Essar Steel             | 0.78          | 2.16           | NTPC Simhadri          | 1.23          | 0.00           |
| GMR Chhattisgarh        | 2.53          | 0.00           | NTPC Singrauli         | 1.91          | 0.00           |
| GMR Kamalanga           | 0.74          | 0.00           | NTPC Sipat             | 2.28          | 0.00           |
| GMR Warora              | 2.03          | 0.00           | NTPC Talcher           | 0.99          | 0.00           |
| Goa                     | 0.78          | 2.16           | NTPC Talcher-2         | 1.49          | 0.00           |
| Gujarat                 | 1.03          | 1.78           | Odisha                 | 0.74          | 0.74           |
| Haryana                 | 0.91          | 1.66           | ONGC Tripura Gas       | 0.85          | 0.00           |
| Himachal Pradesh        | 1.41          | 1.41           | Puducherry             | 1.98          | 0.23           |
| IL&FS Energy            | 1.48          | 0.00           | Punjab                 | 0.91          | 1.41           |
| Jammu & Kashmir         | 0.91          | 0.91           | Rajasthan              | 1.41          | 1.91           |
| Jhabua Power            | 2.53          | 0.00           | Ranganadi              | 1.85          | 0.00           |
| Jharkhand               | 0.49          | 0.99           | Ratnagiri Gas & Power  | 0.78          | 0.00           |
| Jindal Power (Extn.)    | 2.28          | 0.00           | RKM Power              | 2.28          | 0.00           |
| Jindal Power & JSPL     | 2.53          | 0.00           | Sardar Sarovar Project | 1.78          | 0.00           |
| JITPL                   | 0.74          | 0.00           | Sasan UMPP             | 2.28          | 0.00           |
| JP Nigrie               | 2.28          | 0.00           | Sikkim                 | 0.99          | 0.24           |
| Karcham Wangtoo         | 1.16          | 0.00           | Simhadri 1             | 0.98          | 0.00           |
| Karnataka               | 0.98          | 1.73           | Simhapuri Energy       | 1.23          | 0.00           |
| Kerala                  | 1.23          | 1.98           | SJVN Nathpa Jhakri     | 1.16          | 0.00           |
| Korba West Power        | 2.28          | 0.00           | SJVN Rampur            | 1.16          | 0.00           |
| Koteshwar               | 1.41          | 0.00           | Shree Cement           | 0.91          | 0.00           |

| Entity Name       | Injection (%) | Withdrawal (%) | Entity Name         | Injection (%) | Withdrawal (%) |
|-------------------|---------------|----------------|---------------------|---------------|----------------|
| KSK Mahanadi      | 2.28          | 0.00           | Tamil Nadu          | 0.98          | 1.23           |
| Kudankulam        | 1.23          | 0.00           | Tata Power Mundra   | 1.78          | 0.00           |
| Lanco Amarkantak  | 2.28          | 0.00           | Teesta Urja Hydro   | 1.24          | 0.00           |
| Madhya Pradesh    | 1.03          | 1.53           | Teesta Urja Hydro 3 | 1.24          | 0.00           |
| Maharashtra       | 1.78          | 1.28           | Telangana           | 0.98          | 1.23           |
| Maithon Power     | 0.74          | 0.00           | THDC Tehri          | 1.41          | 0.00           |
| Manipur           | 0.85          | 1.10           | Thermal Powertech   | 1.23          | 0.00           |
| MB Power          | 2.53          | 0.00           | Torrent Power       | 0.78          | 0.00           |
| Meenkashi Energy  | 1.23          | 0.00           | Tripura             | 0.60          | 0.35           |
| Meghalaya         | 0.85          | 2.10           | TRN Energy          | 2.53          | 0.00           |
| Mizoram           | 2.10          | 2.10           | Uttar Pradesh       | 1.41          | 1.66           |
| Nagaland          | 0.60          | 0.60           | Uttarakhand         | 1.16          | 1.41           |
| NCC Power Project | 1.23          | 0.00           | Vallur              | 0.98          | 0.00           |
| NHPC Chamera I    | 1.16          | 0.00           | Vindhyachal         | 2.28          | 0.00           |
| NHPC Chamera II   | 1.16          | 0.00           | West Bengal         | 0.74          | 1.24           |
| NHPC Dulhasti     | 1.16          | 0.00           |                     |               |                |

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