Launch of India-REDP Portal on RPO framework
by Shri Jishnu Barua, Chairperson of Forum of Regulators (FOR)
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Followed by panel discussion with
Mr Mukesh Khullar, former Member, MERC, Mr Chintan Shah, former Director (Technical), IREDA & Mr. Rohit Bajaj, Sr. VP Business Development, Strategy & Regulatory - IEX Ltd
Objective and Motivation for the Portal

• Ambitious RE targets and RPO policy has been key driver
• However comprehensive compliance monitoring data availability in the public domain is weak and not in one place.

• This portal allows users
  – To access all information in one place (download, share, compare)
  – To get a deeper understanding of the RPO framework (regulations, targets and compliance) through insightful visualisations.
    • Esp. when RPO framework is undergoing significant change.
      – New Categories; Storage (ESO); Green Markets etc.
LEARNINGS & INSIGHTS
RPO Regulations, examples from few states

• Incorporating changes in RPO framework/regulations
  – New regulations (MH, AP)
  – Through multiple regulations (Delhi, RJ)
  – Amendments in existing regulations (Kar)

• Many variations in several important provisions
  – Net Consumption
  – Fungibility, Penalty, Carry Forward
  – HPO, Large hydro as RE

• Compliance verification
  – Timelines; Details of process; Data reporting and standard formats
RPO Compliance Data availability

- Data from public domain only for 60 DISCOMs (12 years)
  - 4 States (CH, AP, HP, MP) have shared data in response to our query to all States.

- Many variations in data reporting across states
  - High level of disaggregated annual data
    - E.g., MH, Karnataka, Goa and UTs (except), HP
  - Basic level of data
    - Net consumption, Target (% and MU), Compliance (% and MU)
    - E.g., Gujarat, UP
  - Insufficient data
    - Target (% or MU) and Compliance (% or MU)
    - E.g., UK, Haryana, AP, RJ
  - No public data that we could find
    - E.g., TN, Odisha, Kerala
Different approaches adopted for RPO compliance by States

• Proceeding frequency
  – Annually (Bihar, Karnataka); Frequently (GJ, MH, UP, Delhi, etc.)

• Type of proceedings
  – True-up orders (MH, Bihar, Karnataka, etc.); Petition or Sou-motu orders (UP, MP, MH)

• Fungibility
  – Allowed (GJ, Bihar, Karnataka, etc.)
    • Even across DISCOMs in Bihar, Karnataka (one specific year)
  – Not allowed (MH, Goa and UTs)

• Data reporting for DISCOMs
  – Consolidated by Holding company (GJ, UP, MP); Separate for each DISCOM (MH, Bihar, Delhi)
Different approaches adopted for RPO compliance (2)

• Carry forward
  – Shortfall allowed, Surplus not allowed (Goa, UTs)
  – Shortfall and surplus allowed (MH, UP, Punjab, Bihar)
  – Both not allowed (GJ, Karnataka, etc.)

• Penalty or amount deposition ordered for shortfall
  – Imposed (Delhi-annually, UP); Not imposed (Most states in spite of shortfall)

• Gujarat
  – RPO compliance targets revised based on weighted average RE procurement by DISCOMs

• Maharashtra
  – REC bought in present years adjusted for past years shortfall
  – Strict orders for improving compliance reporting by Obligated entities
Requirements for understanding RPO compliance

• Timely proceedings from SERCs on RPO compliance with detailed data reporting
  – E.g. Net consumption, disaggregated by RPO type, RECs, GDAM, penalties etc.

• Some level of basic standardisation needed across states
  – Leaving room for flexibility, innovation.

• Possibly revised Model regulations by FoR
  – Esp. w.r.t. net consumption, penalty, compliance verification (and its timelines)
Next steps for India RE Data Portal

• For RPO portal
  – Older regulations with summaries; consolidated regulations
  – Cumulative compliance, carry forward and fungibility analysis,
  – Search option

• Enhancing the India RE Data Portal (www.indiaredata.org)
  – Migrate the existing RE Data Portal visualisations on RE capacity, generation, prices, REC, GTAM, Potential etc.
  – New RE data visualisations
  – Analysis of other RE regulations
THANK YOU

Ashwin Gambhir, Saumendra Aggrawal, Sneha Mannur, Abhiram Sahasrabudhe

ashwin@prayaspune.org, saumendra@prayaspune.org, sneha@prayaspune.org, abhiram@prayaspune.org

https://energy.prayaspune.org/
energy@prayaspune.org