

2 STATUS OF POWER REFORMS IN VARIOUS STATES

After three years of enactment of the Electricity Act and various policy papers and regulations issued by CERC, the Power Sector as a whole has witnessed a significant impact on itself by way of change of scenario through development of industry, promoting competition and protecting consumer interest. The key provisions of the Act have made remarkable changes in all aspects of segregated business - Generation, Transmission, Distribution, SLDC and Trading. The power reforms status in various States can be known in two ways; Regulatory Framework & Restructuring of the SEBS.

2.1 Regulatory Framework

- Twenty two States in India have either constituted or notified the constitution of State Electricity Regulatory Commission. One SERC has been constituted to regulate the sector for all north-eastern States except Assam.
- Eighteen State's ERC have issued Tariff Orders at least once.
- The important Regulations/Orders issued in various States by the State Commissions are Intra State ABT concept, Open Access regulations, Tariff Orders on ARR filings by the utilities, Multi year Tariff etc.

The following table shows the level of Regulatory Framework of the State power sectors.

Table : 2.1

	AP	Gujarat	Karnataka	Rajasthan	Punjab	TN	MP	Kerala	Jharkhand
Open Access Regulations									
Transmission	✓	✓	✓	✓	✓	✓	✓	✓	✓
Distribution	✓	✓	✓	✓	✓	✓	✓	✓	✓
Terms and Conditions of Tariff	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intrastate ABT Concept	✓	✓	✓						
Multi Year Tariff Concept	FY08		✓	✓			✓		✓
Power Procurement Guidelines	✓	✓		✓			✓	✓	
Supply Code Regulations	✓	✓	✓	✓		✓	✓	✓	✓
Standard of Performance Regulations	✓	✓	✓	✓		✓	✓		✓
State Grid Code Regulations	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intra State Trading regulations	✓	✓	✓	✓			✓		✓
Cost of Supply / Cross Subsidy Order	✓	✓	✓	✓					
Tariff Orders Issued for FY 06-07									
Generation Tariff	✓						✓		
Transmission Tariff	✓						✓		
Distribution Tariff	✓		✓				✓		
MYT Order							✓		

Table 2.2: Level of Regulatory Framework

Level of Restructuring

	Vertically Integrated utility (VIU)	STU Separation under VIU	Unbundling & Corporatised Companies	Multi Buyer Model	DISCOM PSP	Generation PSP
Intra State ABT Concept				AP, UP Rajasthan		
MYT Concept	Punjab		Karnataka, Gujarat, M.P., Maharashtra		Delhi	Orissa
Terms & Conditions of Tariff	Kerala		Uttaranchal, Haryana			
Open Access Regulations	Chhattisgarh, West Bengal	Tamil Nadu				
Tariff Order Issued	Jharkhand					
Functional SERC						

Regulatory Framework

2.2 Restructuring/ Unbundling of State Electricity Board

All Northeast States in India except Assam have the Electricity Departments (ED) instead of State Electricity Boards, who are responsible for the Generation, Transmission and Distribution of power within the State.

The structure of Power Sector in West Bengal is still vertically integrated and now in the process of restructuring.

Other States like Punjab, Himachal Pradesh, Tamil Nadu, Chhattisgarh, Jharkhand have vertically integrated power utilities that are looking after Generation, Transmission and Distribution of power in the State. The following table shows the status of unbundling of State electricity boards in various States.

Table 2.3: Status of Restructuring of State Electricity Boards in various States

States	Companies
Andhra Pradesh	APGENCO for Generation and APTRANSCO for Transmission, 4 Distribution companies - Andhra Pradesh Central Power Distribution Company Limited (APCPDCL), Andhra Pradesh Eastern Power Distribution Company Limited (APEPDCL), Andhra Pradesh Southern Power Distribution Company Limited (APSPDCL), Andhra Pradesh Northern Power Distribution Company Limited (APNPDCL).
Arunachal Pradesh	Electricity Department
Assam	Unbundled into one Generation company - Assam Power Generation Corporation Limited One Transmission company - Assam Electricity Grid Corporation Limited Three Distribution companies – Central Assam Electricity Distribution Company Limited, Lower Assam Electricity Distribution Company Limited, Upper Assam Electricity Distribution Limited
Bihar	Vertically integrated Utility
Chhattisgarh	Vertically integrated Utility
Delhi	One Generation Company - Delhi Genco, One Transmission company- Delhi Transco Limited, Three Distribution company – BSES Rajdhani, BSES Yamuna and North Delhi Power Limited (NDPL)
Gujarat	One holding company - Gujarat Urja Vikas Nigam Limited, One Generation company - Gujarat State Electricity Corporation Limited (GSECL) One Transmission Company - Gujarat Energy Transmission Corporation Limited (GETCO) 4 Distribution companies – Madhya Gujarat Vij Company Limited (MGVCL),

States	Companies
	Uttar Gujarat Vij Company Limited (UGVCL), Paschim Gujarat Vij Company Limited (PGVCL), Dakshin Gujarat Vij Company Limited (DGVCL)
Goa	Electricity Department - looking after Transmission and Distribution. No Generation of its own.
Haryana	One Generation company - Haryana Power Generation Corporation Limited (HPGCL), One Transmission company - Haryana Vidyut Prasaran Nigam Limited (HVPNL), Two Distribution companies – Uttar Haryana Bijli Vitaran Nigam Limited (UHBVNL) and Dakshin Haryana Bijli Vitaran Nigam Limited (DHBVNL)
Himachal Pradesh	Vertically integrated Utility
Jharkhand	Vertically integrated Utility
Karnataka	One Generation company - Karnataka Power Corporation Limited (KPCL) One Transmission company - Karnataka Power Transmission Corporation Limited (KPTCL) Four Distribution companies – Bangalore Electricity Supply Company (BESCOM), Hubli Electricity Supply Company (HESCOM), Gulbarga Electricity Supply Company (GESCOM), Mangalore Electricity Supply Company (MESCOM)
Kerala	Vertically integrated Utility
Madhya Pradesh	One generating company - Madhya Pradesh Power Generating Company Limited, One Transmission company - Madhya Pradesh Power Transmission Company Limited, Three Distribution companies – Madhya Kshetra Vidyut Vitaran Company Limited, Pashchim Kshetra Vidyut Vitaran Company Limited, Poorva Kshetra Vidyut Vitaran Company Limited

States	Companies
Maharashtra	One Generation company - Maharashtra State Power Generation Company Limited (MSPGCL), One Transmission company - Maharashtra State Electricity Transmission Company Limited (MSETCL), One Distribution Company - Maharashtra State Electricity Distribution Company Limited (MSEDCL), One holding company - MSEB Holding company
Orissa	Two Generation companies – Orissa Power Generation Corporation (OPGC), Orissa Hydro Power Corporation (OHPC) One Transmission Company - Grid Corporation of Orissa. Four Distribution companies – North Eastern Electricity Supply Company of Orissa Limited (NESCO), Central Electricity Supply Company of Orissa Limited (CESCO), Western Electricity Supply Company of Orissa Limited (WESCO), Southern Electricity Supply Company of Orissa Limited (SouthCo)
Punjab	Vertically integrated Utility
Rajasthan	One Generation company - Rajasthan Vidyut Utpaadan Nigam Limited (RVUNL) one Transmission company - Rajasthan Vidyut Prasaaran Nigam Limited (RVPNL) Three Distribution companies – Jaipur Vidyut Vitaran Nigam Limited (JVVNL), Ajmer Vidyut Vitaran Nigam Limited (AVVNL), Jodhpur Vidyut Vitaran Nigam Limited (JoVVNL)
Tamil Nadu	Vertically integrated Utility
Uttar Pradesh	Two Generation companies – Uttar Pradesh Rajya Vidyut Utpaadan Nigam Limited (UPRUVNL), Uttar Pradesh Jal Vidyut Utpaadan Nigam Limited (UPJVUNL) Transmission is being handled by Uttar Pradesh Power

States	Companies
	Corporation Limited, Four Distribution companies – Madhyanchal Vidyut Vitaran Nigam Limited (MVVNL), Poorvanchal Vidyut Vitaran Nigam Limited (PoVVNL), Pashchimaanchal Vidyut Vitaran Nigam Limited (PVVNL), Dakshinanchal Vidyut Vitaran Nigam Limited (DVVNL)
Uttaranchal	One Generation company - Uttaranchal Jal Vidyut Nigam Limited, One Transmission company - Power Transmission Corporation of Uttaranchal Limited One Distribution company - Uttaranchal Power Corporation Limited
West Bengal	Vertically integrated Utility; West Bengal Power Development Corporation Limited is also in Generation; Private companies in Distribution – Calcutta Electricity Supply Company Ltd (CESC Ltd.) and Dishergarh Power Supply Company Limited (DPSCL).
Nagaland	Electricity Departments
Meghalaya	Vertically integrated utility
Mizoram	Vertically integrated utility
Manipur	Electricity Department
Tripura	Electricity Department
Sikkim	Electricity Department

The process of Reforms continues with the State/Central Government enforcing the same through the legislative and administrative directives.