

## Department of Industrial and Management Engineering Indian Institute of Technology Kanpur



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# TARIFF REVISION AND TARIFF ADEQUACY

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#### **Distribution Sector Scenario**

Average Cost of Supply, Average Revenue Realized and Gap for utilities selling power directly to consumers

	2006-07	2007-08	2008-09
Average Cost of Supply (ACS)	2.75	2.93	3.41
Average Revenue Realized (ARR) (on subsidy received basis)	2.49	2.65	2.91
Gap on subsidy received basis * (National average)	0.26	0.28	0.50

<sup>\*</sup> Ranges from Rs 1.94 for AVVNL (Rajasthan) to Rs (-) 0.24 in Sikkim (Power Department)

Gap= ACS- ARR

Source: PFC



#### **Distribution Sector Scenario**

**Deficit as % of Sales (Excluding subsidies)** 

Year	No of Utilities	DEFICIT AS % OF SALES (Excluding subsidies)
2005-06	42	22.09
2006-07	34	25.11
2007-08	32	19.26
2008-09	24	32.48

- Tariff increase is only 6.95%, Whereas Cost of Power Purchase rise is 11.90% (From 2005-06 to 2008-09)
- Minimum tariff rise required to breakeven is 19.43% (2008-09 CONDITIONS), after the AT&C losses are brought to 15%.

Source: CAG OBSERVATIONS

(Report - ISSUES IMPACTING FINANCIAL PERFORMANCE OF POWER DISTRIBUTION

ÙTILITIES IN INDIA)



### **Distribution Sector Scenario**

% OF Grant/Subsidy to SALES (Exclusive of subsidy)

Year	No of Utilities	% OF GRANT/SUBSIDY TO SALES (Exclusive of subsidy)
2005-06	42	11.44
2006-07	34	11.50
2007-08	32	12.95
2008-09	24	16.30

Source: CAG OBSERVATIONS

(Report - ISSUES IMPACTING FINANCIAL PERFORMANCE OF POWER

**DISTRIBUTION UTILITIES IN INDIA)** 



## Tariff Revision and Tariff Adequacy in States

#### **Key Issues**

- Increase in Revenue Gap due to
- · Absence of tariff revision and
- · SERCs try to avoid giving tariff shock to consumers
- Revenue gap is bridged through creation of Regulatory Assets/Subsidies/Tariff hike
- Delay in tariff filing or Non filing of tariff petition by Distribution licensee. A Few SERCs have issued suo-motu Tariff orders.
- Delay in issuance of Tariff orders due to delay in filing or delay in furnishing data by the licensee.
- True-up petitions are not being filed by utilities on account of non finalization of audited accounts for the year.
- Fuel Surcharge Adjustment: Select states have provided for FSA in regulations or in tariff orders. In most of the states the process of approval of such charges takes a long time and adjusted during the true up exercise



## FOR- Financial Viability Study

- Objective- To carry out an estimate on the deviation of tariffs vis-à-vis cost of supply based on the various factors attributable to such deviation.
- States selected for the study- Haryana, Madhya Pradesh, Uttar Pradesh, Maharashtra, Punjab, Orissa, Rajasthan, West Bengal, Karnataka, Tamil nadu.

#### Findings of the study

- Tariffs have not been increasing vis-à-vis the increase witnessed in the cost of supply.
- Requirement of increase in tariff is primarily on account of increase in power purchase cost and certain inflationary impact on other input costs
- Time lag in tariff change (including true-up exercise) is impacting the finances of the utility leading to higher working capital requirement and accumulation of financial losses that are required to be recovered through tariff increase.

## FOR- Financial Viability Study

#### Findings of Financial Viability

#### Reason for Revenue Gap in states:

- Non revision of tariff in the states.
- Shortfall and delay in subsidy disbursements by the State Government.
- Regulatory Asset has been created by the SERC in an effort to bridge the gap in tariffs
- Increase in short term loans.
- The actual loss levels of the DISCOMs are higher than the approved loss levels.
- Absence of True-up mechanism in the state.
- Disallowance of interest cost on short-term borrowings for meeting the revenue deficit of previous year and carrying cost for time lag involved in recovery of FSA and regulatory assets.



## FOR- Financial Viability Study

#### Tariff increase required in various states for Break even

State	% gap in tariff vis- a-vis costs	Year
Haryana	10%	2009-10
Madhya Pradesh	16.44%	2007-08
Uttar Pradesh	29.%	2008-09
Rajasthan	37%	2007-08
Karnataka	22.37%	2008-09
Tamil Nadu	39.44%	2010-11

Source: FOR Study









