

**PRESENTATION ON COS  
APPROACH  
BY  
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## Present WBSEDCL scenario:

- ❖ ACoS prepared for all consumers as a whole as accounting of costs are not done on a class/ category/ voltage basis.
- ❖ Many costs are allocated to all category for the benefit of larger group of customers.
- ❖ Consumption mix (both voltage and category wise) has deteriorated over past few due to various electrification scheme.
- ❖ Socio-politico-economic condition of the state has necessitated more than 30 nos consumer categories.

## Sharing of Annual Consumption

Voltage of Supply	Total Consumption	% of sharing
	MU	
Below 11 KV	17360	62.72
11 KV	4863	17.57
33 KV	2945	10.64
132 KV	2510	9.07
<b>Total</b>	<b>27678</b>	<b>100.00</b>

Type of Consumer	Total Consumption	% of sharing
	MU	
Domestic	10876	39.29
Commercial	4153	15.00
Industrial	8566	30.95
Agriculture	1515	5.47
Traction	1128	4.08
Others	1440	5.20
<b>Total</b>	<b>27678</b>	<b>100.00</b>

## Requirement for CoS approach:

- ❖ Allocation of total costs to each class/category of consumer or each voltage class.
- ❖ Measurement of Distribution loss to each class/category of consumer or each voltage class.

# Tariff on Cost to Serve

- **Supply voltage wise:** Tariff fixed on actual cost of supply at different voltage level
- **Consumer category wise:** Tariff fixed on actual cost of supply for different category of consumer.

# Supply voltage wise cost to serve

- **Requirement:**

- **Distribution loss at different voltage level- requires 100% metering at all voltage level**
- **Variable cost at different voltage level- considering pool cost of power.**
- **Allocation of fixed cost at different voltage level- determination of actual fixed cost at different voltage level is difficult due to non availability of precise and detailed data**

- **Suggestion:**

**Some methodology may be adopted through regulatory mechanism for allocation of fixed cost at different voltage level.**

- **Effects:** **Tariff structure just reverse and consumer at lower voltage will face tariff shock unless subsidized.**

# Consumer category wise cost to serve

- **Requirement:**

- **Distribution loss for different category of consumer-  
Difficult to measure**

- **Variable cost for different category of consumer-  
considering pool cost of power.**

- **Allocation of fixed cost for different category of consumer**

**Determination of actual cost and distribution loss for different consumer category is difficult due to:**

**(1) Consumers of different category is fed through same voltage feeders using same infrastructure & manpower**

**(2) Non availability of precise and detailed data**

**Not a feasible solution**

**THANK YOU**