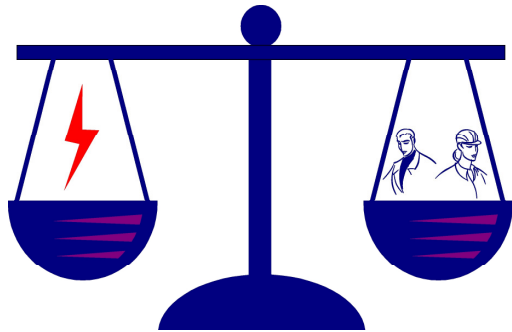


FORUM OF REGULATORS (FOR)



STATUS REPORT

ON

“ISSUES PERTAINING TO TARIFF POLICY”

2007-08

FORUM OF REGULATORS (FOR)

Sectt: C/o Central Electricity Regulatory Commission (CERC)

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1. Return on Equity***Provision in Tariff Policy :******5.3 (a) Return on Investment***

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The Central Commission would notify, from time to time, the rate of return on equity for generation and transmission projects keeping in view the assessment of overall risk and the prevalent cost of capital which shall be followed by the SERCs also. The rate of return notified by CERC for transmission may be adopted by the State Electricity Regulatory Commissions (SERCs) for distribution with appropriate modification taking into view the higher risks involved. For uniform approach in this matter, it would be desirable to arrive at a consensus through the Forum of Regulators.

S. No.	SERC	RoE %	Summary
1.	APERC	14	The Commission has adopted ROCE instead of ROE in Tariff Order 2006-07.
2.	AERC	14	The Commission approved a ROE of 3% in the TO 2006-07. In TO 2007-08, 14% ROE for AEGCL, 14% ROE for KLHEP & 7% for LTPS and NTPS stations of APGCL and 7% ROE for LAEDCL, CAEDCL & UAEDCL were allowed.
3.	BERC	14	The Commission has provided ROE @ 14% for Transmission and Distribution Licensee in the relevant regulations.
4.	CSERC	14	Notified in T&C of Tariff on 01-03-06(RoE as per CERC)
5.	DERC	14	With the notification of the DERC MYT Regulations for the Control Period 2007-11, the Discoms are entitled to Return on capital employed. Equity is allowed upto a maximum of 30% and RoE is prescribed at 14%.
6.	GERC	14	In the Tariff Orders for 2007-08 dated 31/03/07 the Commission allowed ROE @ 7% for Distribution Companies, @10% for Transmission Company and @ 13% for Generation Company. For Torrent Power Ltd this was allowed @ 14%.
7.	HERC	N/A	No claims by Discoms, the Commission is continuing with Return on Capital Base as the Capital Base is negative, no return on capital base has been allowed.
8.	HPERC	16	The Commission has approved RoE to the generation, Transmission and Distribution businesses at the rate of 14%,14% and 16% respectively, in accordance with its Multi Year Tariff Regulations, published in October, 2007.
9.	JSERC	14	The commission has decided on ROE @ 14%
10.	J&KSERC	14	The commission has decided to give ROE @ 14%

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11.	KERC	14	The Commission has specified RoE of 14% for the Licensees in the State.
12.	KSERC	14	Commission has decided on RoE 14% and order issued.
13.	MPERC	14	14% for Transmission, Generation and Retail supply Tariff.
14.	MERC	16	Distribution Licensee is allowed a post-tax return at the rate of 16 per cent per annum, in Indian Rupee terms, on the amount of approved equity capital Transmission Licensee is allowed a post-tax return at the rate of 14 per cent per annum, in Indian Rupee terms, on the amount of approved equity capital Generation Company is allowed a post-tax return at the rate of 14 per cent per annum, in Indian Rupee terms, on the amount of approved equity capital.
15.	MsERC	14	The MsERC has used 14% return on equity.
16.	OERC	16	ROE @ 16%. ROE linked to RBI bank rate plus a margin for investment risk in power sector.
17.	PSERC	14	RoE is allowed by the Commission as per CERC norms.
18.	RERC	14	RoE prescribed as per rate specified by CERC. Presently, state owned companies are not claiming any RoE except the new power plants.
19.	TNERC	14	RoE notified in the T&C of tariff. The commission is considering to adopt ROCE
20.	TERC	N/A	As the transfer scheme is under finalization, the exact percentage of return on equity not yet pegged. However, it is likely to be between 14-16%.
21.	UERC	14	RoE notified on 14.05.2004 for generating companies, 15.06.2004 for distribution licensee and 25.08.2004 for transmission licensee with a Debt:Equity ratio of 70:30. In certain cases where equity is less than 30% the said actual equity is considered for tariff determination.
22.	UPERC	16	RoE for State Generators and Transmission licensee is 14% and 16% for Discoms.
23.	WBERC	15	For Distribution Licensee ROE is 15%. For other area of electricity segment, it is 14% except for hydro where there is a scope of additional ROE upto 4% more than what has been provided for in the behalf by the CERC depending on certain criteria.

2. Depreciation Rates

Provision in Tariff Policy :

5.3 (c) Depreciation

The Central Commission may notify the rates of depreciation in respect of generation and transmission assets. The depreciation rates so notified would also be applicable for distribution with appropriate modification as may be evolved by the Forum of Regulators.

<u>S. No.</u>	<u>SERC</u>	<u>CERC Rates</u>	<u>Suggestions for separate Depreciation Rates</u>
1.	APERC	FOIR rates adopted	Adopted Ministry of Power depreciation rates.
2.	AERC	Adopted	Adopted CERC depreciation rates. Adheres to AAD arrangement notified by CERC.
3.	BERC	Adopted	CERC rates adopted in tariff order 2006-07.
4.	CSERC	Adopted	CERC rates adopted.
5.	DERC		Depreciation shall be calculated for each year of the Control Period (2007-11) on the amount of original cost of the fixed assets considered for calculation of Regulated Rate Base (RRB) for the corresponding year. Depreciation for each year of the Control Period shall be calculated annually based on straight line method over the useful life of the asset. The base value for the purpose of depreciation shall be the original cost of the asset. The residual value of assets shall be considered as 10% and the depreciation shall be allowed to a maximum of 90% of the original cost of the asset.
6.	GERC	Adopted	CERC depreciation rates are adopted.
7.	HERC	Adopted	To the transmission licensee and generation company depreciation including Advance Against Depreciation is being allowed as per the depreciation rates and other terms and conditions as notified by CERC.
8.	HPERC	Not Adopted Completely	In the MYT Regulations, the Commission has followed the CERC norms for calculations of depreciation. HPSEB, being bundled utility presently does not have assets-wise details but efforts are being made by the utility to complete asset register through GIS mapping. Presently, the Commission is allowing depreciation linked to Gross Fixed Assets (GFA). With the availability of the asset-wise details, the Commission will be following the CERC norms.

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9.	JSERC	Adopted	CERC depreciation rates adopted.
10.	J&KSERC	Adopted	CERC depreciation rates have been adopted.
11.	KERC	Adopted	The Commission has adopted the depreciation rates as per CERC .KERC favors separate rates for distribution to be evolved but, no suggestion is given.
12.	KSERC	Adopted	Depreciation rates approved by CERC adopted for Generation, Transmission & Distribution.
13.	MPERC	FOIR rates Adopted	The commission has followed the CERC specified depreciation rates in respect to Generation and Transmission. The transmission rates are also being followed for Distribution Tariff.
14.	MERC	Adopted	Depreciation of fixed assets used in the Generation, Transmission, and Distribution Business is computed in the following manner: (a) The approved original cost of such project/ fixed assets shall be the value base for calculation of depreciation; (b) Depreciation shall be computed annually based on the straight line method with regard to the useful life of the asset at the rates specified in the Annexure to these Regulations: Provided that the residual value of the asset shall be considered at 10 per cent of the allowable capital cost and depreciation shall be allowed up to a maximum of 90 per cent of the allowable capital cost of the asset: Provided further that depreciation shall not be permitted on land and the value of land shall be excluded from the allowable capital cost for the purpose of calculation of depreciation.
15.	MsERC	Adopted	Depreciation on fixed assets has been accepted at rates prescribed by the CERC.
16.	OERC	Not Adopted	OERC has adopted a weighted average of 3.67% in RSTO 24-06-03. OERC has been directed by High Court to depreciation rates calculated for assets in accordance with the state Governments, DoE notification no. 1068/E dt. 29-01-03 & at pre-1992 norms as notified by GoI.
17.	PSERC	Not adopted	PSEB continue as an integrated Utility. Depreciation is allowed based on straight line method up to 90% of the cost of asset. The rates of depreciation allowed are as notified by Govt. of India in 1994.
18.	RERC	Adopted	CERC rates adopted.

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19.	TNERC	Adopted	CERC rates adopted, but suggests separate rates for distribution assets based on different useful life period to be fixed for meter of different type in distribution network. The straight line method (SLM) is followed.
20.	TERC	N/A	As the accounts not yet completed, Commission is allowing ad-hoc depreciation for the purpose of fixing AAR. As in the State, Generation, Transmission & Distribution all are in one basket; we would follow same data that of CERC for generation, transmission & for distribution work out a percentage as being followed in other States.
21.	UERC	Adopted	CERC specified rates are adopted by the UERC
22.	UPERC	Adopted	For Distribution Licensee: Under the Terms and Conditions for Determination of Distribution Tariff Regulations, 2006, the Commission has adopted the same depreciation rates as specified by MoP vide notification No. S.No. 265(E) dated 27 th March, 1994. For Generation Licensee: The Commission has adopted CERC depreciation rates along with AAD. For Transmission Licensee: at rates specified by CERC in its Regulations.
23.	WBERC	Adopted	CERC rates adopted.

3. Implementation of Intra-state ABT

Provision in Tariff Policy :

6.2 Tariff structuring and associated issues

According to National Electricity Policy, the Availability Based Tariff (ABT) is to be introduced at State level by April 2006. This framework would be extended to generating stations (including grid connected captive plants of capacities as determined by the SERC).

S. No.	SERC	<u>Intra-state ABT</u>	<u>Summary</u>
1.	APERC	Not notified	Action is being taken to provide 0.2 class meters with ABT features and online data transfer facility at all Generating stations in the first instance.
2.	AERC	Not Notified	To be Notified, SLDC operates as per requirements of Inter State ABT. LDC yet to be established. Frequency based meters are in the process of installation in all inter-connected points of utilities.
3.	BERC	Not Notified	BSEB still continues to be vertically integrated utility handling generation, transmission and distribution of electricity. However discussion paper in intra-state ABT is under process.
4.	CSERC	Not Notified	Orders not issued reason being Board not restructured & no urgency.
5.	DERC	Notified	The Intra-State ABT has been implemented in the NCT of Delhi w.e.f. 1-4-2007. Rates for inter-discom transfer of Power were ordered separately.
6.	GERC	Order Issued on 11-08-06	Commission had a trial Mock run exercise. Tech up-gradation is almost complete through consultancy assignment to POWERGRID
7.	HERC	Not notified	The Commission has initiated discussion and has directed the State Transmission Utility to submit a road map for introduction of Intra-State ABT in Haryana.
8.	HPERC	Not notified	The SEB is still not unbundled. However the matter is being examined and a draft concept paper has been circulated to the utility for initiating the process.
9.	JSERC	Not Notified	A draft has been circulated calling for comments.
10.	J&KSERC	Not Notified	Technology upgrades matching facilities to that of

			RLDC is available but no reasons is specified on the constraints in implementing Intra-state ABT.
11.	KERC	Notified	Order for implementation of ABT issued on 26.12.2006. Proxy implementation of ABT started in January 2007.
12.	KSERC	Not Notified	As of now the State Electricity Board has not been unbundled.
13.	MPERC	Not Notified	<p>The status on various activities for implementation of Intra State ABT is given below:</p> <p>(i) <u>Providing Connectivity to Genco and Discoms</u> – The Discoms Control Centres and Generation Control Centre have been established and the basic infrastructure is provided.</p> <p>ii) <u>Training</u>: - The SLDC has structured the training programme. The Discoms and Genco Officers have been given the training w.r.t. preparation of schedule and maintaining data of energy drawal. The draft Balancing and Settlement Code (BSC) is under finalization. The training on BSC will be taken up after notification of BSC.</p> <p>(iii) <u>Procurement</u> – Procurement of ABT compliant meters is complete.</p> <p>(iv) <u>Installation</u> of ABT compliant 611 No. meters is complete.</p> <p>(v) Procurement of ABT based Energy Accounting Software:- Completed</p> <p>(vi) Customization of software will be completed after notification of BSC.</p>
14.	MERC	May 17, 2007	<p>The intra-State ABT mechanism was expected to be in operation from April 1, 2008. However, due to the delay in installation of the intra-State ABT compatible meters and related software by the STU (MSETCL), the implementation of the same stands deferred.</p> <p>Imbalance Pool settlement</p> <p>The Interim Imbalance pool settlement system for settling the monthly Imbalance pool charges for Increments and decrements done to the State Power pool by the Utilities in the State is in place. The pool volume is based on monthly meter readings taken</p>

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			at the critical interface points and the pool value is arrived at on the basis of weighted average Marginal costs paid by the respective pool incrementors.
15.	MsERC	Not Notified	Not introduced.
16.	OERC	14-02-2008	Intra state ABT Regulations has been notified.
17.	PSERC	Not Notified	PSEB is an integrated utility. Intra State ABT would be considered after unbundling of the utility.
18.	RERC	Notified	Intra State ABT being implemented by the utilities w.e.f. 01.04.2008.
19.	TNERC	Not Notified	Draft concept paper has prepared and circulated to stake holders. TNEB not yet unbundled.
20.	TERC	Not Notified	The State has total business of electricity (generation, transmission & distribution) in one Corporate body already formed after Corporatization of Electricity Department. The Intra-state ABT has been implemented.
21.	URC	Order Issued; on 04-01-05	Direction was issued on 04.01.2005 for completing the requirement for intra-state ABT by 01.11.2005.
22.	UPERC	Not Notified	UPPCL has submitted a proposal for allocation of source-wise generating capacity to the State govt. The Commission has accepted the allocation for implementation of ABT. First Phase of ABT shall be from 1 st December, 2007 and second from 1 st April, 2008 as per order dated 24/25 September 2007 subsequent Phase shall be decided on a petition to be filed by STU. It has been decided to implement ABT in phases. Orders to be issued in this matter.
23.	WBERC	Notified	Already implemented with effect from 01.01.2008.

4. TOD Tariff

Provision in Tariff policy:

6.2 Tariff structuring and associated issues

.....
The Appropriate Commission may also introduce differential rates of fixed charges for peak and off peak hours for better management of load.

S. No.	SERC	TOD Introduced	Summary
1.	APERC	No	Not yet introduced.
2.	AERC	Yes	Introduced TOD tariff for Industries (HT, HT-I & HT-II), Tea, Coffee, Rubber, Oil & Coal. TOD meters installed in all notified categories.
3.	BERC	No	Introduction of TOD will be considered in next year Tariff Order.
4.	CSERC	Yes	ToD compulsory for all HT industries as per tariff order for 07-08.
5.	DERC	No	Pilot study for implementation on voluntary basis is being undertaken.
6.	GERC	Yes	For HT consumers having contracted load 500kVA & above. Exclusive Night use tariff for HT (contracted load 100kVA & above). Night Time consumption rebate for LT water works.
7.	HERC	No	HERC has sought data for the consumer categories having TOD meters. It is under examination of the Commission.
8.	HPERC	Yes	TOD tariff started for LS in 2001-02. Implemented for all categories except Domestic and Agriculture consumers having connected load greater than 20KW.
9.	JSERC	Yes	TOD introduced in TO 2006-07 for HT and HTSS consumers. HT consumers can avail TOD tariff under which power in off peak periods will be charged at 89.47% of normal tariff and power in peak periods will be charged at 114.47% of normal tariff. HTSS consumers can avail TOD tariff under which power in off peak periods will be charged at 90.38% of normal tariff and power in peak periods will be charged at 115.38% of normal tariffs.
10.	J&KSERC	No	Introduction of TOD tariff to be considered in the 1st issue of Tariff Order by the Commission.
11.	KERC	Yes	ToD tariff is optional for LT & HT industries and for

			HT water supply.																						
12.	KSERC	Yes	TOD Tariff made mandatory for all HT & EHT consumers. LT TOD Tariff under consideration.																						
13.	MPERC	Yes	(a) TOD tariff is applicable to all HT consumers except Railways, coal mines, irrigations, public water works and bulk supply exemptees till Year 07-08. (b) TOD surcharge of 15% on energy charges for four hours (06.00 PM to 10.00 PM) & rebate of 7.5% on energy charges for eight hours (10.00 PM to 06.00 AM next day) is applicable in the tariff for FY 07-08.																						
14.	MERC	Yes	TOD Tariff applicable to all HT consumers (excluding HT Agriculture). In LT category TOD tariff is applicable for LT- Industrial consumers. Base energy charge for various HT categories and LT category of MSEDCL for whom TOD tariff is applicable are as under:																						
			<table border="1"> <thead> <tr> <th>Category</th> <th>Base Energy Charge in Paise/kWh</th> </tr> </thead> <tbody> <tr> <td>H.T- I Industries</td> <td></td> </tr> <tr> <td> Continuous</td> <td>310</td> </tr> <tr> <td> Non-Continuous</td> <td>340</td> </tr> <tr> <td>HT-II Seasonal Industry</td> <td>435</td> </tr> <tr> <td>H.T.-IV Public Water Works</td> <td></td> </tr> <tr> <td> Express Feeders</td> <td>300</td> </tr> <tr> <td> Non Express Feeders</td> <td>320</td> </tr> <tr> <td>L.T.-V Industrial</td> <td></td> </tr> <tr> <td> 0-20 kW (upto & including 27 HP)</td> <td>300</td> </tr> <tr> <td> Above 20 kW (above 27 HP)</td> <td>400</td> </tr> </tbody> </table>	Category	Base Energy Charge in Paise/kWh	H.T- I Industries		Continuous	310	Non-Continuous	340	HT-II Seasonal Industry	435	H.T.-IV Public Water Works		Express Feeders	300	Non Express Feeders	320	L.T.-V Industrial		0-20 kW (upto & including 27 HP)	300	Above 20 kW (above 27 HP)	400
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			<table border="1"> <thead> <tr> <th>Time Slot</th> <th>Revised ToD tariff (w.r.t. base tariff) Paise/kWh</th> </tr> </thead> <tbody> <tr> <td>2200 hrs - 0600 hrs</td> <td>-(85)</td> </tr> <tr> <td>0600 hrs - 0900</td> <td>0</td> </tr> <tr> <td>0900 hrs - 1200 hrs</td> <td>80</td> </tr> <tr> <td>1200 hrs - 1800 hrs</td> <td>0</td> </tr> <tr> <td>1800 hrs - 2200 hrs</td> <td>110</td> </tr> </tbody> </table>	Time Slot	Revised ToD tariff (w.r.t. base tariff) Paise/kWh	2200 hrs - 0600 hrs	-(85)	0600 hrs - 0900	0	0900 hrs - 1200 hrs	80	1200 hrs - 1800 hrs	0	1800 hrs - 2200 hrs	110										
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15.	MsERC	No	Not introduced.																						
16.	OERC	Yes	The Commission has accepted the principle of Time of Day Tariff since 01.04.2005 providing a rebate @ 10 paise per unit on consumption during the off-peak hours.																						

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17.	PSERC	No	Large supply consumers pay extra charges for usage of electricity during peak hours. It is not considered feasible to allow discount for night use of electricity as there is no surplus power with the utility.
18.	RERC	No	The Commission has directed the Discoms to include the concept of TOD tariff in the next tariff petition for the consumers having contract demand of 1500 KVA or more to begin with.
19.	TNERC	Yes	<ul style="list-style-type: none">▪ TOD tariff introduced & meters have been installed with incentives and disincentives for peak & off-peak hour for all HT industrial consumers.▪ 20% extra on the energy charges for the energy recorded during peak hours and the duration for peak hours shall be 6am to 9am and 6pm to 9pm.▪ Reduction of 5% on the energy charges as incentive for off peak hour consumption ie. Consumption during 22 hrs. to 0500 hrs. (night consumption)▪ TNEB has been directed to submit data on TOD consumption along with the subsequent tariff application for all the consumers where TOD meters have been installed.
20.	TERC	Yes	For the purpose of attracting the differential tariff rate, the general provision has been kept in the Tariff Order costing differently for the peak hours (6 hours) and off peak hours (6 hours). Industry is yet to response to this TOD tariff mechanism..
21.	UERC	Yes	TOD introduced for all industrial and non-domestic consumers having load more than 25kW.
22.	UPERC	Yes	TOD rates were first introduced for large and Heavy Power Consumers in the Tariff Order 2002-03. In the Tariff Order for FY 2006-07 the off peak TOD rebate has been increased from (-)5% to (-)7.5% whereas peak TOD rates have been lowered from 20% to 15%.
23.	WBERC	Yes	Applicable to those who are under two part tariff i.e., Industrial, Public Utilities, Commercial & Agricultural. Generation tariff is also on ToD based system.

5. Renewable Source of Energy

Provision in Tariff policy:

6.4 Non-conventional sources of energy generation including Co-generation:

(1) Pursuant to provisions of section 86(1)(e) of the Act, the Appropriate Commission shall fix a minimum percentage for purchase of energy from such sources taking into account availability of such resources in the region and its impact on retail tariffs. Such percentage for purchase of energy should be made applicable for the tariffs to be determined by the SERCs latest by April 1, 2006.

<u>S. No.</u>	<u>SERC</u>	<u>Tariff</u>	<u>Power Procured From Renewables (%)</u>																
1.	APERC	<p>Wind- Rs 3.37/KWh with 5% simple escalation.</p> <p>Small Hydro- Rs. 2.60/KWh for the 1st year, which reduces by Rs. 0.08/KWh every year till the 10th year.</p> <p>Bagasse based Co generation- Fixed cost Rs. 1.72/KWh in 1st year reducing to Rs. 0.90 in 10th year + variable cost Rs. 1.02 in 2004-05 escalating to Rs. 1.24 in 2008-09.</p> <p>Biomass- Fixed cost Rs. 1.61/KWh in 1st year decreasing to Rs. 0.87 in 10th year. The variable cost for 2004-05 Rs. 1.27 escalating to Rs. 1.54 in 2008-09.</p>	For FY '08-09 = 5.0%																
2.	AERC	<p>Tariff Orders for two Renewable Power Projects issued. These are,</p> <p style="text-align: center;">(1) 2.22 MW Champamati Mini Hydro Project :</p> <p>The year wise tariff for 35 years along with the levelised tariff for the project is as shown below:-</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th><u>Year</u></th> <th><u>Tariff (Rs/unit)</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.76</td> <td rowspan="6" style="text-align: center; vertical-align: middle;">Levelised Tariff Rs. 3.19</td> </tr> <tr> <td>2</td> <td>3.72</td> </tr> <tr> <td>3</td> <td>3.53</td> </tr> <tr> <td>4</td> <td>3.47</td> </tr> <tr> <td>5</td> <td>3.26</td> </tr> <tr> <td>6</td> <td>2.98</td> </tr> </tbody> </table>	<u>Year</u>	<u>Tariff (Rs/unit)</u>		1	3.76	Levelised Tariff Rs. 3.19	2	3.72	3	3.53	4	3.47	5	3.26	6	2.98	5% as per draft notification
<u>Year</u>	<u>Tariff (Rs/unit)</u>																		
1	3.76	Levelised Tariff Rs. 3.19																	
2	3.72																		
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7	2.65
8	2.31
9	2.34
10	2.36
11	2.61
12	2.64
13	2.67
14	2.7
15	2.73
16	2.9
17	2.94
18	2.98
19	3.02
20	3.07
21	3.11
22	3.16
23	3.21
24	3.26
25	3.32
26	3.37
27	3.43
28	3.49
29	3.56
30	3.62
31	3.69
32	3.76
33	3.84
34	3.92
35	4.00

(2) 10 MW Biomass Based Power Project :

The Commission calculated the tariff for a period of 10 years from the initial date of commercial operation but decided to limit the same for a period of 5 years due to uncertainty in fuel price. The tariff for 5 years are as below:-

<u>Year</u>	Fixed charge	Energy charge	Total charge
-------------	--------------	---------------	--------------

		(Rs/unit)	(Rs/unit)	(Rs/unit)	
		1	1.44	1.57	3.01
		2	1.37	1.65	3.02
		3	1.31	1.73	3.04
		4	1.24	1.82	3.06
		5	1.17	1.91	3.08
3.	BERC	No			Concept paper for determination of tariff for renewable sources is circulated for comments /suggestions.
4.	CSERC	(1) Biomass plants - Rs.2.96 to 3.24 per unit (provisions for review after 5 yrs) as per order dated 15/01/08 (2) Tariff Order issued for small hydro generating stations.			5% from for all renewable energy sources as per order dated 15/01/08
5.	DERC	No			In the recent MYT order, each Distribution licensee has been advised to achieve 1% of their total power purchase from renewable sources.
6.	GERC	Wind - Rs.3.37/unit (fixed for 20 yrs) Bagasse based Cogen plants-Rs. 3.00/unit Biomass gasification based plants-Rs. 3.08/unit Mini Hydro plants – Rs3.29/unit			For FY '06-07 = 1% & FY '07-08 = 1% For FY 08 – 09 – 2%
7.	HERC		Tariff (Rs/KWh) (For base year FY 2007-08)	Annual escalation from 2008-09	3% for 2007-08
		Wind	4.08	1.50%	
		Mini Hydel (Upto 2MW)	3.67	1.50%	
		Biomass	4	2.00%	
		Bagasse (Co-generation)	3.74	2.00%	
8.	HPERC	Small Hydro : Rs. 2.87/KWh (Levelised) for			20% from SHPP.

		the 40 years of commercial operation															
9.	JSERC	Not determined			Not yet fixed. For use of solar water heater by commercial consumers a rebate has been provided in Tariff Order 2006-07 for JSEB.												
10.	KERC	(1) Mini hydel – Rs.2.80/unit, without escalations (2) Wind – Rs.3.40/unit, without escalations (3) Biomass – Rs.2.85/unit, with 2% simple annual escalations. (4) Co-gen – Rs.2.80/unit, with 2% simple annual escalations.			As per the amended Regulation the maximum limit of 10% has been removed and only a minimum limit has been fixed for each of the Discom as follows:: BESCOM, ESCOM & CESC... 10% HESCOM, & GESCOM and Hkeri Society 7.00%.												
11.	KSERC	Wind : Rs. 3.14 (Levelised) Small Hydro : Rs. 2.44 (Levelised)			Up to 5%												
12.	MPERC	i) Wind: The Tariff order dated 11.06.2004 for a period of three year had already been issued. Tariff order for the control period from 21-11-2007 to 31.03.2012 was issued on 21.11.2007 ii) Bio Mass – Tariff order for the control period from 07.08.2007 to 31.03.2012 was issued on 07.08.2007			The Commission has fixed a target for each Distribution licensee at the rate of 10% of his annual consumption in his area of supply, subject to availability as the minimum purchase requirement from all non conventional sources of energy												
13.	MERC	<table border="1"> <thead> <tr> <th>NCE Source</th> <th>Variable charges (Rs./kWh)</th> <th>Escalation</th> </tr> </thead> <tbody> <tr> <td>Bagasse based Cogeneration</td> <td>Rs. 3.05 (Rs./kWh)</td> <td>2 % per annum for 13 years</td> </tr> <tr> <td>Wind Energy</td> <td>Rs.3.50 (Rs./kWh)</td> <td>Rs.0.15/unit per annum</td> </tr> <tr> <td>Small Hydel</td> <td>Rs.2.84 (Rs./kWh)</td> <td>Rs.0.03 per annum for</td> </tr> </tbody> </table>	NCE Source	Variable charges (Rs./kWh)	Escalation	Bagasse based Cogeneration	Rs. 3.05 (Rs./kWh)	2 % per annum for 13 years	Wind Energy	Rs.3.50 (Rs./kWh)	Rs.0.15/unit per annum	Small Hydel	Rs.2.84 (Rs./kWh)	Rs.0.03 per annum for	Target percentage for RE procurement under RPS regime for FY 2007-08 has been specified at 4% of energy input by distribution licensee, as stipulated in the Commission’s Order on Renewable Purchase Specification (RPS) dated		
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				13 years	August 16, 2006 in Case 6 of 2006
		Biomass	Rs. 3.04 (Rs./kWh)	2% per annum for 13 years	
14.	MsERC	Not notified			
15.	OERC	Not determined			3% of total power purchase during FY 07-08 to go up @ 0.5% per annum for each subsequent year to reach a level of 5% by FY 2011-12
16.	PSERC	<p>a) Mini/Micro Hydel Projects - Rs. 3.49 per unit (Base Year 2006-07) with five annual escalations @ 3% upto 2011-2012. Tariff rate for 2007-08 was 359 Paise/Unit.</p> <p>b) Baggasse/ Biomass Cogeneration Projects- Rs. 3.49 per unit (Base Year 2006-07) with five annual escalations @ 3% upto 2011-2012. Tariff rate for 2007-08 was 359 Paise/Unit.</p> <p>c) Biomass Power Projects - Rs. 3.49 per unit (Base Year 2006-07) with five annual escalations @ 5% upto 2011-2012. Tariff rate for 2007-08 was 366 Paise/Unit.</p> <p>d) Power Generation from Urban, Municipal and Industrial Liquid/ Solid Waste - Rs. 3.49 per unit (Base Year 2006-07) with five annual escalations @ 5% upto 2011-2012. Tariff rate for 2007-08 was 366 Paise/Unit.</p> <p>e) Power generation from Solar Energy - Rs. 7.00 per unit (Base Year 2006-07) with five annual escalations @ 5% upto 2011-2012. Tariff rate for 2007-08 was 735 Paise/Unit.</p> <p>f) Wind Power Projects- Rs. 3.49 per unit (Base Year 2006-07) with five annual escalations @ 5% upto 2011-2012. Tariff rate for 2007-08 was 366 Paise/Unit.</p>			Regulations issued.

17.	RERC	<p>Tariff for Wind Power: For Jaisalmer, Barmer & Jodhpur District: Levelised tariff of Rs. 3.60 at 33KV or 11 KV and 3.71/KWh at EHV for 20 years at 10.6% discount factor. For other Districts: Levelised tariff of Rs. 3.78 at 33KV or 11 KV and Rs. 3.89/KWh at EHV for 20 years at 10.6% discount factor. Bio-Mass: Levelised tariff of Rs. 4.17/KWh for water cooled and Rs. 4.55/KWh for air cooled plants for 20 years at 10.6% discount factor.</p>	<p>Renewable Energy purchase obligation:</p> <table border="1" data-bbox="1128 226 1498 489"> <thead> <tr> <th>Year</th> <th>Wind</th> <th>Bio-Mass</th> </tr> </thead> <tbody> <tr> <td>2006-07</td> <td>2%</td> <td>5%</td> </tr> <tr> <td>2007-08</td> <td>4%</td> <td>6%</td> </tr> <tr> <td>2008-09</td> <td>5%</td> <td>7%</td> </tr> <tr> <td>2009-10</td> <td>6%</td> <td>7.5%</td> </tr> <tr> <td>2010-11</td> <td>6.75%</td> <td>8%</td> </tr> <tr> <td>2011-12</td> <td>7.5%</td> <td>8.5%</td> </tr> </tbody> </table>	Year	Wind	Bio-Mass	2006-07	2%	5%	2007-08	4%	6%	2008-09	5%	7%	2009-10	6%	7.5%	2010-11	6.75%	8%	2011-12	7.5%	8.5%
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18.	TNERC	<p>(1) Wind mills (commissioned and agreement executed prior to 15-05-06 but renegotiated after 15.5.2006) - Rs.2.75/unit. (2) Wind mills (commissioned and agreement executed after 15-05-06) – Rs.2.90/unit. (3) Biomass Plants – Rs.3.15/ unit (4) Bagasse based Cogen – Rs.3.15/unit</p>	<p>10% from Non-conventional sources</p>																					
19.	TERC	N/A	<p>The new development has been expected by the State Govt. and accordingly set up Tripura Renewable Energy Development Agency (TREDA) who is initiating various proposals.</p>																					
20.	UERC	<p>Up to 1MW – SHP normative tariff on pooled rate of CGS supply. 1MW-25MW – hydro, determined on cost plus based on regulations. Bagasse based cogeneration projects determined on cost plus based regulations. The Regulations for renewables are under review and are likely to be amended soon.</p>	<p>3.69% of total power purchase during 2007-08. Target for 2008-09 of 5%, 2009-10 of 8% and thereafter increase of 1% per annum for each subsequent year to reach a level of 10% by 2011-12. Entire 100% power from renewable sources including cogeneration</p>																					

			<p>projects are purchased ahead of the merit order.</p>																																																																																																																																																																													
<p>21.</p>	<p>UPERC</p>	<p>(a) Tariff for Biomass/Bagasse based Co-gen:</p> <table border="1" data-bbox="479 336 1079 682"> <thead> <tr> <th></th> <th colspan="5">Tariff Year</th> </tr> <tr> <th>Year of Commissioning</th> <th>2005-06</th> <th>2006-07</th> <th>2007-08</th> <th>2008-09</th> <th>2009-10</th> </tr> </thead> <tbody> <tr> <td>2005-06</td> <td>286</td> <td>289</td> <td>293</td> <td>297</td> <td>302</td> </tr> <tr> <td>2006-07</td> <td></td> <td>298</td> <td>302</td> <td>306</td> <td>310</td> </tr> <tr> <td>2007-08</td> <td></td> <td></td> <td>311</td> <td>315</td> <td>320</td> </tr> <tr> <td>2008-09</td> <td></td> <td></td> <td></td> <td>325</td> <td>329</td> </tr> <tr> <td>2009-10</td> <td></td> <td></td> <td></td> <td></td> <td>338</td> </tr> </tbody> </table> <p>(b) Mini/Micro hydel and canal based hydro plants below 25 MW:</p> <table border="1" data-bbox="479 745 1047 1858"> <thead> <tr> <th rowspan="2">Year of operation</th> <th colspan="5">Year of Commissioning</th> </tr> <tr> <th>2005-06</th> <th>2006-07</th> <th>2007-08</th> <th>2008-09</th> <th>2009-10</th> </tr> </thead> <tbody> <tr><td>1st</td><td>339.27</td><td>349.45</td><td>359.63</td><td>369.81</td><td>379.98</td></tr> <tr><td>2nd</td><td>329.09</td><td>338.96</td><td>348.83</td><td>358.70</td><td>368.58</td></tr> <tr><td>3rd</td><td>318.97</td><td>328.53</td><td>338.10</td><td>347.67</td><td>357.24</td></tr> <tr><td>4th</td><td>308.91</td><td>318.18</td><td>327.45</td><td>336.72</td><td>345.98</td></tr> <tr><td>5th</td><td>298.94</td><td>307.90</td><td>316.87</td><td>325.84</td><td>334.81</td></tr> <tr><td>6th</td><td>289.03</td><td>297.70</td><td>306.37</td><td>315.04</td><td>323.72</td></tr> <tr><td>7th</td><td>279.21</td><td>287.58</td><td>295.96</td><td>304.33</td><td>312.71</td></tr> <tr><td>8th</td><td>269.46</td><td>277.55</td><td>285.63</td><td>293.71</td><td>301.80</td></tr> <tr><td>9th</td><td>259.80</td><td>267.60</td><td>275.39</td><td>283.18</td><td>290.98</td></tr> <tr><td>10th</td><td>250.23</td><td>257.74</td><td>265.24</td><td>272.75</td><td>280.26</td></tr> <tr><td>11th</td><td>164.08</td><td>169.00</td><td>173.92</td><td>178.84</td><td>183.76</td></tr> <tr><td>12th</td><td>166.54</td><td>171.54</td><td>176.53</td><td>181.53</td><td>186.53</td></tr> <tr><td>13th</td><td>169.11</td><td>174.18</td><td>179.25</td><td>184.33</td><td>189.40</td></tr> <tr><td>14th</td><td>171.77</td><td>176.93</td><td>182.08</td><td>187.23</td><td>192.39</td></tr> <tr><td>15th</td><td>174.55</td><td>179.78</td><td>185.02</td><td>190.26</td><td>195.49</td></tr> <tr><td>16th</td><td>177.43</td><td>182.76</td><td>188.08</td><td>193.4</td><td>198.73</td></tr> <tr><td>17th</td><td>180.43</td><td>185.85</td><td>191.26</td><td>196.67</td><td>202.09</td></tr> <tr><td>18th</td><td>183.55</td><td>189.06</td><td>194.57</td><td>200.07</td><td>205.58</td></tr> <tr><td>19th</td><td>186.80</td><td>192.40</td><td>198.01</td><td>203.61</td><td>209.22</td></tr> <tr><td>20th</td><td>190.17</td><td>195.88</td><td>201.59</td><td>207.29</td><td>213.00</td></tr> </tbody> </table>		Tariff Year					Year of Commissioning	2005-06	2006-07	2007-08	2008-09	2009-10	2005-06	286	289	293	297	302	2006-07		298	302	306	310	2007-08			311	315	320	2008-09				325	329	2009-10					338	Year of operation	Year of Commissioning					2005-06	2006-07	2007-08	2008-09	2009-10	1st	339.27	349.45	359.63	369.81	379.98	2nd	329.09	338.96	348.83	358.70	368.58	3rd	318.97	328.53	338.10	347.67	357.24	4th	308.91	318.18	327.45	336.72	345.98	5th	298.94	307.90	316.87	325.84	334.81	6th	289.03	297.70	306.37	315.04	323.72	7th	279.21	287.58	295.96	304.33	312.71	8th	269.46	277.55	285.63	293.71	301.80	9th	259.80	267.60	275.39	283.18	290.98	10th	250.23	257.74	265.24	272.75	280.26	11th	164.08	169.00	173.92	178.84	183.76	12th	166.54	171.54	176.53	181.53	186.53	13th	169.11	174.18	179.25	184.33	189.40	14th	171.77	176.93	182.08	187.23	192.39	15th	174.55	179.78	185.02	190.26	195.49	16th	177.43	182.76	188.08	193.4	198.73	17th	180.43	185.85	191.26	196.67	202.09	18th	183.55	189.06	194.57	200.07	205.58	19th	186.80	192.40	198.01	203.61	209.22	20th	190.17	195.88	201.59	207.29	213.00	<p>Each distribution licensee must purchase 7.5% of their total power purchase from renewable and non-conventional energy sources.</p>
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		(c) For other Non conventional and renewable sources tariff would be Rs. 2.50/Unit for 2005-06 with an escalation of 4% per annum for subsequent years without compounding. Other non-conventional sources of energy shall include, inter alia, generation from wind, solar, municipal wastes, industrial wastes, including sold, semi-solid, liquid & gaseous wastes and bio-gas.																															
22.	WBERC	<p>Maximum capping on tariff:</p> <p>(1) Biomass = Rs. 4.00/unit</p> <p>(2) Wind = Rs.4/unit</p> <p>(3) Small Hydel =Rs. 3.6/ unit</p> <p>(4) Co-generation = Rs. 2.55/unit</p> <p>(5) Solar PV = Rs. 11/unit</p> <p>(6) Bio-gas = Rs. 5/unit</p>	<table border="1"> <thead> <tr> <th>Year</th> <th>2008-09</th> <th>2009-10</th> <th>2010-11</th> <th>2011-12</th> </tr> </thead> <tbody> <tr> <td>WBSEB</td> <td>4.8</td> <td>6.8</td> <td>8.3</td> <td>10</td> </tr> <tr> <td>CESC Ltd.</td> <td>4.0</td> <td>6.0</td> <td>8.0</td> <td>10</td> </tr> <tr> <td>DPL</td> <td>2.5</td> <td>4.0</td> <td>7.0</td> <td>10</td> </tr> <tr> <td>DPSCLtd.</td> <td>2.0</td> <td>4.0</td> <td>7.0</td> <td>10</td> </tr> <tr> <td>DVC</td> <td>2.0</td> <td>4.0</td> <td>7.0</td> <td>10</td> </tr> </tbody> </table>	Year	2008-09	2009-10	2010-11	2011-12	WBSEB	4.8	6.8	8.3	10	CESC Ltd.	4.0	6.0	8.0	10	DPL	2.5	4.0	7.0	10	DPSCLtd.	2.0	4.0	7.0	10	DVC	2.0	4.0	7.0	10
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6. Status of Determination of Open Access Surcharge

Provision in Tariff Policy:

8.5 Cross-subsidy surcharge and additional surcharge for open access

8.5.1 National Electricity Policy lays down that the amount of cross-subsidy surcharge and the additional surcharge to be levied from consumers who are permitted open access should not be so onerous that it eliminates competition which is intended to be fostered in generation and supply of power directly to the consumers through open access.

A consumer who is permitted open access will have to make payment to the generator, the transmission licensee whose transmission systems are used, distribution utility for the wheeling charges and, in addition, the cross subsidy surcharge. The computation of cross subsidy surcharge, therefore, needs to be done in a manner that while it compensates the distribution licensee, it does not constrain introduction of competition through open access. A consumer would avail of open access only if the payment of all the charges leads to a benefit to him. While the interest of distribution licensee needs to be protected it would be essential that this provision of the Act, which requires the open access to be introduced in a time-bound manner, is used to bring about competition in the larger interest of consumers.

S. No.	States		Cross-Subsidy Surcharge (Paise/Unit)				Year	
1	Andhra Pradesh		yet to be decided for year 2008-09				2008-09	
2	Assam	LT General Supply	6				2007-08	
		Public Water Works	77					
		Bulk(Educational)	46					
		HT bulk Supply	38					
		HT Industries I	47					
		HT Industries II	35					
		Tea & Coffee	148					
		Oil & Coal	41					
3	Bihar	132KV EHT	170				2007-08	
		33KV HT	141					
4	Chhattisgarh	132kV & above	65					
		33kV	38					
5	Delhi		Industrial	Non-Domestic	Railway		2008-09	
		BRPL	Above 66KV	119.79	198.35	88.05		
			At 33/66KV	92.76	171.32	61.02		
			At 11 KV	20.93	99.49	-		
		At LT	-	12.2	-			
	BYPL	Above 66KV	107.16	198.59	-			
		At 33/66KV	78.76	170.19	-			
		At 11 KV	2.48	93.91	-			
	NDPL	Above 66KV	97.03	193.3	67.74			
		At 33/66KV	72.98	169.25	43.69			

Forum of Regulators

Status Report on Tariff Policy

		At 11 KV	-	87.18	-			
		At LT	-	15.17	-			
6	Gujarat		100					2007-08
7	Haryana		Yet to be decided					2008-09
8	H.P.		Nil					2007-08
9	Jharkhand	EHT(132KV)	29					
		HT(33KV)	39					
10	J&K		0					2007-08
12	Karnataka		BESCOM	MESCOM	CESC	HESCOM	GESCO M	2008-09
		EHT	93	62	52	66	86	
		HT bulk supply	78	34	20	22	67	
11	Kerala		5					2008-09
13	MP	132kV & above	94					2007-08
		33kV & above	63					
14	Maharashtra		Nil					2008-09
15	Meghalaya		Yet to be decided					
16	Orissa		determined					2008-09
17	Punjab		-					
18	Rajasthan	LIP-EHV	55.00	55.00	55.00	55.00	55.00	2008-09
		LIP-33KV	38.00	38.00	38.00	38.00	38.00	
		LIP-11KV	16.00	16.00	16.00	16.00	16.00	
		ML-132KV	44.00	44.00	44.00	44.00	44.00	
		ML-33KV	28.00	28.00	28.00	28.00	28.00	
		ML-11KV	5.00	5.00	5.00	5.00	5.00	
		NDS-132KV	147.00	147.00	147.00	147.00	147.00	
		NDS-33KV	130.00	130.00	130.00	130.00	130.00	
		NDS-11KV	108.00	108.00	108.00	108.00	108.00	
19	Tamil Nadu	Injection Voltage	Drawl Voltage	Industrial consumer	Educational Inst	Commercial Consumer		2006-07
		22KV/11KV	22KV/11KV	97.17	91.71	274.87		
		33 KV	22KV/11KV	105.47	100.01	283.17		
		110 KV	22KV/11KV	108.49	103.03	286.19		
		110 KV	33 KV	116.8	111.34	294.5		
		110 KV	110 KV	119.82	114.36	297.52		
		230 KV	22KV/11KV	110.76	105.3	288.46		
		230 KV	33 KV	119.06	113.6	296.46		
		230 KV	110 KV	122.08	116.62	299.78		
230 KV	230 KV	124.35	118.89	302.05				
20	Tripura		Yet to be decided					
21	Uttarakhand		Nil					2008-09
22	Uttar Pradesh		Nil					2008-09
23	West Bengal		CESC LTD	WBS ED CL	DPSC LTD	DPL		2007-08
			192.75	239.88	307.93	118.42		

7. Harnessing of Surplus Captive Generation

Provision in Tariff Policy:

6.3 Harnessing captive generation

Captive generation is an important means to making competitive power available. Appropriate Commission should create an enabling environment that encourages captive power plants to be connected to the grid. Such captive plants could inject surplus power into the grid subject to the same regulation as applicable to generating companies.

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Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.

Review of 'FOR' recommendations.

1. There should be no penalty for reduction of contracted demand by consumer having CPP.
2. In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.
3. There should be no minimum guarantee charges.
4. Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.

1. AERC

<u>S. No.</u>	<u>Recommendations of 'FOR'</u>	<u>Status</u>
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	Formal reduction may be allowed
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	No such charges have been included in transmission & wheeling charge.
3	There should be no minimum guarantee charges.	Noted
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Back up rate may be made compatible with alternate fuel rate.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Notified along with TO 2007-08

2. BEREC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	As per information submitted by BSEB (deemed licensee) there is no captive power plant connected to the grid in the State.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	-----Do-----
3	There should be no minimum guarantee charges.	-----Do-----
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	-----Do-----
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	-----Do-----

3. CSERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No provision for penalty
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	Rs 10/KVA/Month on installed capacity of CPP. This is also in review.
3	There should be no minimum guarantee charges.	No minimum guarantee charges imposed.
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Separate start-up tariff notified in T.O. 2007-08. Charges for start up power are mostly less than the charge fixed for temporary connection.
5	Wheeling charges and other terms & conditions should be determined in	Notified in T.O. 2006-07. These are subject to change as per tariff

	advance by the SERC ensuring that charges are reasonable and fair.	order.
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4. DERC

Not implemented as there is hardly any surplus captive generation capacity available

5. GERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No provision for penalty
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	No parallel operation charges
3	There should be no minimum guarantee charges.	No minimum guarantee charges
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	No separate standby charge but for standby power, charge is levied at applicable demand charge for contracted load of the consumer. Under Intrastate ABT, standby energy will be charged at UI rate applicable from time to time.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Wheeling charges determined through ARR exercise & is in line with CERC regulations

6. HERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	-----
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	-----
3	There should be no minimum guarantee charges.	-----

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4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	The Commission has not considered this. There is no Open Access Customer in Haryana, so far.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Wheeling charges determined through ARR exercise & is in advance stage of finalization.

7. HPERC:

Surplus captive capacity is being assisted.

8. JSERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	Regulation for CPP is in process of finalization, this feature has been included in the draft regulation.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	Regulation for CPP is in process of finalization, this feature has been included in the draft regulation.
3	There should be no minimum guarantee charges.	Regulation for CPP is in process of finalization, this feature has been included in the draft regulation.
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Decision on standby power will be taken on receipt of application by Open Access Customer.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Wheeling charges have been determined in JSEB's Tariff Order 2006-07

9. J&KSERC

Regulations under preparation, all 'FOR' recommendations (points 1 – 5) is taken care in the regulation

10. KERC

Order issued on 27.02.2007 determining the tariff for procurement of power from captive generators by licensees. Tariff is linked to CERC specified UI rates. The same is under review by the Commission

11. KSERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No penalty
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	No charges
3	There should be no minimum guarantee charges.	No minimum guarantee charges
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Adjustment in kind only
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Already fixed by KSERC

12. MPERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No penalty is imposed. However initial agreement period of two years is binding on the consumers.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	Grid Support Charges / Parallel operation have not been stipulated
3	There should be no minimum guarantee charges.	There is no minimum guarantee charges .
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Standby charges – Rs.20/kVA/month. For CPP's connected to the grid

		<p>in addition to the standby charges, normal demand charges and energy charges are payable to licensee when it is availed. This support is restricted up to 1000 hours/annum, beyond this the supply is given at temporary connection rate.</p> <p>For CPP's not connected to the grid, standby support on normal charges is allowed up 750 hours/annum. Above 750 hours up to 1000 hours there are additional charges @ 10% higher than normal charges. Beyond 1000 hours temporary connection rates is applicable. The Regulation on Standby charges is under modification.</p>
5	<p>Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.</p>	<p>Provisional wheeling charges have been prescribed.</p>

13. MERC

S. No.	Recommendations of 'FOR'	Status
1	<p>There should be no penalty for reduction of contracted demand by consumer having CPP.</p>	<p>Implemented</p>
2	<p>In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.</p>	<p>Standby Charges have been specified as Rs. 320/kVA/month and applicable only for the standby component (as compared to normal demand charges of Rs 300/kVA/month)</p>
3	<p>There should be no minimum guarantee charges.</p>	<p>Implemented</p>
4	<p>Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary</p>	<p>The standby power charges is equal to the temporary tariff</p>

	connection.	
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Implemented

14. MsERC

No surplus captive generation capacity has emerged so far.

15. OERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No demand charges are prescribed. According to TO 2006-07, Industrial consumers owing CPP, 420p/unit at EHT, 440p/unit at HT. Others who draw only 25% of capacity of highest unit would pay @ 380p/unit and 400p/unit at EHT & HT respectively.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	No provision
3	There should be no minimum guarantee charges.	There is no MGR
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	No provision
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Yet to be specified by the commission

16. PSERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	There is no penalty for reduction of contracted demand by consumer having CPP

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2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	Parallel operation charges discounted as per Tariff Order 2007-08.
3	There should be no minimum guarantee charges.	Loads fed from Captive Plants are not charged monthly minimum charges.
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	No charges are levied for the start up power. However, in case of standby power requirement, minimum charges are payable at the rates specified in the Tariff Order.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Transmission and Wheeling charges for availing Open Access are leviable as per Open Access Regulations notified by the Commission.

17. RERC:

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	Adopted
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	No parallel operation charges. Facility for standby supply during outage of CPP provided at temporarily supply for 42 days in a year.
3	There should be no minimum guarantee charges.	Adopted
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Adopted
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Adopted

18. TNERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No penalty is imposed for reduction once in a year. However, reduction is permitted only up to 50% of demand at the time of applying for reduction in demand. For second and subsequent reduction in a year, the consumer shall be liable to pay one time charge of twice the demand charges for the surrendered demand.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	<p>a. Energy charges at appropriate tariff for energy supplied by the licensee.</p> <p>b. Demand charges:</p> <p>(i) For the energy supplied by the generator supplying to the Open Access customer deemed demand charges payable by the customer in relation to voltage at the point of injection and drawl which may vary from 37.04% to 42.76%.</p> <p>(ii) For the energy supplied by the licensee, demand charges as per the tariff order.</p>
3	There should be no minimum guarantee charges.	There are no minimum guarantee charges.
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	The charges for start up/ standby power have been specified in accordance with the provision in the tariff policy.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Specified in the Commission order dt. 15-05-06

19. TERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	Not yet formulated
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	Not yet formulated
3	There should be no minimum guarantee charges.	Not yet formulated
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Not yet formulated
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Not yet formulated

20. UERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No penalty has been specified for reduction of load.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	No charges, fees, etc. other than the applicable tariff shall be leviable. However, the responsibility of synchronization and providing synchronizing equipments conforming to requisite standards and import/export meters shall lie with the captive generators.
3	There should be no minimum guarantee charges.	There is no Minimum Guarantee Charges
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	The Commission has included the consumers having stand alone CPP for taking emergency

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		power supply in the event of tripping or for start up power requirements from the licensees under the Temporary Supply which shall be billed at the applicable rates. Other CPP's if they are consumers of the licensee shall be charged only the applicable tariff.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	On case to case basis. No case reported

21. UPERC:

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	Demand charges shall be governed by tariff as specified by the Commission under schedule to which load requirement belongs to. However, in case of withdrawal from banked energy, the demand as posed shall be billed as per tariff schedule. However, no minimum guarantee charges are levied.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	Not specified
3	There should be no minimum guarantee charges.	There is no minimum guarantee charge.
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Start up power is provided in banking arrangement. If plant does not opt for banking with the Distribution Licensee the CPP shall be billed as per relevant tariff schedule.
5	Wheeling charges and other terms & conditions should be determined in	Wheeling charges are fixed by the Commission at the time of

	advance by the SERC ensuring that charges are reasonable and fair.	determination of retail tariff petitions.
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22. WBERC

S. No.	Recommendations of 'FOR'	Status
1	There should be no penalty for reduction of contracted demand by consumer having CPP.	No penalty is imposed.
2	In view of little justification for levy of parallel operations charges/ Grid Support Charges these charges to be kept at the lowest level.	There is no charge.
3	There should be no minimum guarantee charges.	There is no MGR
4	Charges for start-up / stand-by power should be reasonable and should not exceed the charges fixed for temporary connection.	Regulation is in place.
5	Wheeling charges and other terms & conditions should be determined in advance by the SERC ensuring that charges are reasonable and fair.	Regulation is in place and that has taken due care.