

MINUTES OF THE TWENTY THIRD MEETING
OF
FORUM OF REGULATORS (FOR)

VENUE : “PHOOLWARI CONFERENCE HALL”,
HOTEL MADHUBAN, DEHRADUN
(UTTARAKHKAND).

DATE : 29TH – 30TH APRIL, 2011.

List of Participants : At Annexure-I (**enclosed**).

Dr. Pramod Deo, Chairperson, Central Electricity Regulatory Commission (CERC) and Forum of Regulators (FOR) extended a warm welcome to all members of Forum. The Chairperson welcomed Shri Subhash Chander Negi, Chairperson, HPERC, Ms. Romila Dubey, Chairperson, PSERC, Shri Digvijai Nath, Chairperson, Arunachal Pradesh SERC, Shri Umesh Narayan Panjiar, Chairperson, BERC and Shri P.D. Sudhakar, Chairperson, DERC who attended the FOR meeting for the first time after assuming charge of their office. Dr. Pramod Deo also introduced Shri Rajiv Bansal, Secretary, CERC/FOR who was also attending the FOR meeting for the first time after taking over the charge of Secretary, CERC.

The FOR thereafter took agenda items for consideration.

Agenda Item No. 1: Confirmation of the Minutes of the 22nd Meeting of “FOR” held on 14th February, 2011 at Mumbai (Maharashtra).

The Forum noted and endorsed the minutes of the 22nd Meeting of FOR held at Mumbai (Maharashtra) on 14th February, 2011 as circulated. The Forum also noted the Action Taken Report as contained in Appendix-II of the Agenda Note.

Agenda Item No. 2: “FOR” Budget for the year 2011-12.

The budget for the year 2011-12 as circulated was discussed in detail. Secretary, CERC/FOR highlighted the salient features of the proposed budget as reflected in the income and expenditure statement (contained in Annexure-I of the Agenda Note). After deliberations, the proposed budget was approved. The Forum also agreed to the proposed enhancement of the annual subscription from Rs.2,00,000/- to Rs.3,00,000/- per SERC. The FOR Secretariat was also directed to approach MoP with a request to earmark a grant of Rs.15 crores under the Plan Fund for the Twelfth Five-Year Plan for consultancy and capacity building programmes of FOR.

Agenda Item No. 3: Proposed Studies and Training Programmes during the year 2011-12.

The proposed Studies, Training Programmes and the institutions thereof were approved. The Forum endorsed the inclusion of capacity building programme for the officers of the ERCs in association with IIT, Kanpur.

Agenda Item No. 4: Interaction with Shri V.K. Shunglu – Issues concerning “Financial Position of Distribution Utilities”.

Shri V.K. Shunglu, former-CAG of India and presently heading the Government Committee on Financial Position of Distribution Utilities,

joined the meeting for interaction with the members of FOR. In his opening remarks, Shri Shunglu gave a brief overview of the issues confronting the Distribution sector and opined that this interaction would be useful in understanding the ground level issues relating to DISCOMS from the Chairpersons present.

Members highlighted the issues and challenges faced by SERCs while fixing tariff at the state level. Unmetered supply especially to agriculture, unreasonable T&D/AT&C losses, indifference to the need for efficiency improvements because of high level security of service available, non-payment of subsidies by the State Government are some of the challenges which the State Regulators have to deal with regularly. All this is reflected in the way tariff petitions are filed by the licensees. Directives could be issued to the distribution companies but on many occasions even the directives do not yield results as the orders of the Regulatory Commissions are not enforceable as effectively as the orders of the Appellate Tribunal. Shri Shunglu noted the issues highlighted by the Regulators.

Secretary, CERC/FOR thanked Shri Shunglu for his guidance and hoped that the interaction would provide useful inputs for the Committee in making an assessment of the position of District Utilities.

Agenda Item No. 5: Status of RPO and Implementation of REC Framework.

Secretary, FOR made a presentation and apprised the Members regarding Renewable Purchase Obligation (RPO) trajectory specified by the different State Electricity Regulatory Commissions (SERCs) vis-à-vis the RPO trajectory as suggested in the FOR, RPO study report. He mentioned that certain State Commissions, namely Kerala, Andhra Pradesh, Chhattisgarh, Punjab, Delhi, Orissa and Assam have specified lower percentage target compared to the trajectory as specified in the RPO study report. He also apprised the members regarding status of framing

REC Regulations and notification of State Nodal Agencies by the different SERCs. He mentioned that Andhra Pradesh, Delhi and West Bengal Commission are yet to come out with draft REC regulations. He further mentioned that Assam, Nagaland, Punjab and Tripura Commission are yet to finalize their draft REC regulations.

He also presented to the members sourcewise and statewise status of RE generators who have got accreditation from State Agencies and projects registered by the Central Agency. He briefed the Forum about results of the last two REC trading sessions held at both the exchanges on dated 30.03.2011 and 27.04.2011. At the end, he highlighted deviations made by some SERCs in terms of eligibility criteria and definition of “Pooled Power Purchase Cost” from the FOR Model Regulation. Chairperson, RERC clarified the rationale behind the exclusion of short term power purchase cost while arriving at pooled cost of purchase. Secretary, FOR suggested that for ease of implementation of REC framework the Average Power Purchase Cost (APPC) should be notified by all the Commissions. A copy of the presentation is **enclosed** at **Annexure-II**.

Agenda Item No. 6: Solar Specific Renewable Purchase Obligation (RPO) in the States.

Secretary, FOR made a presentation on Solar Specific Renewable Purchase Obligation and briefed the members on the amendment in Tariff Policy which states that SERCs are required to reserve Solar RPO upto 0.25% of total consumption by the end of 2013 and which may further go up to 3% by 2022. He further mentioned that 18 SERCs have specified Solar RPO at 0.25% and above by 2013. He also mentioned that certain States namely Orissa, Assam, Himachal, Tripura and Haryana have specified less than 0.25% which is required to be increased as has been made mandatory in the tariff policy. He also apprised that States like Punjab, Tamilnadu, Delhi and West Bengal are yet to come out with separate Solar Specific RPO. He mentioned that there was a need for

specifying separate Solar RPO as per the Tariff Policy at 0.25% of “total consumption” of electricity in the area of a distribution licensee by the end of 2012-2013. He mentioned that there was a need for setting (Solar) RPO keeping in mind availability of RE resources as a whole (and not limited to RE resources in the State) and to recognise REC (Solar) as a valid instrument for compliance of RPO by the obligated entities. Chairperson HERC stated that they would take steps to correct their Solar Specific RPO as 0.25% of total consumption of electricity in the area of distribution licensee instead of 0.25% of total 1.5 % RPO.

A copy of the presentation is **enclosed** at **Annexure-III**.

Agenda Item No. 7: Renewable Purchase Obligation (RPO) Applicability on Co-generation based Captive Consumer.

After discussion the members agreed with the contention that RPO should be made applicable to co-generation based captive consumers as well, in line with the spirit of Section 86(1)(e) of the Electricity Act, 2003. It was also felt that the scope of Section 86 (1)(e) is to promote Renewables and that only the non-fossil fuel based cogeneration plants should be covered under the said provision for the purpose of RPO. It was agreed that MNRE and MOP should be apprised of this development and professional support, if any, required by GERC in contesting the case before the High Court may be extended by FOR Secretariat.

Agenda Item No. 8: Powers available to SERCs to Enforce and Execute their Orders.

After discussions, the FOR agreed that a Draft Model Regulation may be prepared and SERCs may be requested to intimate to FOR Secretariat about the actions taken by each SERC to enforce and execute their orders if any.

Agenda Item No. 9: Other Issues for discussion

(a) Letter from Lokayukta to DERC

It was brought to the notice of Forum that a notice has been issued to one former Member and one present Member of DERC by the Hon'ble Lokayukta of Delhi to Show Cause as to why enquiry under Section 7 read with Section 2(b) of the Delhi Lokayukta and Uplokayukta Act 1955 be not held. It was also noted that DERC had taken legal opinion from Additional Solicitor General which was placed alongwith the agenda note.

After considering the issues brought out in the notice, the Forum endorsed the ASG's interpretation that Chairperson and Members of Regulatory Commissions are not covered under the definition of "public functionary" as defined under the Act in-as-much as that the Delhi Electricity Regulatory Commission (DERC) is not a Commission or a body which can be said to be controlled or owned by the Delhi Government and hence are not subject to the jurisdiction of the Lokayukta. It was therefore felt by the Forum that in the instant case, the preliminary issue of jurisdiction and maintainability should be raised and got adjudicated, first by the Lokayukta and if necessary move the High Court. Further DERC should bear the legal expenses upfront involved in the matter.

(b) Letter from GoM to MERC on Open Access

After discussion the FOR noted the issues with concern and felt that such development could impact the progress of Open Access.

Secretary, CERC/FOR conveyed his gratitude and appreciation for the entire team of Uttarakhand Electricity Regulatory Commission (UERC) for their arduous efforts at organizing the meeting at Dehradun (Uttarakhand).

A vote of thanks was extended by Shri Anand Kumar, Member, UERC. He conveyed his sincere thanks to all the dignitaries present in the meeting. He also thanked the staff of “FOR” Secretariat for their valuable support and assistance in conducting the meeting.

The meeting ended with a vote of thanks to the Chair.

/ ANNEXURE – I /

LIST OF PARTICIPANTS ATTENDED THE TWENTY THIRD MEETING
OF
FORUM OF REGULATORS (FOR)
HELD DURING 29TH – 30TH APRIL, 2011
AT HOTEL MADHUBAN, DEHRADUN (UTTARAKHAND).

S. No.	NAME	ERC
01.	Dr. Pramod Deo Chairperson	CERC – in Chair.
02.	Shri A. Raghotham Rao Chairperson	APERC
03.	Shri Digvijai Nath Chairperson	APSERC
04.	Shri Umesh Narayan Panjar Chairperson	BERC
05.	Shri Manoj Dey Chairperson	CSERC
06.	Shri P.D. Sudhakar Chairperson	DERC
07.	Dr. P.K. Mishra Chairperson	GERC
08.	Shri Bhaskar Chatterjee Chairperson	HERC
09.	Shri Subhash Chander Negi Chairperson	HPERC
10.	Shri S. Maria Desalphine Chairperson	J&KSERC
11.	Dr. V.K. Garg Chairperson	Joint ERC for Goa & all UTs except Delhi
12.	Shri M.R. Sreenivasa Murthy Chairperson	KERC
13.	Shri Bijoy Kumar Das Chairperson	OERC
14.	Ms. Romila Dubey Chairperson	PSERC
15.	Shri D.C. Samant Chairperson	RERC
16.	Shri S. Kabilan Chairperson	TNERC

17	Shri Rajesh Awasthi Chairperson	UPERC
18.	Shri Hemam Bihari Singh Member	Joint ERC for Manipur & Mizoram
19.	Shri Mathew George Member	KSERC
20.	Shri K.K. Garg Member	MPERC
21.	Shri Anand Kumar Member	UERC
22.	Shri Rajiv Bansal Secretary	CERC/FOR
23.	Ms. Neerja Verma Assistant Secretary	FOR

/ ANNEXURE-II /

Reference Agenda Item No.5

Status of RPO and implementation of REC frame work

23rd Meeting of FOR
29th April, 2011



FOR RPO study: 2010

- For states purchasing 0-1% RE Power at present:
7% RPO target proposed in FY 15
- For states with higher level of present RPO (more than 10%) :
13-14 % RPO target proposed by FY15
- Rest of the states: 9 to 11 % RPO target proposed by FY15

RPO Trajectory: Notified v/s FOR Study Report

States	Notified Regulations				As proposed in FOR Study Report			
	2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15
TN	14%				12.8%	13.2%	13.6%	14.0%
KAR	10%/7%	10%/7%			11.8%	12.2%	12.6%	13.0%
MH	7%	8%	9%	9%	7.4%	8.6%	9.8%	11.0%
KER	3.30%	3.6%	3.9%	4.2%	8.0%	9.0%	10.0%	11.0%
GUJ	6.0%	7.0%			5.6%	7.4%	9.2%	11.0%
RAJ	9.5%				7.4%	8.6%	9.8%	11.0%
AP	5.0%				6.2%	7.5%	8.7%	10.0%
UP	5%	6%			5.5%	7.0%	8.5%	10.0%
HP	11.10%	12.10%			6.7%	7.8%	8.9%	10.0%
CHH	5.25%	5.50%			5.5%	6.7%	7.8%	9.0%

RPO Trajectory: Notified v/s FOR Study Report

Notified Regulations					As proposed in FOR Study Report			
State	2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15
Pun (d)	2.31%	2.49%	2.68%	2.85%	4.2%	5.8%	7.4%	9.0%
Uttara	5%	6%			4.5%	6.0%	7.5%	9.0%
MP	2.50%	4.00%	5.50%	7.00%	2.9%	4.3%	5.6%	7.0%
WB	3%	4%	5%	6%	3.3%	4.6%	5.8%	7.0%
HAR	7.0%	8.0%	9.0%	9.0%	2.9%	4.3%	5.6%	7.0%
Delhi	1%				2.8%	4.2%	5.6%	7.0%
Bihar	2.50%	4%	4.50%	5%	2.8%	4.2%	5.6%	7.0%
JHAR	3%	4%			2.8%	4.2%	5.6%	7.0%
J&K	3%	5%			2.8%	4.2%	5.6%	7.0%
Orissa	1.30%	1.55%	1.80%	2.05	2.8%	4.2%	5.6%	7.0%
Co-gen	3.70%	3.95%	4.20%	4.45%				
Assam	1.50%	2%	2%	2.50%	2.8%	4.2%	5.6%	7.0%

RPO Trajectory

Notified v/s FOR Study Report

State	Notified Regulations				As proposed in FOR Study Report			
	2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15
Manipur	3.00%	5.00%			2.8%	4.2%	5.6%	7.0%
Meghalaya	0.75%	1.00%			2.8%	4.2%	5.6%	7.0%
Nagaland	16.0%	17.0%			2.8%	4.2%	5.6%	7.0%
Mizoram	6.0%	7.0%			2.8%	4.2%	5.6%	7.0%
Tripura	1.0%	2.0%			2.8%	4.2%	5.6%	7.0%
Goa & UTs	2%	3%			2.8%	4.2%	5.6%	7.0%

Status of SERCs' REC Regulations

REC Scheme Launched on 18.11.2010

Sl.	SERCs	Draft Regulation	Final Regulation	Designated SNA	RPO on CPP	RPO on OA
1	ANDHRA PRADESH	-	-	-	-	-
2	ASSAM	√	-	√	√	√
3	BIHAR	√	√	√	√	√
4	CHHATTISGARH	√	√	√	√	√
5	DELHI	-	-	-	-	-
6	GUJARAT	√	√	√	√, ≥ 5 MW	√
7	HARYANA	√	√	√	√	√
8	HIMACHAL PRADESH	√	√	√	√	√
9	J&K	√	√	√	√, ≥ 1 MW	√
10	JHARKHAND	√	√	√	√, >5 MW	√
11	KARNATAKA	√	√	√	√, 5%	√, 5%
12	KERALA	√	√	√	√	√
13	MADHYA PRADESH	√	√	√	√	√
14	MAHARASHTRA	√	√	√	√	√
15	MEGHALAYA	√	√	-	√	√
16	ORISSA	√	√	√	√, >5 MW	√
17	PUNJAB	√	-	√	√	√
18	RAJASTHAN	√	√	√	√	√
19	TAMIL NADU	√	√	√	√	√
20	TRIPURA	√	-	√	√, > 5 MW	√
21	UTTARAKHAND	√	√	√	√	√
22	UTTAR PRADESH	√	√	-	√	√
23	WEST BENGAL	-	-	-	NA	NA
24	JERC FOR GOA & ALL UTS	√	√	√	√	√
25	JERC FOR MANIPUR & MIZORAM	√	√	√	√	√
26	NAGALAND	√	-		√	√
	TOTAL	23	19	20		6

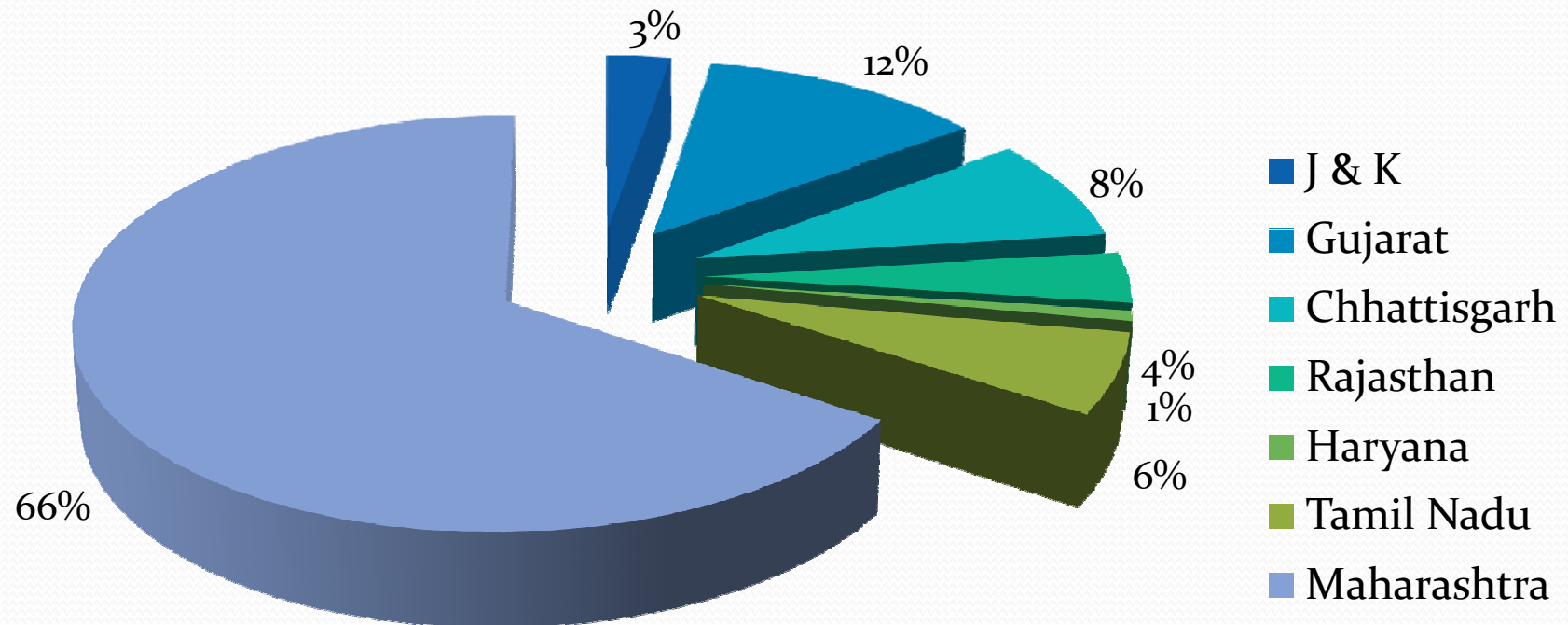
Accredited RE Generators : 366.05 MW

Statewise & Sourcewise : As on 23.4.2011

State	Wind	Biomass	Bagasse	SHP	Solar	No. of Projects	MW
J & K	-	-	-	1 (10)	-	1	10
Gujarat	5 (44.8)	-	-	-	-	5	44.8
Chhattisgarh		3 (27)	1(2.5)	-	-	4	29.5
Rajasthan	2 (14.7)	-	-	-	-	2	14.7
Haryana		1 (3)	-	-	-	1	3
Tamil Nadu	2 (15.2)	1(18)	-	-	-	3	23.2
Maharashtra	27(84.35)	3 (51.5)	6 (74.5)	7 (20.5)	-	43	240.85
Total Projects	36	8	7	8	0	59	366.05
Total MW	159.05	99.5	77	30.5	0	366.05	

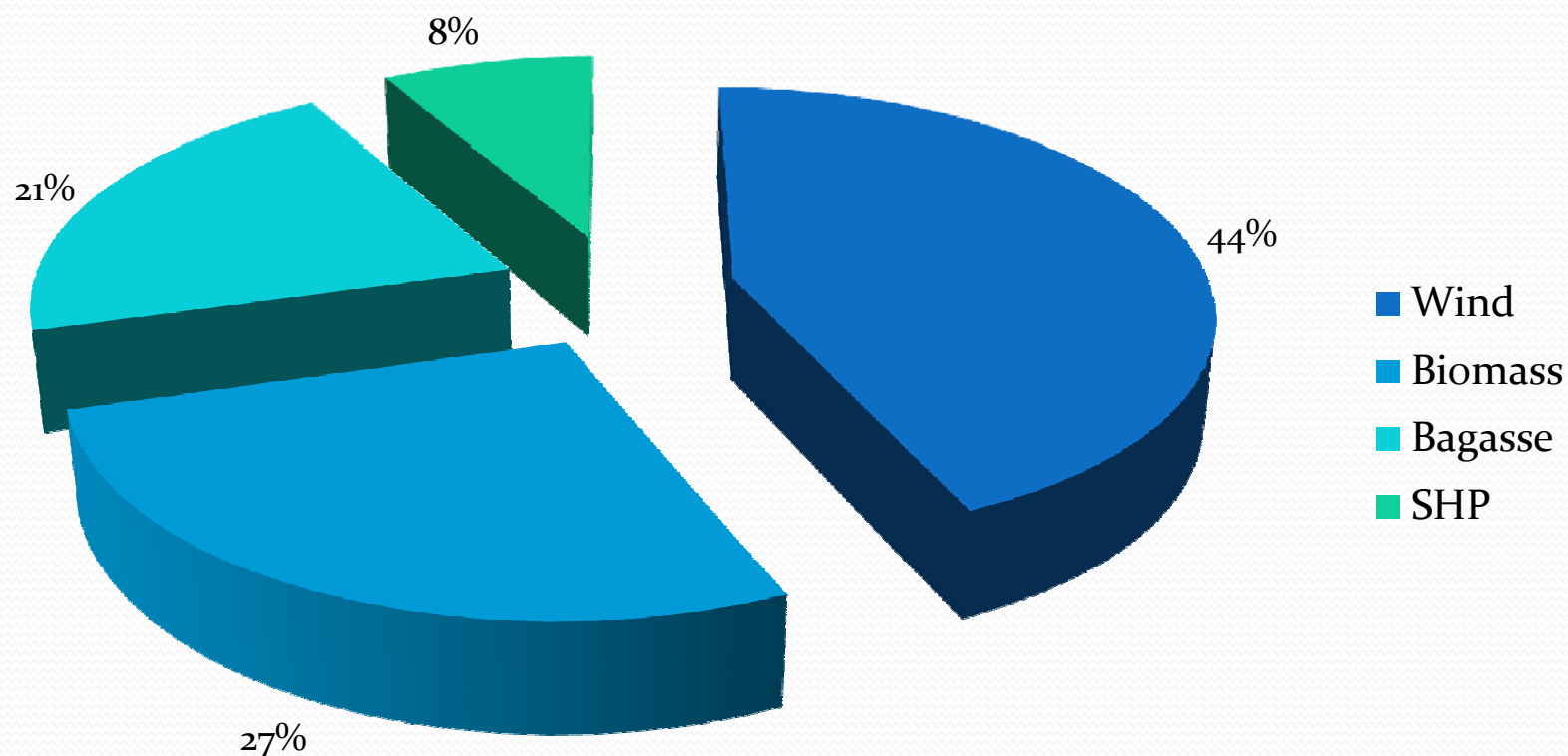
Accredited RE Generators : 366.05 MW

Statewise : As on 26.4.2011



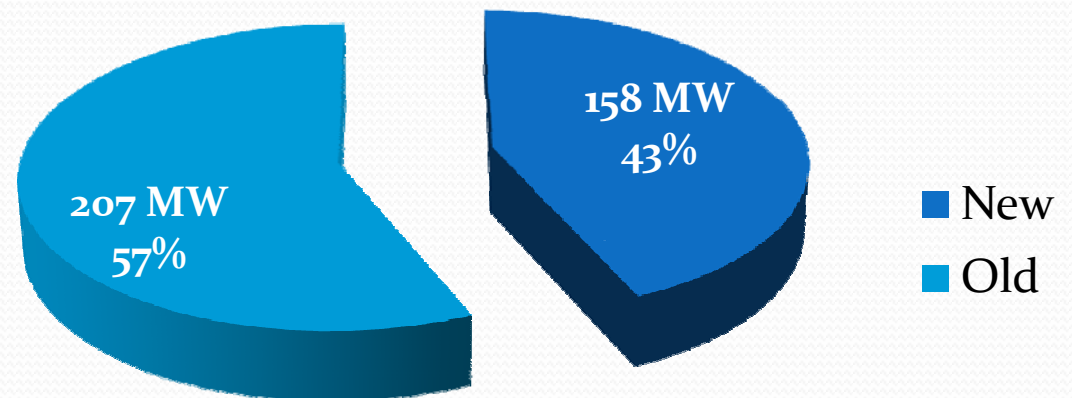
Accredited RE Generators : 366.05 MW

Sourcewise : As on 26.4.2011



New Projects* Opted for REC

	New	Old	Total
wind	96.7	62.35	159.05
Biomass	31	68.5	99.5
Bagasse	22.5	54.5	77
SHP	8.5	22	30.5



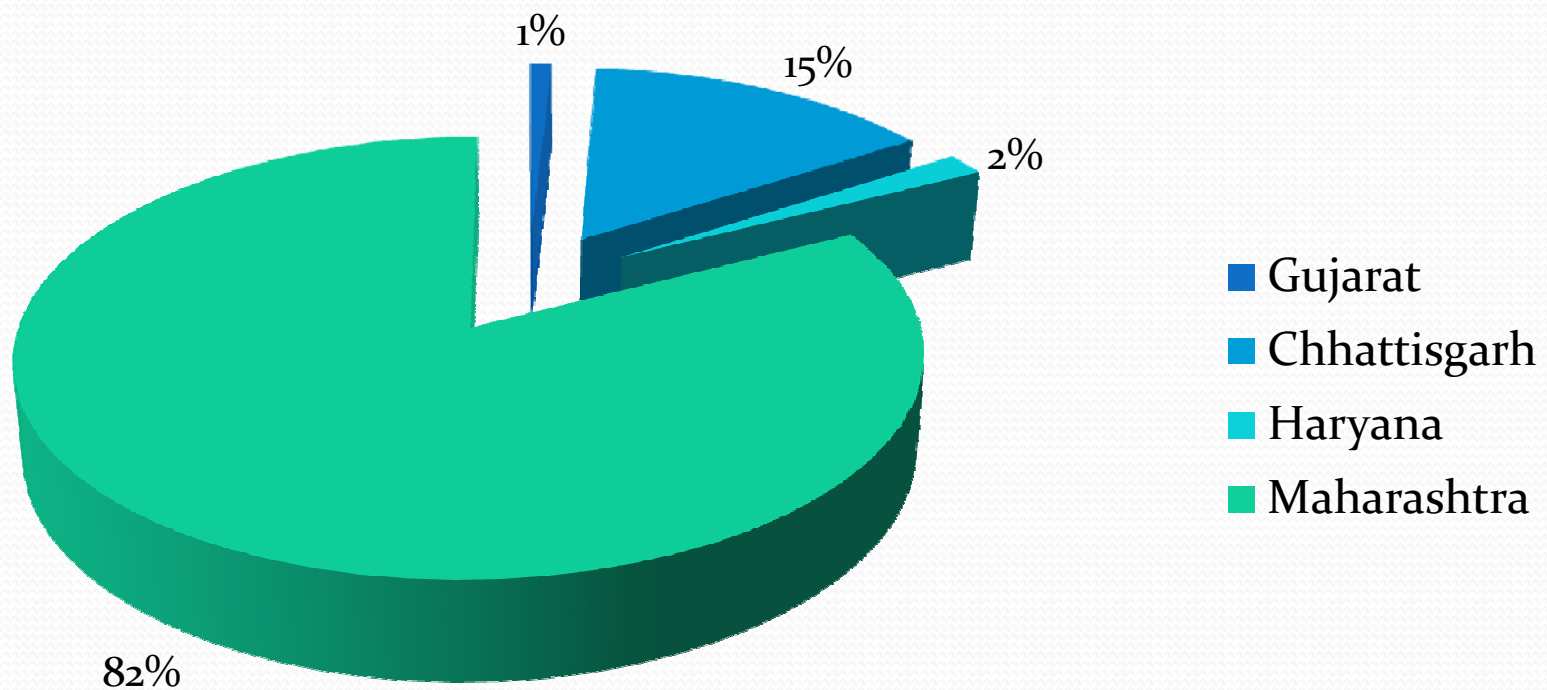
*Projects commissioned after CERC REC Regulation 14/1/2010

RE Generators Registered with NLDC: 180.9 MW

Statewise & Sourcewise : As on 26.4.2011

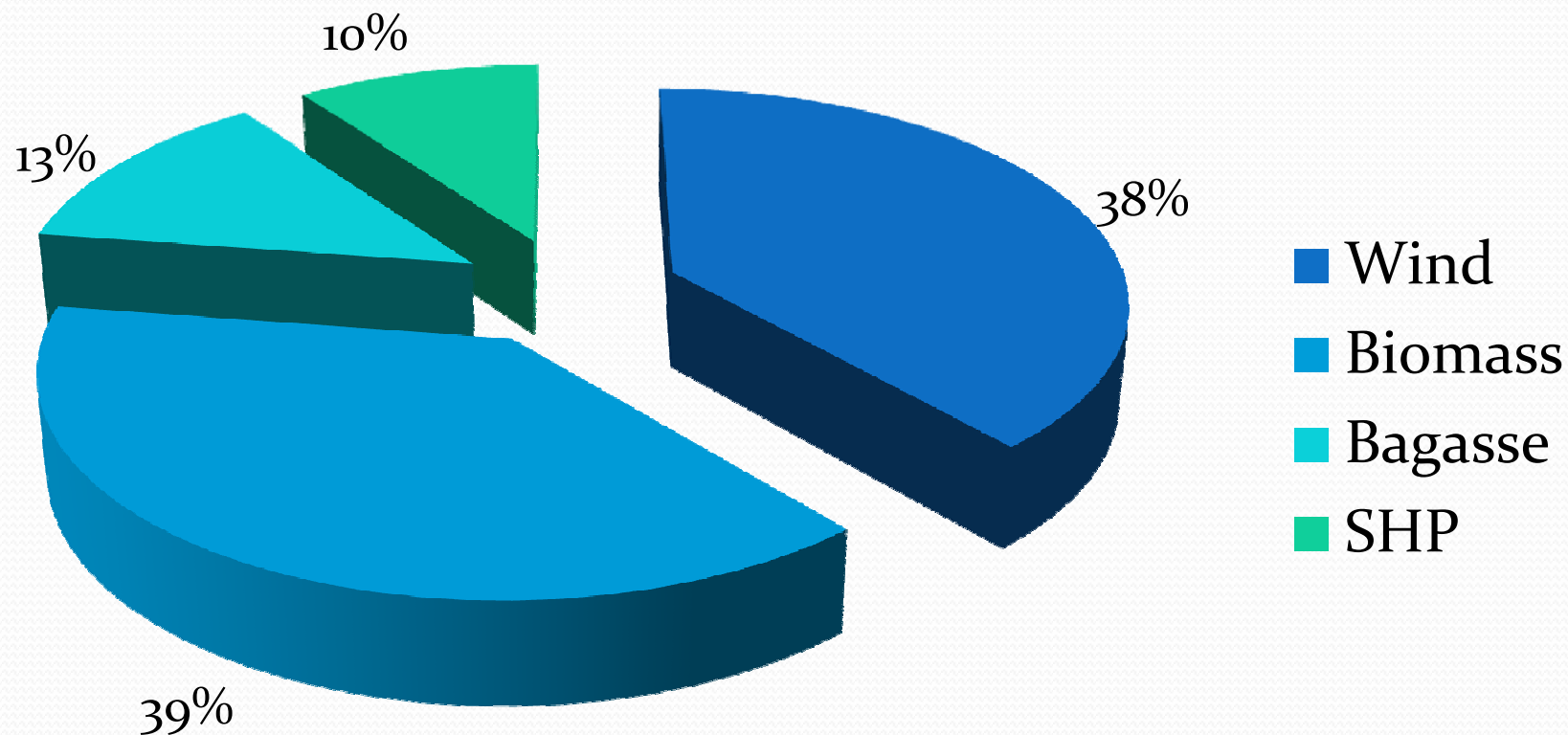
State	Wind	Biomass	Bagasse	SHP	Solar	No. Of Projects	MW
J & K	-	-	-	-	-	-	
Gujarat	1 (1.6)	-	-	-	-	1	1.6
Chhattisgarh	-	3 (27)	-	-	-	3	27
Rajasthan	-	-	-	-	-	-	
Haryana	-	1 (3)	-	-	-	1	3
Tamil Nadu	-	-	-	-	-	-	
Maharashtra	9 (68.3)	2 (40)	2 (23)	6 (18)	-	19	149.3
Total Projects	10	6	2	6	-	24	180.9
Total MW	69.9	70	23	18		180.9	

Registered RE Generators : 180.9 MW Statewise : As on 26.4.2011



Registered RE Generators : 180.9 MW

Sourcewise : As on 26.4.2011



Month-wise Non Solar REC Report

Month/ Year	Opening Balance	REC Issued	REC Redeemed	Closing Balance
March, 2011	0	532	424	108
April, 2011	108	4503	260	4351

Entity wise REC Inventory

April, 2011

RE Generator Name	Energy Sources	No. of REC Issued	No. of REC Redeemed	Balance REC
Vish Wind Infrastructure	Wind	271	-	271
Yash Agro Energy Limited	Co-gen	4764	684	4080
Total		4835	684	4351

REC Market Volume Profile Report:

Trading Session : 30.03.2011

REC Type	PXIL				IEX			
	Buy Bid	Sell Bid	MCP Rs./REC	MCV No. of REC	Buy Bid	Sell Bid	MCP Rs./REC	MCV No. of REC
Solar	3025	0	0	0	30,001	0	0	0
Non-Solar	324	274	2225	274	70,377	150	3900	150
No. of Participant	2 (non solar)				3 (solar) 12 (Non Solar)			

Buyer Trade Report:

Trade Date: 30.03.2011

Seller RE Generator Name	No. of REC Redeemed	Buyers Name	Type of entities	Power Exchange	Buying RECs Quantity
Yash Agro Energy Limited, Maharashtra Energy Source: Cogen	424	Air Liquide	Obligated	PXIL	274
		India Holdings	Entity		
		BEST, Maharashtra	Obligated Entity	IEX	148
		Manikaran Thermal Power	Voluntary	IEX	2

REC Market Volume Profile Report:

Trading Session : 27.04.2011

REC Type	PXIL				IEX			
	Buy	Sell	MCP	MCV	Buy Bid	Sell Bid	MCP	MCV
	Bid	Bid	Rs./REC	No. of REC			Rs./REC	No. of REC
Solar	0	0	0	0		0	0	0
Non-Solar	0	565 (yash)	0	0	260	3775 (Yash) + 271 (Vish)	1500	260
No. of Participant	1 (non solar)				5 (Non Solar)			

Buyer Trade Report:

Trade Date: 27.04.2011

Seller RE Generator Name	No. of REC offered	No. of REC Redeemed	Buyers Name	Type of entities	Power Exchang e	Buying RECs Quantit y
Yash Agro Energy Limited, Maharashtra Energy Source: Cogen	3775	260	Manikaran Power Ltd.	Voluntary	IEX	5
			Noble Tech Industries Pvt. Ltd.	Obligated Entity	IEX	250
			Manikaran Power Trading Ltd.	Voluntary	IEX	5



Pending REC Regulations

- Andhra Pradesh, Delhi and West Bengal Commissions have yet to come out with REC draft REC Regulations
- Assam, Nagaland , Punjab and Tripura Commission have to finalized their draft REC Regulations

Compliance Mechanism Provision

- As per FOR Draft Model Regulations for REC Mechanism for SERCs, in the event of default the obligated entity have to deposit into a separate fund, on the basis of the shortfall in the units of RPO at the forbearance price decided by the Central Commission.
- KERC has not specified reference of penalty at the forbearance price_in their Regulation

Deviation from CERC REC Regulations: Eligibility after termination of PPA

- As per CERC REC Regulations a generating company having entered into a PPA for sale of electricity at a preferential tariff shall not, in case of pre-mature termination of the agreement, be eligible for participating in the REC scheme for a period of three years from the date of termination of such agreement or till the scheduled date of expiry of PPA whichever is earlier.
- KERC in its REC Regulations, 2011 provides one year ban instead of three years : This clause of KERC should be coherent with the CERC REC Regulations.



Deviation from CERC REC Regulation Average Power Purchase Cost (APPC)

- TNERC is the only SERC which has notified the Average Power Purchase Cost (APPC)
- TNERC and RERC have defined the 'Pooled Cost of Purchase' by excluding power purchase cost under short term

*For ease of implementation of APPC may be notified by all the
SERCs*



Thank you!!!

/ ANNEXURE – III /

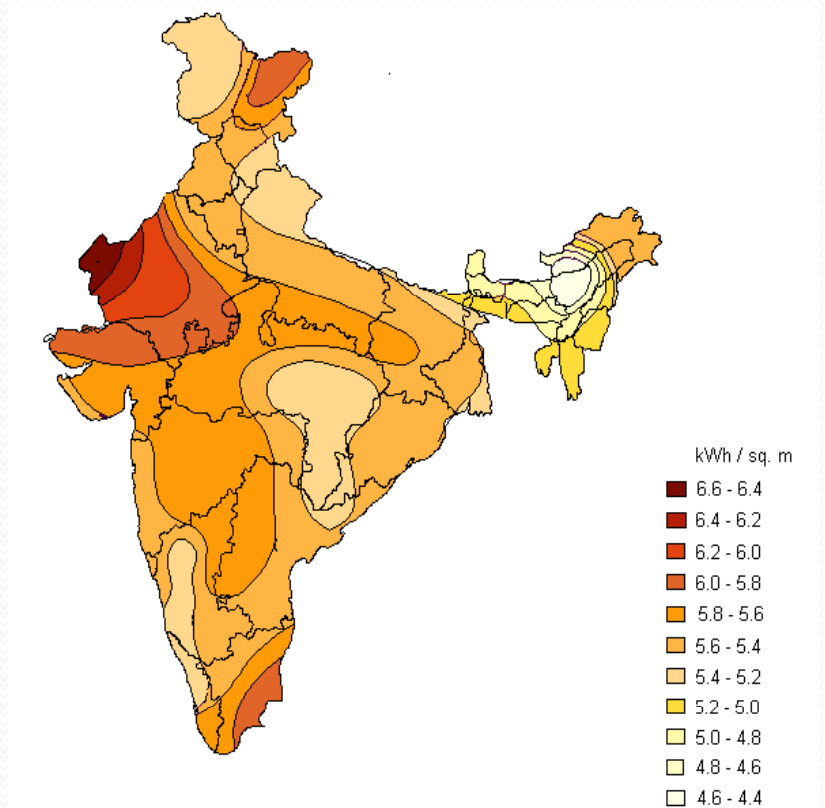
Reference Agenda Item No.6

Solar Specific Renewable Purchase Obligation (RPO)

23rd Meeting of FOR
29th April, 2011

Solar Resources in India

- 5 trillion kWh/year theoretical potential
- Most of the area of the country receives more than 4.4 kWh/m² /day
- More than 300 sunny days



If 1% of the land is used to harness solar energy at an overall efficiency of 10%; 5 trillion kWh/year electricity can be generated (Actual generation :2010-11: 0.811 trillion kWh/year, CEA)



National Solar Mission, 2009

- Target (grid connected) : 20 GW by 2022:
 - Phase I (upto 2013) – 1 GW,
 - Phase II (2013-17) – 4 GW,
 - Phase III (2017-22) – 20 GW
- Solar Purchase Obligation:
 - 0.25% in the Phase I and to go up to 3% by 2022



Tariff Policy Amendment : Para 6.4 (1)

Dated 20/1/2011

- SERC shall fix a minimum percentage of the total consumption of electricity in the area of a distribution licensee
- Such purchase should take place more or less in the same proportion in different States
- SERCs shall also reserve a minimum percentage for purchase of solar energy
 - Up to 0.25% by the end of 2012-2013
 - Further up to 3% by 2022
- Renewable Energy Certificate (REC) would need to be evolved with separate solar specific REC

18 SERCs specified Solar RPO $\geq 0.25\%$ by FY 2013

Sr. No.	State	FY11-12	@ MW	FY12-13	@ MW
1	Gujarat	0.50%	186	1.00%	372
2	Uttar Pradesh	0.50%	173	1.00%	345
3	Uttaranchal	0.50%	26	1.00%	51
4	Jharkhand	0.50%	19	1.00%	38
5	Rajasthan (draft)	0.50%	112	0.75%	168
6	Bihar	0.50%	31	0.75%	46
7	Madhya Pradesh	0.40%	88	0.60%	131
8	Goa and UTs	0.30%	20	0.40%	28
9	Meghalaya	0.30%	03	0.40%	04
10	Chhattisgarh	0.25%	24	0.50%	47
11	Manipur	0.25%	01	0.25%	01
12	Mizoram	0.25%	01	0.25%	01
13	Kerala	0.25%	25	0.25%	25
14	Maharashtra	0.25%	154	0.25%	154
15	Karnataka	0.25%	61	0.25%	61
16	Nagaland (Draft)	0.25%	01	0.25%	01
17	Andhra Pradesh	0.25%	110	0.255	110
18	Jammu & Kashmir	0.10%	06	0.25%	15

5 SERCs specified Solar RPO < 0.25%

Sr. No.	State	FY11-12	@ MW	FY12-13	@ MW
1	Orissa	0.10%	13	0.15%	20
2	Assam (draft)	0.10%	3	0.15%	5
3	Himachal Pradesh	0.10%	4	0.10%	4
4	Tripura	0.10%	1	0.10%	1
5	Haryana	0.0047%	0.77	0.0063%	1
		0.25% of 1.5% Total RPO: Subject to availability of the solar power in the State			
6	Punjab (Draft)	-		-	
7	Tamil Nadu	-		-	
8	Delhi	-		-	
9	West Bengal	-		-	
Approx. Total Capacity			1000		1500



Solar RPO : Issues for Discussion

- Need for specifying separate Solar RPO as per the Tariff Policy
- Need for specifying Solar RPO at 0.25% of “total consumption” of electricity in the area of a distribution licensee by the end of 2012-2013
- Need for setting (Solar) RPO keeping in mind availability of RE resources as a whole (and not limited to RE resources in the State)
- Need to recognise REC (Solar) as valid instrument for compliance of RPO by the obligated entities



Thank you!!!