

The Brihan Mumbai Electric Supply & Transport Undertaking

(OF THE BRIHAN MUMBAI MAHANAGARPALIKA)

TELEPHONE : (022) 22856262
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TELEGRAM : BEST, MUMBAI-400 001.

BEST BHAVAN,
BEST MARG,
POST BOX NO. 192.
MUMBAI - 400 001.

ADDRESS ALL COMMUNICATION BY TITLE
NOT BY NAME

OUR REF. : _____

DATE : 15 Dec 2015

CER/MERC/ 169 /2015

Secretary (MERC)
Maharashtra Electricity Regulatory Commission
13th Floor, Centre No. 1, World Trade Centre
Cuffe Parade, Colaba, Mumbai-400 005.

MERC	
Inward No: 2820	Date: 15/12/15
Chairman	Member
Secretary	Dir (EE)

Respected Sir,

Sub: Verification and Compliance of Renewable Purchase Obligation targets of BEST for FY 2014-15 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC framework) Regulations, 2010
--Submission of BEST's reply on affidavit

Ref: Letter MERC/RE Cell-6/RPO/2015- 16/00843 dated 29th October, 2015

Hon'ble Commission, vide its letter dated 29th October, 2015 referred above, in the matter of verification and compliance of RPO for FY 2014-15 as specified under MERC (RPO-REC) Regulations, 2010 has directed BEST to submit its replies to the questions raised in the aforesaid letter on Affidavit.

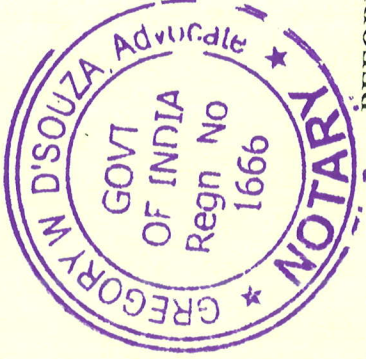
Accordingly, BEST Undertaking is herewith submitting its replies to the questions raised in the aforesaid letter dated 29th October, 2015 on Affidavit.

Thanking you,

Yours faithfully,


(R.D.) Patsute
Chief Engineer
(Regulatory)

Encl.: Affidavit (Original + 6 copies)



BEFORE THE HON'BLE
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

FILING NO.: _____

CASE NO.:

1. IN THE MATTER OF:

Verification and Compliance of RPO Targets of BEST Undertaking for FY 2014-15 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC Framework) Regulations, 2010

And

IN THE MATTER OF :

Mumbai Municipal Corporation constituted under the Mumbai Municipal Corporation Act, 1888 through the General Manager, Brihanmumbai Electric Supply and Transport Undertaking, an Undertaking wholly owned by Mumbai Municipal Corporation, having their office at BEST Bhavan, BEST Marg, Colaba, Mumbai-400 001.

2. *Affidavit verifying the application*

I, Rajendra D. Patsute aged 48 years, son of Dadaram Patsute, having my office at BEST Undertaking, Colaba, Mumbai 400 001 do solemnly affirm and say as follows:


2.1 I am the Chief Engineer (Regulatory) of Brihanmumbai Electric Supply and Transport Undertaking, the applicant in the above matter and am duly authorized to make this affidavit.

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2.2 The statements made in the enclosed submissions are based on the information received from the concerned officers of the Undertaking and I believe them to be true.

2.3 I say that there are no proceedings pending in any Court of Law/Tribunal or Arbitrator or any other authority wherein the deponent is a party and where issues arising and/or reliefs sought are identical or similar to the issues arising in the matter pending before the Commission.

I solemnly affirm at Mumbai on this 15th December, 2015 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed therefrom.


Deponent

BEFORE ME



GREGORY W. D'SOUZA
ADVOCATE & NOTARY
Kalpak Estate Bldg. No. B-11
Shop No 40, Antop Hill
MUMBAI-400 037

15 DEC 2015



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BEFORE THE HON'BLE
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

FILING NO.: _____

CASE NO.: _____

IN THE MATTER OF: Verification and Compliance of RPO Targets of BEST Undertaking for FY 2014-15 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC Framework) Regulations, 2010
And

IN THE MATTER OF : Mumbai Municipal Corporation constituted under the Mumbai Municipal Corporation Act, 1888 through the General Manager, Brihanmumbai Electric Supply and Transport Undertaking, an Undertaking wholly owned by Mumbai Municipal Corporation, having their office at BEST Bhavan, BEST Marg, Colaba, Mumbai-400 001

The petitioner named above respectfully sheweth under:

1. The Municipal Corporation of Greater Mumbai is a Municipal Corporation, duly constituted under the Mumbai Municipal Corporation Act, 1888. The Municipal Corporation of Greater Mumbai is also a local authority under Part IX A of the constitution of India. The Municipal Corporation of Greater Mumbai, under the provisions of the Mumbai Municipal Corporation Act, 1888, has an Undertaking known as the Brihanmumbai Electric Supply and Transport Undertaking (of the Municipal Corporation of Greater Mumbai) [hereinafter referred to; for sake of brevity, as "BEST"]. BEST, as such, is a statutory Undertaking of a local authority.
2. BEST is a Municipal/public utility, which has been and is providing two essential services in the City of Mumbai, namely, (i) mass public transportation in the City of



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Mumbai as well as its extended suburbs, and (ii) distribution or supply of electricity in the Island City of Mumbai (i.e. the area from Colaba up to Mahim and Sion).

3. (A) BEST is a "distribution licensee" under the present Electricity Act, 2003. BEST, under the Maharashtra Electricity Regulatory Commission (Specific Conditions of Distribution License applicable to Brihanmumbai Electric Supply & Transport Undertaking of the Municipal Corporation of Greater Mumbai) Regulations, 2007, is authorized and required to distribute or supply electricity in the area of supply specified therein, in accordance with the provisions of the Electricity Act, 2003.
- (B) BEST, being a statutory Undertaking of the Municipal Corporation of Greater Mumbai is also encompassed by the definition of a "Local Authority" under Section 2(41) of the Electricity Act, 2003.
4. Hon'ble Commission, vide letter dated 29th October, 2015, in the matter of Verification and Compliance of Renewable Purchase Obligation targets of BEST for FY 2014-15 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC framework) Regulations, 2010 has directed BEST to submit its replies to the questions raised in the letter on affidavit within two weeks from the date of the letter. Accordingly, BEST submits as follows:
5. The RPO settlement data for FY 2010-11 to FY 2014-15 submitted by MEDA to the Hon'ble Commission is verified and corrected statement is given below:

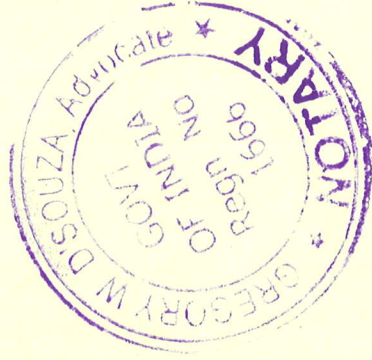


Table A: RPO settlement data for BEST for FY 2010-11 to FY 2014-15

Item	FY 2010-11		FY 2011-12		FY 2012-13		FY 2013-14		FY 2014-15		Cumulative MU
	%	MU	%	MU	%	MU	%	MU	%	MU	
Gross Energy Consumption	100%	4848	100%	4849	100%	4914	100%	4830	100%	4919.00	24360.04
Solar											
RPO Target	0.25%	12.12	0.25%	12.12	0.25%	12.29	0.50%	24.15	0.50%	24.60	85.28
RPO Achieved	0.0%	0	0.0%	0	0.00%	0	0.51%	24.60	1.08%	53.03	77.63
RPO (Surplus) / Shortfall	0.25%	12.12	0.25%	12.12	0.25%	12.29	(0.01%)	(0.45)	(0.58%)	(28.43)	7.65
Non-Solar											
RPO Target	5.75%	278.75	6.75%	327.31	7.75%	380.84	8.50%	410.55	8.50%	418.17	1815.63
RPO Achieved	4.52%	219.06	4.52%	219.07	11.08%	544.54	8.67%	418.82	8.51%	418.62	1820.11
RPO (Surplus) / Shortfall	1.23%	59.69	2.23%	108.2	(3.33%)	(163.7)	(0.17%)	(8.27)	(0.01%)	(0.44)	(4.48)
Mini / Micro Hydro											
RPO Target	0.10%	0.28	0.10%	0.33	0.10%	0.38	0.20%	0.82	0.20%	0.84	2.64
RPO Achieved	0.00%	0	0.00%	0	0.64%	2.44	1.71%	7.02	1.75%	7.32	16.78
RPO (Surplus) / Shortfall	0.10%	0.28	0.10%	0.33	(0.54%)	(2.06)	(1.51%)	(6.20)	(1.55%)	(6.48)	(14.14)

Note: The non-solar Renewable Energy (RE) procurement also includes procurement of non-solar Renewable Energy Certificates (RECs) through power exchanges.

6. As directed by the Hon'ble Commission, BEST submits its point-wise replies as follows:



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a) *BEST should verify the RPO settlement details for FY 2014-15, as submitted by MEDA and highlight discrepancies, if any, along with proper justification.*

BEST confirms the RPO settlement details for FY 2014-15 as mentioned in Table-A above.

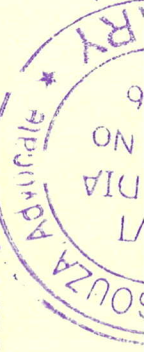
b) *BEST should submit the status of Solar RPO compliance as per the directives of the Commission vide Orders in Case No.181 of 2013 and Case No.191 of 2014 along with detailed statement for project wise energy procurement in MUs from all solar generating projects and project wise contracted solar power capacity in MW during FY 2010-11 to FY 2014-15.*

BEST confirms the cumulative shortfall of solar RPO of 7.65 MUs from FY 2010-11 to FY 2014-15 as indicated in Table-A above. MERC, vide its order dated 17th April 2013 in Case no. 30 of 2013 has relaxed/waived the Solar RPO targets as stipulated under Regulation 7.1 of the MERC (RPO-REC) Regulation 2010 for BEST for FY 2010-11 and FY 2011-12 and directed BEST to fulfil the solar target on a cumulative basis by FY 2015-16.

Detailed statement of project wise energy procurement from various solar RE sources from FY 2010-11 to FY 2014-15 are enclosed herewith as **Annexure A**. Detailed statement of project wise contracted solar RE power from FY 2010-11 to FY 2014-15 are enclosed herewith as **Annexure B**.

c) *BEST should submit the status of non-Solar RPO compliance including Min-Micro Hydro RPO compliance of as per the directives of the Commission vide Orders in Case No.181 of 2013 and Case No.191 of 2014 along with detailed statement for project wise energy procurement in MUs from all Non-Solar RE generating projects and project wise contracted Non-Solar RE power capacity in MW including Mini-Micro Hydro projects during FY 2010-11 to FY 2014-15.*

i. BEST confirms the cumulative surplus of Non-solar RPO of 4.48 MUs from FY 2010-11 to FY 2014-15 as indicated in Table-A above. Detailed statement of project wise energy procurement from various Non-solar RE sources from FY 2010-11 to FY 2014-15 are enclosed herewith as **Annexure C**. Detailed statement of project wise contracted



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Non-solar RE power from FY 2010-11 to FY 2014-15 are enclosed herewith as **Annexure D.**

- ii. In case no. 191 of 2014 in the matter of Verification and Compliance of Renewable Purchase Obligation Cumulative targets for FY 2013-14, the Commission was requested to allow BEST to carry forward BEST's surplus non-solar RPO at the end of FY 2013-14 to FY 2014-15. Commission, vide its Order dated 21st April, 2015, has disposed off the matter. However MERC has not mentioned anything regarding our prayer to allow BEST to carry forward BEST's surplus Non-solar RPO at the end of FY 2013-14 to FY 2014-15.
- iii. However MERC in its order in the matter of Suo-Motu Proceedings for Verification and Compliance of RPO targets by MSEDCL for FY 2012-13 (Case No. 180 of 2013) had given the ruling as follows:
- “As regards to MSEDCL's request for allowing surplus Renewable Energy purchased during previous years as carry forward, the Commission observed that the present Suo motu proceeding is initiated for verification of cumulative compliance of RPO targets by MSEDCL for FY 2010-11 to FY 2012-13. Further, in case of shortfall, the Commission has allowed the Distribution Licensees to meet their RPO on cumulative basis in upcoming years. Therefore, the Commission is of the opinion that the principle adopted for allowing shortfall as carry forward for meeting RPO needs also to be applied to surplus. Hence, the Commission allows MSEDCL's request for carry forward of surplus Non-Solar RE power of 386.52 MU of FY 2010-11 and FY 2011-12 to FY 2012-13. 19. The Commission observed that MSEDCL has shortfall of 684.89 MU during FY 2012-13 in meeting their Non- Solar RPO target. After considering the surplus of 386.52 MU of previous years, there is shortfall of 298.37 MU in FY 2012-13.”*
- iv. Based on the above ruling, BEST again requests Hon'ble Commission to consider the cumulative Non-solar surplus of 4.48 MUs from FY 2010-11 to FY 2014-15 towards Non-solar RPO compliance for FY 2015-16 thereby reducing the Non-solar RPO of current financial year.



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v. BEST confirms the cumulative surplus of Mini/micro Hydro power RPO of 14.13 MUs from FY 2010-11 to FY 2014-15 as indicated in Table-A above. Detailed statement of project wise energy procurement from various Mini/micro Hydro power sources from FY 2010-11 to FY 2014-15 is enclosed herewith as **Annexure E**. Detailed statement of project wise contracted Mini/micro Hydro power sources FY 2010-11 to FY 2014-15 is enclosed herewith as **Annexure F**.

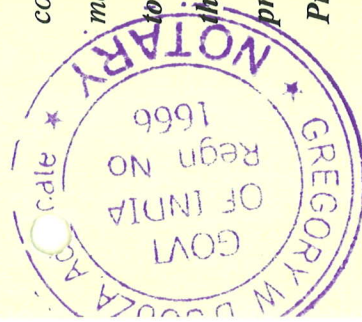
d) BEST should submit detailed list of actions and efforts undertaken by it, prior to and during FY 2014-15 to ensure compliance RPO targets in respect of Solar RPO, Non-Solar RPO and Mini-Micro Hydro RPO for FY 2014-15.

The detailed list of actions and efforts undertaken by BEST prior to and during FY 2014-15 to ensure compliance of RPO targets in respect of Solar, Non-solar and Mini/micro hydro power are as follows:

i. On 30.04.2008, BEST filed Case No. 45 of 2008 before Hon'ble Commission, for **approval of methodology of the EOI advertised on 03.09.2007, as a competitive bidding method for long term procurement of RE**. The Hon'ble Commission, by Order dated 21.11.2008 passed in said Case No. 45 of 2008, rejected the Petition filed by BEST on the ground of various infirmities making it not maintainable. The relevant Para 22 of said Order dated 21.11.2008 held, as follows:

“As is evident, there are infirmities in the Petition submitted by BEST, which cannot be covered by citing paucity of time. In view of this, the Petition filed by BEST is not maintainable and therefore stands rejected. However, the Commission grants liberty to BEST to file an appropriate Petition to seek the Commission's prior approval on the deviations contained in the bidding documents in accordance with the procedure prescribed by the “Guidelines for Determination of Tariff by Bidding Process for Procurement of Power by Distribution Licensees”. Moreover, BEST can always procure renewable energy as per rates and other terms approved by the Commission in its respective Orders as detailed in the table below, which are applicable for all licensees in the State of Maharashtra, and meet its RPS obligation.”

ii. On 20.03.2009, BEST appointed a consultant for preparation of competitive bidding document for long term power procurement from RE sources, to implement aforesaid



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Order dated 21.11.2008 passed by the Hon'ble Commission in Case No. 45 of 2008 filed by BEST. Thereafter, on 20.01.2010, BEST submitted vide Case No. 101 of 2009 to the Hon'ble Commission, competitive bidding documents for long term power procurement from RE sources for approval. The Hon'ble Commission, by Order dated 30th November 2012. granted liberty to BEST to file an appropriate Petition for any deviation, after the Ministry of Power has notified the final Standard Bidding Guidelines for procurement of power from Renewable Energy Sources.

- iii. In the meantime, BEST had been and is procuring RE by duly and publicly inviting Expression of Interest from RE generators to meet its RPS Obligations. Following table indicates the details regarding various Expression of Interest (EoIs) advertised by BEST since FY 2007-08:

EoI Summary					
Sr. No.	Expression Of Interest Advt. on	No of offers	Suitable offer	Not-Suitable	MU offered
1	3 rd Sept'2007	2	2	0	300 MUs from Spark Green
2	30 th Nov'2007	1	1	0	31
3	26 th June, 2008	23	9	14	6
4	16 th Jan 2009	11	6	5	21
5	4 th Aug'2009	5	5	0	93
6	15.May.2010	13	3	10	4
7	01 Sep. 2010	31	18	13	134
8	15. Feb-2011	49	12	37	220
9	15.Dec-2011	4	0	4	0
10	13. April-2012	10	6	4	345
11	08.Oct-2012	9	3	6	474
12	01 Jan-2013	8	2	6	499

- iv. Based on the responses to the EoIs, BEST issued Letter of Intent (LoIs) to all the eligible RE generators/traders by adhering to the MERC (RPO-REC) Regulations, 2010 and procured RE during FY 2010-11 to FY 2013-14. To meet RPO target for FY 2014-15, BEST continued some of the short term contracts by issuing Letter of Intent (LoIs).
- v. Hon'ble Commission, vide Order dated 26th December 2012 in Case no. 100 of 2012 in the matter of Verification and Compliance of Renewable Purchase Obligation targets by BEST Undertaking for FY 2010-11 and FY 2011-12 as specified under MERC (Renewable Purchase Obligation, its compliance and Implementation of REC



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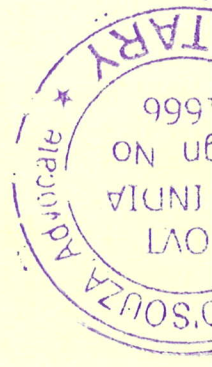
framework) Regulations, 2010 directed BEST to fulfill the shortfall in RPO targets for both Solar and Non-Solar (including mini/micro hydro targets) for FY 2010-11 and FY 2011-12 and RPO targets for FY 2012-13 cumulatively before 31 March, 2013. Hon'ble Commission further directed BEST to consider availability of Non-Solar RECs, as one of the options amongst various available options, for fulfillment of its cumulative shortfall in Non-Solar RPO targets for FY 2010-11 and FY 2011-12.

vi. BEST started procuring Non-solar RECs as early as FY 2010-11 by procuring 148 RECs (0.148 MU). During FY 2011-12, BEST procured 1000 RECs (1 MU of RE). Further to order of Hon'ble Commission in Case no. 100 of 2012, BEST, procured 4,39,884 RECs (439.884 MUs) during FY 2012-13 for fulfillment of cumulative Non-solar RPO for FY 2010-11 to FY 2012-13. Continuing this, BEST procured 2, 20,000 Non-solar RECs (220 MUs) during FY 2013-14 and 1, 76,000 Non-solar RECs (176 MUs) during FY 2014-15. By combination of actual renewable power and RECs, BEST has been able to surpass its Non-solar RPO for a period from FY 2010-11 to FY 2014-15. Following table summarizes BEST's REC procurement during the period from FY 2010-11 to FY 2014-15:

FY	No of Non-solar RECs procured	Total Non-solar MU's
2010-11	148	0.148
2011-12	1,000	1
2012-13	439,884	439.884
2013-14	220,000	220
2014-15	176000	176

e) **BEST should submit the details for long term RE procurement plan for meeting the RPO targets for FY 2015-16.**

i. BEST has entered into EPA with developers like M/s Spark Green Energy (Ahmednagar) Pvt. Ltd. and Spark Green Energy (Satara) Ltd. to procure total 50 MW of biomass-based Non-solar RE on long term basis. It is expected that the first unit of both projects at Ahmednagar and Satara will be commissioned in this financial year.



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ii. BEST has entered into PPA with M/s Welspun Energy Maharashtra Pvt. Ltd. to procure 20 MW Solar energy on long term basis. The project has been commissioned in October 2013 and is supplying about 2.5-3.0 MUs of Solar energy per month to BEST.

iii. Hon'ble Commission, vide Order dated 24th April 2015 in Case no. 191 of 2014 in the matter of Verification and Compliance of Renewable Purchase Obligation targets by BEST Undertaking for FY 2013-14 as specified under MERC (Renewable Purchase Obligation, its compliance and Implementation of REC framework) Regulations, 2010 directed BEST to make up for past shortfalls, including the shortfall in FY 2013-14, by fulfilling its Solar RPO target on a cumulative basis by the end of FY 2015-16. If BEST is unable to procure sufficient Solar power for the purpose, it should meet the shortfall by purchase of Solar RECs to that extent before 31 March, 2016.

BEST has surplus its standalone solar RPO target by 28.43 MU for FY 2014-15 and BEST's cumulative shortfall in solar RPO for FY 2010-11 to FY 2014-15 is 7.65 MUs. However based on projected energy for FY 2015-16, BEST will have a cumulative solar RPO shortfall of 1.07 MU which will be met by Short Term contracts or by purchasing Solar REC before 31 March, 2016 as directed by Hon'ble Commission, vide Order dated 24th April 2015 in Case no. 191 of 2014.

Fulfillment of BEST's Solar RPO target on a cumulative basis by the end of FY 2015-16 is shown below:

FY	Gross Energy in MUs (Actual/Projected)	% Solar RPO	Target MUs	Welspun Energy	Short Term Contract	Surplus / Shortfall in MUs	Cumulative Surplus / Shortfall in MUs
2010-11	4844.23	0.25	12.11	0.00	0.00	12.11	12.11
2011-12	4849.11	0.25	12.12	0.00	0.00	12.12	24.23
2012-13	4914.00	0.25	12.29	0.00	0.00	12.29	36.52
2013-14	4830.14	0.5	24.15	16.66	7.94	-0.45	36.07
2014-15	4919.68	0.5	24.60	34.28	18.74	-28.42	7.65
2015-16	4983.88	0.5	24.92	31.50	1.07	-7.65	0.00
	Total		110.19	82.44	25.00		116.58

iv. Any shortfall in Solar as well as in Non-solar RE procurement of BEST shall be met by procuring Renewable Energy Certificates on power exchanges.



7. In view of above, BEST respectfully prays that the Hon'ble Commission may be pleased to:

- i) Condone the delay of 31 days in filing the replies to the letter dated 29th October, 2015
- ii) Take into consideration the earnest efforts taken by BEST in meeting Non-solar RPO for FY 2014-15 and allow BEST to carry forward BEST's surplus Non-solar RPO of 4.48 MUs up to FY 2014-15 to FY 2015-16 in order to reduce BEST Non-solar RPO for FY 2015-16 to that extent.
- iii) Grant the liberty to BEST Undertaking to add/change/modify/alter this affidavit and make further submissions as may be required at future date.
- iv) Pass such further and other orders as the Hon'ble Commission may deem fit and proper keeping in view of the facts and circumstances of the case.

(R.D. Patsute)
Chief Engineer (Regulatory)
For Brihanmumbai Electric Supply and Transport Undertaking



Annexure- A

Detailed statement for project wise
energy procurement in MUs from
various Solar RE sources

(FY 2010-11 TO FY 2014-15)

Detailed statement for project wise energy procurement in MUs from various Solar RE sources

FY 2010-11			
Sr.No.	SOURCE	Energy at delivery Point	Energy at InSTS
Total	Nil	-	0.0000
FY 2011-12			
Sr.No.	SOURCE	Energy at delivery Point	Energy at InSTS
Total	Nil	-	0.0000
FY 2012-13			
Sr.No.	SOURCE	Energy at delivery Point	Energy at InSTS
Total	Nil	-	0.0000
FY 2013-14			
Sr No	SOURCE	Energy at delivery Point	Energy at InSTS
	NAME	Type	in MU's
1	WELSPUN Energy Maharashtra Pvt. Ltd.	Solar PV	16.6584
2	Hemant Group (PVSP-03)	Solar PV	1.2345
3	Gangadhar Narsingadas Agrawal (PVSP-20)	Solar PV	0.8002
4	Saidpur Jute Co. Ltd. (PSVP-19)	Solar PV	0.4636
5	G. I. Energies (PSVP-17)	Solar PV	0.4548
6	Agrawal Minerals Goa Pvt. Ltd. (PSVP-10)	Solar PV	3.2476
7	Patel Wood Syndicate (PSVP-06)	Solar PV	0.6618
8	New Patel Saw Mill (PSVP-05)	Solar PV	0.4118
9	Dr. D.H. Patel. (PSVP004)	Solar PV	0.4207
10	Advik Hi-Tech Pvt Ltd (PSVP-16)	Solar PV	0.2473
	Total		24.60
FY 2014-15			
Sr No	SOURCE	Energy at delivery Point	Energy at InSTS
	NAME	Type	in MU's
1	WELSPUN Energy Maharashtra Ltd.	Solar PV	34.28
2	Govindram Shobaram &Co	Solar PV	0.95
3	Patel Wood syndicate	Solar PV	1.57
4	New Patel Saw Mill	Solar PV	1.57
5	Dr. D.H. Patel	Solar PV	1.62
6	Agrawal Minaral Goa Pvt Ltd.	Solar PV	6.06
7	Gangadhar Narsingdas Agrawal	Solar PV	1.52
8	Saidpur Jute Co Ltd.	Solar PV	0.89
9	Triveni Sangam & Trading Pvt. Ltd.	Solar PV	1.75
10	Parekh Medisales Pvt. Ltd.	Solar PV	0.94
11	G.I. Energies.	Solar PV	0.93
12	Saraswati Industries.	Solar PV	0.94
	Total		53.03

Annexure- B

Detailed statement for project wise
Contracted Solar RE power in MW
during.

(FY 2010-11 TO FY 2014-15)

Annexure- B

Project wise contracted Solar RE power in MW

FY 2010-11			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Nil	-	0.00
Total			0.00
FY 2011-12			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Nil	-	0.00
Total			0.00
FY 2012-13			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Nil	-	0.00
Total			0.00
FY 2013-14			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	M/s. Welspun Energy Maharashtra	Solar-PV	20.00
2	Hemant Group (PVSP-03)	Solar PV	1.20
3	Gangadhar Narsingadas Agrawal (PVSP-20)	Solar PV	1.00
4	Saidpur Jute Co. Ltd. (PSVP-19)	Solar PV	0.60
5	G. I. Energies (PSVP-17)	Solar PV	0.60
6	Agrawal Minerals Goa Pvt. Ltd. (PSVP-10)	Solar PV	4.00
7	Patel Wood Syndicate (PSVP-06)	Solar PV	1.00
8	New Patel Saw Mill (PSVP-05)	Solar PV	1.00
9	Dr. D.H. Patel. (PSVP004)	Solar PV	1.00
Total			30.40
FY 2014-15			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	M/s. Welspun Energy Maharashtra	Solar-PV	20.00
2	Patel Wood Syndicate	Solar-PV	1.00
3	Dr. D.H.Patel.	Solar-PV	1.00
4	New Patel Saw Mill	Solar-PV	1.00
5	Saidapur Jute Co. Ltd.	Solar-PV	0.60
6	Triveni Sangam Holdings & Trading Co. Pvt. Ltd.	Solar-PV	1.20
7	G.I. Energies.	Solar-PV	0.60
8	Agrawal Minerals (Goa) Pvt. Ltd.	Solar-PV	4.00
9	Gangadhar Narsingadas Agrawal	Solar-PV	1.00
10	Parekh Medisales Pvt.Ltd.	Solar-PV	0.60
11	Saraswati Industries	Solar-PV	0.60
12	Govindram Shobharam & Co.	Solar-PV	0.60
Total			32.20

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Annexure- C

Detailed statement for project wise
energy procurement in MUs from
various Non-Solar RE sources

(FY 2010-11 TO FY 2014-15)

Detailed statement for project wise energy procurement in MUs from various Non-Solar RE sources

Sr.No.	SOURCE		Energy at delivery Point		Energy at InSTS
	NAME	Type	MUs	MUs	
1	LSECIL	Bagasses	50.53		50.53
2	M/s Celerity Power	Small Hydro	18.54		17.43
3	SDSSSKL	Bagasses	0.86		0.86
4	LSECIL - AGRO	Bagasses	7.16		6.73
5	Ugar Sugar Works Ltd	Bagasses	11.34		11.34
6	Vishvnath Sugar Ltd (14 MW)	Bagasses	10.40		10.40
7	Hiranyakeshi SSK Ltd	Bagasses	14.83		14.86
8	Ind SynergyLtd (TPTCL)	Wind	0.25		0.24
9	Varroc Engineering,	Wind	0.39		0.36
10	Varroc Engineering,	Wind	0.50		0.47
11	Savita Chemicals Ltd.	Wind	2.03		1.90
12	Savita Chemicals Ltd.	Wind	0.98		0.92
13	Savita Chemicals Ltd.	Wind	0.26		0.24
14	Deccan Ind Explosive Pvt.	Wind	0.18		0.17
15	AJANTA Ltd,	Wind	6.84		6.43
16	AJANTA Ltd,	Wind	6.39		6.01
17	Khuda Gawah Invest Pvt. Ltd,	Wind	0.38		0.36
18	Nalini Properties Pvt. Ltd,	Wind	0.48		0.45
19	Sagar Agengies Pvt. Ltd,	Wind	0.41		0.38
20	Sharada Erectors Pvt. Ltd,	Wind	0.00		0.00
21	Sharada Erectors Pvt. Ltd	Wind	0.00		0.00
22	Weizmann Ltd, PH II,	Wind	7.13		6.70
23	Weizmann Ltd, PH I	Wind	7.42		6.98
24	Kohinoor Power co.	Wind	2.15		2.02
25	Laxmi Metal Pressing Work	Wind	0.44		0.42
26	Malpani Developer	Wind	0.37		0.35
27	M/s.Poonawalla Finvest & Agro Pvt.Ltd.	Wind	0.32		0.30
28	M/s.Simone Poonwalla Const&Stud Pvt.Ltd.	Wind	0.33		0.31
29	M/s.Serum international Ltd.	Wind	0.03		0.03
30	Varroc Engineering,	Wind	0.82		0.77
31	Sun. n. Sand,	Wind	2.86		2.69
32	Varroc Engineering,	Wind	0.97		0.91
33	Yashshri Press	Wind	0.06		0.06
34	M/s. Sharada Const & Invest Co.	Wind	0.41		0.39
35	M/s.Vaman Prestressing Co. Ltd.	Wind	0.46		0.43
36	Karma Energy Ltd PH I	Wind	6.67		6.27
37	Karma Energy Ltd PH II	Wind	6.57		6.18
38	Sun. n. Sand Hotel (Shirdi),	Wind	1.33		1.25
39	Shraddha Energy,	Wind	0.45		0.42
40	Shraddha Energy,	Wind	0.58		0.55
41	Sun. n. Sand Hotel,	Wind	1.91		1.80
42	Abhay Shah, (Global)	Wind	0.36		0.34
43	Hindustan Distilleries, (Global)	Wind	0.41		0.39
44	M/s. Jayshree Polymers,	Wind	0.46		0.43
45	Patan Ltd.	Wind	0.43		0.40
46	Patankar Ltd,	Wind	0.50		0.47
47	Padmavati WEPL,	Wind	0.52		0.49
48	Sangram Patil,	Wind	0.48		0.46
49	Dharamsi & Dharamsi	Wind	0.49		0.47
50	Standard Greases Pvt Ltd	Wind	0.44		0.41
51	Indo Enterprises,	Wind	1.87		1.76
52	Hindustan Distilleries,	Wind	0.73		0.69
53	M/s. Jayshree Polymers,	Wind	0.48		0.45
54	M/s. Ramdevbaba Steel Pvt Ltd.	Wind	1.40		1.32

FY 2010-11

Sr.No.	SOURCE	Energy at delivery Point	Energy at InSTS
55	Jivraj Tea Co	Wind	0.10
56	M/s. Jivraj Tea & Ind Ltd	Wind	0.71
57	M/s. Sable Waghire &co pvt Ltd.	Wind	0.45
58	M/S Jivraj Tea Ltd	Wind	0.70
59	Sumitinath Enterprise	Wind	0.44
60	Garden Court	Wind	0.45
61	Naren Traders & Consultants.	Wind	0.44
62	Global Energy Godawat	Wind	0.10
63	Global Sunjay Godawt	Wind	0.08
64	Global Godawat	Wind	0.19
65	Global Sunjay Godawt	Wind	0.11
66	Global Godawat	Wind	0.46
67	Global Godawat	Wind	0.47
68	Global B.S. Channabassappa & Sons	Wind	0.39
69	Global Shyadri Ind	Wind	0.56
70	Global Laxmi Rikshwa Body Co	Wind	0.39
71	Champion Jointing Pvt Ltd.	Wind	0.10
72	Khanna Ind Pipe Pvt Ltd	Wind	0.30
73	Dristi Ind Ltd	Wind	0.41
74	Om Wind Farm	Wind	0.26
75	Yashshri Press	Wind	0.45
76	Phoenix Enterprise	Wind	0.43
77	Phoenix Enterprise	Wind	0.34
78	Rucha Engineers pvt Ltd	Wind	0.46
79	Umesh M Dashrati	Wind	0.30
80	Suvi Rubber	Wind	0.22
81	Rubberex Ind Pvt Ltd	Wind	0.22
82	Punit Construction (GLOBEL)	Wind	0.48
83	Punit Const Co (GLOBEL)	Wind	0.51
84	Kwality Tobaccco Product (Global) S-102	Wind	0.69
85	SakalPaper -I (Global)	Wind	0.52
86	SakalPaper -II (Global)	Wind	0.64
87	J.M. Ind (Global)	Wind	0.76
88	V.L. Patel(Global)	Wind	0.22
89	Surana Venture Ltd	Wind	2.03
90	Laxmi Ind (Global)	Wind	0.62
91	Amarshwara Ind (Global)	Wind	0.97
92	B.S. Chanapabasapa (Global)	Wind	2.04
93	D.K. Engg (Global)	Wind	1.01
94	H.H. Patel &co(Global)	Wind	0.66
95	Osho Devlopers(Global)	Wind	0.33
96	Gajanan Tower Pvt Ltd (Global)	Wind	0.64
97	Topaz Investment (Global)	Wind	2.23
98	Sheela Shivraj(Global)	Wind	0.46
99	Sai Prem Decloper (Global)	Wind	0.41
100	Shraddha Energy & Infra (Global)	Wind	8.01
101	Purushottam Lohia (Global)	Wind	0.00
102	Ushdev International Ltd (Global)	Wind	1.68
103	LAP Finance & Consultant Pvt Ltd.	Wind	1.26
104	Rucha Engineers pvt Ltd	Wind	0.07
105	Navakha Translines	Wind	0.44
106	MediLink Services	Wind	0.64
107	Navakha Transline	Wind	0.39
108	R. M. Dhariwal (GLOBEL)	Wind	0.06
109	Sunjay Ghodavat (GLOBEL)	Wind	0.05
110	Sunjay Ghodavat IND (GLOBEL)	Wind	0.01
111	Dhariwal Ind Ltd (GLOBEL)	Wind	0.23
112	Jayshree Polymer (GLOBEL)	Wind	0.10
113	Premier Sales (Global)	Wind	0.04

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Sr.No.	SOURCE		Energy at delivery Point	Energy at InSTS
114	D.J. Malpani (GLOBAL)	Wind	0.01	0.01
115	Malpani Tea Corporation (GLOBAL)	Wind	0.03	0.03
116	Sargam Retails (GLOBEL)	Wind	0.01	0.01
117	G B Rubber Product (GLOBEL)	Wind	0.01	0.01
118	Sargam Retails MTR -II (GLOBEL)	Wind	0.01	0.01
119	Subhash B. Muftha. (GLOBEL)	Wind	0.04	0.04
120	S.K. Parikh (GLOBEL)	Wind	0.01	0.01
121	Carpex Chemical Pvt Ltd (GLOBEL)	Wind	0.03	0.03
122	D. J. Malpani Mtr-II (GLOBEL)	Wind	0.01	0.01
123	Sahyadri Ind (Global)	Wind	0.23	0.21
124	J.V. PATEL (Global)	Wind	0.12	0.12
125	S.V. PATEL (Global)	Wind	0.10	0.10
126	V.L.PATEL (Global)	Wind	0.09	0.09
127	Siddhaya Ayurvedik (GLOBEL)	Wind	0.69	0.65
128	Metalek Techno (GLOBEL)	Wind	0.09	0.08
129	Laxmi Ind (Global)	Wind	0.07	0.06
130	R. M. Dhariwal (GLOBEL)	Wind	0.09	0.08
131	B.S.C. Textile. (GLOBEL)	Wind	0.02	0.01
132	B.S.Channapabassapa. (GLOBEL)	Wind	0.02	0.02
133	Vandana /Textile (GLOBEL)	Wind	0.02	0.02
134	Umang Textile (GLOBEL)	Wind	0.02	0.02
135	Rajeev Govind Joshi (GLOBEL)	Wind	0.01	0.01
136	Vishnu Textile (GLOBEL)	Wind	0.02	0.02
137	B.S.Channapabassapa. (GLOBEL)	Wind	0.01	0.01
138	Laxmi Metal Pressing (GLOBEL)	Wind	0.01	0.01
139	Laxmi Rikshaw Body (GLOBEL)	Wind	0.02	0.02
140	Bhanudas G Raibage. (GLOBEL)	Wind	0.07	0.06
141	Mahabal Auto (GLOBEL)	Wind	0.07	0.07
142	Veer Bhandareswar ?Floor Mill (GLOBEL)	Wind	0.05	0.05
143	B.S.C. Textile (GLOBEL)	Wind	0.04	0.04
144	Jadhao Gears Pvt Ltd (GLOBEL)	Wind	0.10	0.10
145	Kawality Tabaco (GLOBEL)	Wind	0.06	0.06
146	Balkrishna Sizing Ind (GLOBEL)	Wind	0.05	0.05
147	Sridevi Trading Co (GLOBEL)	Wind	0.04	0.04
148	Kiran Energy Infra (GLOBEL)	Wind	0.09	0.08
149	Pragati Agency (GLOBEL)	Wind	0.07	0.07
150	Tejas Sizers (GLOBEL)	Wind	0.04	0.04
151	G.I.Energies (GLOBEL)	Wind	0.04	0.04
152	S.K. Shivraj (GLOBEL)	Wind	0.05	0.05
153	Gujrat Tea Traders (GLOBEL)	Wind	0.08	0.08
154	Jathar Textile (GLOBEL)	Wind	0.05	0.05
155	Shradhha Energy & Infra (GLOBEL)	Wind	0.12	0.11
156	Sayahdri Ind Ltd (GLOBEL)	Wind	0.43	0.40
157	Sayahdri Ind Ltd (GLOBEL)	Wind	0.23	0.21
158	V L Patel (GLOBEL)	Wind	0.07	0.07
159	Shradhha Energy & Infra Mtr-II (GLOBEL)	Wind	0.09	0.08
160	Deccan Ind Explosives (GLOBEL)	Wind	0.04	0.03
161	Jivraj Tea Co (GLOBAL)	Wind	0.02	0.01
162	Dr Anil P. Hirvani (GLOBAL)	Wind	0.02	0.02
163	Sunako Trading (GLOBAL)	Wind	0.01	0.01
164	Sai Associates (GLOBAL)	Wind	0.01	0.01
165	Gangamai Ind & Const Ltd (GLOBEL)	Wind	0.06	0.06
166	Star Flexi- Pack Ind (GLOBEL)	Wind	0.01	0.01
167	Laxmi Rickshwa Body (GLOBEL)	Wind	0.01	0.01
168	Gharrkul Ind (GLOBEL)	Wind	0.03	0.03
169	Dhanwal Ind Ltd (GLOBEL)	Wind	0.38	0.36

Sr.No.	SOURCE	Energy at delivery Point	Energy at InSTS
170	Bohra Agro Eq Ltd. (GLOBEL) Wind	0.03	0.03
171	Suzlon Tower & Structur Ltd. (GLOBEL) Wind	0.20	0.19
	REC Non-Solar	0.148	0.148
	Total	227.37	219.06

FY 2011-12

Sr No	SOURCE	Energy at delivery Point	Energy at InSTS
	NAME	MUS	MUS
	Type		
1	TPTCL-(LOKMANGAL)	32.05	32.05
2	TPTCL-(LOKMANGAL AGRO)	4.56	4.29
3	TPTCL-(CELERITY)	9.14	8.59
4	TPTCL-(A.A. Energy)	41.86	41.69
5	TPTCL-(Yash Agro Energy Ltd)	26.06	23.70
6	TPTCL- (Pioneer Distilleries Ltd)	3.91	4.13
7	TPTCL- (Indra Power Gen Ltd)	14.69	14.69
8	Knowledge Infra (RR Energy)	28.00	28.00
9	GEPL (Jamkhandi Sugar)	2.46	2.43
10	Knowledge Infra (Godawari)	22.33	22.33
11	TPTCL-Shri Nakoda Ispat Ltd	36.16	36.16
	REC Non-Solar	1.00	1.00
	TOTAL	222.22	219.07

FY 2012-13

Sr No	SOURCE	Energy Procured at Seller End	Energy at InSTS
	NAME	MUS	MUS
	Type		
1	TPTCL-(LOKMANGAL AGRO)	7.00	6.58
2	TPTCL- (Pioneer Distilleries Ltd)	5.61	5.27
3	TPTCL- (A.A. Energy)	7.66	7.66
4	RETL - Greata Energy	56.48	56.48
5	Urjankur- Global Energy	14.60	14.60
6	RETL - Urjankur Warna power	11.63	11.63
	REC Non-Solar	439.884	439.884
	TOTAL (A)	542.86	542.10

FY 2013-14

Sr No	SOURCE	Energy at delivery Point	Energy at InSTS
	NAME	in MU's	in MU's
	Type		
1	TPTCL-(LOKMANGAL AGRO)	6.7530	6.3481
2	TPTCL-(Pioneer)	3.8724	3.7050
3	RETL (Greta Energy)	101.6944	101.6944
4	RETL (Maharashtra Vidyut Nigam)	49.6880	49.6880
5	RETL (Yash Agro Energy Ltd)	26.9080	25.5101
6	TPTCL (A.A. Energy)	4.8546	4.8546
	RE	193.77	191.80
	REC	220.00	220.00
	Total RPO	413.77	411.80

FY 2014-15

Sr No	SOURCE	Energy at delivery Point	Energy at InSTS
	NAME	in MU's	in MU's
	Type		
1	Pioneer Distilleries Ltd.	2.10	1.97

Sr.No.	SOURCE		Energy at delivery Point	Energy at InSTS
2	Greta Energy Ltd	Biomass	98.68	98.68
3	Maharashtra Vidyut Nigam Ltd	Biomass	70.13	70.13
4	A.A. Energy	Biomass	16.93	16.93
5	GMT Mining & Power	Biomass	8.71	8.71
6	Lokmangal Agro Ltd	Bagasse	10.10	9.49
7	Yash Agro Energy Ltd	Bagasse	30.42	28.60
8	Sanyadri Renewable Energy Pvt Ltd.	Small Hydro	0.86	0.79
		RE		
		REC Non-Solar	237.94	235.30
		BEST Total RPO	176.00	176.00
			413.94	411.30

Annexure- D

Detailed statement for project wise
Contracted Non-Solar RE power in MW
during.

(FY 2010-11 TO FY 2014-15)

Project wise contracted Non-Solar RE power in MW

Annexure- D

FY 2010-11			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	M/s. TPTCL	Bagasses	3.00
2	M/s. IPTCL	Bio-gas	4.73
3	M/s. IPTCL	Small Hydro	7.00
4	M/s. TPTCL	Bagasses	15.00
5	M/s. TPTCL	Bagasses	3.00
6	M/s. TPTCL	Bagasses	10.00
7	M/s. Savita Oil Technologies Ltd.	Wind	2.25
8	M/s. Savita Oil Technologies Ltd.	Wind	2.25
9	M/s. Varroc Engineering Pvt. Ltd.	Wind	1.00
10	M/s. D. J. Malpani	Wind	1.75
11	M/s. Varroc Engineering Pvt. Ltd.	Wind	1.05
12	M/s. Varroc Engineering Pvt. Ltd.	Wind	1.05
13	M/s. Varroc Engineering Pvt. Ltd.	Wind	1.00
14	M/s. Deccan Industrial Explosives	Wind	0.35
15	M/s. Ajanta Limited	Wind	4.90
16	M/s. Sun N Sand Hotels Pvt. Ltd.	Wind	2.00
17	M/s. Nalini Properties Pvt. Ltd.	Wind	0.35
18	M/s. Khuda Gawah Investments Pvt. Ltd.	Wind	0.35
19	M/s. Sagar Agencies Pvt. Ltd.	Wind	0.35
20	M/s. Simone Poonwalla Const&Stud Pvt.Ltd.	Wind	0.35
21	M/s. Serum international Ltd.	Wind	0.75
22	M/s. Poonawalla Finvest & Agro Pvt.Ltd.	Wind	0.35
23	M/s. Savita Oil Technologies Ltd.	Wind	6.00
24	M/s. Khuda Gawah Investments Pvt. Ltd.	Wind	0.35
25	M/s. Nalini Properties Pvt. Ltd.	Wind	0.35
26	M/s. Varroc Engineering Pvt. Ltd.	Wind	1.05
27	M/s. Usha Compu-Tel Pvt. Ltd.	Wind	0.50
28	M/s. Usha Electronics	Wind	1.00
29	M/s. Sun N Sand Hotels Pvt. Ltd.	Wind	1.20
30	M/s. Sun N Sand Hotels Pvt. Ltd.	Wind	1.00
31	M/s. Abhay K. Shah	Wind	0.35
32	M/s. Shradha Energy & Infra Projects Pvt Ltd	Wind	1.75
33	M/s. Shradha Energy & Infra Projects Pvt. Ltd	Wind	1.40
34	Shri Padmawati Wind Energy Pvt. Ltd.	Wind	0.35
35	M/s Patankar Wind Farms Pvt. Ltd.	Wind	0.35
36	M/s Patan Wind Energy Ltd.	Wind	0.35
37	M/s Hindustan Distilleries	Wind	0.35
38	M/s Vaman Prestressing Company Ltd.	Wind	0.35
39	M/s. Dharamsi & Dharamsi oil pvt Ltd	Wind	0.35
40	M/s Hindustan Distilleries	Wind	0.70
41	M/s Indo Enterprises Pvt Ltd	Wind	1.40

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Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
42	M/s. Jayashree Polymers Pvt. Ltd	Wind	0.35
43	M/s. Karma Energy Ltd	Wind	4.50
44	M/s. Karma Energy Ltd	Wind	4.50
45	Sangram Patil	Wind	0.35
46	M/s Standard Greases Pvt Ltd	Wind	0.35
47	M/s Jivraj Tea Ltd	Wind	1.00
48	M/s Jivraj Tea Ltd	Wind	0.35
49	M/s Jivraj Tea Ltd	Wind	1.00
50	M/s Sumatinath Enterprises.	Wind	0.35
51	M/s. Shree Ramdeobaba Steel Pvt Ltd.	Wind	1.00
52	M/s. Sable Waghire & Co Pvt Ltd.	Wind	0.35
53	M/s. Jayashree Polymers Pvt. Ltd	Wind	0.35
54	M/s. Garden Court Distilleries Pvt Ltd.	Wind	0.35
55	M/s. Ajanta Limited	Wind	5.25
56	M/s. Savita Oil Technologies Ltd.	Wind	0.75
57	M/s Champion Jointing Pvt Ltd.	Wind	0.35
58	M/s. Disti Industries Ltd.	Wind	0.35
59	M/s. Naren Traders & Consultant.	Wind	0.35
60	M/s. TPTCL	Wind	1.15
61	M/s. TPTCL	Wind	1.15
62	M/s. Sagar Agencies Pvt. Ltd.	Wind	0.35
63	M/s. Global Energy Pvt Ltd.	Wind	0.35
64	M/s. Global Energy Pvt Ltd.	Wind	0.35
65	M/s. Global Energy Pvt Ltd.	Wind	0.35
66	M/s. Global Energy Pvt Ltd.	Wind	0.35
67	M/s. Global Energy Pvt Ltd.	Wind	0.23
68	M/s. Global Energy Pvt Ltd.	Wind	0.69
69	M/s. Global Energy Pvt Ltd.	Wind	0.35
70	M/s. Global Energy Pvt Ltd.	Wind	0.35
71	M/s. Global Energy Pvt Ltd.	Wind	0.35
72	M/s. Global Energy Pvt Ltd.	Wind	0.35
73	M/s. Global Energy Pvt Ltd.	Wind	0.23
74	M/s. Global Energy Pvt Ltd.	Wind	1.38
75	M/s. Global Energy Pvt Ltd.	Wind	1.38
76	M/s. Global Energy Pvt Ltd.	Wind	1.38
77	M/s. Phoenix Enterprises	Wind	0.35
78	M/s. Phoenix Enterprises	Wind	0.35
79	M/s. Yashshree Press Comps Pvt Ltd	Wind	0.23
80	M/s. Yashshree Press Comps Pvt Ltd	Wind	0.35
81	M/s. Om Wind Farms	Wind	0.35
82	M/s. Global Energy Pvt Ltd.	Wind	4.80
83	M/s. Rucha Engineering Pvt Ltd.	Wind	0.35
84	M/S. Umesh M. Dashrathi.	Wind	0.35
85	M/S. Khanna Ind Pipe Pvt Ltd.	Wind	0.35
86	M/s. Rucha Engineering Pvt Ltd.	Wind	0.23
	Total		122.26

Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
FY 2011-12			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	TPTCL-(LOKMANGAL)	Bagasses	8.50
2	TPTCL-(LOKMANGAL AGRO)	Bagasses	1.80
3	TPTCL-(CELERITY)	Small Hydro	3.50
4	TPTCL-(Yash Agro)	Biomass	7.00
5	TPTCL-(A.A. Energy)	Biomass	9.00
6	TPTCL-(Pioneer)	Bio-gas	4.73
7	TPTCL-(Indra Power)	Biomass	8.50
8	TPTCL-(Biomass Power)	Bio-gas	11.20
9	TPTCL-(Nakoda Ispat)	Biomass	10.50
10	Knowledge Infrastructure (R.R.Energy)	Biomass	13.50
11	Global (Jamkhandi Sugar)	Bagasses	5.00
12	Global (Nandi)	Bagasses	7.00
13	Shalivahan Biomass Project	Biomass	9.00
14	Shalivahan Greeg Energy Ltd	Biomass	13.50
15	Hema Sri Power Ltd	Biomass	11.34
16	M/s. Nalini Properties Pvt. Ltd.	Wind	0.35
17	M/s. Khuda Gawah Investments Pvt. Ltd.	Wind	0.35
Total			124.77

Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
FY 2012-13			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	TPTCL-(LOKMANGAL AGRO)	Bagasse	5.00
2	TPTCL-(Pioneer)	Bio-gas	5.00
3	Krishna Valley Power Pvt Ltd.	Small Hydro	1.00
4	Shyadri Renewable Energy Ltd.	Small Hydro	1.00
5	Global Energu (URJANKUR)	Bagasse	10.00
6	RETL (Urjankur Warna Power)	Bagasse	9.50
7	RETL (Greta Energy)	Biomass	13.50
Total			45.00

Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
FY 2013-14			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	TPTCL-(Pioneer)	Bio-gas	2.20
2	RETL (Greta Energy)	Biomass	13.50
3	Sahyadri Renewable Energy Ltd.	Small Hydro	1.50
4	RETL (GMT Mining)	Biomass	9.00
5	RETL (Maharashtra Vidyut Nigam)	Biomass	9.00
6	Shalivahana green Energy Ltd	Biomass	12.00
7	Shalivahan Biomass Power	Biomass	7.00
8	RETL (Yash Agro)	Biomass	7.00
9	Ratnagiri Wind Power Project Pvt Ltd.	Wind (Gr-I)	36.80
10	TPTCL (A.A. Energy)	Biomass	9.00
Total			107.00
FY 2014-15			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Sahyadri Renewable Energy Pvt Ltd.	Small Hydro	1.50
2	Lokmangal Agro Ltd	Bagasse	4.00
3	Pioneer Distilleries Ltd.	Bio-gas	2.20
4	Yash Agro Energy Ltd	Biomass	7.00
5	Greta Energy Ltd	Biomass	13.50
6	Maharashtra Vidyut Nigam Ltd	Biomass	9.00
7	GMT Mining & Power Pvt Ltd.	Biomass	9.00
8	A.A. Energy	Biomass	9.00
Total			55.20

Annexure- E

C

Detailed statement for project wise energy procurement in MUs from various Mini-Micro Hydro RE sources (FY 2010-11 TO FY 2014-15)

C

Annexure- E

Detailed statement for project wise energy procurement in MUs from various Mini-Micro RE sources

FY 2010-11				
Sr.No.	Source Name	Source Types	Energy Procured at Seller End inMUs	Energy at InSTS in Mus
1	Nil		0.00	0.00
	Total		0.00	0.00

FY 2011-12				
Sr.No.	Source Name	Source Types	Energy Procured at Seller End inMUs	Energy at InSTS in Mus
1	Nil		0.00	0.00
	Total		0.00	0.00

FY 2012-13				
Sr No	SOURCE	Energy Procured at Seller End	Energy at InSTS	
	NAME	MUs	MUs	
	Type			
1	Krishna Valley Power (Vajra-2)	2.68	2.44	
	TOTAL	2.68	2.44	

FY 2013-14				
Sr No	SOURCE	Energy Procured at Seller End	Energy at InSTS	
	NAME	MUs	MUs	
	Type			
1	Krishna Valley Power Pvt Ltd.	7.72	7.02	
	TOTAL	7.72	7.02	

FY 2014-15				
Sr No	SOURCE	Energy Procured at Seller End	Energy at InSTS	
	NAME	MUs	MUs	
	Type			
1	Krishna Valley Power Pvt Ltd.	8.04	7.32	
	TOTAL	8.04	7.32	

Annexure- F

Detailed statement for project wise
Contracted Mini-Micro Hydro RE
power in MW during.

(FY 2010-11 TO FY 2014-15)

Annexure- F

Project wise contracted Non-Solar Mini-Micro Hydro RE power in MW

FY 2010-11			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Nil	Mini Hydro	0.00
Total			0.00

FY 2011-12			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Nil	Mini Hydro	0.00
Total			0.00

FY 2012-13			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Krishna Valley Power Pvt Ltd.	Mini Hydro	1.00
Total			1.00

FY 2013-14			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Krishna Valley Power Pvt Ltd.	Mini Hydro	1.00
Total			1.00

FY 2014-15			
Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	Krishna Valley Power Pvt Ltd.	Mini Hydro	1.00
Total			1.00

599/C