

Acknowledgement Copy
The Brihan Mumbai Electric Supply & Transport Undertaking

(OF THE BRIHAN MUMBAI MAHANAGARPALIKA)

TELEPHONE : (022) 22856262
FAX : (022) 22851244
TELEX : 1185755 BEST IN
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. CER/MERC/112/2014

DATE: 17 DEC 2014

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

Respected Sir,

Sub: Verification and Compliance of Renewable Purchase
Obligation targets of BEST for FY 2013-14 as specified under
MERC (Renewable Purchase Obligation, its Compliance and
Implementation of REC framework) Regulations, 2010 (Case
No. 191 of 2014)
- Submission of BEST's reply on affidavit

Ref: Notice MERC/RE Cell-5/RPO/2014-15/01205
dated 24th November, 2014


Hon'ble Commission, vide Notice dated 24th November, 2014 referred above,
in the matter of verification and compliance of RPO for FY 2013-14 as specified under
MERC (RPO-REC) Regulations, 2010 (Case No. 191 of 2014) has directed BEST to
submit its replies to the questions raised in the aforesaid Notice on Affidavit.

Accordingly, BEST Undertaking is herewith submitting its replies to the
questions raised in the aforesaid Notice dated 24th November, 2014 on Affidavit.

Thanking you,

Yours faithfully,

N.P. Salhe
17/12/14
OFFICE OF THE
MAHARASHTRA ELECTRICITY
REGULATORY COMMISSION
COLABA, MUMBAI - 400 005


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

Encl.: Affidavit (Original + 6 copies)

“BEST Travel Saves Fuel”

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COLABA, MUMBAI - 400 005

sd/-

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

Encl.: Affidavit (Original + 6 copies)

P.T.O.

“BEST Travel Saves Fuel”

CER/MERC/ 112/2014

Copy forwarded to:-

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


Ref: Notice MERC/RE Cell-5/RPO/2014-15/01205 dated 24th Nov. 2014

Respected Sir,

This has reference to the RPO compliance notice referred above. BEST has herewith filed reply with Hon'ble Commission.

Thanking you,

Yours faithfully,


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

Encl.: Copy of the Affidavit

**BEFORE THE HON'BLE
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION**

FILING NO.: _____

CASE NO.: 191 OF 2014

1. IN THE MATTER OF: Verification and Compliance of cumulative RPO Targets of BEST Undertaking for FY 2013-14 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC Framework) Regulations, 2010 (Case no. 191 of 2014) 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.

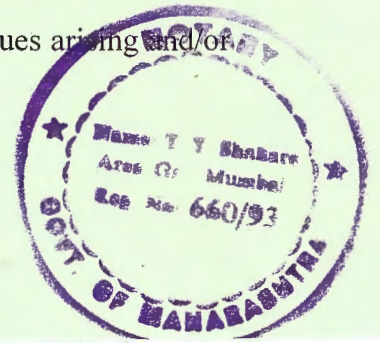
2. *Affidavit verifying the application*

I, Rajendra D. Patsute aged 47 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.
- 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

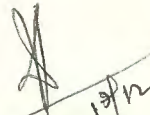


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reliefs sought are identical or similar to the issues arising in the matter pending before the Commission.

I solemnly affirm at Mumbai on this 17th December , 2014 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 THE HON'BLE
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION**

FILING NO.: _____

CASE NO.: 191 OF 2014

IN THE MATTER OF: Verification and Compliance of cumulative RPO Targets of BEST Undertaking for FY 2013-14 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC Framework) Regulations, 2010 (Case no. 191 of 2014) 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 showeth 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 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 upto 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 notice dated 24th November 2014, in the matter of Verification and Compliance of Renewable Purchase Obligation targets of BEST for FY 2013-14 as specified under MERC (Renewable Purchase Obligation, its Compliance and Implementation of REC framework) Regulations, 2010 (Case no. 191 of 2014) has directed BEST to submit its replies to the questions raised in the notice on affidavit within two weeks from the date of the Notice. Accordingly, BEST submits as follows:

5. The RPO settlement data for FY 2010-11, FY 2011-12 and FY 2012-13 submitted by MEDA to the Hon'ble Commission is verified and corrected statement duly audited is given below followed by justification for the discrepancies:



Table A: RPO settlement data for BEST for FY 2010-11, FY 2011-12, FY 2012-13 & FY 2013-14

Item	FY 2010-11		FY 2011-12		FY 2012-13		FY 2013-14		Cumulative RPO (Surplus) / Shortfall
	%	MU	%	MU	%	MU	%	MU	
		A		B		C		D	E=A+B+C+D
Gross Energy Consumption	100%	4847.79	100%	4849.11	100%	4914.10	100%	4830.04	
Solar RPO Target	0.25%	12.12	0.25%	12.12	0.25%	12.29	0.50%	24.15	60.68
Solar ROP Met	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.51%	24.60	24.60
Solar RPO (Surplus) / Shortfall	0.25%	12.12	0.25%	12.12	0.25%	12.29	-0.01%	-0.45	36.08
Non-Solar RPO Target	5.75%	278.75	6.75%	327.31	7.75%	380.84	8.50%	410.55	1397.46
Non-Solar ROP Met	4.52%	219.06	4.52%	219.07	11.08%	544.54	8.67%	418.82	1401.49
Non-Solar RPO (Surplus) / Shortfall	1.23%	59.69	2.23%	108.24	-3.33%	(163.70)	-0.17%	(8.27)	(4.03)
Mini-Micro RPO Target (Within Non-Solar RPO Target)	0.10%	0.28	0.10%	0.33	0.10%	0.38	0.20%	0.82	
Mini-Micro ROP Met (Within Non-Solar RPO Target)	0.0%	0.00	0.0%	0.00	0.64%	2.44	1.71%	7.02	
Mini-Micro RPO (Surplus) / Shortfall (Within Non-Solar RPO Target)	0.1%	0.28	0.1%	0.33	-0.54%	(2.06)	-1.51%	(6.20)	

Note: 1) The figure in bold pertaining to FY 2013-14 are the discrepancies as compared to Table-A in the Notice. The justification for the same has been stated in subsequent paragraph below.

2) 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:

a) BEST should verify the RPO settlement details for FY 2013-14 as submitted by MEDA, under Table-A and highlight discrepancies, if any, along with proper justification.

BEST confirms the RPO settlement details for FY 2013-14 as mentioned in Table-A above. Additional 1.74 MUs of Solar RPO during FY 2013-14 is because of late receipt of relevant Generation Credit Notes (GCNs). The relevant details of the GCNs pertaining to these additional 1.74 MUs of Solar RE have been tabulated and enclosed as **Annexure-E**. Also, the minor change of 0.31 MUs in Mini/Micro Hydro power is

due to error in reporting of Mini/Micro Hydro power to MEDA while submitting RPO for FY 2013-14. In our annual report to MEDA, 0.5974 MUs of Mini/Micro Hydro power was correctly mentioned in the Form-3 regarding monthly statement for September-2013. However, in Form-1 of that report, it was erroneously mentioned as 0.2872 MUs resulting in difference of 0.31 MUs in Mini/Micro Hydro power as well as Non-solar RPO. Copy of the relevant extracts of the report sent to MEDA is enclosed as **Annexure-F**.

- b) *Though the Commission allowed BEST to fulfill the solar RPO cumulatively by FY 2015-16, as a part of present proceeding, BEST should confirm the shortfall in Solar RPO compliance cumulatively by FY 2013-14 i.e. cumulatively for four years (FY 2010-11 to FY 2013-14) as summarized under Table-A along with detailed statement for project-wise energy procurement (if any) in MUs from all solar generating projects and project wise contracted solar power capacity in MW during FY 2010-11 to FY 2013-14, duly certified by auditor.*

BEST confirms the cumulative shortfall of solar RPO of 36.08 MUs for FY 2010-11, FY 2011-12, FY 2012-13 & FY 2013-14 as indicated in Table-A above. Detailed statement of project wise energy procurement from various Non-solar RE sources during FY 2010-11, FY 2011-12, FY 2012-13 and FY 2013-14 are enclosed herewith as **Annexure A-1, B-1, C-1 and D-1 respectively**. Detailed statement of project wise contracted Non-solar RE power for FY 2010-11, FY 2011-12, FY 2012-13 and FY 2013-14 are enclosed herewith as **Annexure A-2, B-2, C-2 and D-2 respectively**.

- c) *BEST should confirm the fulfillment in Non-solar RPO compliance cumulatively by FY 2013-14 i.e. cumulatively for four years (FY 2010-11 to FY 2013-14) as summarized under Table-A, along with detailed statement for project wise energy procurement in MUs from various Non-solar RE sources and project wise contracted Non-solar RE power in MW during FY 2010-11 to FY 2013-14, duly certified by auditor.*

BEST confirms the cumulative surplus of Non-solar RPO of 4.03 MUs for FY 2010-11, FY 2011-12, FY 2012-13 & FY 2013-14 as indicated in Table-A above. Detailed statement of project wise energy procurement from various Non-solar RE sources during FY 2010-11, FY 2011-12, FY 2012-13 and FY 2013-14 are enclosed herewith as **Annexure A-1, B-1, C-1 and D-1 respectively**. Detailed statement of project wise

contracted Non-solar RE power for FY 2010-11, FY 2011-12, FY 2012-13 and FY 2013-14 are enclosed herewith as **Annexure A-2, B-2, C-2 and D-2 respectively**.

- d) *BEST should confirm the fulfillment of Mini/micro Hydro power RPO compliance for FY 2013-14 as summarized under Table-A, along with detailed statement for project wise energy procurement in MUs from all Mini/micro hydro projects and project wise contracted Mini/micro hydro capacity in KW during FY 2010-11 to FY 2013-14, duly certified by auditor.*

BEST confirms the cumulative surplus of Mini/micro Hydro power RPO of 7.02 MUs for FY 2013-14 as indicated in Table-A above. Detailed statement of project wise energy procurement from various Mini/micro Hydro power sources during FY 2012-13 and FY 2013-14 is enclosed herewith as **Annexure C-1 and Annexure D-1 respectively**. Detailed statement of project wise contracted Mini/micro Hydro power sources for FY 2012-13 and FY 2013-14 is enclosed herewith as **Annexure C-2 and Annexure D-2 respectively**.

- e) *BEST should submit detailed list of actions and efforts undertaken by it prior to and during FY 2010-11 to FY 2013-14 to ensure compliance of RPO targets in respect of Solar, Non-solar and Mini/micro Hydro power.*

The detailed list of actions and efforts undertaken by BEST prior to and during FY 2010-11 to FY 2013-14 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 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 did not consider BEST's prayers regarding approval of the quantum of energy to be procured and the Bid Documents (Request for Proposal and Energy Purchase Agreement) and provide waiver on the penalty charged until the completion of the bid process. However, Hon'ble Commission 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	26th June, 2008	23	9	14	6
4	16th Jan 2009	11	6	5	21
5	4th 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	5	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.
- 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 framework) Regulations, 2010 directed BEST to fulfil 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 fulfilment 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 fulfilment 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. 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 2013-14. Following table summarizes BEST's REC procurement during the period from FY 2010-11 to FY 2013-14:

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

f) *BEST should submit the details for long term RE procurement plan for meeting the year wise RPO targets for FY 2014-15 & 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.

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. In order to fulfill future Solar RPO, BEST has advertised an EOI in prominent newspapers on 25th August 2014 to procure 10 MW of Solar power on long term basis. The EOI was opened on 10th November 2014 and total 9 offers have been received. The bids are being scrutinized currently.

iv. In absence of notified competitive bidding guidelines to procure renewable power on long term basis, BEST relies on procuring Solar as well as Non-solar RE on short term basis at MERC approved rates from various Solar and Non-solar RE generators in the State.

v. 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 9 days in filing the replies to the Notice dated 24th November 2014.
 - ii) Take into consideration the earnest efforts taken by BEST in meeting Non-solar RPO for FY 2013-14 and allow BEST to carry forward BEST's surplus Non-solar RPO of 4.03 MUs at the end of FY 2013-14 to FY 2014-15 in order to reduce BEST Non-solar RPO for FY 2014-15 to that extent.
 - iv) Grant the liberty to BEST Undertaking to add/change/modify/alter this affidavit and make further submissions as may be required at future date.
 - v) 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.

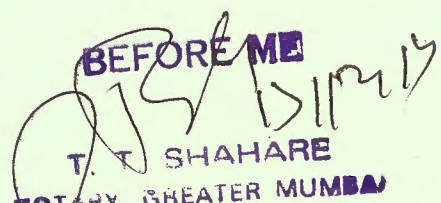


(R.D. Patsute)

Chief Engineer (Regulatory)

For Brihanmumbai Electric Supply and Transport Undertaking



BEFORE ME

T. T. SHAHARE
NOTARY, GREATER MUMBAI

7 DEC 2014

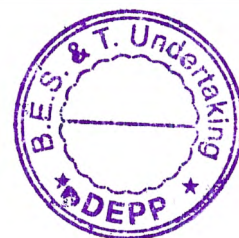
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PAGE No. 1 DATE 17/12/2014

Annexure- A1

Detailed statement for project wise energy procurement in MUs from various Non-solar RE sources for FY 2010-11

Detailed statement for project wise energy procurement in MUs from various Non-solar RE sources for FY 2010-11

Sr.No.	TRADER	Source Name	Source Types	Energy Procured at Seller End	Energy at INSTS
				MUs	MUs
1	TPTCL	LSECIL	Bagasses	50.53	50.53
2	TPTCL	M/s Celerity Power	Small Hydro	18.54	17.43
3	TPTCL	SDSSSKL	Bagasses	0.86	0.86
4	TPTCL	LSECIL - AGRO	Bagasses	7.16	6.73
5	TPTCL	Ugar Sugar Works Ltd	Bagasses	11.34	11.34
6	TPTCL	Vishvnath Sugar Ltd (14 MW)	Bagasses	10.40	10.40
7	TPTCL	Hiranyakeshi SSK Ltd	Bagasses	14.83	14.86
8	4160	Ind SynergyLtd (TPTCL)	Wind	0.25	0.24
9	4043	Varroc Engineering,	Wind	0.39	0.36
10	4054	Varroc Engineering,	Wind	0.50	0.47
11	3041	Savita Chemicals Ltd.	Wind	2.03	1.90
12	3042	Savita Chemicals Ltd.	Wind	0.98	0.92
13	3256	Savita Chemicals Ltd.	Wind	0.26	0.24
14	4035	Deccan Ind Explosive Pvt.	Wind	0.18	0.17
15	4038	AJANTA Ltd,	Wind	6.84	6.43
16	4064	AJANTA Ltd,	Wind	6.39	6.01
17	4031	Khuda Gawah Invest Pvt. Ltd,	Wind	0.38	0.36
18	4032	Nalini Properties Pvt. Ltd,	Wind	0.48	0.45
19	4034	Sagar Agengies Pvt. Ltd,	Wind	0.41	0.38
20	4102	Sharada Erectors Pvt. Ltd,	Wind	0.00	0.00
21	4103	Sharada Erectors Pvt. Ltd	Wind	0.00	0.00
22	3077	Weizmann Ltd, PH II,	Wind	7.13	6.70
23	3059	Weizmann Ltd, PH I	Wind	7.42	6.98
24	TPTCL	Kohinoor Power co.	Wind	2.15	2.02
25	4216	Laxmi Metal Pressing Work	Wind	0.44	0.42
26	4112	Malpani Developer	Wind	0.37	0.35
27	4108	M/s.Poonawalla Finvest & Agro Pvt.Ltd.	Wind	0.32	0.30



Sr.No.	TRADER	Source Name	Source Types	Energy Procured at Seller End	Energy at InSTS
				MUs	MUs
28	4107	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	1004	Varroc Engineering,	Wind	0.82	0.77
31	1008	Sun. n. Sand,	Wind	2.86	2.69
32	1007	Varroc Engineering,	Wind	0.97	0.91
33	2096	Yashshri Press	Wind	0.06	0.06
34	17	M/s. Sharada Const & Invest Co.	Wind	0.41	0.39
35	4113	M/s.Vaman Prestressing Co. Ltd.	Wind	0.46	0.43
36	3136	Karma Energy Ltd PH I	Wind	6.67	6.27
37	3152	Karma Energy Ltd PH II	Wind	6.57	6.18
38	1012	Sun. n. Sand Hotel (Shirdi),	Wind	1.33	1.25
39	4157	Shraddha Energy,	Wind	0.45	0.42
40	4158	Shraddha Energy,	Wind	0.58	0.55
41	6154	Sun. n. Sand Hotel,	Wind	1.91	1.80
42	4156	Abhay Shah, (Global)	Wind	0.36	0.34
43	4186	Hindustan Distilleries, (Global)	Wind	0.41	0.39
44	4110	M/s. Jayshree Polymers,	Wind	0.46	0.43
45	4073	Patan Ltd.	Wind	0.43	0.40
46	4051	Patankar Ltd,	Wind	0.50	0.47
47	4080	Padmavati WEPL,	Wind	0.52	0.49
48	4185	Sangram Patil,	Wind	0.48	0.46
49	4184	Dharamsi & Dharamsi	Wind	0.49	0.47
50	4175	Standard Greases Pvt Ltd	Wind	0.44	0.41
51	4146	Indo Enterprises,	Wind	1.87	1.76
52	4219	Hindustan Distilleries,	Wind	0.73	0.69
53	4228	M/s. Jayshree Polymers,	Wind	0.48	0.45
54	1020	M/s. Ramdevbaba Steel Pvt Ltd.	Wind	1.40	1.32
55	4212	Jivraj Tea Co	Wind	0.11	0.10
56	1015	M/s. Jivraj Tea & Ind Ltd	Wind	0.75	0.71



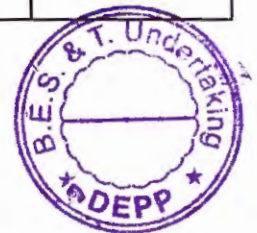
Sr.No.	TRADER	Source Name	Source Types	Energy Procured at Seller End	Energy at InSTS
				MUs	MUs
57	4227	M/s. Sable Waghire &co pvt Ltd.	Wind	0.48	0.45
58	1016	M/S Jivraj Tea Ltd	Wind	0.74	0.70
59	4218	Sumitinath Enterprise	Wind	0.47	0.44
60	4238	Garden Court	Wind	0.48	0.45
61	4214	Naren Traders & Consultants.	Wind	0.47	0.44
62	4039	Global Energy Godawat	Wind	0.11	0.10
63	1047	Global Sunjay Godawt	Wind	0.09	0.08
64	1048	Global Godawat	Wind	0.21	0.19
65	4033	Global Sunjay Godawt	Wind	0.11	0.11
66	1050	Global Godawat	Wind	0.49	0.46
67	1049	Global Godawat	Wind	0.49	0.47
68	4163	Global B.S. Channabassappa & Sons	Wind	0.42	0.39
69	9275	Global Shyadri Ind	Wind	0.59	0.56
70	4245	Global Laxmi Rikshwa Body Co	Wind	0.42	0.39
71	4217	Champion Jointing Pvt Ltd.	Wind	0.11	0.10
72	4242	Khanna Ind Pipe Pvt Ltd	Wind	0.32	0.30
73	4226	Dristi Ind Ltd	Wind	0.44	0.41
74	4230	Om Wind Farm	Wind	0.28	0.26
75	4208	Yashshri Press	Wind	0.48	0.45
76	4222	Phoenix Enterprise	Wind	0.46	0.43
77	4229	Phoenix Enterprise	Wind	0.36	0.34
78	4209	Rucha Engineers pvt Ltd	Wind	0.48	0.46
79	4243	Umesh M Dashrati	Wind	0.32	0.30
80	4125	Suvi Rubber	Wind	0.24	0.22
81	4126	Rubberex Ind Pvt Ltd	Wind	0.23	0.22
82	4277 (S003)	Punit Construction (GLOBEL)	Wind	0.51	0.48
83	4278 (S042)	Punit Const Co (GLOBEL)	Wind	0.54	0.51
84	4280	Kwality Tobaacco Product (Global) S-102	Wind	0.73	0.69
85	1026	SakalPaper -I (Global)	Wind	0.55	0.52



Sr.No.	TRADER	Source Name	Source Types	Energy Procured at Seller End	Energy at INSTS
				MUs	MUs
86	1027	SakalPaper -II (Global)	Wind	0.68	0.64
87	9283	J.M. Ind (Global)	Wind	0.81	0.76
88	9283	V.L. Patel(Global)	Wind	0.23	0.22
89	8274	Surana Venture Ltd	Wind	2.16	2.03
90	8275	Laxmi Ind (Global)	Wind	0.66	0.62
91	S-61	Amarshwara Ind (Global)	Wind	1.04	0.97
92	S-09	B.S. Chanapabasapa (Global)	Wind	2.17	2.04
93	S-79	D.K. Engg (Global)	Wind	1.08	1.01
94	S-11	H.H. Patel &co(Global)	Wind	0.70	0.66
95	CK-05	Osho Developers(Global)	Wind	0.35	0.33
96	S-66	Gajanan Tower Pvt Ltd (Global)	Wind	0.68	0.64
97	8274 G-1	Topaz Investment (Global)	Wind	2.38	2.23
98	S-0100	Sheela Shivraj(Global)	Wind	0.48	0.46
99	104 &105	Sai Prem Decloper (Global)	Wind	0.44	0.41
100	04,05,06,07,09	Shraddha Energy & Infra (Global)	Wind	8.52	8.01
101	102 & 103	Purushottam Lohia (Global)	Wind	0.00	0.00
102	KB03, KB04	Ushdev International Ltd (Global)	Wind	1.79	1.68
103	4225	LAP Finance & Consultant Pvt Ltd.	Wind	1.34	1.26
104	2099	Rucha Engineers pvt Ltd	Wind	0.08	0.07
105	1254 (S-6 & S-7)	Navlakha Translines	Wind	0.47	0.44
106	10287 (W-04)	Medilink Services	Wind	0.69	0.64
107	10287 (W-06)	Navlakha Transline	Wind	0.42	0.39
108	4029	R. M. Dhariwal (GLOBEL)	Wind	0.06	0.06
109	4033	Sunjay Ghodavat (GLOBEL)	Wind	0.05	0.05
110	4039	Sunjay Ghodavat IND (GLOBEL)	Wind	0.01	0.01
111	4068	Dhariwal Ind Ltd (GLOBEL)	Wind	0.24	0.23
112	4071	Jayshree Polymer (GLOBEL)	Wind	0.11	0.10
113	4075	Premier Sales (Globel)	Wind	0.04	0.04
114	4078	D.J. Malpani (GLOBAL)	Wind	0.01	0.01



Sr.No.	TRADER	Source Name	Source Types	Energy Procured at Seller End	Energy at InSTS
				MUs	MUs
115	4081	Malpani Tea Corporation (GLOBAL)	Wind	0.03	0.03
116	4082	Sargam Retails (GLOBEL)	Wind	0.01	0.01
117	4084	G B Rubber Product (GLOBEL)	Wind	0.01	0.01
118	4088	Sargam Retails MTR -II (GLOBEL)	Wind	0.01	0.01
119	4100	Subhash B. Mutha. (GLOBEL)	Wind	0.04	0.04
120	4111	S.K. Parikh (GLOBEL)	Wind	0.01	0.01
121	4101	Canpex Chemical Pvt Ltd (GLOBEL)	Wind	0.03	0.03
122	4079	D. J. Malpani Mtr-II (GLOBEL)	Wind	0.01	0.01
123	1105	Sahydri Ind (Global)	Wind	0.23	0.21
124	131	J.V. PATEL (Global)	Wind	0.12	0.12
125	132	S.V. PATEL (Global)	Wind	0.10	0.10
126	133	V.L.PATEL (Global)	Wind	0.09	0.09
127	C-8, C21, C-25	Siddhayu Ayurvedik (GLOBEL)	Wind	0.69	0.65
128	9283	Metalek Techno (GLOBEL)	Wind	0.09	0.08
129	S-101	Laxmi Ind (Global)	Wind	0.07	0.06
130	4029	R. M. Dhariwal (GLOBEL)	Wind	0.09	0.08
131	4117	B.S.C. Textile. (GLOBEL)	Wind	0.02	0.01
132	4118	B.S.Channapabassapa. (GLOBEL)	Wind	0.02	0.02
133	4128	Vandana /Textile (GLOBEL)	Wind	0.02	0.02
134	4129	Umang Textile (GLOBEL)	Wind	0.02	0.02
135	4244	Rajeev Govind Joshi (GLOBEL)	Wind	0.01	0.01
136	4131	Vishnu Textile (GLOBEL)	Wind	0.02	0.02
137	4163	B.S.Channapabassapa. (GLOBEL)	Wind	0.01	0.01
138	4216	Laxmi Metal Pressing (GLOBEL)	Wind	0.01	0.01
139	4245	Laxmi Rikshaw Body (GLOBEL)	Wind	0.02	0.02
140	4278 (S037)	Bhanudas G Raibage. (GLOBEL)	Wind	0.07	0.06
141	4281 (S088)	Mahabal Auto (GLOBEL)	Wind	0.07	0.07
142	4281 (S090)	Veer Bhandarshwar ?Floor Mill (GLOBEL)	Wind	0.05	0.05
143	4281 (S092)	B.S.C. Textile (GLOBEL)	Wind	0.04	0.04



Sr.No.	TRADER	Source Name	Source Types	Energy Procured at Seller End	Energy at InSTS
				MUs	MUs
144	4278 (S025)	Jadhao Gears Pvt Ltd (GLOBEL)	Wind	0.10	0.10
145	4280 (S102)	Kawality Tabaco (GLOBEL)	Wind	0.06	0.06
146	4280 (S96)	Balkrishna Sizing Ind (GLOBEL)	Wind	0.05	0.05
147	4279 (S069)	Sridevi Trading Co (GLOBEL)	Wind	0.04	0.04
148	4279 (S076)	Kiran Energy Infra (GLOBEL)	Wind	0.09	0.08
149	4276 (S062)	Pragati Agency (GLOBEL)	Wind	0.07	0.07
150	4276 (S057)	Tejas Sizers (GLOBEL)	Wind	0.04	0.04
151	4276 (S055)	G.I.Energies (GLOBEL)	Wind	0.04	0.04
152	4276 (S054)	S.K. Shivraj (GLOBEL)	Wind	0.05	0.05
153	4279 (S065)	Gujrat Tea Traders (GLOBEL)	Wind	0.08	0.08
154	4276 (S056)	Jathar Textile (GLOBEL)	Wind	0.05	0.05
155	8271	Shradhha Energy & Infra (GLOBEL)	Wind	0.12	0.11
156	9283	Sayahdri Ind Ltd (GLOBEL)	Wind	0.43	0.40
157	9283	Sayahdri Ind Ltd (GLOBEL)	Wind	0.23	0.21
158	9283	V L Patel (GLOBEL)	Wind	0.07	0.07
159	4158	Shradhha Energy & Infra Mtr-II (GLOBEL)	Wind	0.09	0.08
160	4035	Deccan Ind Explosives (GLOBEL)	Wind	0.04	0.03
161	4212	Jivraj Tea Co (GLOBAL)	Wind	0.02	0.01
162	8272 08 J	Dr Anil P. Hirvani (GLOBAL)	Wind	0.02	0.02
163	8272 04 J	Sunako Trading (GLOBAL)	Wind	0.01	0.01
164	8272 08 J	Sai Associates (GLOBAL)	Wind	0.01	0.01
165	4279 (S075)	Gangamai Ind & Const Ltd (GLOBEL)	Wind	0.06	0.06
166	4167	Star Flexi- Pack Ind (GLOBEL)	Wind	0.01	0.01
167	2098	Laxmi Rickshwa Body (GLOBEL)	Wind	0.01	0.01
168	8272 (J-09)	Gharrkul Ind (GLOBEL)	Wind	0.03	0.03
169	4030	Dhariwal Ind Ltd (GLOBEL)	Wind	0.38	0.36
170	4053	Bothra Agro Eq Ltd. (GLOBEL)	Wind	0.03	0.03
171	4207	Suzlon Tower & Structur Ltd. (GLOBEL)	Wind	0.20	0.19
				227.22	218.91

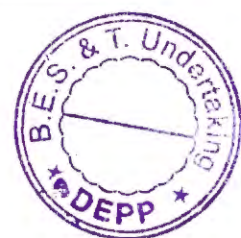


Annexure- A2

Detailed statement for project wise
contracted Non-solar RE power in
MW during FY 2010-11

Project wise contracted Non-solar RE power in MW during FY 2010-11

Sr. No.	RE Developer	Type of RE	Devlp No.	Capacity (M.W.)
1	M/s. TPTCL	Bagasses	Lokmangal (Agro)	3.00
2	M/s. TPTCL	Bio-gas	Pioneer	4.73
3	M/s. TPTCL	Small Hydro	Celerity	7.00
4	M/s. TPTCL	Bagasses	Lokmangal	15.00
5	M/s. TPTCL	Bagasses	Datta SSSK	3.00
6	M/s. TPTCL	Bagasses	Yashwantrao Mohite SSK Ltd	10.00
7	M/s. Savita Oil Technologies Ltd.	Wind	3041	2.25
8	M/s. Savita Oil Technologies Ltd.	Wind	3042	2.25
9	M/s.Varroc Engineering Pvt. Ltd.	Wind	1004	1.00
10	M/s. D.J. Malpani	Wind	4112	1.75
11	M/s.Varroc Engineering Pvt. Ltd.	Wind	4043	1.05
12	M/s.Varroc Engineering Pvt. Ltd.	Wind	4054	1.05
13	M/s.Varroc Engineering Pvt. Ltd.	Wind	1007	1.00
14	M/s. Deccan Industrial Explosives	Wind	4035	0.35
15	M/s. Ajanta Limited	Wind	4038	4.90
16	M/s. Sun N Sand Hotels Pvt. Ltd.	Wind	1008	2.00
17	M/s. Nalini Properties Pvt. Ltd.	Wind	4032	0.35
18	M/s. Khuda Gawah Investments Pvt. Ltd.	Wind	4031	0.35
19	M/s. Sagar Agencies Pvt. Ltd.	Wind	4034	0.35
20	M/s.Simone Poonwalla Const&Stud Pvt.Ltd.	Wind	4107	0.35
21	M/s.Serum international Ltd.	Wind	4109	0.75
22	M/s.Poonawalla Finvest & Agro Pvt.Ltd.	Wind	4108	0.35
23	M/s. Savita Oil Technologies Ltd.	Wind	-	6.00
24	M/s. Khuda Gawah Investments Pvt. Ltd.	Wind	4031	0.35
25	M/s. Nalini Properties Pvt. Ltd.	Wind	4032	0.35
26	M/s.Varroc Engineering Pvt. Ltd.	Wind	4043	1.05
27	M/s. Usha Compu-Tel Pvt. Ltd.	Wind	4138	0.50
28	M/s. Usha Electronics	Wind	4134	1.00



Sr. No.	RE Developer	Type of RE	Devlp No.	Capacity (M.W.)
29	M/s. Sun N Sand Hotels Pvt. Ltd.	Wind	6154	1.20
30	M/s. Sun N Sand Hotels Pvt. Ltd.	Wind	1012	1.00
31	M/s. Abhay K. Shah	Wind	4156	0.35
32	M/s. Shradda Energy & Infra Projects Pvt Ltd	Wind	4158	1.75
33	M/s. Shradda Energy & Infra Projects Pvt. Ltd	Wind	4157	1.40
34	Shri Padmawati Wind Energy Pvt. Ltd.	Wind	4080	0.35
35	M/s Patankar Wind Farms Pvt. Ltd.	Wind	4051	0.35
36	M/s Patan Wind Energy Ltd.	Wind	4073	0.35
37	M/s Hindustan Distilleries	Wind	4186	0.35
38	M/s Vaman Prestressing Company Ltd.	Wind	4113	0.35
39	M/s. Dharamsi & Dharmasi oil pvt Ltd	Wind	4184	0.35
40	M/s Hindustan Distilleries	Wind	4219	0.70
41	M/s Indo Enterprises Pvt Ltd	Wind	4146	1.40
42	M/s. Jayashree Polymers Pvt. Ltd	Wind	4110	0.35
43	M/s. Karma Energy Ltd	Wind	Karma Ph - I	4.50
44	M/s. Karma Energy Ltd	Wind	Karma Ph - II	4.50
45	Sangram Patil	Wind	4185	0.35
46	M/s Standard Greases Pvt Ltd	Wind	4175	0.35
47	M/s Jivraj Tea Ltd	Wind	1015	1.00
48	M/s Jivraj Tea Ltd	Wind	4212	0.35
49	M/s Jivraj Tea Ltd	Wind	1016	1.00
50	M/s Sumatinath Enterprises.	Wind	4218	0.35
51	M/s. Shree Ramdeobaba Steel Pvt Ltd.	Wind	1020	1.00
52	M/s. Sable Waghire & Co Pvt Ltd.	Wind	4227	0.35
53	M/s. Jayashree Polymers Pvt. Ltd	Wind	4228	0.35
54	M/s. Garden Court Distilleries Pvt Ltd.	Wind	4238	0.35
55	M/s. Ajanta Limited	Wind	4064	5.25
56	M/s. Savita Oil Technologies Ltd.	Wind	3256	0.75
57	M/s Champion Jointing Pvt Ltd.	Wind	4217	0.35
58	M/s. Disti Industries Ltd.	Wind	4226	0.35



Sr. No.	RE Developer	Type of RE	Devlp No.	Capacity (M.W.)
59	M/s. Naren Traders & Consultant.	Wind	4214	0.35
60	M/s. TPTCL	Wind	Kohinoor	1.15
61	M/s. TPTCL	Wind	Ind Synergy	1.15
62	M/s. Sagar Agencies Pvt. Ltd.	Wind	4034	0.35
63	M/s. Global Energy Pvt Ltd.	Wind	4163	0.35
64	M/s. Global Energy Pvt Ltd.	Wind	4245	0.35
65	M/s. Global Energy Pvt Ltd.	Wind	4216	0.35
66	M/s. Global Energy Pvt Ltd.	Wind	4039	0.35
67	M/s. Global Energy Pvt Ltd.	Wind	1047	0.23
68	M/s. Global Energy Pvt Ltd.	Wind	1048	0.69
69	M/s. Global Energy Pvt Ltd.	Wind	4131	0.35
70	M/s. Global Energy Pvt Ltd.	Wind	4129	0.35
71	M/s. Global Energy Pvt Ltd.	Wind	4128	0.35
72	M/s. Global Energy Pvt Ltd.	Wind	4033	0.35
73	M/s. Global Energy Pvt Ltd.	Wind	2098	0.23
74	M/s. Global Energy Pvt Ltd.	Wind	1050	1.38
75	M/s. Global Energy Pvt Ltd.	Wind	1049	1.38
76	M/s. Global Energy Pvt Ltd.	Wind	9275	1.38
77	M/s. Phoenix Enterprises	Wind	4229	0.35
78	M/s. Phoenix Enterprises	Wind	4222	0.35
79	M/s. Yashshree Press Comps Pvt Ltd	Wind	2096	0.23
80	M/s. Yashshree Press Comps Pvt Ltd	Wind	4208	0.35
81	M/s. Om Wind Farms	Wind	4230	0.35
82	M/s. Global Energy Pvt Ltd.	Wind	145_146_148_149_150_157	4.80
83	M/s. Rucha Engineering Pvt Ltd.	Wind	4209	0.35
84	M/S. Umesh M. Dashrathi.	Wind	4243	0.35
85	M/S. Khanna Ind Pipe Pvt Ltd.	Wind	4242	0.35
86	M/s. Rucha Engineering Pvt Ltd.	Wind	2099	0.23



Annexure- B1

Detailed statement for project wise energy procurement in MUs from various Non-solar RE sources for FY 2011-12

Detailed statement for project wise energy procurement in MUs from various Non-solar RE sources for FY 2011-12

Sr No	SOURCE		Energy Procured at Seller End	Energy at InSTS
	NAME	TYPE	MUs	MUs
1	TPTCL-(LOKMANGAL)	Bagasses	32.05	32.05
2	TPTCL-(LOKMANGAL AGRO)	Bagasses	4.56	4.29
3	TPTCL-(CELERITY)	Small Hydro	9.14	8.59
4	TPTCL-(A.A. Energy)	Biomass	41.86	41.69
5	TPTCL-(Yash Agro Energy Ltd)	Biomass	26.06	23.70
6	TPTCL- (Pioneer Distilleries Ltd)	Biogass	3.91	4.13
7	TPTCL- (Indra Power Gen Ltd)	Biomass	14.69	14.69
8	Knowledge Infra (RR Energy)	Biomass	28.00	28.00
9	GEPL (Jamkhandi Sugar)	Bagasses	2.46	2.43
10	Knowledge Infra (Godawari)	Bagasses	22.33	22.33
11	TPTCL-Shri Nakoda Ispat Ltd	Biomass	36.16	36.16
	TOTAL		221.22	218.07



Annexure- B2

Detailed statement for project wise
contracted Non-solar RE power in
MW during FY 2011-12

Project wise contracted Non-solar RE power in MW during FY 2011-12

Sr. No.	Developer / Trader	Devlp Name/No.	Type of Source	Capacity (M.W.)
1	TPTCL-(LOKMANGAL)	LSECIL	Bagasses	8.50
2	TPTCL-(LOKMANGAL AGRO)	LAIL	Bagasses	1.80
3	TPTCL-(CELERITY)	CPPL	Small Hydro	3.50
4	TPTCL-(Yash Agro)	YAEL	Biomass	7.00
5	TPTCL-(A.A. Energy)	AAEL	Biomass	9.00
6	TPTCL-(Pioneer)	PDPL	Bio-gas	4.73
7	TPTCL-(Indra Power)	IPGL	Biomass	8.50
8	TPTCL-(Biomass Power)	BPL	Bio-gas	11.20
9	TPTCL-(Nakoda Ispat)	NIL	Biomass	10.50
10	Knowledge Infrastructure (R.R.Energy)	RRE	Biomass	13.50
11	Global (Jamkhandi Sugar)	GEPL	Bagasses	5.00
12	Global (Nandi)	GEPL	Bagasses	7.00
13	Shalivahan Biomass Project	SBPL	Biomass	9.00
14	Shalivahan Greeg Energy Ltd	SGEL	Biomass	13.50
15	Hema Sri Power Ltd	HSPPL	Biomass	11.34
16	M/s. Nalini Properties Pvt. Ltd.	4032	Wind	0.35
17	M/s. Khuda Gawah Investments Pvt. Ltd.	4031	Wind	0.35



Annexure- C1

Detailed statement for project wise energy procurement in MUs from various Non-solar RE sources for FY 2012-13

Detailed statement for project wise energy procurement in MUs from various
Non-solar RE sources for FY 2012-13

NON- Solar

Sr No	SOURCE		Energy Procured at Seller End	Energy at InSTS
	NAME	Type	MUs	MUs
1	TPTCL-(LOKMANGAL AGRO)	Bagasses	7.00	6.58
2	TPTCL- (Pioneer Distilleries Ltd)	Biogas	5.61	5.27
3	TPTCL- (A.A. Energy)	Biomass	7.66	7.66
4	RETL - Greata Energy	Biomass	56.48	56.48
5	Urjankur- Global Energy	Bagasses	14.60	14.60
6	RETL - Urjankur Warna power	Bagasses	11.63	11.63
TOTAL (A)			103	102

Mini Hydro

Sr No	SOURCE		Energy Procured at Seller End	Energy at InSTS
	NAME	Type	MUs	MUs
1	Krishna Valley Power (Vajra-2)	Mini Hydro	2.68	2.44
TOTAL (B)			2.68	2.44
TOTAL (A+B)			105.65	104.66



Annexure- C2

Detailed statement for project wise
contracted Non-solar RE power in
MW during FY 2012-13

Detailed statement for project wise contracted Non-solar RE power in MW
during FY 2012-13

Sr. No.	Developer / Trader	Devlp Name/No.	Type of Source	Capacity in MW
1	TPTCL-(LOKMANGAL AGRO)	LAIL	Bagasse	5.00
2	TPTCL-(Pioneer)	PDPL	Bio-gas	5.00
3	Krishna Valley Power Pvt Ltd.	KVPPL	Mini Hydro	1.00
4	Sahyadri Renewable Energy Ltd.	SREL	Small Hydro	1.00
5	Global Energu (URJANKUR)	USDSSKL	Bagasse	10.00
6	RETL (Urjankur Warna Power)	UWTPTL	Bagasse	9.50
7	RETL (Greta Energy)	GEL	Biomass	13.50



Annexure- D1

Detailed statement for project wise energy procurement in MUs from various RE sources for FY 2013-14

Project wise Renewable Energy procured by BEST in FY 2013-14

Sr No	SOURCE		Energy at delevetry Point	Energy at InSTS
	NAME	Type	in MU's	in MU's
1	WELSPUN Energy Maharashtra Pvt. Ltd.	Solar PV	16.6584	16.6584
2	Hemant Group (PVSP-03)	Solar PV	1.2345	1.2345
3	Gangadhar Narsingadas Agrawal (PVSP-20)	Solar PV	0.8002	0.8002
4	Saidpur Jute Co. Ltd. (PSVP-19)	Solar PV	0.4636	0.4636
5	G. I. Energies (PSVP-17)	Solar PV	0.4548	0.4548
6	Agrawal Minerials Goa Pvt. Ltd. (PSVP-10)	Solar PV	3.2476	3.2476
7	Patel Wood Syndicate (PSVP-06)	Solar PV	0.6618	0.6618
8	New Patel Saw Mill (PSVP-05	Solar PV	0.4118	0.4118
9	Dr. D.H. Patel. (PSVP004)	Solar PV	0.4207	0.4207
10	Advik Hi-Tech Pvt Ltd (PSVP-16)	Solar PV	0.2473	0.2473
11	Krishna Valley Power Pvt Ltd.	Mini Hydro	7.7160	7.0216
12	TPTCL-(LOKMANGAL AGRO)	Bagasse	6.7530	6.3481
13	TPTCL-(Pioneer)	Bio-gas	3.8724	3.7050
14	RETL (Greta Energy)	Biomass	101.6944	101.6944
15	RETL (Maharashtra Vidyut Nigam)	Biomass	49.6880	49.6880
16	RETL (Yash Agro Energy Ltd)	Bagasse	26.9080	25.5101
17	TPTCL (A.A. Energy)	Biomass	4.8546	4.8546
RE			226.09	223.42
REC			220.00	220.00
BEST Total RPO			446.09	443.42



Annexure- D2

Detailed statement for project wise contracted RE power in MW during FY 2013-14

Project wise contracted RE power in MW during FY-2013-14

Sr. No.	Developer / Trader	Type of Source	Cap (M.W.)
1	WELSPUN Energy Maharashtra Pvt. Ltd.	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
10	Advik Hi-Tech Pvt Ltd (PSVP-16)	Bagasse	4.00
11	TPTCL-(Pioneer)	Bio-gas	2.20
12	RETL (Greta Energy)	Biomass	13.50
13	Krishna Valley Power Pvt Ltd.	Mini Hydro	1.00
14	Sahyadri Renewable Energy Ltd.	Small Hydro	1.50
15	RETL (GMT Mining)	Biomass	9.00
16	RETL (Maharashtra Vidyut Nigam)	Biomass	9.00
17	Shalivahana green Energy Ltd	Biomass	12.00
18	Shalivahan Biomass Power	Biomass	7.00
19	RETL (Yash Agro)	Biomass	7.00
20	Ratnagiri Wind Power Project Pvt Ltd.	Wind (Gr-I)	36.80
21	TPTCL (A.A. Energy)	Biomass	9.00
			142.40



Annexure- E

Details of Generation Credit Notes (GCN) pertaining to additional 1.74 MUs of Solar Power during FY 2013-14

DETAILS OF SOLAR ENERGY GENERATORS

SR. NO.	NAME OF SOLAR GENERATOR	GCN NO.	DATE OF GCN	PERIOD		GCN RECD. ON	ENERGY	ENERGY (IN MUs)
				FROM	TO			
1	DR.D.H. PATEL	4345	02.07.2014	31.12.2013	31.01.2014	07.07.2014	136212.38	0.14
		4353	02.07.2014	31.01.2014	28.02.2014	07.07.2014	138473.49	0.14
		4350	02.07.2014	28.02.2014	31.03.2014	07.07.2014	145977.03	0.15
							420662.90	0.42
2	NEW PATEL SAW MILLS	4354	02.07.2014	31.12.2013	31.01.2014	07.07.2014	133169.83	0.13
		4351	02.07.2014	31.01.2014	28.02.2014	07.07.2014	135917.77	0.14
		4349	02.07.2014	28.02.2014	31.03.2014	07.07.2014	142716.38	0.14
							411803.98	0.41
3	PATEL WOOD SYNDICATE	4355	02.07.2014	31.12.2013	31.01.2014	07.07.2014	130361.33	0.13
		4352	02.07.2014	31.01.2014	28.02.2014	07.07.2014	134756.08	0.13
		5348	16.08.2014	28.02.2014	31.03.2014	20.08.2014	140960.64	0.14
							406078.05	0.41
4	ADVIK HI-TECH. PVT. LTD.	6401	07.10.2014	25.09.2013	30.09.2013	17.10.2014	7642.46	0.01
		6404	07.10.2014	30.09.2013	31.10.2013	17.10.2014	78804.67	0.08
		6403	07.10.2014	31.10.2013	30.11.2013	17.10.2014	78312.20	0.08
		6402	07.10.2014	30.11.2013	31.12.2013	17.10.2014	90965.60	0.09
		6405	07.10.2014	31.12.2013	31.01.2014	17.10.2014	79980.80	0.08
		6406	07.10.2014	31.01.2014	28.02.2014	17.10.2014	82176.42	0.08
		6407	07.10.2014	28.02.2014	31.03.2014	17.10.2014	85153.30	0.09
							503035.45	0.50
TOTAL ENERGY							1741580.38	1.74



Annexure- F

Relevant extracts of report submitted
to MEDA for FY 2013-14

The Brihan Mumbai Electric Supply & Transport Undertaking
(OF THE BRIHANMUMBAI MAHANAGARPALIKA)

☎ : [022] 2284 1043
 📠 : [022] 2282 4978
 Email : derc@bestundertaking.com



DIVISIONAL ENGINEER
(Power Purchase)
1st Flr, Multistoried Annex Bldg.
BEST Marg, Colaba,
MUMBAI – 400 001

ADDRESS ALL COMMUNICATION
BY TITLE NOT BY NAME

PP/RPS/MEDA/ 161 /2014

09 JUN 2014

To,
General Manager (REC, R&D)
Maharashtra Energy Development Agency,
 MHADA Commercial Complex,
 2nd floor, Opp. Tridal Nagar,
 Yerwada, PUNE – 411 006.
 Tel No. 020-26614393/403,
 Fax No. 020-26615031
 Email: - prd@mahaurja.com

Kind Att:- Shri. J.V. Torne

Sub:- Implementation of MERC (Renewable Purchase Obligation, its compliance & Implementation of REC framework) Regulations, 2010 Submission of data for FY 2013-14
 Ref:- Your letter BP/RPO-STATUS/2014-15/4020 dt.21.05.2014.

Sir,

With reference to your above referred letter regarding Implementation of MERC (Renewable Purchase Obligation, its compliance & Implementation of REC framework) Regulations, 2010, we are submitting the necessary information of Gross Electricity Consumption and procurement of Renewable Energy of FY 2013-14 in the prescribed Form No. I, II & III respectively.

Sourcewise Renewable Energy procured by BEST for the FY 2013-14 is summarized below.

Source	RPO target for FY 2013-14 in MU's	RPO shortfall up to FY 2012-13 in MU's	Total RPO target for FY 2013-14 in MU's	RE procured by BEST in MU's	REC Procured by BEST in MU's	Total RPO target achieved for FY 2013-14 in MU's	RPO shortfall up-to FY 2013-14	Remark
1	2	3	4=2+3	5	6	7	8=4-7	9
Solar	24.15	36.53	60.68	22.86	0.00	22.86	37.82	To-be fulfilled cumulatively up to FY 2015-16 as approved by Hon'ble Commission in case No. 30 of 2013
Non-Solar (including Mini-Micro Hydro)	410.55	4.23	414.78	198.94	220	418.94	-4.16	RPO target achieved

Thanking you,

Yours faithfully,

N. V. Bhandari
June 09, 14.

(N.V. Bhandari)
 Divisional Engineer
 Power Purchase

Encl: - Form I, II & III., REC Certificate.
 Energy Balance Statement (Jan-14 to Mar-14)



BEST Undertaking, MUMBAI

FORM-I: RPO SETTLEMENT ACCOUNT FY-2013-14

A - SOLAR

GROSS ENERGY CONSUMPTION		RPO OBLIGATION (0.50%)	RPO % UP TO PREVIOUS MONTH	RPO % CUMULATIVE UP TO MONTH (1)	RE PURCHASE FOR THE MONTH		RE PURCHASE UPTO THE PREVIOUS MONTH		RE CUMULATIVE UP TO THE MONTH (2)		SHORT IF ANY (1-2)
					MU's		MU's		MU's		
MONTH	MU's	MU's	MU's	MU's	PREF TARIFF	REC	PREF TARIFF	REC	PREF TARIFF	REC	MU's
APR-13	422.92	2.115	36.530	38.645	0	0	0	0	0	0	38.645
MAY-13	462.44	2.312	38.645	40.957	0	0	0	0	0	0	40.957
JUN-13	417.52	2.088	40.957	43.044	0	0	0	0	0	0	43.044
JUL-13	418.55	2.093	43.044	45.137	0	0	0	0	0	0	45.137
AUG-13	414.44	2.072	45.137	47.209	0.0782	0	0	0	0.0782	0	47.131
SEP-13	414.79	2.074	47.209	49.283	0.2872	0	0.0782	0	0.3653	0	48.918
OCT-13	454.47	2.272	49.283	51.556	2.6983	0	0.2872	0	3.0637	0	48.492
NOV-13	395.26	1.976	51.556	53.532	3.7382	0	2.6983	0	6.8019	0	46.730
DEC-13	365.09	1.825	53.532	55.357	4.0633	0	3.7382	0	10.8652	0	44.492
JAN-14	345.61	1.728	55.357	57.085	3.6927	0	4.0633	0	14.5579	0	42.528
FEB-14	321.95	1.610	57.085	58.695	3.9268	0	3.6927	0	18.4847	0	40.211
MAR-14	396.99	1.985	58.695	60.680	4.3743	0	3.9268	0	22.8591	0	37.821
TOTAL	4830.04	24.150			22.85908						37.821

B - MINI / MICRO HYDRO

GROSS ENERGY CONSUMPTION		RPO OBLIGATION (0.0170%)	RPO % UP TO PREVIOUS MONTH	RPO % CUMULATIVE UP TO MONTH (1)	RE PURCHASE FOR THE MONTH		RE PURCHASE UPTO THE PREVIOUS MONTH		RE CUMULATIVE UP TO THE MONTH (2)		SHORT IF ANY (1-2)
					MU's		MU's		MU's		
MONTH	MU's	MU's	MU's	MU's	PREF TARIFF	REC	PREF TARIFF	REC	PREF TARIFF	REC	MU's
APR-13	422.92	0.072	0.000	0.072	0.5918	0	0	0	0.5918	0	-0.520
MAY-13	462.44	0.079	0.072	0.151	0.5945	0	0.5918	0	1.1862	0	-1.036
JUN-13	417.52	0.071	0.151	0.221	0.3997	0	0.5945	0	1.5859	0	-1.364
JUL-13	418.55	0.071	0.221	0.293	0.4808	0	0.3997	0	2.0668	0	-1.774
AUG-13	414.44	0.070	0.293	0.363	0.6182	0	0.4808	0	2.6849	0	-2.322
SEP-13	414.79	0.071	0.363	0.434	0.2872	0	0.6182	0	2.9721	0	-2.538
OCT-13	454.47	0.077	0.434	0.511	0.6297	0	0.2872	0	3.6018	0	-3.091
NOV-13	395.26	0.067	0.511	0.578	0.6210	0	0.6297	0	4.2228	0	-3.645
DEC-13	365.09	0.062	0.578	0.640	0.6466	0	0.6210	0	4.8694	0	-4.229
JAN-14	345.61	0.059	0.640	0.699	0.6265	0	0.6466	0	5.4959	0	-4.797
FEB-14	321.95	0.055	0.699	0.754	0.5533	0	0.6265	0	6.0492	0	-5.296
MAR-14	396.99	0.067	0.754	0.821	0.6621	0	0.5533	0	6.7113	0	-5.890
TOTAL	4830.04	0.821			6.711313						-5.890

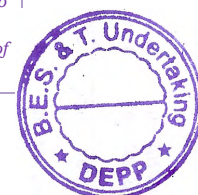
C - NON-SOLAR I.E. OTHER THAN SOLAR & MINI / MICRO HYDRO

GROSS ENERGY CONSUMPTION		RPO OBLIGATION (8.4830%)	RPO % UP TO PREVIOUS MONTH	RPO % CUMULATIVE UP TO MONTH (1)	RE PURCHASE FOR THE MONTH		RE PURCHASE UPTO THE PREVIOUS MONTH		RE CUMULATIVE UP TO THE MONTH (2)		SHORT IF ANY (1-2)
					MU's		MU's		MU's		
MONTH	MU's	MU's	MU's	MU's	PREF TARIFF	REC	PREF TARIFF	REC	PREF TARIFF	REC	MU's
APR-13	422.92	35.88	4.23	40.11	10.6729	0.000	0.00	0.00	10.67	0.00	29.43
MAY-13	462.44	39.23	40.11	79.34	11.3379	0.000	10.67	0.00	22.01	0.00	57.32
JUN-13	417.52	35.42	79.34	114.75	14.4327	0.000	11.34	0.00	36.44	0.00	78.31
JUL-13	418.55	35.51	114.75	150.26	13.5659	0.000	14.43	0.00	50.01	0.00	100.25
AUG-13	414.44	35.16	150.26	185.42	15.2436	0.000	13.57	0.00	65.25	0.00	120.16
SEP-13	414.79	35.19	185.42	220.60	15.0872	0.000	15.24	0.00	80.34	0.00	140.26
OCT-13	454.47	38.55	220.60	259.16	21.7437	40.000	15.09	0.00	102.08	40.00	117.07
NOV-13	395.26	33.53	259.16	292.69	17.5106	40.000	21.74	40.00	119.59	80.00	93.09
DEC-13	365.09	30.97	292.69	323.66	19.5518	40.000	17.51	40.00	139.15	120.00	64.51
JAN-14	345.61	29.32	323.66	352.97	17.3472	40.000	19.55	40.00	156.49	160.00	36.48
FEB-14	321.95	27.31	352.97	380.29	18.3725	40.000	17.35	40.00	174.87	200.00	5.42
MAR-14	396.99	33.68	380.29	413.96	17.0478	20.000	18.37	40.00	191.91	220.00	2.05
TOTAL	4830.04	409.732			191.914	220.000					2.05

As per RPO-REC Regulation, 2010 (RPO for FY 2013-14 is 9%)

Solar	0.50%	Mini-Micro Hydro 0.2% of Non-Solar	0.017 %
Non Solar	8.50%	Other than solar & Mini-micro Hydro	8.483 %

*As per MERC order in case no 181 of 2013. shortfall of 4.23 MU's for FY 2012-13 shall be fulfilled on cumulative basis in addition to the RPO target for FY 2013-14 before 31.March, 2014.
*As per MERC order in case No. 30 of 2013 cumulative shortfall of 36.53 MU's to-be fulfilled up to FY 2015-16.



FORM III - RENEWABLE ENERGY PROCUREMENT

BEST UNDERTAKING. MUMBAI.

SEPT- 2013

RE SOURCES DETAIL (SOLAR)

A		OWN GENERATION		BEST NOT HAVING OWN RE GENERATION
	RE-1		NIL	
		SUB TOTAL (A)	NIL	
B		PURCHAASE FROM OTHER RE SOURCE / LICENSEE		
	HEMANT GROUP (PVSP-03)	SOLAR PV	0.1529	
	GANGADHAR NARSINGADAS AGRAWAL (PVSP-20)	SOLAR PV	0.0139	
	SAIDPUR JUTE Co. LTD. (PSVP-19)	SOLAR PV	0.0070	
	G. I. ENERGIES (PSVP-17)	SOLAR PV	0.0060	
	AGRAWAL MINERIALS GOA PVT. LTD. (PSVP-10)	SOLAR PV	0.1073	
		SUB TOTAL (B)	0.2872	
C		PURCHASE THROUGH REC		NIL
D		RE SOLD TO OTHER PERSON		NIL
		SUB TOTAL (D)	NIL	
TOTAL GEC FOR THE MONTH (A+B+C)-(D)			NIL	

RE SOURCES DETAIL (MINI/ MICRO HYDRO)

A		OWN GENERATION		BEST NOT HAVING OWN RE GENERATION
	RE-1		NIL	
		SUB TOTAL (A)	NIL	
B		PURCHAASE FROM OTHER RE SOURCE / LICENSEE		
1	KRISHNA VALLEY POWER MINI HYDRO (VAJRA-2)	MINI HYDRO	0.59743	
		SUB TOTAL (B)	0.59743	
C		PURCHASE THROUGH REC		NIL
D		RE SOLD TO OTHER PERSON		NIL
		SUB TOTAL (D)	NIL	
TOTAL GEC FOR THE MONTH (A+B+C)-(D)			NIL	

RE SOURCES DETAIL (OTHER THAN SOLAR & MINI/ MICRO HYDRO)

A		OWN GENERATION	QUANTAM (MUS)	REMARKS	
	RE-1		NIL	BEST NOT HAVING OWN RE GENERATION	
		SUB TOTAL (A)	NIL		
B		RE SOURCE (TYPE OF RE)	SOURCE	QUANTAM (MUS)	REMARKS
1	TPTCL-(LOKMANGAL AGRO)		BAGASSE	0.0000	
2	TPTCL-(PIONEER)		BIO-GAS	0.3734	
3	RETL (GRETA ENERGY)		BIOMASS	8.5438	
4	RETL (MAHARASHTRA VIDYUT NIGAM)		BIOMASS	5.0390	
5	RETL (YASH AGRO ENERGY LTD)		BAGASSE	1.1311	
		SUB TOTAL (B)		15.0872	
C		PURCHASE THROUGH REC		NIL	
D		RE SOLD TO OTHER PERSON		NIL	
TOTAL GEC FOR THE MONTH (A+B+C)-(D)			15.9719		

NOTE:- ABOVE ENERGY AS PER GENERATION CREDIT NOTE, JOINT METER READING CERTIFIED BY MSEDCL/MSETCL & YET TO BE ACCOUNTED IN FBSM BILL

