MAHAVITARAN
Maharashtra State Electricity Distribution Co. Ltd.
(Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645

Office of the Chief Engineer (Commercial)
Maharashtra State Electricity Distribution Co. Ltd.
"Prakashgad", 5th Floor, Station Road, Bandra (E), Mumbai -400 051.
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Comm/MERC/2016/ No 04723 Date: 10 FEB 2016

MERC
Inward No: 4619 Date 11/2/16
Chairman Member Member
Secretary

To
The Secretary,
Maharashtra Electricity Regulatory Commission,
13th Floor, Centre No.1, World Trade Centre,
Cuffe Parade,Mumbai – 400 005.

Sub: Written submission in the matter of MERC Case No. 16 of 2016 (Verification of RPO compliance for FY 2014-15)

Ref: 1. MERC Notice No. 845 dated 29th October 2015
2. MERC Public Notice dated 05.02.2016

Respected Sir,

With reference to the above subject, please find enclosed herewith the written submission of MSEDCL in the matter of MERC Case No. 16 of 2016, Suo-motu proceeding for Verification and Compliance of Renewable Purchase Obligation targets of MSEDCL for FY 2014-15, as specified under MERC (RPO, its compliance and Implementation of REC framework) Regulations, 2010

Submitted for further needful please.

Thanking you,

Yours faithfully,

Chief Engineer (Commercial)

Copy s. w. r. to:
1. The Director (Operations), MSEDCL, Mumbai.
2. The Executive Director (Commercial), MSEDCL, Mumbai.

Copy to:
1. Maharashtra Energy Development Agency (MEDA)
   MHADA Commercial Complex,
   2nd Floor, Opp. Tridal Nagar,
   Yerawada, Pune - 411 006
2. Maharashtra State Load Dispatch Centre (MSLDC),
   Maharashtra State Electricity Transmission Co Ltd.
   Thane-Belapur Road, P.O. Airoli, Navi-Mumbai 400 708
3. Prayas (Energy Group),
   Amrita clinic, Athwale Corner, Lakdipool-Karve Road Junction,
   Deccan Gymkhana, Karve Road, Pune – 411 004
4. Mumbai Grahak Panchayat,
   Grahak Bhavan, Sant Dnyaneshwar Marg,
   Behind Cooper Hospital, Vile Parle (West), Mumbai – 400 056
5. The General Secretary, Thane Belapur Industries Association,
   Plot No. P-14, MIDC, Rabale Village, PO Ghansoli, Navi Mumbai - 400 701
6. Vidarbha Industries Association,
   1st Floor, Udyog Bhavan, Civil lines, Nagpur - 440 001
7. Maharashtra Chamber Of Commerce,
   Industry & Agriculture, Oricon House, 6th Foor,
   12 K. Dubash Marg, Fort, Mumbai-400 001

NOTARY
RANJEET SINGH
SANTACRUZ (E),
MUMBAI, M.S.
Regd. No. 9136
Exp. Dt. 23/02/2018
GOVT. OF INDIA

BEFORE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION, MUMBAI

CASE NO. 16 of 2016

IN THE MATTER OF:

Suo-motu proceeding for Verification and Compliance of Renewable Purchase Obligation targets of MSEDCL for FY 2014-15, as specified under MERC (Renewable Purchase Obligation, its compliance and Implementation of REC framework) Regulations, 2010

Affidavit

I, Parag H. Jambhulkar, Aged 53 years, having my office at Maharashtra State Electricity Distribution Co. Ltd., Prakashgad, Plot No.G-9, Anant Kanekar Marg, Bandra (East), Mumbai-400 051 do solemnly affirm and say as follows :-

I am Superintending Engineer (Commercial) of Maharashtra State Electricity Distribution Co. Ltd., the respondent in the above matter and am duly authorized to make this affidavit.

The averments made in the enclosed Written Submission in the matter of Suo-motu proceeding for Verification and Compliance of Renewable Purchase Obligation targets of MSEDCL for FY 2014-15 are based on the information received from the concerned officers of the Company and I believe them to be true.

I solemnly affirm at Mumbai on this Day of February, 2016 that the contents of this affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Superintending Engineer (Commercial)
MSEDCL

Identified before me

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BEFORE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION, MUMBAI

Case No. 16 of 2016

IN THE MATTER OF

Suo-motu proceeding for Verification and Compliance of Renewable Purchase Obligation targets of MSEDCL for FY 2014-15, as specified under MERC (Renewable Purchase Obligation, its compliance and Implementation of REC framework) Regulations, 2010

WRITTEN SUBMISSION

By Maharashtra State Electricity Distribution Company Limited

Pursuant to the directives issued by the Hon'ble Commission vide its Notice No. 00845 dated 29th October 2015 (Received on 20.11.2015); MSEDCL is filing this written submission.
The point-wise reply is submitted as under:

a) MSEDCL should verify the RPO settlement details for FY 2014-15, as submitted by MEDA, (copy attached as Annexure with this letter) and highlight discrepancies, if any, along with proper justification.

It is respectfully submitted that, the data considered for RPO compliance is not in order and needs to be corrected for the following reasons:

1) MSEDCL, vide letter dated 07.08.2015, submitted the RPO Compliance Report for FY 2014-15 in the prescribed format to MEDA and MERC.

The compliance of RPO was computed on the basis of monthly Gross Energy Consumption (GEC) at T<>D interface as informed by MSLDC during FY 2014-15.
2) Later on it was informed to consider the GEC of State Discoms after grossing up the losses. (At G<>T interface).

It is observed that MSLDC submitted the data for GEC of MSEDCL mentioning both the figures i.e. GEC (At T<>D interface) as well as GEC after loss adjustment (At G<>T interface) to MEDA. The same was informed to MSEDCL vide E-mail dated 09.09.2015.

3) It is further observed that the MERC while passing the order in Case No. 190 of 2014 dated 04.08.2015 in the matter of Verification of compliance of Renewable Purchase

Obligation targets by MSEDCL for FY 2013-14 has considered the loss adjusted GEC as submitted by MEDA & MSLDC later on after the hearing.

In view of the above, it has been clarified that the loss adjusted GEC (At G<>T interface) will be considered for ascertainment of RPO Compliance.

4) On the basis of revised GEC submitted by MSLDC, MSEDCL has prepared revised RPO Compliance for the FY 2014-15 and submitted to the MEDA vide latter dated 01.12.2015.

MSEDCL is in shortfall of 647 MUs in meeting the Non-Solar RPO target for FY 14-15 and shortfall of 276 MUs in meeting the Solar RPO target for FY 14-15 and shortfall of 18 MUs in meeting the Mini/Micro Hydro target for FY 14-15.

5) **Necessity for revision of previously submitted RPO data:**

In the previous RPO compliance report submitted to MEDA vide letter dated 07.08.2015 MSEDCL considered RE procurement and OA consumption at distribution periphery i.e. T<>D interface only as per the previous practice.

If we now are going to consider the GEC at Transmission periphery i.e. the G<>T interface by grossing up for system transmission losses (around 4 %), it is necessary to consider the RE procurement and OA consumption also at Transmission periphery i.e. G<>T interface by grossing up for losses and the RPO compliance for FY 2014-15 needs to be recalculated.

It is submitted that for comparison to be fair and correct, both the data should be on equal footings either on distribution periphery or on Transmission periphery. It will not be correct to compare the data on transmission periphery with the other data on distribution periphery as it will never match.

6) However, in the mean time, it appears that MEDA in their office report, submitted to the MERC, considered the revised GEC after loss adjustment received from MSLDC and calculated the RPO targets from the revised GEC only. Accordingly, the targets appear to be increased.

However, the MSEDCL RE procurement and OA quantum is not revised accordingly and hence the non solar shortfall appears to be increased to 989 MUs. Similarly shortfall in solar & mini-micro hydro power procurement appears to be on higher side i.e. 287 MUs and 18 MUs respectively.

7) It is observed that, the Hon'ble Commission has considered the MEDA report and accordingly higher GEC (loss adjusted at G<>T Interface) is being compared with (lower) RE Procurement & Open Access units (at T<>D interface) resulting into increased shortfall of MSEDCL. It is submitted that the same would not be correct.

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8) In view of the above, it is humbly requested that the Hon'ble Commission may consider the Revised RPO compliance submitted by MSEDCL vide letter dated 01.12.15 in order to determine the actual / realistic achievement of RPO targets.

The details of calculation of revised RPO compliance is given below.

Calculation of Revised RPO compliance

I) Gross Energy Consumption (GEC):

Sr. No.	Particular	Previous GEC (at T<>D interface) MUs	Average Percentage Grid loss throughout FY 14-15 (%)	Revised GEC by adding grid loss (at G<>T interface) MUs
1	MSEDCL GEC	110108	3.98%	114678

II) Open access consumption:

Sr. No.	Source	Previous OA (at T<>D interface) MUs	Average Percentage Grid loss throughout FY 14-15 (%)	Revised OA by adding grid loss (at T<>D interface) MUs
1	Wind	532	3.98%	553
2	Small Hydro	89		92
3	Conventional Open Access	3909		4063
	Total	**4530**		**4709**

III) Net Gross Energy Consumption (Net GEC):

Sr. No.	Particular	MUs
1	MSEDCL GEC for FY 2014-15 as per MSLDC revised FBSM Report (MUs)	114678
2	Less OA (Conventional + Wind +Small Hydro) (MUs)	4709
3	**Net GEC of MSEDCL (MUs) for FY 2014-15**	**109969**

IV) Revised Non Solar RE procurement:

Sr. No.	Source	Previous NCE data (at T<>D interface) MUs	Average Percentage Grid loss throughout FY 14-15 (%)	Revised NCE by adding grid loss (at T<>D interface) MUs
1	Wind	4456	3.98%	4633
2	Small Hydro	642		667
3	Co-gen (Bagasse + Biomass)	3176		3299
4	Municipal Solid West (MSW)	0.438		0.456
5	Non Solar REC	100		100
	Total Non-Solar Procurement	**8374**		**8700**
6	Mini Micro Hydro Procurement	0.826		0.858
	Total	**8375**		**8701**

Revised Non Solar & Mini Micro RPO Compliance: (FY 2014-15):

Particulars	Non Solar		Mini-Micro Hydro	
	MUs	%	MUs	%
Target	9347	8.5	18.70	0.20
Achievement	8701	7.9	0.86	0.01
Shortfall FY14-15	**647**		**17.84**	

The Revised Solar procurement:

Sr. No.	Source	Previous NCE data (at T<>D interface) MUs	Average Percentage Grid loss throughout FY 14-15 (%)	Revised NCE by adding grid loss (at T<>D interface) MUs
1	Solar Procurement	263	3.98%	274
Total		**263**		**274**

Revised Solar RPO Compliance: (FY 2014-15):

Particulars	Solar	
	MUs	%
Target	550	0.50
Achievement	274	0.25
Shortfall FY14-15	**276**	

b) MSEDCL should submit the status of Solar RPO compliance of as per the directives of the Commission vide Order in Case No. 180 of 2013 and Case No. 190 of 2014 along with detailed statement for project wise energy procurement in MUs from all solar generating project and project wise contracted solar power capacity in MW during FY 2010-11 to FY 2014-15.

The Solar RPO compliance for FY 2014-15 is summarized as below:

Revised RPO Compliance: (FY 2014-15):

The Solar procurement:

Sr. No.	Source	Previous NCE data (at T<>D interface) MUs	Average Percentage Grid loss throughout FY 14-15 (%)	Revised NCE by adding grid loss (at T<>D interface) MUs
1	Solar Procurement	263	3.98%	274
Total		**263**		**274**

Particulars	Solar	
	MUs	%
Target	550	0.50
Achievement	274	0.25
Shortfall FY14-15	**276**	

Past shortfall carried forward	644 (FY12-13) +282 (FY13-14)
Cumulative Shortfall till FY 14-15	**1202**

The Solar projects contracted capacity is as below:

Sr. No.	**Source of Renewable Energy**	**Contracted Capacity in MW**
5	Solar	327
Total		**327 MW**

The list of MSEDCL contracted Solar Power Projects:

Sr.No	Project owner Name	Name of location	Capacity MW	Date of Commissioning	Date of MOU/PSA	Date of EPA	Name of Scheme
1	MSPGCL	Chandrapur	1	20.04.2010	30.08.2009		GBI/MNRE
2	M/s.Clover Solar Pvt.Ltd	Supa, Baramati	2	10.10.2011	15.10.2010		Migration/ JNNSM
3	M/s. MSPGCL	Chandrapur	4	16.10.2011			
4	M/s. Videocon Industries	Warora , chandrapur	5	14.10.2011			
5	Dr.Babasaheb Amedkar SSKL	Osmanabad	1	16.08 .2011	20.10.2011	20.08.2010	RPSSGP/ JNNSM
6	M/s. Sepset Constructions Ltd	Katol	2	16.11.2011		20.08.2010	
7	M/s. Citra Real Estate Ltd	Katol	2	16.11.2011		20.08.2010	
8	M/s. MSPGCL	Sakri, Dhule	125	29.03.13	11.11.2010	05.01.2011	MERC
9	M/s. MSPGCL	Sakri,Dhule	15			15.03.2012	MERC
10	Sai Baba Green Energy Power projects Pvt.Ltd	Osmanabad	5	11.02.2013	05.01.2012		NNSM Phase-I, Batch-II
11	Firestone Trading Company Pvt.Ltd	A'nagar	5	06.09.2012			
12	MSPGCL	Shirshufal, Baramati	36 14	19.12.2014 31.03.2015		31.08.2013	MERC
13	MSPGCL	Koudgaon, Osmanabad	50			28.03.2014	MERC
14	MSPGCL	Sakri,Dhule	10			29.03.2014	MERC
15	Sharda Constructions and corporations Ltd	Latur	10	28.05.2015	15.12.2014		JNNSM Phase-II (Batch-I)
16	Vishwaj Energy Pvt.Ltd	Solapur	10	28.04.2015			
17	Sunil Hitech Solar (Dhule)Pvt.Ltd	Solapur	5	29.06.2015			
18	IL&FS Development Co.Ltd	Madhya Pradesh	15				
19	Today green Energy Pvt.Ltd	Rajasthan	10	08.10.2015			
		Total	**327**	**MW**			

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Note:- MSEDCL has given consent for procurement of 500 MW solar power under JNNSM Phase-II(Batch-III) state specific scheme implemented by nodal agency Solar Energy Corporation of India(SECI). The SECI is carrying out the tendering process for selection of 500 MW solar power projects situated in Maharashtra under the said scheme. Thus, it can be considered that MSEDCL has contracted for 827 MW (327MW+500MW) Solar power.

c) MSEDCL should submit the status of Non-Solar RPO compliance including Mini-Micro Hydro RPO compliance as per the directives of Commission vide Order in Case No. 180 of 2013 and Case No. 190 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

The Non-Solar RPO compliance for FY 2014-15 is summarized as below:

Revised RPO Compliance: (FY 2014-15):

Particulars	**Non Solar**		**Mini-Micro Hydro**	
	MUs	**%**	**MUs**	**%**
Target	9347	8.5	18.70	0.20
Achievement	8701	7.9	0.86	0.01
Shortfall FY14-15	**647**		**17.84**	
Past shortfall carried forward	298 (FY12-13) +780 (FY13-14)		16.60 (FY12-13) +16.05 (FY13-14)	
Cumulative Shortfall till FY 14-15	**1725**		**50.49**	

The NCE procurement:

Sr. No.	**Source**	**Previous NCE data (at T<>D interface) MUs**	**Average Percentage Grid loss throughout FY 14-15 (%)**	**Revised NCE by adding grid loss (at T<>D interface) MUs**
1	Wind	4456	3.98%	4633
2	Small Hydro	642		667
3	Co-gen (Bagasse + Biomass)	3176		3299
4	Municipal Solid West (MSW)	0.438		0.456
5	Non Solar REC	100		100
	Total Non-Solar Procurement	**8374**		**8700**
6	Mini Micro Hydro Procurement	0.826		0.858
Total		**8374.826**		**8700.858**

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The source-wise Non-solar, Solar and Mini-Micro Hydro projects contracted capacity is as below:

Sr. No.	Source of Renewable Energy	Contracted Capacity in MW
1	Wind	3012
2	Co-generation	1974
3	Biomass	201
4	Small Hydro	69
5	MSW	4
6	Mini/Micro Hydro	1.7
Total		**5261.7 MW**

Due to large no. of projects the list is not submitted.

d) MSEDCL should submit the detailed list of action and efforts undertaken by it prior to and during FY 2014-15 to ensure compliance of RPO target in respect of Solar RPO, Non-solar RPO and Mini/Micro Hydro RPO for FY 2014-15.

Efforts taken for meeting Non-Solar RPO target:

MSEDCL has always encouraged RE generation in the State and has executed long term EPAs with all the renewable (non-solar) generators approaching MSEDCL at preferential tariff in line with the terms and conditions specified by the Hon'ble Commission from time to time. All the relevant details are provided in the reply to point no. (e) below.

Efforts taken for meeting Solar RPO target:

MSEDCL has executed long term power purchase agreements for the total capacity 827 MW as on date to meet the solar target from FY 2010-11 onwards under various schemes of GoI and MSPGCL. The details are already submitted at para (b) above, hence not repeated.

During the FY 2015-16, 50 MW solar power projects are commissioned under JNNSM Phase-II (Batch-I) scheme.

It is further submitted that the Government of Maharashtra has notified new composite RE Policy-2015 vide GR dated 20.07.2015.

In the said policy, 2500 MW solar power projects are proposed to be set up by Mahagenco through PPP based model. It is further submitted that in view of proposed developments of Solar Energy Projects by MSPGCL, which is a state government company and sister concern of MSEDCL, MSEDCL shall purchase the solar power required for fulfilling the RPO target from MSPGCL at MERC preferential tariff, rest 5000 MW shall be purchased through Competitive Bidding as mandated by GoM RE Policy 2015.

Also, MSEDCL is allowing open Access as per MERC (Distribution open Access) Regulations, 2014. As per the Regulation 26.8, the surplus power after setting off against the OA consumer consumption in respective 15 min time-slot is purchased by MSEDCL at APPC rate. The same has been permitted to take into account for solar RPO. Further, the power injected by the consumers under Solar Rooftop net metering will be considered for meeting solar RPO target from FY 2016-17.

It is further submitted that, MSEDCL is purchasing solar power from all those solar projects which have participated in various schemes of Government of India and Jawaharlal Nehru National Solar Mission.

In the order dated 04.08.2015 in case No.190 of 2014 in the matter of verification of compliance of Renewable Purchase Obligation targets by MSEDCL for FY 2013-14, the Hon'ble Commission has observed that, under the proviso to Regulation 7.2., the solar power purchased from solar power generators within the framework of the bidding mechanism under Govt. schemes such as the JNNSM does not count towards the RPO since such purchase is not at the Commission-approved rate.

In this regard, it is to submit that, MSEDCL has given consent and procuring power under JNNSM scheme as the solar power procured under JNNSM scheme is eligible for fulfillment of RPO target as intimated by MNRE. Further, MERC in its order dated 12.05.2010 has in-principally approved and allowed MSEDCL to participate in JNNSM for procurement of solar power for fulfillment of RPO target.
Thus it is submitted that the Solar power procured under JNNSM/GoI schemes needs to be accounted towards fulfillment of Solar RPO.

Efforts taken to meet Mini-micro Hydro RPO Target:

Hydro Projects having capacity below 1 MW are Mini / Micro Hydro projects. Currently, there are only 3 projects commissioned under this category namely, Shahnoor (0.75 MW), Yeoteshwar (0.075 MW) and Tervanmedhe, MSPGCL (0.2 MW). The first two are Government Projects and are very old projects. The power is procured from them as per MERC SHP tariff order dated 09.11.2005 and MERC RE tariff order dated 14.07.2010.
MSEDCL is willing to execute the long term EPA with the Mini/ Micro project holders in order to fulfill mini micro RPO target, as and when they approach. However, no capacity addition has taken place during FY 2014-15 and till date and perhaps the same scenario will continue to exist in near future.
Hence, the Hon'ble Commission is requested to consider the ground realities and cancel the separate categorization of Mini/Micro Hydro RPO target.

(2) Such procurement by Distribution Licensees for future requirements shall be done, as far as possible, through competitive bidding process under Section 63 of the Act within suppliers offering energy from same type of non-conventional sources. In the long-term, these technologies would need to compete with other sources in terms of full costs.

(B) The **Appellate Tribunal for Electricity** in its order dated 14th Nov, 2013 in Appeal No. 265 of 2012 in the matter of M/s. BEST has held as under:

a) The State Commission first fixed the Renewable Purchase Obligations without ascertaining as to whether power from Renewable Sources is available or not. ***Para 6.4 (1) of the Tariff Policy requires the State Commission to ascertain that the power from Renewable Energy Sources is available in the region before fixing the Renewable Purchase Obligations. Accordingly, the Commission ought to have ascertained the availability of power from such sources at the approved rate.*** *Only, then, it should have directed the licensees that it would approve the power purchases cost from Renewable Energy sources at rate to be approved by the Commission in future. This was not done by the State Commission in the present case. The approach adopted by the State Commission was incorrect.*

(C) The Hon'ble Commission vide its MERC (RPO-REC) Regulations, 2010 has specified the RPO target from FY 2010-11 up to FY 2015-16 to be fulfilled by the obligated entities such as Discoms, CPP holders and Open Access Consumers.

However, it appears that while specifying the said RPO target, no special tools /data/measures were available to ascertain the actual availability / actual RE potential in the state.

At present the RPO compliance of all four Discoms namely MSEDCL, TPC, BEST and R-Infra is only being monitored through *suo-motu* proceedings by the Hon'ble Commission.

The GEC of the Discoms is increasing day by day in line with load growth and so also the RPO target. But, in line with the same, there is no sufficient capacity addition taking place in RE sector. Hence, since FY 2012-13 onwards shortfall is being observed in meeting the RPO target by the State utilities in general and MSEDCL in particular. It is observed that the other Discoms TPC, R-Infra & BEST are fulfilling their RPO target by purchasing RECs in addition to purchase of RE.

Accordingly, the RPO target needs to be reviewed and if there is no RE available for purchase by Discom, then the shortfall in meeting the RPO targets needs to be waived. Presently, as seen from the factual position there is no sufficient RE projects in state to cater the RE requirement of state Discoms for meeting RPO targets.

In view of the above, the shortfall needs to be waived off.

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

It is submitted that, MSEDCL has contracted sufficient renewable power for meeting the RPO targets for FY 2015-16. The details are as below:

Source	Contracted Capacity as on 31.03.2015	Commissioned Capacity as on 31.03.2015	Expected Capacity addition in FY 15-16	CUF/PLF	Expected generation in MUs in FY 15-16
Wind	3012	3012	250 + 347 (FY14-15) =597	20%	6328
Bagasse Cogen	1775	1642	125	60%	6106
Biomass	201	147	0	80%	1030
Small Hydro	69	65	4	30%	181
Mini/Micro Hydro	1.7	1.7	0	30%	5
Total	**5059**	**4868**	**669**		**13650**

It is to submit further that, the estimated GEC of MSEDCL for FY 15-16 will be around 1,20,000 MUs. To fulfill the 8.5% Non-Solar RPO target, around 10200 MUs RE will be required.

Considering the CUF as specified by MERC/MEDA, around 13650 MUs of RE is expected to be generated and procured by MSEDCL. Therefore, MSEDCL can easily meet RPO target for FY 15-16.

It is submitted further that if such capacity addition could not take place, MSEDCL will purchase RECs to fulfill RPO targets.

Need for Verification of RE potential in the state with regards to RPO target:

The following is submitted for the consideration of the Hon'ble Commission.

(A) The **National Tariff policy** provides as under:

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

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

It will take some time before non-conventional technologies can compete with conventional sources in terms of cost of electricity. Therefore, procurement by distribution companies shall be done at preferential tariffs determined by the Appropriate Commission.

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Summary:

In light of above, it is to submit that,

1. MSEDCL has taken all efforts by executing long term EPA's with all RE generators (except Solar), intending to exercise the sale to MSEDCL option, to fulfill its RPO target on the basis of CUF/PLF as determined by MEDA / MERC.
2. In spite of the above, it is observed that, the RE generation available to MSEDCL is not as per expected CUF.
3. This proves that either the CUF projections are to be rationalized or the RE Generator's efficiency has to be improved.
4. If RE generator for whatever reasons including natural reasons beyond their control is not able to generate enough MUs then MSEDCL can not be penalized as these so called natural reasons or inefficiencies of generator are beyond control of MSEDCL also. MSEDCL may not be expected to increase the contracted capacity beyond its requirement. If MSEDCL contract more capacity and if entire capacity works at given CUF then MSEDCL will have to buy RE power more than required and this being costlier power will hurt consumer's interest.
5. In view of the above-said shortfall, MSEDCL may proceed to issue notices to RE generators to bear the consequences, if any, on account of short supply of RE generation vis-à-vis CUF/PLF.
6. Further, the Hon'ble Commission till FY 2014-15 has provided various benefits to the Open Access consumers sourcing RE power such as Banking, TOD time-slot wise energy accounting, Concessional CSS, exemption from Reduction of Contract Demand etc. The open access consumers are enjoying these benefits along with the cheaper power offered by wind power projects especially old projects. Besides, the RE generators can claim REC benefit on the quantum of renewable energy supplied under Open Access; over and above the cost of power supplied. Considering double benefits, more and more RE generators are opting for Open Access. This has direct bearing on quantum of renewable energy available for sale to MSEDCL.
7. Thus, it is humbly prayed that, the efforts of MSEDCL in fulfilling the specified RPO target, may be considered and appreciated in light of shortfall in RE generation, increase in GEC & RPO target, rise in RE Open Access quantum and all other constraints. Accordingly, the balance RPO target may be waived considering the various constraints and penal action may not be initiated against MSEDCL for shortfall.
8. Else, the compliance of RPO target may be considered on the basis of actual contracted RE capacity and not on the basis of the actual units injected.

Prayers:

In light of above and taking into consideration, the efforts taken by MSEDCL to meet RPO target, it is humbly prayed as under:

i) The compliance of RPO target may be considered on the basis of actual contracted RE capacity and not on the basis of the actual units injected.

ii) The shortfall may be waived in the interest of the common consumers.

iii) MSEDCL has contracted more than sufficient quantum of RE power so as to meet the RPO target on the basis of CUF decided by MEDA and approved by MERC. However, there is shortfall in meeting RPO target due to short supply by RE generators vis-a-vis CUF. Hence, the Hon'ble Commission may direct MEDA to find out the reasons for shortfall (either the CUF projections are to be rationalized or the generator's efficiency has to be improved).

iv) If RE generator for whatever reasons including natural reasons beyond their control is not able to generate enough MUs then MSEDCL can not be penalized as these so called natural reasons or inefficiencies of generator are beyond control of MSEDCL also. MSEDCL may not be expected to increase the contracted capacity beyond its requirement. If MSEDCL contract more capacity and if entire capacity works at given CUF then MSEDCL will have to buy RE power more than required and this being costlier power will hurt consumer's interest.

v) The RPO target needs to be reviewed taking into consideration the simultaneous rise in GEC and actual RE potential in the State which is available for sale to utility.

vi) It is submitted that, the Non-solar/ Solar RPO target of MSEDCL needs to be reduced to the extent of the quantum of renewable energy wheeled under Open Access.

vii) In case, if penalty is levied for non compliance of RPO, MSEDCL may be allowed to recover the same from the RE generators rather than procuring REC and burdening the common consumers.

viii) It is requested to cancel the separate categorization of Mini/Micro Hydro RPO target considering the ground realities.

ix) The Solar Power procured at APPC rate, as a promotional activity may be allowed to be considered for meeting the solar RPO target of MSEDCL.

x) To permit MSEDCL to make further submissions, addition and alteration to this submission as may be necessary from time to time.

Superintending Engineer (Commercial)

MSEDCL

BEFORE ME

RANJEET SINGH
M.Sc.LL.B
NOTARY
MAHARASHTRA
GOVT. OF INDIA
10 FEB 2016

NOTARY RANJEET SINGH SANTACRUZ (E) MUMBAI, M.S. Regd. No. 9138 Exp. Dt. 23/10/2018 GOVT. OF INDIA

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MAHAVITARAN
Maharashtra State Electricity Distribution Co. Ltd.
(A Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645

Maharashtra State Electricity Distribution Co. Ltd.
Office of the Chief Engineer (Commercial)
"Prakashgad", 5th Floor, Station Road, Bandra (E), Mumbai -400 051.
Tel.: (P) 26474753, (O) 26474211, Fax : (022) 26472366
Email: cecomm@mahadiscom.in, Website: www.mahadiscom.com

No. Comm/ RPO/Submission/ No 40517

Date: 11 DEC 2015

To
The Director General, (MEDA),
Maharashtra Energy Development Agency,
MHADA Commercial Complex, 2nd Floor, Opp. Tridal Nagar.
Yerwada, Pune-411 006

Sub: Revised Compliance of RPO target by MSEDCL for FY 2014-15

Ref: 1. MERC (RPO) Regulations, 2010.
2. T.O.L. No. Comm/RPO/Submission/30491 dated 07.08.2015
3. The C.E., MSLDC Email dated 09.09.2015

Respected Sir,

In connection with the above, this is to state that vide letter under reference (2), MSEDCL has submitted the RPO compliance for FY 2014-15 on the basis of data regarding Gross Energy Consumption (GEC) at T<>D interface as per the monthly report received from MSLDC.

It was then observed that the MSLDC later on submitted the MSEDCL GEC data to MEDA after grossing up for transmission losses. Thus, the GEC of MSEDCL was shown on higher side to the extent of grossing up the transmission loss; i.e. GEC at G<>T interface.

In order to compare the data, the energy data has to be placed on equal footing. Accordingly, the revised RPO compliance is prepared considering MSEDCL's RE procurement after grossing up for transmission losses and is submitted herewith in prescribed format.

MSEDCL's revised RPO compliance for FY 2014-15:

a) Solar RPO achieved is 0.249% as against 0.50%. There is a shortfall of 276 MUs.

b) Mini/Micro Hydro achieved is 0.009% as against the target of 0.2%. There is a shortfall of 18 MUs.

c) Non-Solar (Excluding Mini Micro) RPO achieved is 7.91% as against the target of 8.483%. There is a shortfall of 629 MUs.

d) Non Solar Renewable Energy Certificates (RECs) equivalents to 100 MUs procured in the month of March 2015.

e) Non-Solar (Including Mini Micro) RPO achieved is 7.91% as against the target of 8.5%. There is a shortfall of 647 MUs.

This is submitted for your information and further needful please.

Thanking you,

Yours faithfully,

Chief Engineer (Commercial)

Encl: As above

Copy s. w. r. to:
1. The Secretary, (MERC),
MERC, World Trade Centre, Centre No. 1, 13th Floor, Cuffe Parade, Mumbai-400 005
2. The Director (Operations), MSEDCL, Mumbai
3. The Executive Director (Commercial), MSEDCL, Mumbai

Copy f. w. c . to: The Chief Engineer, MSLDC, Kalwa, Airoli, Navi Mumbai

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MSLDC revised Gross Energy Consumption data

RPO Data For FY 2014-2015

All Values are in kWh

Sr. No.	Months	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
1	MSEDCL Drawal (T<>D)	9,654,963,716	9,813,927,859	9,359,394,770	8,848,001,971	8,366,507,272	8,485,036,872	9,783,497,467	9,277,190,946	9,408,101,828	8,998,826,164	8,727,537,246	9,385,061,097	110,108,047,207
	% State Grid Loss	4.47%	4.39%	4.57%	3.63%	3.85%	3.81%	4.06%	4.03%	3.63%	3.81%	4.12%	3.34%	
	MSEDCL Drawal (Loss adjusted)	10,107,047,459	10,264,571,463	9,808,041,645	9,181,059,112	8,701,336,995	8,821,222,416	10,197,109,680	9,666,739,771	9,762,936,030	9,355,733,727	9,102,378,028	9,709,822,379	114,677,998,705
5	MSEDCL Wind	279,327,765	429,248,848	878,014,102	1,153,302,492	624,813,225	564,568,707	184,862,220	183,694,676	227,367,953	136,543,701	165,456,366	225,154,899	5,052,354,955
	Biomass/Bagasse Co-gen	263,109,156	185,304,025	105,606,300	44,188,605	29,874,000	27,013,389	50,456,894	316,762,966	492,360,275	508,840,613	489,054,966	505,713,756	3,018,284,945
	SHP to MSEDCL	64,555,664	56,071,317	36,127,733	23,978,238	57,166,268	63,599,862	33,434,661	50,198,066	48,569,921	51,147,322	46,029,705	54,684,507	585,563,264
	Solar To MSEDCL	25,913,524	25,602,070	23,672,879	19,043,600	20,423,204	22,191,394	26,997,772	26,697,599	32,945,953	36,148,985	31,774,418	30,979,570	322,390,969
	Mini/ Micro	-	-	-	-	-	-	-	-	-	-	-	-	-
	MSW	-	-	-	-	-	-	-	-	-	-	-	-	-

RPO Data For FY 2014-2015- Yearly (in kWh)

Sr. No.	YEAR	2014-15
1	MSEDCL Drawal (T<>D)	110,108,047,207
	MSEDCL Drawal (Loss adjusted	114,677,998,705
5	MSEDCL Wind	5,052,354,955
	Biomass/Bagasse Co-gen	3,018,284,945
	SHP to MSEDCL	585,563,264
	Solar To MSEDCL	322,390,969
	Mini/ Micro	-
	MSW	-

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Revised RPO Compliance data for FY 2014-15

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FORM II - GROSS ENERGY CONSUMPTION (YEAR 2014-15)

Month :

Utility : Maharashtra State Electricity Distribution Company Ltd.

	GROSS CONSUMPTION	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
														Quantum (MUs)
1	Energy Drawal at T<>D interface	9654.963716	9813.927859	9359.394770	8848.001971	8366.507272	8485.036872	9783.497467	9277.190946	9408.101828	8998.826164	8727.537246	9385.061097	110108.047207
	% State Grid Loss	4.47%	4.39%	4.57%	3.63%	3.85%	3.81%	4.06%	4.03%	3.63%	3.81%	4.12%	3.34%	
	MSEDCL Drawal (Loss adjusted)	10107.047459	10264.571463	9808.041645	9181.059112	8701.336995	8821.222416	10197.109680	9666.739771	9762.936030	9355.733727	9102.378028	9709.822379	114677.998705
	Conventional OA units consumption	205.309672	320.996572	263.156025	325.022142	330.034876	326.972998	336.915807	348.963899	371.787329	373.418861	335.687591	370.840662	3909.106434
	Wind OA (Self Use + TPS) at T<>D interface	18.189132	34.806426	71.538093	96.717285	69.486515	76.572534	42.535166	16.487312	31.931645	19.840800	24.067469	30.032926	532.205303
	Small Hydro OA MUs	9.651106	5.907739	2.070998	3.296523	14.866890	11.514564	3.657714	7.869288	8.664332	8.638630	5.488724	7.258649	88.885156
	Total OA Units at T <> D	233.149910	361.710737	336.765116	425.035950	414.388281	415.060096	383.108687	373.320499	412.383306	401.898291	365.243784	408.132237	4530.196894
	% State Grid Loss	4.47%	4.39%	4.57%	3.63%	3.85%	3.81%	4.06%	4.03%	3.63%	3.81%	4.12%	3.34%	
	Total OA Units (Loss adjusted)	243.58	377.59	352.17	440.45	430.33	430.88	398.65	388.36	427.37	417.23	380.28	421.78	4708.688304
	Net GEC	9863.468858	9886.980606	9455.871964	8740.604325	8271.002944	8390.343968	9798.461450	9278.375259	9335.564640	8938.503604	8722.093310	9288.039475	109969.310401
2	RPS Obligation (9% of GEC)	887.7121972	889.8282545	851.0284767	786.6543892	744.3902650	755.1309571	881.8615305	835.0537733	840.2008176	804.4653243	784.9883979	835.9235527	9897.2379361

FORM III - RENEWABLE ENERGY PROCUREMENT (YEAR 2014-15) (A- Solar)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

		Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
1	Own generation													
								Quantum (MUs)						
	Sub Total (1)	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Purchase from Other RE Sources/Lincesse													
		24.042047	24.419645	20.460063	12.754369	16.204532	18.147679	21.529395	20.301826	23.633539	29.595620	26.144968	26.185493	263.419176
	% State Grid Loss	4.47%	4.39%	4.57%	3.63%	3.85%	3.81%	4.06%	4.03%	3.63%	3.81%	4.12%	3.34%	
	Sub Total (2)	25.117437	25.491736	21.395963	13.217053	16.828087	18.839305	22.402664	21.119946	24.492501	30.724650	27.221632	27.061311	273.912284
3	Purchase through REC													0
4	RE sold to other person													0
														0
	Sub Total (4)													0
	Total Procurement (1+2+3-4)	25.117437	25.491736	21.395963	13.217053	16.828087	18.839305	22.402664	21.119946	24.492501	30.724650	27.221632	27.061311	273.912284

FORM III - RENEWABLE ENERGY PROCUREMENT (YEAR 2014-15) (B- Mini/ Micro Hydro)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

		Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
2	Purchase from Other RE Sources/Lincesse including Own generation													
	Mini/ Micro Hydro	0.043544	0.021988	0.029076	0.049436	0.065847	0.068812	0.038908	0.061744	0.080311	0.138872	0.101231	0.126812	0.826581
	% State Grid Loss	4.47%	4.39%	4.57%	3.63%	3.85%	3.81%	4.06%	4.03%	3.63%	3.81%	4.12%	3.34%	
	Sub Total	0.045492	0.022953	0.030406	0.051229	0.068381	0.071434	0.040486	0.064232	0.083230	0.144170	0.105400	0.131053	0.858467
3	Purchase through REC													
4	RE sold to other person													
	Total Procurement (1+2+3-4)	0.045492	0.022953	0.030406	0.051229	0.068381	0.071434	0.040486	0.064232	0.083230	0.144170	0.105400	0.131053	0.858467

FORM III - RENEWABLE ENERGY PROCUREMENT (YEAR 2014-15) (C- Non Solar other than Solar)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

		Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
2	Purchase from Other RE Sources/Lincesse including Own generation													
	Wind	266.893025	361.186050	653.782475	885.930743	552.162325	588.633571	356.687741	36.218564	239.606645	147.503586	161.421139	205.921162	4455.947026
	Co-gen (Bagasse + Biomass)	302.400893	153.486965	64.830666	25.679436	20.182249	23.672071	29.811367	260.378090	534.112209	650.871794	563.906190	546.219772	3175.552
	SHP	71.832582	44.641053	19.471719	20.030519	55.570167	72.216280	31.367997	65.409266	66.492920	70.426843	60.952780	63.444633	641.857
	MSW	0.022500	0.000000	0.101475	0.031275	0.000000	0.033300	0.038925	0.033975	0.032175	0.038250	0.042975	0.063225	0.438075
	Total NCE at MSETCL peripheiry	641.149000	559.314068	738.186335	931.671973	627.914741	684.555222	417.906030	362.039895	840.243950	868.840473	786.323084	815.648792	8273.793561
	% State Grid Loss	4.47%	4.39%	4.57%	3.63%	3.85%	3.81%	4.06%	4.03%	3.63%	3.81%	4.12%	3.34%	
	Total NCE (Loss adjusted)	669.827310	583.869531	771.953013	965.469817	652.077064	710.644302	434.857013	376.629324	870.782641	901.985466	818.704288	842.929533	8599.729303
3	Purchase through REC	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	100.000000	100.00
4	RE sold to other person													
														0.00
	Total Procurement (1+2+3-4)	669.827310	583.869531	771.953013	965.469817	652.077064	710.644302	434.857013	376.629324	870.782641	901.985466	818.704288	942.929533	8699.7293

Note: The Generation figures for RE sources taken as per IBSM sheet

Summary Sheet

	Particulars	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Total
		Quantum (MUs)												
1	Total GEC For The Month from FORM II	9863.468858	9886.980606	9455.871964	8740.604325	8271.002944	8390.343968	9798.461450	9278.375259	9335.564640	8938.503604	8722.093310	9288.039475	109969.310401
	SOLAR													
	Obligation - 0.5 %	49.317344	49.434903	47.279360	43.703022	41.355015	41.951720	48.992307	46.391876	46.677823	44.692518	43.610467	46.440197	549.846552
	Procurement - FORM III (A)	25.117437	25.49173621	21.39596271	13.21705349	16.82808663	18.83930506	22.40266409	21.11994593	24.49250068	30.72464963	27.22163173	27.0613107	273.9122839
	Shortfall	24.199907	23.943167	25.883397	30.485968	24.526928	23.112415	26.589643	25.271930	22.185323	13.967868	16.388835	19.378887	275.934268
2	Obligation Achieved %	0.254651152	0.257831356	0.226271705	0.151214413	0.20345884	0.224535551	0.228634508	0.227625477	0.262356929	0.343733705	0.312099754	0.291356543	0.24908066
	Mini Micro Hydro													
	Obligation - 0.2 % of Non-Solar Obligation	1.676789706	1.680786703	1.607498234	1.485902735	1.406070501	1.426358475	1.665738446	1.577323794	1.587045989	1.519545613	1.482755863	1.578966711	18.69478277
	Procurement - FORM III (A)	0.045491704	0.022953335	0.030406016	0.051229367	0.06838081	0.071434494	0.040486175	0.06423215	0.083229906	0.144169764	0.105399747	0.13105344	0.858466908
	Shortfall	1.631298002	1.657833368	1.577092217	1.434673368	1.337689691	1.354923981	1.625252271	1.513091644	1.503816083	1.375375849	1.377356116	1.447913271	17.83631586
3	Obligation Achieved %	0.005436921	0.002736734	0.003790605	0.006909205	0.009746004	0.010036418	0.00487079	0.008160769	0.010509676	0.019013405	0.014245227	0.016633165	0.009202431
	Non Solar excluding Mini/ Micro Hydro													
	Obligation - 8.483%	836.7180632	838.7125648	802.1416187	741.4654648	701.6291798	711.7528788	831.2034848	787.0845732	791.9359484	758.2532607	739.8951755	787.9043887	9328.696601
	Procurement - FORM III (B+C)	669.827310	583.869531	771.953013	965.469817	652.077064	710.644302	434.857013	376.629324	870.782641	901.985466	818.704288	942.929533	8699.7293
	Shortfall	166.890753	254.843034	30.18860521	-224.0043518	49.5521157	1.108577234	396.3464718	410.4552491	-78.8466926	-143.7322056	-78.8091129	-155.0251445	628.9672986
4	Obligation Achieved %	6.790991282	5.905438213	8.163742238	11.04580165	7.883893507	8.469787464	4.438013205	4.059216335	9.327584078	10.09101194	9.386557324	10.15208361	7.911051975
	Non Solar including Mini/ Micro Hydro													
	Obligation - 8.5 %	838.3948529	840.3933515	803.7491169	742.9513676	703.0352503	713.1792373	832.8692232	788.661897	793.5229944	759.7728063	741.3779313	789.4833554	9347.391384
	Procurement - FORM III (B+C)	669.872802	583.892484	771.983419	965.521046	652.145445	710.715736	434.897499	376.693556	870.865871	902.129636	818.809688	943.060587	8700.587770
	Shortfall	168.522051	256.500867	31.765697	-222.569678	50.889805	2.463501	397.971724	411.968341	-77.342876	-142.356830	-77.431757	-153.577231	646.803614
5	Obligation Achieved %	6.791452	5.905670	8.164064	11.046388	7.884720	8.470639	4.438426	4.059909	9.328476	10.092625	9.387766	10.153495	7.911833
	Total RE													
	Obligation - 9 %	887.7121972	889.8282545	851.0284767	786.6543892	744.390265	755.1309571	881.8615305	835.0537733	840.2008176	804.4653243	784.9883979	835.9235527	9897.237936
	Procurement - FORM III (A+B+C)	694.990239	609.384220	793.379382	978.738099	668.973531	729.555041	457.300163	397.813502	895.358372	932.854286	846.031320	970.121897	8974.500054
	Shortfall	192.721958	280.444034	57.649095	-192.083710	75.416733	25.575916	424.561367	437.240271	-55.157554	-128.388961	-61.042922	-134.198345	922.737883
6	Obligation Achieved %	7.046104	6.163502	8.390335	11.197602	8.088179	8.695174	4.667061	4.287534	9.590833	10.436359	9.699866	10.444851	8.160913

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Procurement of Wind Power and OA units

7487

NON - CONVENTIONAL ENERGY SOURCES (Power Group)

MONTHWISE UNIT GENERATED FOR WIND BASED POWER PROJECT 2014-2015 FOR MAHARASHTRA

Sr. no	Name of the Circle	Inst. Capa. city	Apr. 2014	May. 2014	Jun. 2014	July. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014	Jan. 2015	Feb. 2015	Mar. 2015	Cumu-lative 2014-15
		MW	Unit Generated in Mus for the period of April 2014 to Mar.2015												Mus
1:	**Satara Circle**														
	a) Self use		1.446	2.653	8.205	16.993	16.778	20.348	9.993	0.682	5.785	3.469	3.702	5.273	95.328
	b) Sale to MSEDCL		94.763	57.722	169.532	269.194	199.716	234.863	223.357	-63.816	69.613	43.525	41.868	51.841	1392.178
	c) Third party sale		2.315	5.167	20.569	32.636	22.445	27.763	16.822	4.179	11.289	5.520	6.097	8.846	163.647
	d) Sale to BEST		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	e) Sale to RINFRA/others		14.341	17.695	52.035	69.788	40.442	36.418	34.640	-8.623	14.188	8.037	10.677	14.398	304.035
	Sub total		112.865	83.237	250.341	388.611	279.381	319.392	284.812	-67.578	100.875	60.551	62.343	80.358	1955.188
2:	**Sangali Circle**														
	a) Self use		0.000	0.360	1.260	4.360	1.610	1.430	1.520	1.080	1.400	0.990	1.180	1.120	16.310
	b) Sale to MSEDCL		56.400	88.526	178.707	258.151	141.596	185.701	52.330	53.080	58.050	46.940	55.430	64.700	1239.611
	c) Third party sale		0.000	0.000	4.760	8.550	4.420	3.310	3.500	2.170	2.610	2.690	2.990	3.540	38.540
	d) Sale to other licensee		0.210	0.280	0.720	0.960	0.590	0.450	0.170	0.150	0.100	0.090	0.160	0.170	4.050
	e) Sale to BEST		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	d) Sale to Utility		4.270	6.320	13.790	17.140	10.330	8.610	2.780	2.610	2.500	2.560	3.050	4.020	77.980
	Sub total		60.880	95.486	199.237	289.161	158.546	199.501	60.300	59.090	64.660	53.270	62.810	73.550	1376.491
3:	**A'nagar Circle**														
	a) Self use		0.141	0.267	0.527	1.173	0.838	0.903	0.491	0.046	0.692	0.389	0.618	0.820	6.903
	b) Sale to MSEDCL		5.901	7.340	18.626	23.865	15.783	12.998	6.298	4.522	8.747	5.795	7.669	9.571	127.114
	c) Third party sale		0.051	0.074	4.132	5.666	3.877	3.366	1.755	1.215	1.759	1.497	1.686	2.453	27.531
	d) Tata Power		5.473	8.840	3.906	24.144	14.864	13.165	4.003	4.624	7.370	4.856	6.460	8.436	106.141
	e) Sale to BEST		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Sale to RINFRA		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Sub total		11.565	16.521	27.191	54.847	35.362	30.432	12.547	10.407	18.567	12.536	16.433	21.280	267.688
4:	**Dhule Circle**														
	a) Self use		4.088	8.686	11.515	10.339	6.440	4.505	0.689	0.488	0.818	0.686	1.652	2.152	52.059
	b) Sale to MSEDCL		44.277	99.087	143.287	137.130	86.050	62.487	9.340	8.787	20.098	15.465	21.006	27.629	674.643
	c) Third party sale		0.060	0.128	0.162	0.171	0.132	0.091	0.014	0.016	0.038	0.025	0.033	0.020	0.889
	d) Tata Power		0.771	1.662	2.501	3.101	2.315	1.705	0.369	0.548	1.268	0.968	0.787	0.950	16.944
	Sub total		49.195	109.562	157.466	150.742	94.937	68.788	10.412	9.839	22.221	17.144	23.478	30.750	744.535
5:	**Amravati Circle Motha (2 MW)**														
	a) Self use		0.002	0.001	0.001	0.002	0.001	0.002	0.003	0.003	0.003	0.003	0.002		0.022
	b) Sale to MSEDCL		0.051	0.212	0.291	0.274	0.213	0.269	0.099	0.039	0.083	0.096	0.112	0.106	1.845
	c) Third party sale		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
	Sub total		0.053	0.213	0.292	0.276	0.214	0.270	0.102	0.042	0.086	0.098	0.113	0.106	1.866
6:	**Kudal Circle, Vijaydurg (1.5 MW)**														
	a) Self use		0.005	0.005	0.001	0.002	0.002	0.004	0.005	0.003	0.003	0.003	0.004	0.005	0.043
	b) Sale to MSEDCL		0.048	0.053	0.099	0.217	0.191	0.094	0.022	0.037	0.055	0.053	0.044	0.420	1.352
	c) Third party sale		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Sub total		0.053	0.058	0.100	0.219	0.193	0.098	0.027	0.040	0.068	0.065	0.047	0.425	1.394
7:	**Nasik Rural Circle**														
	a) Self use		1.440	2.980	4.480	5.000	3.110	2.250	1.340	1.010	1.280	0.540	0.780	1.090	25.300
	b) Sale to MSEDCL		11.530	24.670	40.750	44.810	25.530	18.790	11.820	9.320	12.710	5.870	7.430	10.630	223.860
	c) Third party sale		0.350	0.550	1.610	1.480	1.080	0.190	0.550	0.510	0.640	0.320	0.350	0.440	8.070
	Sub total		13.320	28.200	46.840	51.290	29.720	21.230	13.710	10.840	14.630	6.730	8.560	12.160	257.230
8:	**Beed Circle**														
	a) Self use		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000
	b) Sale to MSEDCL		0.807	1.087	1.980	46.747	24.080	9.027	0.920	7.375	47.498	9.615	7.354	12.954	169.444
	c) Third party sale		0.071	0.071	0.168	0.219	0.132	0.092	0.075	0.064		0.177	0.054	0.071	1.193
	Sub total		0.878	1.158	2.148	46.965	24.212	9.118	0.996	7.438	47.498	9.792	7.408	13.025	170.637
9	**[illegible]ndurbar Circle**														
	a) Self use		3.614	6.027	6.011	3.479	1.307	3.520	0.283	0.324	1.027	0.823	1.151	1.406	28.971
	b) Sale to MSEDCL		39.637	72.063	84.931	75.310	15.922	40.915	3.908	3.565	9.482	7.835	12.264	16.407	382.241
	c) Third party sale		4.607	7.837	8.136	5.684	1.732	5.080	0.462	0.524	1.415	1.157	1.560	1.662	39.855
	Sub total		47.859	85.927	99.078	84.473	18.961	49.514	4.653	4.413	11.923	9.815	14.974	19.475	451.067
10:	**Pune Rural Circle**														
	a) Self use		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	b) Sale to MSEDCL		10.616	9.777	14.411	28.737	43.081	22.555	28.718	11.875	12.208	10.773	6.457	10.420	209.629
	c) Third party sale		0.000	0.000	0.000	0.963	5.582	3.720	5.033	4.174	3.175	1.552	2.212	1.135	27.545
	Sub total		10.616	9.777	14.411	29.700	48.664	26.275	33.750	16.049	15.383	12.326	8.669	11.554	237.174
11:	**Kolhapur Circle**														
	a) Self use		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	b) Sale to MSEDCL		2.863	0.650	1.169	1.496	0.000	0.935	19.876	1.434	1.052	1.526	1.788	1.243	34.032
	c) Third party sale		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Sub total		2.863	0.650	1.169	1.496	0.000	0.935	19.876	1.434	1.052	1.526	1.788	1.243	34.032
	Grand Total Mus		310.147	430.790	798.272	1097.781	690.190	725.554	441.186	52.015	296.964	183.854	206.623	263.927	5497.302
	Sale to MSEDCL MUS		266.893	361.186	653.782	885.931	552.162	588.634	356.688	36.219	239.607	147.504	161.421	205.921	4455.947

NOTE:-

1) Units Of WTG's in respect of sangli circle not considered as it has not received EPA.
2) M/S Shiny Green Energy pvt.ltd. Wind Generation at kolhapur Started from July -13 So MUS & Amt.for the period July -13 To Apr -14 are consider in the month of Apr-14.

Self Use		10.735	20.980	32.000	41.348	30.087	32.962	14.325	3.636	11.007	6.901	9.087	11.866	224.935
Third Party Sale		7.454	13.827	39.538	55.369	39.399	43.611	28.211	12.851	20.925	12.939	14.981	18.167	307.271
SU + TPS		18.189	34.806	71.538	96.717	69.487	76.573	42.535	16.487	31.932	19.841	24.067	30.033	532.205
Sale to other utilities		20.795	28.478	59.162	97.993	58.211	51.738	39.183	-3.301	22.926	13.950	18.084	23.953	431.170
Sale to MSEDCL		266.893	361.186	653.782	885.931	552.162	588.634	356.688	36.219	239.607	147.504	161.421	205.921	4455.947

74514

NDIA

Small Hydro (SHP) OA units

Unit Generated by Small Hydro Projects (Open Access)

M/s.Vindhyachal Hydro Power Ltd.

Year 2014-15 Units for Credit
Kalyan

Sr. No.	Month	Units for Credit
1	Apr-14	1577464.21
2	May-14	1683215.57
3	Jun-14	1654027.28
4	Jul-14	1033581.82
5	Aug-14	496463.41
6	Sep-14	1270151.12
7	Oct-14	1521166.32
8	Nov-14	1529858.85
9	Dec-14	1610000.22
10	Jan-15	1586372.73
11	Feb-15	1459261.30
12	Mar-15	1602880.78
	Total	17024443.61

M/s.Vindhyachal Hydro Power Ltd.

Year 2014-15 Units for Credit
Pune-R

Sr. No.	Month	Units for Credit
1	Apr-14	994258.00
2	May-14	198368.78
3	Jun-14	0.00
4	Jul-14	0.00
5	Aug-14	2223476.33
6	Sep-14	1553770.66
7	Oct-14	51316.30992
8	Nov-14	1234752.351
9	Dec-14	995819.5795
10	Jan-15	1113762.428
11	Feb-15	462191.4077
12	Mar-15	522276.9408
	Total	9349992.78

M/s Celerity Power

Year 2014-15 Units for Credit
Baramati

Sr. No.	Month	Units for Credit
1	Apr-14	3444720.48
2	May-14	1580860.86
3	Jun-14	0.00
4	Jul-14	0.00
5	Aug-14	3498241.40
6	Sep-14	2685093.58
7	Oct-14	1671291.80
8	Nov-14	4161358.74
9	Dec-14	4174903.53
10	Jan-15	3661837.95
11	Feb-15	1439492.55
12	Mar-15	1848728.70
	Total	28166529.59

M/S.Tatyasahenb Kore Warana Sah. Nav. Nirm. Sanstha. Ltd.

Year 2014-15 Units for Credit
Kolhapur

Sr. No.	Month	Units for Credit
1	Apr-14	816525.95
2	May-14	434292.9
3	Jun-14	112164.43
4	Jul-14	143632.13
5	Aug-14	1402730.08
6	Sep-14	1263148.67
7	Oct-14	101207.16
8	Nov-14	4447.8
9	Dec-14	401247.49
10	Jan-15	898987.74
11	Feb-15	846174.4
12	Mar-15	949838.88
	Total	7374397.63

M/S. R.M.Mohite Industries Ltd.

Year 2014-15 Units for Credit
Kolhapur

Sr. No.	Month	Units for Credit
1	Apr-14	2001611
2	May-14	1576708
3	Jun-14	192642
4	Jul-14	1975677
5	Aug-14	5843249
6	Sep-14	3479251
7	Oct-14	211525
8	Nov-14	934422
9	Dec-14	1081114
10	Jan-15	478681
11	Feb-15	435430
12	Mar-15	1385085
	Total	19595395.00

M/S.Tatyasahenb Kore Warana Sah. Nav. Nirm. Sanstha. Ltd.

Year 2014-15 Units for Credit
Kolhapur

Sr. No.	Month	Units for Credit	Total Units for Credit	Total Units for Credit in Mus
1	Apr-14	816525.95	9651105.59	9.651105585
2	May-14	434292.9	5907739.01	5.907739011
3	Jun-14	112164.43	2070998.14	2.07099814
4	Jul-14	143632.13	3296523.08	3.29652308
5	Aug-14	1402730.08	14866890.30	14.8668903
6	Sep-14	1263148.67	11514563.70	11.5145637
7	Oct-14	101207.16	3657713.75	3.65771375
8	Nov-14	4447.8	7869287.54	7.869287541
9	Dec-14	401247.49	8664332.31	8.66433231
10	Jan-15	898987.74	8638629.59	8.638629588
11	Feb-15	846174.4	5488724.06	5.488724058
12	Mar-15	949838.88	7258649.18	7.258649181
	Total	7374397.63	88885156.24	88.88515624

Details for Small Hydro Projects FY 2014-15 (MSPGCL)															
Sr. No.	Months	Units	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	March	Total
1	Dodson-I	MUs	3.82	2.0232	0	0.0864	7.7208	5.6808	0	0.5952	4.0584	0.1116	3.4296	6.612	34.138
2	MSPGCL Small Hydro Projects	MUs	56.86	34.21	15.56	8.74	24.17	43.14	23.76	52.88	45.58	54.37	46.69	45.17	451.15

SR. NO.	NAME OF THE H.P.S.	CAPACITY MW	April Mus	May Mus	June Mus	July Mus	August Mus	Sept Mus	Oct Mus	Nov Mus	Dec Mus	Jan Mus	Feb Mus	March Mus	Total Mus
1	VEER BHATGHAR DIVISION														
1.1	VEER	2 X 4.5													
1.2	BHATGHAR	1 X 16	8.00251	1.619	0.346	-0.00901	-0.0051	5.2452	-0.0154	4.80824	3.925	5.9034	4.1793	4.82192	38.82098
1.3	KANHER	1 X 4	0.3129	0.4288	-0.003	0.1218	1.6491	1.3618	0.0878	1.2918	0.6757	1.5038	1.1381	0.3253	8.8937775
1.4	DHOM	2 X 1	0.586667	0.2504	-0.004	-0.00321	0.615	0.4232	0.0044	1.30932	0.9622	1.1534	0.980598	0.44722247	6.7253718
1.5	UJJANI	1 X 12	2.8089	-0.015	-0.015	-0.01497	0.4168	4.3055	0.7128	2.31726	-0.018	2.616	0.482536	1.77759764	15.3739712
1.6	WARANA	2 X 8	5.39969	4.3782	0.6211	2.57691	7.3016	6.6897	-0.0136	0.40734	4.6	4.8196	3.48071	2.8552908	43.116484
2	PANSHET DIVISION														
2.1	PANSHET	1 X 8	4.38933	3.2172	-0.01	-0.01001	2.3119	2.6935	1.9352	5.44861	0.3643	5.1865	1.54906	3.73261	30.80859
2.2	VARASGAON	1 X 8	4.30417	1.217	-0.006	-0.0073	-0.0079	3.085	2.0786	5.74201	1.8651	5.9568	2.54755	5.27959	32.05494
2.3	PAWANA	1 X 10	1.370182	1.2505	1.0434	0.354622	1.3465	3.1176	1.4394	1.44373	1.5603	1.523	1.391662	1.347784	17.188676
2.4	MANIKDOH	1 X 6	2.389338	0.2175	-0.006	-0.00753	-0.0099	-0.01	-0.0104	2.77192	0.0536	0.2555	2.622178	0.506398	8.771814
2.5	DIMBHE	1 X 5	2.432309	0.5438	-0.002	-0.00273	2.5722	2.6266	1.1322	3.62289	3.3697	0.7505	3.199952	0.551606	20.797072
3	TILLARI DIVISION														
3.1	DUDHGANGA	2 X 12	5.668444	5.4511	1.6526	1.175112	2.3705	5.1129	0.0913	3.32748	5.5071	6.6506	8.098045	6.170337	51.275508
3.2	RADHANAGAR	4 X 1.2	-0.00076	0.0176	0.2802	0.374916	1.1408	0.7647	-0.0009	-0.0009	-0.001	-0.001	-0.00093	-0.001029	2.571317
4	YELDARI DIVISION														
4.1	YELDARI	3 X 7.5	6.25193	2.952	1.9681	-0.00677	-0.0074	-0.007	2.1807	6.64005	6.6555	2.956	3.188535	3.813196	36.584705
4.2	PAITHAN	1 X 12	0.42873	1.7876	1.5801	1.687357	1.8803	2.0476	2.0926	2.21159	1.7047	2.0352	0.9701	-0.004612	18.421338
5	VAITARANA DIVISION														
5.1	ITARNA DAM T	1 X 1.5	1.066643	0.926	0.4033	-0.00211	0.3764	0.3731	0.5559	0.9379	0.4934	-0.001	0.121614	1.0213705	6.272293
5.2	BHATSA	1 X 15	9.304981	8.4833	7.1708	2.249774	-0.0149	1.9849	10.868	10.2407	11.627	10.421	9.362014	9.490302	91.187831
5.3	SURYA	1 X 6	2.146337	1.4854	0.5407	0.26719	2.2388	3.3281	0.6232	0.35594	2.2388	2.6406	3.379647	3.039338	22.283947
		Total	56.8623	34.21	15.56	8.744065	24.175	43.142	23.762	52.8759	45.583	54.369	46.69067	45.1742214	451.148615

2435

Conventional OA Units

CONVENTIONAL OA UNITS FOR THE FY 14-15

Sr.No	CIRCLE	CONSUMER NO	NAME OF CONSUMER	April-14	May-14	June-14	July-14	August-14	September-14	October-14	November-14	December-14	January-15	February-15	March-15	Total
1	A'BAD	490539042670	M/S. STERLITE TECHNOLOGIES LTD.,	881605	988510	882130	852014	890472	955873	976361	896379	988035	1057679	994557	1104778	11468393
2	A'BAD	493149040240	M/S R.L.STEEL PVT.LTD.(ROLLING DIVISION)		6139299	1052397	4301730	4573520	4285108	4389403	3966517	4126436	4188489	3915026	3858632	44796557
3	A'BAD (U)	490019007470	M/S STERLITE OPTICAL TECHNOLOGIES LIMITED	8308237	8039771	7461478	8939379	9098635	8767954	7596187	7347090	7408898	7706439	7018823	7330441	95023332
4	A'BAD (U)	490019040480	M/S ENDURENCE TECHNOLOGIES PVT LTD					621099	576266	611363	612253	574318	637370	756980	710956	5100605
5	A'BAD (U)	490019041270	M/S VORROC ENGINNERING PVT.LTD.										252744	246406	268355	767505
6	A'BAD (U)	490019041660	M/S ENDURANCE TECHNOLOGIES LTD.	634896	619931	619459	644400	621034	608728	807231	922771	910956	851569	829084	667365	8737424
7	BARAMATI	173279005475	M/S CIPLA LTD.	442854	473324	505275	533493	636004	649241	595833	660643	675566	683936	612391	685098	7153658
8	BARAMATI	173619032920	M/S. CIPLA LTD.											489616	529727	1019343
9	BARAMATI	184029020861	M/S ALICON CAST ALLOY LTD.			829859	1080656	1025465	1061535	1002482	1075254	1124349	1045788	994540	747553	9987481
10	BARAMATI	184059021013	M/S CLASSIC AUTO TUBES LTD.		1076115	1074080	1112936	1054372	1078114	932518	1077722	934655	901083	857296	920390	11999723
11	BARAMATI	184059032630	M/S. PEPSICO INDIA HOLDINGS PVT.LTD			715809	733171	690433	693486	614409	702526	738710	716948	668794	575911	6850197
12	BARAMATI	184059034740	M/S VARROC POLYMERS PVT LTD(PLANT-III)	498111	511090	519713	510532	529170	514000	563102	593135	499253	496362	532121	552724	6319313
13	BARAMATI	184819020021	M/S ESSAR STEEL LTD.	1571019	0	1315592	1262140	3797037	1059281	507822	1990340	5165580	4769913	3635136	3711374	28785234
14	BARAMATI	186849005495	M/S PIAGGIO VEHICLES PVT. LTD								213842		1308321	1236982	880121	3639266
15	BARAMATI	186849005967	M/S SCHREIBER DYNAMIX DAIRIES LTD	2155032	2226864	2124762	2169028	2211285	2159304	2146568	2159690	2231420	2230653	2015577	2593830	26424013
16	BULDHANA	293599084700	M/S RASOYA PROTEINS LTD.	215838	293660	125521	0	2880	0	121167	48063	0	0			807129
17	DHULE	900039009850	JAWAHAR SHETKARI SAHKARI SOOT GIRNI LIMITED UNIT C												1082877	1082877
18	GANESHKHIND	170149001550	M/S SKF BEARING INDIA LIMITED	1984843	2043817	2027971	2123346	2007893	2000032	1698158	2039510	2042365	2048624	1911557	2105500	24033616
19	GANESHKHIND	170149001673	M/S MAHINDRA HINODAY INDUSTRIES LTD.									907112	1471402	1330610	1442604	5151728
20	GANESHKHIND	170149001771	M/S PUDUMJI PULP AND PAPER MILLS LTD										2471686	2350850	2371920	7194456
21	GANESHKHIND	170149001975	M/S ATLAS CASTALLOY LTD.											874689	963180	1837869
22	GANESHKHIND	170149001991	M/S EXIDE INDUSTRIES L.T.D. CHINCHWAD						237299	769549	925214	907717	930751	818189	837214	5425933
23	GANESHKHIND	170149002661	M/S GARWARE WALL ROPES											598951	672596	1271547
24	JALGAON	110019001150	M/S ORIENT CEMENT	2029399	2127210	2048925	2148583	2064361	1775781	2086333	2126365	2001496	2159593	1959114	2009443	24536603
25	JALGAON	125019004330	M/S SUPREME INDUSTRIES LTD, UNIT NO - 3									1860150	3017886	2835932	3042883	10756851
26	JALGAON	137589002241	M/S FOUNDATION BRAKE MANUFACTURING LTD.								630671	586508	606097	559634	628785	3011695
27	JALGAON	138409001220	M/S JAIN IRRIGATION SYSTEM		2053032	2061036	2123434	1940217	1978690	1758566	2064864	2129082	2106284	1932908	2066117	22214230
28	JALGAON	138409002376	M/S JAIN IRRIGATION SYSTEM LTD		4266856	3979558	4116578	3049454	3415063	3283959	3227019	3557047	4281196	3867494	4125694	41169918
29	KALYAN-II	015519010981	M/S JSW STEEL LTD	6524241	6476017	6128628	6315936	6480267	6212376	5505466	6236892	6152025	6126923	874204	3215784	66248759
30	KALYAN-II	018019053600	M/S. PRAXAIR INDIA PVT. LTD.								2816700	3513922	2495728	2518702	2803073	14148125
31	KALYAN-II	021529050390	M/S U.P.TWIGA FIBERGLASS LTD.						679887	635139	567676	798593	651094	879611	591442	4803442
32	KALYAN-II	021529054060	M/S. GODREJ INDUSTRIES LTD.					646514	716002	742463	719072	743424	739428	670258	743381	5720542
33	KOLHAPUR	251019402391	M/S ARVIND COTSPIN LTD							2343840	2473830	2592298	2562600	2345266	2579340	14897174
34	NAGPUR (R)	430019002670	M/S ISPAT INDUSTRIES LTD AT KALMESHWAR	6843279	7847495	8101031	9096761	7934134	7784199	7142812	7856840	7640219	8183157	1363633	4374541	84168101
35	NAGPUR (R)	430019003366	M/S HINDALCO INDUSTRIES LTD	1681525	1733492	2020351	2084244	1276307	2024560	1996036	2022782	1811257	1711820	1824023	2174419	22360816
36	NAGPUR (R)	430019004290	M/S MANGRUL MILLS LTD AT GONDKHAIRY	1711542	1740968	1763954	1829327								1141532	8187323
37	NASIK	050499005382	M/S MAHINDRA AND MAHINDRA LTD			129776	496342	488956	655883	591778	594087	535182	589225	624078	673089	5378396
38	NASIK	075949006646	M/S JINDAL SAW LTD												2816489	2816489
39	NASIK	075949010261	M/S HINDUSTAN NATIONAL GLASS AND INDUSTRIES LTD	4322475	4376656	4659668	4816139	4832123	5037321	5187286	5032416	5198771	5192720	4848813	5347346	58851734
40	NASIK (U)	049069000664	M/S BOSCH LIMITED			1004056	1452792	1510270	1624578	2948182	3137137	3378022	3395876	3146975	3416534	25014422
41	NASIK (U)	049069000702	M/S MAHINDRA AND MAHINDRA LTD PPS DEPT		2341071	468022	1787607	1905466	2317617	2131583	2199543	2064569	2317287	2433218	2646519	22612502
42	NASIK (U)	049069002284	M/S CEAT LTD		2686175	2675417	2899862	2619166	2330027	2542104	2799685	2819969	2805724	2600331	2573743	29352203
43	NASIK (U)	049069003639	M/S EPCOS INDIA (P) LTD						217428	756013	893226	965579	887623	856526	954440	5530835
44	PEN	023449019431	M/S NITCO LTD.					299519	741048	772862	746804	887693	887590	1312747	1477456	7125719
45	PEN	030749025370	Adlabs Entertainment Limited											208339	667489	875828

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91	VASAI	003019029150	M/S VIRAJ PROFILES LIMITED		1[illegible]	420554	1293460	1352587	1351676	1174696	102[illegible]	960497	947663	812505	1042290	11672791
92	VASAI	003019031500	M/S VIRAJ PROFILE LIMITED		23[illegible]	756764	2090362	2332391	2149290	2093336	207[illegible]	2241820	2224996	2079139	2141957	22544802
93	VASAI	003019031660	M/S KISAN MOULDING LTD.			355725	713777	718793	702445	663881	699124	710662	674001	635819	708083	6582310
94	VASAI	003209023420	M/S VIRAJ PROFILES LTD		1532368	518263	1491499	1544056	1495295	1567907	1578818	1695277	1611733	1551628	1704610	16291454
95	WARDHA	510019001146	M/S GIMATEX INDUSTRIES PVT. LTD.								3515963	3706240	3578663	2090475	1655144	14546485
96	WARDHA	510019006730	M/S MAHALAXMI TMT PVT. LTD.		15077871	3561810	12715169	15693765	14538605	14886104	13278126	12661352	13718002	13201950	12886730	142219484
97	WASHI	000079012378	M/S BALMER LAWRIES-VAN-LEER LTD.											595774	715622	1311396
98	WASHI	000119036670	M/S GODFREY PHILLIPS INDIA LTD.										452815	574720	619731	1647266
99	WASHI	000199000535	SIEMENS INDIA LTD	786591	935966	900871	1024682	870569	981138	851441	947095	1003250	950910	858502	921486	11032501
100	WASHI	000489024380	M/S. SIFY TECHNOLOGIES LTD.	661206	740811	713819	774231	775913	749709	779924	748105	763528	755343	691388	753414	8907391
101	WASHI	028619003774	HINDALCO INDUSTRIES LTD	2264315	1157781	2179561	2736604	811587	0	0	1471029	1176823	1421995	3036570	3419685	19675950
102	WASHI	028619009276	TECHNOVA IMAGING SYSTEM PVT. LTD	1068445	1393506	1180501	1110514	1454941	1405304	1282587	1169821	858360	1211766	1174618	1286859	14597222
103	WASHI	028619019069	Asahi India Glass Ltd.	2158972	2216449	1240854	738304	713299	1074381	958601	1060296	1096878	1012854	1243850	1287883	14802621
104	WASHI	028619020181	EXIDE INDUSTRIES LTD. (SF DVN)				1048786	976196	964272	1065629	1024169	808573	1092915	984400	1100789	9065729
105	WASHI	028619021110	GALAXY SURFACTANCES LTD	718898	727332	716824	741558	670565	692045	606287	712343	743025	697925	667286	684480	8378568
106	WASHI	028619022612	OWENS CORNING (INDIA) LTD	5146412	5575485	5425444	5696208	5535647	5399930	5605632	5114696	5145917	5038506	4583904	5269510	63537291
107	WASHI	028619031580	REXAM HTW BEVERAGE CAN (INDIA) LTD.	232561	853481	856920	846774	865435	887003	824922	889829	946609	854384	743677	866005	9667600
108	WASHI	028619033260	TECHNOVA IMAGING SYSTEM PVT. LTD.	636798	725936	665549	701223	673275	681348	687881	687698	714749	961510	743277	900621	8779865
	Grand Total			205309672	320996572	2.63E+08	325022142	330034876	326972998	336915807	348963899	371787329	373418861	335687591	370840662	3909106434

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Procurement of Mini/Micro Hydro projects units

Unit Generated by Mini/Micro Hydro Projects In Mus during April 2014 to March 2015														
		Apr.	May.	Jun.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
Sr. No	Name of Projects	2014	2014	2014	2014	2014	2014	2014	2014	2014	2015	2015	2015	Total in Mus
1	Shahnoor, Amravati	0	0	0	0	0	0	0	0.00404	0.02085	0.09474	0.06839	0.07559	**0.263610**
2	Yeoteshwar, Satara	0.025944	0.007268	0.025396	0.035036	0.034327	0.041852	0.025788	0.030184	0.037621	0.032292	0.024841	0.038102	**0.358651**
3	Terwanmedhe	0.0176	0.01472	0.00368	0.0144	0.03152	0.02696	0.01312	0.02752	0.02184	0.01184	0.008	0.01312	**0.204320**
													Total	**0.826581**

Procurement of Small Hydro Projects units (MSPGCL)