



DD (Sh. Ugal)

20th December, 2016
CREG/MUM/MERC/2016/318

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

| | | |
|---------------------------|----------|----------|
| 4101 MERC | | |
| Inward No: 407 | Date | 21/12/16 |
| Chairman | Member | Member |
| Secretary ✓ | Dir (EE) | Dir (T) |

SA
22/12/16

Dear Sir,

Subject: Compliance to Renewable Purchase Obligation of Tata Power-D for FY 2015-16

Ref to your letter: MERC/RE CELL//RPO/2015-16/00916 dated 2nd November, 2016

This has reference to the above mentioned letter regarding Verification and Compliance of the Renewable Purchase Obligation (RPO) targets of Tata Power-D for FY 2015-16, as specified under MERC (Renewable Purchase Obligation, its compliance and Implementation of REC framework) Regulations, 2010, wherein responses have been sought to the various queries raised.

We have enclosed our point wise Response on the same as **Appendix** to this letter.

We trust this satisfies your requirement.

Yours Faithfully,

Bhaskar Sarkar
Head - Regulatory, Commercial & Regulations

TATA POWER

The Tata Power Company Limited

Backbay Receiving Station, Regulation Department 148 Lt Gen J Bhonsale Marg Nariman Point Mumbai - 400 021

Tel 91 22 6717 2903

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

CIN : L28920MH1919PLC000567 Website : www.tatapower Email : tatapower@tatapower.com

Verification and Compliance of Renewable Purchase Obligation targets of Tata Power -D for FY 2015-16

Our point wise response to the queries raised by the Hon'ble Commission regarding RPO Compliance is as follows:

- a) TPC-D should verify the RPO settlement details for FY 2015-16, as submitted by MEDA (copy attached as Annexure with this letter) and highlight discrepancies, if any , along with proper justification.

Response

We have verified the data submitted by MEDA regarding RPO for FY 2015-16 and brought out the discrepancies in a comparison table provided below:

Table 1: Discrepancy in the RPO data for FY 2015-16

| Particulars | | Requirement @ InSTS | Non-Solar Target | Mini / Micro Hydro target | Solar Target | Non-Solar Achieved | Mini / Micro Hydro Achieved | Total Non Solar achieved | Solar Achieved |
|------------------------|-------|---------------------|------------------|---------------------------|--------------|--------------------|-----------------------------|--------------------------|----------------|
| FY 2015-16 | | | | | | | | | |
| % obligation | | | 8.48% | 0.02% | 0.50% | | | | |
| Data submitted by MEDA | 1 | 5,999.13 | 508.91 | 1.02 | 30.00 | 509.19 | 4.47 | 513.66 | 74.15 |
| As per Tata Power-D | 2 | 6,020.80 | 510.74 | 1.02 | 30.10 | 510.74 | 2.92 | 513.66 | 74.15 |
| Discrepancy | 3=1-2 | -21.67 | -1.84 | 0.00 | -0.11 | -1.55 | 1.55 | 0.00 | 0.00 |

As seen from Table 1, there are minor discrepancies between the data submitted by MEDA and that of Tata Power-D. The discrepancies are explained further below:

- i) The difference in Energy Requirement of Tata Power-D at InSTS in FY 2015-16 as compared to MEDA is on account of the fact that
- Changeover Sales have been revised based on the monthly settlement of energy between Tata Power-D and RInfra-D
 - Transmission loss figures have been revised based on the revision from MSLDC.

Further, we wish to submit that the energy requirement will be finalized once the final FBSM bills will be issued by MSLDC.

Keeping this in mind, the revised provisional Energy Requirement of Tata Power-D at InSTS in FY 2015-16 is 6020.80 MUs.

- ii) The discrepancy in the RPO targets for Solar, Non-Solar and Mini/Micro Hydro is primarily arising out of discrepancy in the InSTS requirement of Tata Power-D as explained above.
 - iii) With respect to the Mini/Micro Hydro RPO achievement, due to the discrepancy in the InSTS requirement of Tata Power-D, the actual Mini/Micro Hydro RPO achieved is only 2.92 MUs against 4.47 Mus submitted earlier and presented by MEDA for the year FY 2015-16.
- b) *TPC-D should submit the status of its Solar, non-Solar RPO compliance including Mini-Micro Hydro RPO compliance, as per the directives of the Commission vide Orders in Case No. 182 of 2013, Case No. 192 of 2014 and Case No. 18 of 2016 along with detailed statement for project wise energy procurement in MUs from all RE generating projects and project wise contracted Solar, non-Solar RE power capacity in MW including Mini-Micro Hydro projects, capacity in MW during FY 2010-11 to FY 2014-15.*

Response

Solar RPO Compliance

The Hon'ble Commission, in its Order dated 20th December, 2013 in Case No 159 of 2013, had allowed Tata Power-D to meet its Solar Obligation on a cumulative basis upto FY 2015-16. The extract of the Order is as given below:

11. Thus, the Commission hereby relaxes/waives the Solar RPO targets as stipulated under Regulation 7.1 of the MERC (Renewable Purchase Obligation, its compliance and Implementation of REC Framework) Regulations, 2010 , for TPC-D for FY 2010-11, FY 2011-12 and FY 2012-13 and directs TPC-D to fulfil the Solar RPO target on a cumulative basis by FY 2015-16.

The cumulative shortfall is as provided below:

Table 2: Cumulative Solar RPO Shortfall from FY 2010-11 to FY 2015-16

| Particulars | | Mus | | | | | |
|---|---|------------|------------|------------|------------|------------|------------|
| | | FY 2010-11 | FY 2011-12 | FY 2012-13 | FY 2013-14 | FY 2014-15 | FY 2015-16 |
| Opening | a | 0 | 11.50 | 22.69 | 35.36 | 63.91 | 43.83 |
| Solar Target | b | 11.55 | 15.31 | 17.37 | 34.22 | 31.30 | 30.10 |
| Solar RPO met | c | 0.05 | 4.12 | 4.7 | 5.68 | 51.38 | 74.15 |
| Cumulative Shortfall/(Surplus) d=a+b-c | | 11.50 | 22.69 | 35.36 | 63.91 | 43.83 | -0.22 |

As can be seen from Table 2 above, Tata Power-D has met its cumulative Solar RPO target and is now having a surplus of 0.22 MUs. This has been achieved through Tata Power-D's existing contracts including the long term agreement with Tata Power Renewable Energy Ltd. (TPREL) for 25 MW solar power plant at Palaswadi which became operational in FY 2014-15.

The detailed project wise summary of energy procurement in MUs from all Solar Generating Stations including energy procurement through REC is as given below:

Table 3: Source wise Solar Generation from FY 2010-11 to FY 2015-16

| Resources | Contracted Capacity | FY 2010-11 | FY 2011-12 | FY 2012-13 | FY 2013-14 | FY 2014-15 | FY 2015-16 |
|-------------------------|---------------------|------------|------------|------------|------------|------------|------------|
| UoM | MW | MUs | MUs | MUs | MUs | MUs | MUs |
| Mulshi Solar | 3 MW | 0.05 | 4.03 | 4.33 | 4.05 | 4.12 | 4.34 |
| Solar Rooftop | 60 kWp | - | 0.09 | 0.07 | 0.06 | 0.07 | 0.07 |
| Palaswadi Solar | 25 MW | - | - | - | - | 38.16 | 47.63 |
| REC Certificate - Solar | - | - | - | 0.31 | 1.57 | 9.00 | 22.10 |
| Total | | 0.05 | 4.12 | 4.70 | 5.68 | 51.35 | 74.15 |

Non-Solar RPO Compliance

FY 2010-11 to FY 2013-14 & FY 2014-15

In case of Non Solar RPO obligation Tata Power-D had already met the cumulative shortfall in the year FY 2013-14 & standalone target for FY 2014-15. The same has been approved by the Hon'ble Commission through its Order in Case 192 of 2014 dated 27th April 2015 & in Case 18 of 2015 dated 31st August 2016. The extract of the two Orders are as given below:

Case 192 of 2014 dated 27th April 2015

The Commission notes that TPC has fulfilled its Non-Solar RPO targets, but not its Solar RPO and Mini/Micro Hydro Power (within the Non-Solar) RPO targets, for FY

2013-14. TPC has also fulfilled its Non-Solar RPO target by 2013-14, and exceeded its Non-Solar RPO target for FY 2013-14 by 8.56 MUs.

Case 18 of 2015 dated 31st August 2016

As will be seen from the above Table, TPC-D has fulfilled its stand-alone Solar and Non-Solar RPO targets for FY 2014-15, with a surplus of 20.08 MUs and 2.42 MUs respectively, but not the Mini /Micro Hydro Power target (within the Non- Solar RPO), with a stand-alone shortfall of 1.06 MUs. Including past years, at the end of FY 2014-15 TPC-D had a cumulative surplus of 12.18 MUs against its Non- Solar RPO targets, and a cumulative shortfall against its Solar and Mini /Micro Hydro targets of 43.83 MUs and 3.44 MUs, respectively.

FY 2015-16

In case of FY 2015-16 the detailed project wise summary of energy procurement in MUs from all Wind Generating Stations including energy procurement through REC is as given below:

Table 5: Project Wise Summary of Energy Procurement from Wind Generating Stations including energy procurement through RECs

| Resources | Contracted Capacity | FY 2010-11 | FY 2011-12 | FY 2012-13 | FY 2013-14 | FY 2014-15 | FY 2015-16 |
|---------------------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| UoM | MW | MUs | MUs | MUs | MUs | MUs | MUs |
| Supa | 17 | 22.96 | 19.63 | - | - | - | - |
| Nivede | 20.95 | - | - | 30.41 | 23.71 | - | - |
| Khandke | 50.4 | 96.43 | 108.41 | 110.32 | 113.94 | 97.16 | 98.74 |
| Bramhanvel | 11.25 | 16.03 | 17.09 | 18.98 | 18.07 | 16.94 | 17.96 |
| Sadawaghapur | 17.5 | 26.18 | 32.14 | 31.36 | 29.31 | 26.00 | 25.74 |
| Visapur 6 MW | 6 | - | 12.75 | 11.94 | 13.06 | 11.65 | 10.89 |
| Visapur 4 MW | 4 | 7.42 | 7.59 | 7.47 | 7.39 | 6.17 | 6.45 |
| Visapur (GSW) 24 MW | 24 | - | - | - | - | 8.65 | 30.11 |
| Visapur (GSW) 8 MW | 8 | - | - | - | - | 1.65 | 10.10 |
| Agaswadi | 49.5 | - | 29.33 | 112.28 | 113.88 | 100.64 | 98.57 |
| Bilateral | - | 50.14 | - | - | - | - | - |
| REC | - | - | 188.39 | 261.00 | 271.00 | 264.56 | 212.17 |
| Total | | 219.17 | 415.33 | 583.76 | 590.37 | 533.42 | 510.74 |

As seen from the above Tata Power-D has met the total requirement of Non Solar RE obligation for FY 2015-16 through procurement of RE power to the tune of 298.57 Mus & balance through 212.17 through REC purchase.

Mini/Micro Hydro RPO Compliance

The status of cumulative compliance of Mini / Micro Hydro Plant is as given in the table below:

Table 6: Status of Mini/Micro Hydro RPO Compliance till FY 2015-16

| Particulars | Mus | | | | | | |
|--------------------------------|------------|------------|------------|------------|------------|------------|-------|
| | FY 2010-11 | FY 2011-12 | FY 2012-13 | FY 2013-14 | FY 2014-15 | FY 2015-16 | |
| Opening | a | 0 | 0.27 | 0.68 | 1.22 | 2.38 | 3.45 |
| Mini-Micro Hydro RPO Target | b | 0.27 | 0.41 | 0.54 | 1.16 | 1.06 | 1.02 |
| Mini-Micro Hydro RPO met | c | 0 | 0 | 0 | 0 | 0 | 2.92 |
| Annual Shortfall/(Surplus) | d=b-c | 0.27 | 0.41 | 0.54 | 1.16 | 1.06 | -1.89 |
| Cumulative Shortfall/(Surplus) | e=a+b-c | 0.27 | 0.68 | 1.22 | 2.38 | 3.45 | 1.55 |

Cumulative shortfall from FY 2010-11 to FY 2014-15 & FY 2015-16

As seen from the above table the opening balance for cumulative shortfall upto FY 2014-15 was 3.45 Mus. In this regard, we wish to submit that, the Hon'ble Commission has in its Order 18 of 2016, dated 31st August 2016 allowed Tata Power-D to purchase Non-Solar RECs in the FY 2016-17 to meet any shortfall remaining for the period till FY 2014-15. Further, Tata Power-D has filed a Review Petition against MYT Tariff Order in Case 47 of 2016 dated 21st October 2016 in which the correction of energy balance for FY 2014-15 has been requested. In view of this Tata Power-D will meet the cumulative short fall in its Mini/Micro Hydro RPO compliance shortfall till FY 2014-15 through purchase on Non-Solar RECs during the year FY 2016-17. The extract of the Order 18 of 2016 is reproduced below:

The Commission had earlier allowed TPC-D, in Case No. 192 of 2014, to meet its cumulative Mini/Micro Hydro RPO shortfall upto FY 2013-14 by FY 2015-16. Neither this shortfall nor the stand-alone target were met in FY 2014-15 for the reasons cited in these proceedings. In the light of the above discussion and its powers of relaxation and removal of difficulties under Regulations 18 and 20 of the RPO Regulations, 2010, the Commission now allows TPC-D to purchase Non-Solar RECs in the current year (FY 2016-17) to meet any shortfall still remaining for the period upto FY 2014-15. The performance of TPC-D in respect of FY 2015-16, which is now over, is not before the Commission, and will be reviewed in the next verification proceedings.

Further, Tata Power -D has surplus REC 1.89 Mus after fulfilling its RPO obligation of 1.02 Mus towards FY 2015-16. This surplus will be utilized for meeting the cumulative shortfall of Mini Micro obligation on cumulative basis.

- c) TPC-D should submit detailed list of actions and efforts undertaken by it prior to and during FY 2015-16 to ensure compliance of its RPO targets in respect of Solar RPO, Non-solar RPO and Mini/Micro hydro RPO for FY 2015-16.
- d) TPC-D should submit the details for long term RE procurement plan for meeting the RPO targets for FY 2016-17.

Response

Solar RPO

With respect to Solar RPO, we wish to submit that, Tata Power-D has met the standalone target of FY 2015-16 of 30.10 MUs. With respect to the cumulative solar RPO compliance, we had a cumulative shortfall of 43.83 MUs approved by the Hon'ble Commission in its Order in Case No. 18 of 2016 dated 31st August 2016. This shortfall has been subsequently met in FY 2015-16 and Tata Power-D now has a cumulative surplus of 0.22 MUs.

With regards to long term RE procurement plan for meeting Solar RPO targets for FY 2016-17, we wish to submit that following the commissioning of the 25 MW solar plant of TPREL, Tata Power-D would have excess generation from its contracted capacities to meet the requirement for FY 2016-17. In view of this, Tata Power-D would be in a position to fulfill the solar RPO requirement for FY 2016-17 with the help of contracted capacities and solar RECs procured through Exchange.

The Hon'ble Commission is aware that the sales of Tata power-D is inclusive of sales from changeover consumer which is depend on tariff differential of another parallel licensee. Hence, additional tie up is depend upon the actual realization of sales post MYT Tariff Order Tata Power-D will tie up additional long term capacity to meet its Solar requirement considering the above aspect. Further, the generic tariff approved in the *Suo-Moto* RE tariff Order in Case 45 of 2016 by the Hon'ble Commission is Rs 6.04 per kWh for the year FY 2016-17 which is on the higher side in comparison with the current discovered prices in the market. Hence, Tata Power-D will tie up the future capacity when the approved tariff will match the current prices in the market or if it gets lower offer price than Rs 6.04 /- kWh.

Table 7: Long Term Power Purchase Agreements from Solar Renewable Sources

| Sources | Contracted Capacity (MW) |
|-----------------|--------------------------|
| Solar | |
| Mulshi | 3.00 |
| Carnac Roof Top | 0.06 |
| Palaswadi | 25.00 |
| Total | 28.06 |

Non Solar RPO

Tata Power-D has met the Non-Solar obligation for FY 2015-16. Further, Tata Power-D has sufficient contracted capacity already tied up to meet Non-Solar RPO for FY 2016-17 as shown in Table 8 below. Further, as explained earlier till the sales of Tata Power-D has not been stabilize any expected shortfall shall be met by procuring Non-Solar RECs on the Exchange.

Table 8: Long Term Power Purchase Agreements from Non-Solar Renewable Sources

| Sources | Contracted Capacity (MW) |
|---------------------|--------------------------|
| Khandke | 50.4 |
| Bramhanvel | 11.25 |
| Sadawaghapur | 17.5 |
| Visapur 6 MW | 6 |
| Visapur 4 MW | 4 |
| Visapur (GSW) 24 MW | 24 |
| Visapur (GSW) 8 MW | 8 |
| Agaswadi | 49.5 |
| Total | 170.65 |

Mini/Micro Hydro RPO

In line with the directives of the Hon'ble Commission, Tata Power-D has taken significant efforts to procure energy from Mini/Micro Hydro projects prior to and during the year FY 2015-16, which have been elaborated further below:

- a) Tata Power-D floated a tender on 25th November, 2014 (**Annexure I**) and published advertisements in newspapers (English & Marathi language) on 29th November, 2014 for procurement of Mini-Micro Hydro Power (**Annexure II**). However Tata Power-D did not receive a single response for these tender.
- b) Tata Power-D once again floated tender on 22nd June, 2015 (**Annexure III**) and published advertisements in newspapers (English & Marathi language) on 29th June, 2015 for procurement of Mini-Micro Hydro Power (**Annexure IV**). However, for this tender also, Tata Power-D did not receive a single response.
- c) Further, Tata Power-D approached Mini/Micro Hydro generator M/s. Water Resource Technologies Pvt. Limited (**Annexure V**). However, its plant is proposed to commission in the year FY 2016-17 and there has been no development in this regard.

- d) Subsequently, Tata Power-D has floated a tender on 24th November 2016 (**Annexure VI**) for procurement of Mini/Micro Hydro power for which it has received no responses so far.
- e) Meanwhile, Tata Power-Generation (Tata Power-G) is exploring the development of Mini/Micro Hydro projects at its Hydro Generating Plants. As and when these projects fructify, Tata Power-D proposes to tie up these capacities for meeting the Mini/Micro Hydro RPO.
- f) In spite of the above efforts, Tata power-D has been unable to achieve its obligation with respect to Mini/Micro Hydro RPO. In view of this based on the Hon'ble Commission Order Tata Power-D shall purchase Non-Solar RECs during FY 2016-17 in order to meet its cumulative shortfall if any till FY 2016-17 and thus meets its Mini/Micro Hydro RPO targets.



Annexure I

EOI No. PP- 04/ Tata Power/ 2014-15

Dated: 25.11.2014

**Expression of Interest for Procurement of Mini/ Micro Hydro
Renewable Power for the Year 2015**

The Tata Power Company Ltd. (Herein after referred as 'Tata Power') , a distribution licensee supplying electricity in the Mumbai City, intends to procure power from Mini/ Micro Hydro Renewable Energy Sources to meet their Renewable Purchase Obligation as per MERC regulation 2010 on Renewable Purchase Obligation, its compliance and implementation of REC framework dated 7th June, 2010.

Tata Power intends to procure up to 4.5 Million Units from Mini/ Micro Hydro renewable energy sources for meeting the Renewable Power Obligation, for the period 1st January 2015 to 31st December 2015. Offers are invited from Mini/ Micro Hydro RE developers or Traders or any utility or industry to supply power generated through Mini/ Micro Hydro Renewable Energy Sources, at a rate as approved by MERC order dated 7th July 2014, under case no-100 of 2014.

The offers with details as per Annexure "B" with acceptance of terms and conditions of Tata Power as given in Annexure "A" shall be submitted in a sealed envelope to the following address on or before 1400 hrs on 15.12.2014.

Head,
Power System Control Center,
The Tata Power Company Ltd
Trombay Thermal Power Station 'A'
Mahul Road, Chembur,
Mumbai - 400 0074.
Phone No: 022 - 67175377
Fax: 022 - 67175385

Aslekh
Head - PSCC

TATA POWER

The Tata Power Company Limited

Power System Control Center Trombay Thermal Power Station Mahul Road Chembur Mumbai 400 074

Tel 91 22 6668 7091 2554 3331 Fax 91 22 6717 5385

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



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Terms and conditions

- 1) Only Grid connected RE generation projects are eligible to meet RPS Obligation of distribution licensees. The responsibility of metering and certified meter reading shall be of supplier and would be as per relevant Regulation of the Commission as applicable.
- 2) As per MERC (Terms and Conditions for determination of RE Tariff) Regulations, 2010 dated June 7, 2010, 'Mini/Micro Hydro' means Hydro Power projects with a station capacity up to and including 1 MW. Hence offers from such eligible projects only will be accepted.
- 3) The rate offered shall be as per the Tariff approved in MERC order dated 7th July 2014, under case no-100 of 2014 determining the tariff for various RE sources. In case of revision in tariff by MERC same shall be applicable as per relevant MERC order.
- 4) Tata Power reserves the right to reject any or all the offers without assigning any reasons what so ever. It is also not binding on Tata Power to disclose any analysis report on offers. Once the acceptance of the offer is conveyed, the Trader(s)/Supplier would be bound to supply the power as per the contract. Tata Power reserves the right to enter into letter of agreement with one or more of the supplier and decide the quantum of power.

ANNEXURE "B"

Details of information to be included in the offer for Purchase of Mini/ Micro Hydro Renewable Power .

1. Name and address of the Mini/Micro Hydro RE source :
2. Contact details :
3. Date of commissioning :
4. Location of the project :
5. Installed capacity (MW):
6. Capacity intended for sale(MW)under this offer :
7. Whether the firm is availing accelerated depreciation benefit?
8. Period of supply :
9. point of Injection:
10. Voltage level at injection point :
11. Mus offered under this EOI :
12. Offer price and break up if any :

Seal and signature of Trader

www.financialexpress.com

| SATURDAY | NOVEMBER 29 | 2014

THE FINANCIAL EXPRESS

17



**TATA
TATA POWER**

The Tata Power Company Limited

Power System Control Center, Trombay Thermal Power Station,
Mahul Road, Chembur, Mumbai - 400 074
Tel.: 91 22 67175377 Fax.: 91 22 67175385
Registered Office: Bombay House, 24, Homi Mody Street,
Mumbai - 400 001

**Expression of Interest for Procurement of
Mini/ Micro Hydro Renewable Power**

The Tata Power Company Ltd. (Herein after referred as 'Tata Power') , a distribution licensee supplying electricity in the Mumbai City, intends to procure power from Mini/ Micro Hydro Renewable Energy Sources to meet their Renewable Purchase Obligation as per MERC regulation 2010 on Renewable Purchase Obligation, its compliance and implementation of REC framework dated 7th June, 2010.

Tata Power intends to procure up to 4.5 Million Units from Mini/ Micro Hydro renewable energy sources for meeting the Renewable Power Obligation, for the period 1st January 2015 to 31st December 2015. Offers are invited from Mini/ Micro Hydro RE developers or Traders or any utility or industry to supply power generated through Mini/ Micro Hydro Renewable Energy Sources, at a rate as approved by MERC order dated 7th July 2014, under case no-100 of 2014.

The details required to be furnished and the terms and conditions are available in the www.tatapower.com website. The offers shall be submitted in a sealed envelope in above mentioned address on or before 1400 hrs on 15.12.2014.

Head - PSCC – Tata Power Company Limited.

(CIN: L28920MH1919PLC000567)

लोकसत्ता

मुंबई, शनिवार, २९ नोव्हेंबर २०१४ *

मुंबई ठाणे ७



टाटा पॉवर

दी टाटा पॉवर कंपनी लिमिटेड

पॉवर सिस्टीम कंट्रोल सेन्टर, ट्रॉम्बे थर्मल पॉवर स्टेशन,
माहुल रोड, वेम्बूर, मुंबई-४०० ०७४

फोन : ९१ २२ ६७ १७५ ३७७ फॅक्स : ९१ २२ ६७ १७५ ३८५

नोंदणीकृत कार्यालय : बॉम्बे हाऊस, २४, होमी मोदी स्ट्रीट, मुंबई-४०० ००१

मिनी/माइक्रो हायड्रो रिन्यूएबल पॉवरच्या

प्रापणासाठी स्वारस्याची अभिव्यक्ती

दी टाटा पॉवर कंपनी लि. (इथून पुढे 'टाटा पॉवर' असे संबोधिलेली), मुंबई शहरात विद्युत्पुरवठा करणारे वितरण अनुदानधारक हे अक्षय्य ऊर्जा खरेदी बंधनावरील एमईआरसी रेग्युलेशन २०१०, त्याचे अनुपालन व ७ जून २०१० दिनांकित आरईसी फ्रेमवर्कची अंमलबजावणीनुसार त्यांच्या अक्षय्य ऊर्जा खरेदी बंधनाची पूर्तता करण्यासाठी मिनी/ माइक्रो हायड्रो रिन्यूएबल एनर्जी सोर्ससकडून वीज प्रापण करू इच्छितात.

टाटा पॉवर, १ जानेवारी २०१५ ते ३१ डिसेंबर २०१५ या कालावधीसाठी अक्षय्य ऊर्जा बंधनाची पूर्तता करण्याकरिता मिनी/ माइक्रो हायड्रो रिन्यूएबल एनर्जी सोर्ससकडून ४.५ दशलक्ष युनिटांपर्यंत वीज प्रापण करू इच्छितात. २०१४चे प्रकरण क्र. १०० अंतर्गत, ७ जुलै २०१४ दिनांकित एमईआरसी आदेशाद्वारे मंजूर केलेल्या दराने, मिनी/ माइक्रो हायड्रो आरई डेव्हलपर्सकडून किंवा ट्रेडर्स अथवा कोणतीही युटिलिटी वा इंडस्ट्री यांजकडून मिनी/ माइक्रो हायड्रो रिन्यूएबल एनर्जी सोर्ससमार्फत निर्मितेले वीज पुरविण्यासाठी प्रस्ताव मागविण्यात येत आहेत.

सादर करावयाचे तपशील आणि अटी व शर्ती वेबसाइटवर www.tatapower.com मध्ये उपलब्ध आहेत. प्रस्ताव १५.१२.२०१४ रोजी दुपारी २ वाजेपर्यंत किंवा त्यापूर्वी उपरोक्तलेखित पत्त्यावर मोहोरबंद लिफाफ्यामधून सादर करावेत.

प्रमुख : पीएससीसी - टाटा पॉवर कंपनी लिमिटेड

(सीआयएन : एल२८९२०एमएच१९१९पीएलसी०००५६७)



Annexure III

EOI No. PP- 01/ Tata Power/ 2015-16

Dated: 22.06.2015

**Expression of Interest for Procurement of Mini/ Micro Hydro
Renewable Power for FY- 16**

The Tata Power Company Ltd. (Herein after referred as 'Tata Power') , a distribution licensee supplying electricity in the Mumbai City, intends to procure power from Mini/ Micro Hydro Renewable Energy Sources to meet their Renewable Purchase Obligation as per MERC regulation 2010 on Renewable Purchase Obligation, its compliance and implementation of REC framework dated 7th June, 2010.

Tata Power intends to procure up to 4.5 Million Units from Mini / Micro Hydro renewable energy sources for meeting the Renewable Power Obligation, for the period 1st August 2015 to 31st March 2016. Offers are invited from Mini / Micro Hydro RE developers or Traders or any utility or industry to supply power generated through Mini / Micro Hydro Renewable Energy Sources, at a rate as approved by MERC order dated 7th July 2014, under case no-100 of 2014.

The offers with details as per Annexure "B" with acceptance of terms and conditions of Tata Power as given in Annexure "A" shall be submitted in a sealed envelope to the following address on or before 1400 hrs on 15.07.2015.

Head,
Power System Control Center,
The Tata Power Company Ltd
Trombay Thermal Power Station 'A'
Mahul Road, Chembur,
Mumbai - 400 074.
Phone No: 022 - 67175377
Fax: 022 - 67175385

Head - PSCC

TATA POWER

The Tata Power Company Limited

Power System Control Center Trombay Thermal Power Station, Mahul Road Chembur Mumbai 400 074

Tel 91 22 6668 7091 2554 3331 Fax 91 22 6717 5385

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Printed on 100% Recycled Paper



Terms and conditions

- 1) Only Grid connected RE generation projects are eligible to meet RPS Obligation of distribution licensees. The responsibility of metering and certified meter reading shall be of supplier and would be as per relevant Regulation of the Commission as applicable.
- 2) As per MERC (Terms and Conditions for determination of RE Tariff) Regulations, 2010 dated June 7, 2010, 'Mini/Micro Hydro' means Hydro Power projects with a station capacity up to and including 1 MW. Hence offers from such eligible projects only will be accepted.
- 3) The rate offered shall be as per the Tariff approved in MERC order dated 7th July 2014, under case no-100 of 2014 determining the tariff for various RE sources. In case of revision in tariff by MERC same shall be applicable as per relevant MERC order.
- 4) Tata Power reserves the right to reject any or all the offers without assigning any reasons what so ever. It is also not binding on Tata Power to disclose any analysis report on offers. Once the acceptance of the offer is conveyed, the Trader(s)/Supplier would be bound to supply the power as per the contract. Tata Power reserves the right to enter into letter of agreement with one or more of the supplier and decide the quantum of power.

ANNEXURE "B"

Details of information to be included in the offer for Purchase of Mini/ Micro Hydro Renewable Power .

1. Name and address of the Mini/Micro Hydro RE source :
2. Contact details :
3. Date of commissioning :
4. Location of the project :
5. Installed capacity (MW):
6. Capacity intended for sale(MW)under this offer :
7. Whether the firm is availing accelerated depreciation benefit?
8. Period of supply :
9. Point of Injection:
10. Voltage level at injection point :
11. MUs offered under this EOI :
12. Offer price and break up if any :

Seal and signature of Bidder

मुंबई राज्य

★ मुंबई, सोमवार, २९ जून २०१५

७

लोकसत्ता

टाटा
टाटा पॉवर

दि टाटा पॉवर कंपनी लिमिटेड

पॉवर सिस्टम कंट्रोल सेंटर, टॉम्बे वर्मन पॉवर स्टेशन, माहल रोड, चेंबूर, मुंबई-४०००७४
टेली : ९९२२ ६७१७५३७७, फॅक्स : ९९२२ ६७१७५३८८
नोंदणीकृत कार्यालय : बॉम्बे हाऊस, २४ होमी मोदी स्ट्रीट, मुंबई-४००००१
वेबसाइट : www.tata.power.com

**मिनी/मायक्रो हायड्रो रिन्युवेबल पॉवरच्या
प्रापणाकरिता स्वारस्याची अभिव्यक्ती**

दि टाटा पॉवर कंपनी लिमिटेड (यापुढे 'टाटा पॉवर' म्हणून संदर्भित), मुंबई शहरात वीजपुरवठा करणारी एक वितरण परवानाधारक, रिन्युवेबल पंचेस ऑब्लिगेशनवर एमईआरसी रेग्युलेशन २०१० नुसार त्यांच्या रिन्युवेबल पंचेस ऑब्लिगेशनची पूर्तता होण्याकरिता मिनी/मायक्रो हायड्रो रिन्युवेबल एनर्जी सोर्सेसकडून, तिच्या दिनांकित ७ जून, २०१० आरईसी फ्रेमवर्कचे कोयान्वयन व अनुपालनाय, विजेचे प्रापण करू इच्छित आहेत.

टाटा पॉवर १ ऑगस्ट २०१५ ते ३१ मार्च २०१६ या कालावधीकरिता रिन्युवेबल पॉवर ऑब्लिगेशनची पूर्तता करण्याकरिता मिनी/मायक्रो हायड्रो रिन्युवेबल एनर्जी सोर्सेसकडून ४-५ मिलियन युनिटपर्यंत प्रापण करू इच्छित आहेत. २०१४ च्या प्रकरणा क्र. १०० अंतर्गत, दिनांकित ७ जुलै २०१४ एमईआरसीच्या आदेशाद्वारा मान्य केलेल्या दरात मिनी/मायक्रो हायड्रो आरई डेव्हलपर्स किंवा ट्रेडर्स किंवा कोणतीही युटिलिटी किंवा इंडस्ट्रीकडून मिनी/मायक्रो हायड्रो रिन्युवेबल एनर्जी सोर्सेसद्वारा निर्मिती केलेल्या विजेचा पुरवठा करण्यासाठी प्रस्ताव मागविण्यात आले आहेत.

भरावयाचा आवश्यक तपशील तसेच शर्ती व अटी www.tatapower.com या वेबसाइटवर वर्ष २०१५-१६ करिता मिनी/मायक्रो हायड्रो रिन्युवेबल पॉवरच्या प्रापणाकरिता स्वारस्याची अभिव्यक्ती याप्रमाणे लिंकवर उपलब्ध आहेत. प्रस्ताव १५.०७.२०१५ रोजी दु. ०२.०० वा. किंवा तत्पूर्वी वर नमूद केलेल्या पत्त्यावर मोहोरबंद लिफाफ्यात सादर करावयाचे आहेत.

हेड- पीएससीसी- टाटा पॉवर कंपनी लिमिटेड
CIN No. : L28920MH1919PLC000567

ECONOMY & PUBLIC AFFAIRS 17



TATA POWER
THE TATA POWER COMPANY LIMITED

Power System Control Centre, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya - 400 014.
Tel: 1 22 81712277 Fax: 91 22 81712288
Registered Office: Bockley House, 26, World Trade Centre, Mumbai 400 021.
Website: www.tatapower.com

Expression of Interest for Procurement of Mini/ Micro Hydro Renewable Power

The Tata Power Company Ltd. (Herein after referred as 'Tata Power'), a distribution licensee supplying electricity in the Mumbai City, intends to procure power from Mini/ Micro Hydro Renewable Energy Sources to meet their Renewable Purchase Obligation as per MERC regulation 2010 on Renewable Purchase Obligation, its compliance and implementation of REC framework dated 7th June, 2010.

Tata Power intends to procure up to 4.5 Million Units from Mini / Micro Hydro renewable energy sources for meeting the Renewable Power Obligation, for the period '1st August 2015 to 31st March 2016'. Offers are invited from Mini / Micro Hydro RE developers or Traders or any utility or industry to supply power generated through Mini / Micro Hydro Renewable Energy Sources, at a rate as approved by MERC order dated 7th July 2014, under case no-100 of 2014.

The details required to be furnished and the terms and conditions are available on the link as **Expression of Interest for Procurement of Mini/ Micro Hydro Renewable Power for the Year 2015-16** on www.tatapower.com website. The offers shall be submitted in a sealed envelope in above mentioned address on or before 1400 hrs on 15.07.2015.

Head - PSCC - Tata Power Company Limited.

COM No. 1/2015/REGD/PS/PL/CO/000007

WAT-ERE-SOURCE TECHNOLOGIES PVT.LIMITED



Ref: Karwand/2015/MSEDCL/02/07

Thursday, 23 July 2015

To,
Mr.Bhaskar Sarkar
Business Strategy & Regulations
Tata Power Company Limited
Dharavi Receiving Station Regulations Department
Matunga-Mumbai-400 019
Tel: 022-67172628 Email: bhaskar.sarkar@tatapower.com

**Subject : Sale of power from 2x 0.75MW Hydro Power Project to be set up at Karwand Dam
Village Hadakhed Tal. Shirpur Dist. Dhule**

Reference : Our proposal Ref: Karwand/2015/MSEDCL/05/05 dated Tuesday, 26 May 2015

Sir,

Our company is in the process of setting up 1.5MW HEP at above mentioned project site. Company has received all the clearances and wishes to sign the EPA. Project brief details are:-

Location : **Karwand Dam, village Hadakhed Tal. Shirpur Dist. Dhule**
Energy/Annum : **2.27MUS (75% dependability) and 2.83MUS (@50% dependability)**
Grid connectivity : **132/33KV Shirpur substation**
Project clearances : Received
Expected generation : By June 2016

You are requested to confirm your interest in purchase of power from the said projects and send the draft of EPA. Requiring more information please feel free to contact us.

Thanking you.

For Wat-ere-source Technologies P Limited

D.S.Kulkarni
Managing Director



EOI No. PP- 02/ Tata Power/ 2016-17

Dated: 24.11.2016

**Expression of Interest for Procurement of Mini/ Micro Hydro
Renewable Power for FY- 17**

The Tata Power Company Ltd. (Herein after referred as 'Tata Power') , a distribution licensee supplying electricity in the Mumbai City, intends to procure power from Mini/ Micro Hydro Renewable Energy Sources to meet their Renewable Purchase Obligation as per MERC regulation 2016 on Renewable Purchase Obligation, its compliance and implementation of REC framework dated 30th March, 2016.

Tata Power intends to procure up to 1.02 Million Units from Mini / Micro Hydro renewable energy sources for meeting the Renewable Power Obligation, for the financial year 2016-17. Offers are invited from Mini / Micro Hydro RE developers or Traders or any utility or industry to supply power generated through Mini / Micro Hydro Renewable Energy Sources, at a rate as approved by MERC order dated 29th April 2016, under case no-45 of 2016 or the relevant orders of MERC .

The offers with details as per Annexure "B" with acceptance of terms and conditions of Tata Power as given in Annexure "A" shall be submitted in a sealed envelope to the following address on or before 1400 hrs on 15.12.2016.

Head,
Power System Control Center,
The Tata Power Company Ltd
Trombay Thermal Power Station 'A'
Mahul Road, Chembur,
Mumbai - 400 074.
Phone No: 022 - 67175377
Fax: 022 - 67175385

Head - PSCC

TATA POWER

The Tata Power Company Limited

Power System Control Center Trombay Thermal Power Station Mahul Road Chembur Mumbai 400 074

Tel 91 22 6668 7091 2554 3331 Fax 91 22 2554 1908

Registered Office : Bombay House 24 Homi Mody Street Mumbai 400 001



ANNEXURE "A"

Terms and conditions

- 1) Only Grid connected RE generation projects are eligible to meet RPS Obligation of distribution licensees. The responsibility of metering and certified meter reading shall be of supplier and would be as per relevant Regulation of the Commission as applicable.
- 2) As per MERC (Terms and Conditions for determination of RE Tariff) Regulations, 2015 dated 10th Nov 2015, 'Mini/Micro Hydro' means Hydro Power projects with a station capacity up to and including 1 MW. Hence offers from such eligible projects only will be accepted.
- 3) The rate offered shall be as per the Tariff approved in MERC order dated 29th April 2016, under case no-45 of 2016, determining the tariff for various RE sources or the relevant order of MERC depending on the year of commissioning of the plant. In case of revision in tariff by MERC same shall be applicable as per relevant MERC order.
- 4) Tata Power reserves the right to reject any or all the offers without assigning any reasons what so ever. It is also not binding on Tata Power to disclose any analysis report on offers. Once the acceptance of the offer is conveyed, the Trader(s)/Supplier would be bound to supply the power as per the contract. Tata Power reserves the right to enter into letter of agreement with one or more of the supplier and decide the quantum of power.

ANNEXURE "B"

Details of information to be included in the offer for Purchase of Mini/ Micro Hydro Renewable Power .

1. Name and address of the Mini/Micro Hydro RE source :
2. Contact details :
3. Date of commissioning :
4. Location of the project :
5. Installed capacity (MW):
6. Capacity intended for sale(MW)under this offer :
7. Whether the firm is availing accelerated depreciation benefit?:
8. Period of supply :
9. Point of Injection:
10. Voltage level at injection point :
11. MUs offered under this EOI :
12. Offer price and break up if any :

Seal and signature of Bidder

**BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY
COMMISSION**

**WORLD TRADE CENTRE, CENTRE NO.1,
13th FLOOR, CUFFE PARADE, MUMBAI 400005**

Filing No:

Case No:

IN THE MATTER OF:

Verification and Compliance of Renewable Purchase Obligation targets of Tata Power -D for FY 2015-16 as specified under MERC (RPO-REC) Regulations, 2010

AND

IN THE MATTER OF:

The Tata Power Company Limited – Distribution

...Petitioner

**AFFIDAVIT ON BEHALF OF THE PETITIONER/ THE TATA POWER COMPANY
LIMITED**

I, Bhaskar Sarkar son of Mr. Arup Kumar Sarkar aged 51 years residing at Flat No.1202, Intop Tower, Plot No.12 & 13, Kharghar, Navi Mumbai – 410210 do solemnly affirm and say as follows:-

1. I am the Head – Regulatory and authorised signatory of The Tata Power Company Limited, Petitioner in the above matter and am duly authorised and competent to make this affidavit.
2. I am filing this Affidavit on behalf of The Tata Power Company Limited.
3. I say that the information enclosed as **Appendix**, now shown to me is based on the records of the Petitioner Company and information received from the concerned officers of the Petitioner Company and I believe the same to be true and correct.

Ms. ROSHAN M. MASTER
NOTARY, GREATER BOMBAY
2403, ORCHID TOWER A
BELLASIS ROAD,
MUMBAI- 400 008.



4. I state that, the Annexures along with the accompanying Submissions, if any, are true copies of their respective originals.


THE TATA POWER CO. LTD.
DEPONENT


VERIFICATION

I, the deponent above named, do hereby verify that the contents of my above Affidavit are true and correct, no part of it is false and nothing material has been concealed therefrom.

Verified at Mumbai on this 21st day of December, 2016


THE TATA POWER CO. LTD.
DEPONENT

Before me


Ms. ROSHAN M. MASTER
NOTARY, GREATER BOMBAY
2403, ORCHID TOWER A
BELLASIS ROAD,
MUMBAI - 400 008.

Reg. No. 404

Commission Expires
on 30.11.2021.

S. no. 1109 of 2016

21.12.2016



