

**BEFORE HON'BLE MEGHALAYA STATE ELECTRICITY REGULATORY  
COMMISSION  
SHILLONG - 793 001**

**PETITION FOR  
APPROVAL OF**

**ANNUAL REVENUE REQUIREMENT & TARIFF  
FOR THE FINANCIAL YEAR 2012-2013**

**By**



**Meghalaya Energy Corporation Limited  
Lumjingshai Short Round Road  
Shillong - 793 001**

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**BEFORE THE HON'BLE MEGHALAYA STATE ELECTRICITY REGULATORY COMMISSION**

FILE / PETITION NO.....

IN THE MATTER OF

APPROVAL OF ANNUAL REVENUE REQUIREMENT AND TARIFF OF THE MEGHALAYA ENERGY CORPORATION LIMITED (MeECL) WITHIN THE STATE OF MEGHALAYA FOR THE FINANCIAL YEAR 2012-13 UNDER MEGHALAYA STATE ELECTRICITY REGULATORY COMMISSION (DETERMINATION OF TARIFF) REGULATION 2011 AND UNDER SECTION-62 READ WITH SECTION 86 OF THE ELECTRICITY ACT 2003

AND IN THE MATTER OF

MEGHALAYA ENERGY CORPORATION LIMITED; LUMJINGSHAI, SHILLONG – 793001, MEGHALAYA

**PETITIONER**

IT IS RESPECTFULLY SUBMITTED BY THE PETITIONER THAT:

1. The Power Supply Industry in Meghalaya had been under the control of the erstwhile Meghalaya State Electricity Board (MeSEB) with effect from 21st January 1975. On 31<sup>st</sup> March 2010, the Government of Meghalaya issued a Notification “The Meghalaya Power Sector Reforms Transfer Scheme 2010” thereby giving effect to the transfer of assets, properties, rights, liabilities, obligations, proceedings and personnel of the erstwhile MeSEB to, namely, (i) Meghalaya Energy Corporation Limited (MeECL), the Holding Company; (ii) Meghalaya Power Distribution Corporation Limited (MePDCL), the Distribution Utility; (iii) Meghalaya Power Generation Corporation Limited (MePGCL), the Generation Utility; & (iv) Meghalaya Power Transmission Corporation Limited (MePTCL), the Transmission Utility. However, the Government of Meghalaya, vide Notification dated 19<sup>th</sup> May 2011, authorized that the transfer scheme of the MeECL be extended for another period of 1 (one) year with effect from 1<sup>st</sup> April 2011.
2. Presently, the Meghalaya Energy Corporation Limited (MeECL) is functioning as a Holding Company and the other utilities, namely, Meghalaya Power Distribution Corporation Limited (MePDCL); the Meghalaya Power Generation Corporation Limited (MePGCL) and the Meghalaya Power Transmission Corporation Limited (MePTCL) have not yet commenced commercial operation as independent entities till date. Hence, separate accounts are yet to be maintained for the three entities, due to which the Meghalaya Energy Corporation Limited (MeECL), which is the Holding Company, under the Clause 3(4) of the Meghalaya State Electricity Regulatory Commission (Determination of Tariff) Regulation 2011, is filing a single tariff petition for the Financial Year 2012-13. The Statement of Accounts 2010-11 (pre-audited) is adopted in this petition.
3. After formation of the Meghalaya State Electricity Regulatory Commission (MSERC), the first Order for approval of ARR/Tariff 2007-08 was issued by the Hon'ble MSERC on 17<sup>th</sup> December 2007 and was made effective from January 2008.

4. The second Order for approval of ARR/Tariff 2008-09 was issued by the Hon'ble MSERC on 30<sup>th</sup> September 2008 and was made effective from 1<sup>st</sup> October 2008.
5. The third Order for approval of ARR/Tariff 2009-10 was issued by the Hon'ble MSERC on 30<sup>th</sup> November 2009 and was made effective from 1<sup>st</sup> December 2009.
6. The Fourth Order for approval of ARR/Tariff 2010-11 was issued by the Hon'ble MSERC on 23<sup>th</sup> August 2010 which was implemented with effect from 1<sup>st</sup> September 2010 till date.
7. The Tariff Petition 2011-12 filed by MeECL is pending disposal by the Hon'ble Commission.
8. The Overall T&D loss during 2010-11 was 32.53 %. During 2011-12, the T&D loss is estimated at 28.38 % which is proposed to be brought down to 26.87 % in 2012-13.
9. The Meghalaya State Electricity Regulatory Commission (Determination of Tariff) Regulation 2011 requires submission of the AT&C loss figures in the prescribed Format D 2 (A). This format entails calculation of the AT&C loss for energy availability, energy sold and collection within the State only. Based on this calculation, the AT&C loss during 2010-11 was 29.53 %. For 2011-12, the AT&C loss is estimated at 29.47 %. The AT&C loss is proposed to be brought down to 27.92 % in 2012-13.
10. The Annual Revenue Requirement (ARR) for FY 2012-13 is projected at ` 886.38 crore. However, the Tariff Order for FY 2011-12 is still pending disposal by the Hon'ble Commission. Under the circumstances, the MeECL proposes to file for approval of the ARR for FY 2012-13, while leaving the determination of tariff to the Hon'ble Commission as it deemed fit and proper, so as to enable the MeECL to recover the proposed ARR.
11. The Resolution of the Board of Director, MeECL approving the proposed ARR and authorizing the undersigned to file this Tariff Petition is enclosed as **ANNEXURE- I**.
12. The applicant, therefore, humbly prays to the Hon'ble MSERC to pass appropriate orders on the following:
  - a. Approval of ARR amounting to ` 886.38 crore proposed in this Petition.
  - b. Determine the tariffs for different categories, so as to enable the MeECL to recover the ARR as submitted in this Petition.
  - c. To pass such orders, as Hon'ble Commission may deem fit and proper and necessary in view of the facts and circumstances of the case.
  - d. To condone any inadvertent omissions, errors & shortcomings and permit the applicant to add/change/modify/alter this filing and make further submissions as required.

(Klailang Nalle War)  
Superintending Engineer  
(Regulatory Affairs and Franchisee Development)  
For & on behalf of Meghalaya Energy Corporation Limited



मेघालय MEGHALAYA

00AA 897433

BEFORE THE HON'BLE MEGHALAYA STATE ELECTRICITY  
REGULATORY COMMISSION

FILE / PETITION NO.....  
CASE NO.....

IN THE MATTER OF

APPROVAL OF ANNUAL REVENUE REQUIREMENT AND TARIFF OF THE  
MEGHALAYA ENERGY CORPORATION LIMITED (MeECL) WITHIN THE  
STATE OF MEGHALAYA FOR THE FINANCIAL YEAR 2012-13 UNDER  
MEGHALAYA STATE ELECTRICITY REGULATORY COMMISSION  
(DETERMINATION OF TARIFF) REGULATION 2011 AND UNDER SECTION-62  
READ WITH SECTION 86 OF THE ELECTRICITY ACT 2003

AND IN THE MATTER OF

MEGHALAYA ENERGY CORPORATION LIMITED; LUMJINGSHAI, SHILLONG  
793001, MEGHALAYA

PETITIONER



Affidavit verifying the Petition

I Satri Klailang Nalle War, aged 48 years, son of (L) M.S. Nalle, residing at Law-  
b, PO Rynjah, Shillong - 793006, do solemnly affirm and say as follows:-

I am working as Superintending Engineer, Regulatory Affairs and Franchisee Development, at Meghalaya Energy Corporation Limited (MeECL), is the petitioner in the above matter and I am duly authorized to make this petition.

That the statement made in reply to the petition herein annexed and enclosed is based on information as derived from the records and I believe them to be true.

**VERIFICATION**

Solemnly affirm at Shillong on this 8<sup>th</sup> day of December 2011 that the contents of the above petition are true to my knowledge and no part of it is false and no material has been concealed there from.

In acknowledgement thereof, I swear this affidavit before the Magistrate First Class, Shillong on this 8<sup>th</sup> day of December 2011



Identified by:

*Klailang Nalle War*  
08/12/2011  
(Klailang Nalle War)  
Petitioner

*W. Khongjee*  
(MISS W. KHONGJEE)  
Advocate.

*[Signature]*  
Judge,  
District Council Court,  
Shillong, Meghalaya.

## DETAILED TEXT OF PETITION

### 1. INTRODUCTION:

The State of Meghalaya was carved out of State of Assam in 1972. The state has a population of 29.64 lakh as per 2011 census and is spread over an area of 22,429 sq. km in 7 districts comprising 9 major towns and 5782 villages. The power supply industry in Meghalaya had been under the control of the erstwhile Meghalaya State Electricity Board (MeSEB) with effect from 21st January 1975. On 31<sup>st</sup> March 2010, the Government of Meghalaya issued a Notification “The Meghalaya Power Sector Reforms Transfer Scheme 2010” thereby giving effect to the transfer of assets, properties, rights, liabilities, obligations, proceedings and personnel of the erstwhile MeSEB to, namely, (i) Meghalaya Energy Corporation Limited (MeECL), the Holding Company; (ii) Meghalaya Power Distribution Corporation Limited (MePDCL), the Distribution Utility; (iii) Meghalaya Power Generation Corporation Limited (MePGCL), the Generation Utility; & (iv) Meghalaya Power Transmission Corporation Limited (MePTCL), the Transmission Utility. However, the Government of Meghalaya, vide Notification dated 19<sup>th</sup> May 2011, authorized that the transfer scheme of the MeECL be extended for another period of 1 (one) year with effect from 1<sup>st</sup> April 2011. A copy of the Notification dated 19.05.2011 is enclosed as **ANNEXURE A**.

The Meghalaya Energy Corporation Limited (MeECL) is at present functioning as a Holding Company. The Meghalaya Power Distribution Corporation Limited (MePDCL), the Meghalaya Power Generation Corporation Limited (MePGCL) and the Meghalaya Power Transmission Corporation Limited (MePTCL) have not yet commenced commercial operation, due to which the Meghalaya Energy Corporation Limited (MeECL), which is the Holding Company, is filing a single tariff petition for the Financial Year 2012-13.

The initial installed capacity when the erstwhile Meghalaya State Electricity Board (MeSEB) was bifurcated from the Assam State Electricity Board (ASEB) in 1975 was 65.2 MW. With the commissioning of Stage-III HEP (1979), Stage IV HEP (1992) & Micro Hydel, the installed capacity increased by 121.5 MW. All the above are hydel power stations with the main reservoir at Umiam for all the stages. Therefore, all these stages depend mainly on water availability at the Umiam reservoir. Another project, viz. Myntdu Leshka HEP (3 X 42 MW) is scheduled to be commissioned in 2011-12.

Power generation varies during lean season and monsoon season. Up to 2011-12, the generation generally varied from 20 MW to 180 MW depending on the availability of water (off peak and peak). For 2012-13, power generation during lean season and monsoon season is expected to be as indicated below:

#### LEAN VRS MONSOON GENERATION – A GENERAL TREND

	LEAN SEASON	MONSOON
GENERATION DURING PEAK	155-175 MW	195-210 MW
GENERATION DURING OFF PEAK	20-80 MW	140-160 MW
AVAILABILITY OF POWER (AVERAGE)	700 MILLION UNITS PER YEAR	

## 2. EXISTING POWER SYSTEM

### 2.1 Generation:

The installed capacity in the state as on 31.03.2011 was 186.7 MW, as shown in Table-1 below.

**Table-1: Installed capacity of own Generation**

Serial No.	Name of Station	No. of Units	Capacity (MW)	Total Capacity (MW)	Year of Commissioning
1	Umiam Umtru Stage I	I	9	36	21.02.1965
		II	9		16.03.1965
		III	9		06.09.1965
		IV	9		11.09.1965
2	Umiam Umtru Stage II	I	9	18	22.07.1970
		II	9		24.07.1970
3	Umiam Umtru Stage III	I	30	60	26.01.1979
		II	30		30.03.1979
4	Umiam Umtru Stage IV	I	30	60	16.08.1992
		II	30		06.09.1992
5	Umtru Power Station	I	2.8	11.2	01.04.1957
		II	2.8		01.04.1957
		III	2.8		01.04.1957
		IV	2.8		01.04.1968
6.	Micro Hydel	I	1.5	1.5	Nov 2009
	Total			186.7	

The state also has a share of 324.44 MW from the central generating stations of NEEPCO, NHPC, NTPC and OTPC-GPP as shown in **Format D3**.

### 2.2 Transmission Network:

The state has a network of 455.198 Circuit Km 132 KV Single Circuit line and 176.24 Circuit Km 132 KV Double Circuit line, the details of which are given in **ANNEXURE-II A**. Moreover, there are 12 nos. of 132/33 KV sub-stations and 2 nos of 220/132 KV sub-station, the details of which are in **ANNEXURE-II B**.

The power system of MeECL is inter-connected to the power systems of the neighbouring states in the North Eastern region at 132 KV. It may be mentioned that the power system of all the states in the North Eastern region are integrated with the 400/220 KV network of Power Grid Corporation of India Limited. This provides a stable operation for the state power system.

### 2.3 Sub-Transmission/Distribution Network:

The details of the existing sub-transmission and distribution network as on 31.03.2011 are as below:

33/11 KV Sub-stations	= 112 Nos;	335.88 MVA Capacity
33/0.4 KV Sub-stations	= 15 Nos;	4.125 MVA Capacity
33 KV Transmission Line (DC)	= 115.045 Circuit Km	
33 KV Transmission Line (SC)	= 1707.46 Circuit Km	
11 KV Lines (DC)	= 39.39 Circuit Km	
11 KV Lines (SC)	= 10654.08 Circuit Km	

LT Lines = 10989.48 Circuit Km  
11/0.4 KVA Distribution Transformers = 6345 Nos; 498.65 MVA Capacity  
11/0.2 KVA Distribution Transformers = 77 Nos; 1.099 MVA Capacity

### **3. WORK IN PROGRESS**

#### **3.1 Generation capacity:**

The MeECL is currently executing the works of hydro electric projects, as indicated in **ANNEXURE-III**. With the completion of these projects, the installed capacity will increase from 186.7 MW to 354.2 MW.

#### **3.2 Transmission Network:**

The MeECL is taking up the transmission projects, as indicated in **ANNEXURE - IV** and **ANNEXURE -V**. These projects will increase the network of 132 KV Single Circuit line by 121.71 Circuit Km, 132 KV Double Circuit line by 40.86 Circuit Km, 132 KV Multi Circuit line by 5.86 Circuit Km, 400 KV Double Circuit line by 4.6 Km, 400/220 KV sub-station by 1 number, 220/132KV sub-station by 1 number and 132/33 KV sub-stations by 5 numbers.

#### **3.3 Distribution Network:**

The strengthening of the distribution network which is associated with village electrification is being done through the funds under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) and is scheduled to be completed by March 2012.

#### **3.4 Rural Electrification:**

The total number of villages in the State as on March 2011 is 5782 Nos. The village electrification is presently being done under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) programme sanctioned by the Rural Electrification Corporation Limited.

### **4. ENERGY SALE:**

The MeECL has analyzed the trends of the category-wise data for the past years. The data includes units sold, number of consumers and connected load. These trends have been used in forecasting the data for the FY 2012-13. The projections for FY 2012-13 are generally made on CAGR basis.

#### **4.1 Category-wise energy sale:**

Due to a continuing gap between availability and demand, especially during lean seasons, restriction in sale of energy was imposed during FY 2011-12. Restriction on use of power shall also continue in FY 2012-13. The category-wise energy sale during for FY 2010-11 is 1104.54 MU, for FY 2011-12 is 1222.56 MU and for FY 2012-13 is 1560.38 MU, as shown in **Format D1** of this petition.

#### **4.2 Category-wise Number of Consumers**

The MeECL has 2,70,817 consumers as on 31.03.2011. The consumers under domestic category

constitute as high as 91.70 % of the total consumers and 53.70% of the total connected load. The high percentage of domestic customers with sale of power at medium & low voltage contributes to the higher technical & commercial losses. However, the number of industrial consumers is very low, but these constitute about 32.68 % of the total connected load. The other categories constitute 8.30 % of the total consumers and 21.02% of the connected load. The category-wise number of consumers is also indicated in **Format D1** of this petition.

**5. POWER AVAILABILITY FROM STATE HYDEL STATIONS & THROUGH PURCHASE:**

Meghalaya is a power deficit State due to accelerated load growth caused by a liberalized industrial policy of the State Government. This liberalized policy has encouraged power intensive industries to set up industrial units, mainly in the Byrnihat Industrial area, Ri Bhoi District and at Lumshnong, Jaintia Hills District, with a demand of about 200 MW. This is in addition to the normal increase in the demand. The demand is expected to rise further in view of Government policy for 100 % electrification of all villages and households. At present, there is a wide gap in demand and availability of power in the State. The data regarding the availability of power from State’s own generation and Central share, both during monsoon seasons and lean seasons, are given in Table 2 below.

**Table 2: Demand & Availability Scenario**

Sl. No.	Particulars	FY 11-12
1	Peak Demand / (Unrestricted)	425 MW
2	Peak Demand Met / (Restricted) - Monsoon	260 MW
	- Lean	240 MW
3	Power Availability from Own Generation	
i.	Peak During Monsoon Seasons	151 MW
ii.	Average During Monsoon Seasons	74 MW
iii.	Peak During Lean Seasons.	104 MW
iv.	Average During Lean Seasons	39 MW
4	Central Share (NEEPCO, NHPC & Free Power)	
i.	Peak During Monsoon Seasons.	150 MW
ii.	Average Off Peak During Monsoon Seasons.	122 MW
iii.	Peak during Lean Seasons	101 MW
iv.	Average Off Peak During Lean Seasons	68 MW

**5.1 Energy availability from own Generation:**

The energy availability from own sources is dependent on the monsoon. The maximum generation recorded during the last decade was 665.38 MU in 2007-08. The generation of the last two years and the projection for 2012-13 is in Table 3 below:

**Table 3: Own Generation**

*(All figures are in MUs)*

Sl. No.	Source	2010-11 (Pre-audit)	2011-12 (Provisional)	2012-13 (Projected)
1	Stage I	103.80	107.25	108.29
2	Stage II	47.52	12.00	37.72
3	Stage III	132.24	150.40	131.17
4	Stage IV	204.93	203.20	195.07

5	Umtru	15.51	18.00	33.24
6	Micro Hydels	5.16	11.83	7.89
7	Myntdu Leshka		140.18	194.49
8	Gross Generation	509.17	642.86	707.87
9	Auxiliary consumption	1.27	2.23	2.83
10	<b>Net Generation</b>	<b>507.90</b>	<b>640.63</b>	<b>705.04</b>

## 5.2 Energy availability by purchasing from outside sources.

- (a) The MeECL is also resorting to purchase of power from other sources to meet the energy requirement. Long term power purchases is as per the allocation made by the Ministry of Power, Government of India from the Central Sector Generating Stations of NEEPCO & NHPC, located in the North Eastern Region and also from the thermal stations of NTPC located in the Eastern Region. The rates at which power is purchase from the aforesaid stations are as determined by the Hon'ble Central Electricity Regulatory Commission.
- (b) Short term power purchase is also inevitable to maintain stability in the power system and 30 MU was projected during 2012-13. Moreover, the MeECL is obligated to purchase electricity from renewable energy sources, which is in accordance with the Meghalaya State Electricity Regulatory Commission (Renewal Energy Purchase Obligation and Compliance) Regulation 2010 as notified on 21<sup>st</sup> December 2010. Clause 4 of this Regulation specifies the quantum of Renewable Purchase Obligation (RPO) by the Licensees, and the same is reproduced below:-

### “4. Quantum of Renewable Purchase Obligation (RPO)

- (1) Every obligated entity shall purchase electricity (in KWh) from renewable energy sources at a quantum which is not less than the minimum calculated on the basis of percentage of the total consumption of the consumers in an area of the entity.
- (2) At the commencement of these regulations the minimum percentage shall be as herein below specified, that is:-

**Table - 4**

Year	Minimum quantum of purchase (in %) from renewable energy sources (in kWh)			
	Total	Wind	Solar	Others
2010-11	0.5 %	0.1 %	0.2 %	0.2 %
2011-12	0.75 %	0.15 %	0.3 %	0.3 %
2012-13	1.0 %	0.20 %	0.4 %	0.4 %

..... “

- (c) Accordingly, during 2012-13, the MeECL is obligated to purchase electricity from renewable energy sources as below:-

**Table-5**

Energy sale (MU)	Minimum quantum of purchase from renewable energy sources (in MU)			
	Total	Wind	Solar	Others
1560.38	15.60	3.12	6.24	6.24

However, the MeECL proposes to generate 78.85 MU of energy from small hydro which is categorized as Non-solar. The MeECL's obligation to purchase electricity from Non-solar sources has, therefore been met, and is obligated to purchase only solar energy. Out of 30 MU projected for short term purchase, 6.24 MU is projected from solar sources and the balance 23.76 MU from other conventional sources.

(d) Taking into consideration all the factors mentioned above, the purchase of power from outside sources as shown in **Format D4** of this petition.

## **6. ENERGY BALANCE:**

The energy availability from own sources is projected at 705.04 MU and purchase from outside sources is projected at 1428.51 MU. The total availability is 2133.55 MU, out of which the total energy sale is projected at 1560.38 MU, resulting in T&D loss of 573.18 MU. The detail of energy balance is given in **Format – D2**.

## **7. TRANSMISSION & DISTRIBUTION LOSSES:**

At present, there is considerable number of un-metered consumers, as well as consumers with defective meters, not only under domestic category but under other categories too. Moreover, there are many HT feeders that have no meters. The consumption of un-metered consumers as well as consumers with defective meters, are being assessed, and thus there is a possibility of higher actual consumption resulting in lower computation of T&D loss. With more meters installed against un-metered and defective connections and with metering of HT feeders, there is a possibility of reaching more realistic position of T&D loss. In this situation, the actual overall T&D loss of 32.53 % during FY 2010-11, is estimated at 28.38 % during FY 2011-12 and targeted to be reduced to 26.87% during FY 2012-13.

### **7.1 Analysis of T&D Losses:**

At present the break up of T&D loss in respect of technical loss and commercial loss (including due to theft/pilferage of energy) is not available. The MeECL is making all efforts to analyze the T&D loss, which is quite a tedious job and may require a lot of time. In general, the higher T&D losses are due to the following reasons:

- i) Long and overloaded transmission, sub-transmission and distribution lines
- ii) Un-metered connections, where actual consumption is more than the assessment being done or where flat rate billing does not cover actual consumption.
- iii) Stopped/defective meters, where billing is not being done on the basis of actual consumption
- iv) Theft/pilferage of energy.

### **7.2. Remedial Measures:**

Efforts are being made to reduce T&D losses by way of -

- i) Strengthening transmission, sub-transmission and distribution system and re-engineering thereof

- ii) Metering of un-metered consumers, un-metered feeders and replacement of defective meters.
- iii) Inspection of connections, detection of theft/pilferage of energy and reducing it to the maximum possible extent

**7.3. T&D Losses Reduction Plan:**

Tentatively, the reduction of the overall T&D losses in coming years is planned as below:

Actual T&D loss in FY 2010-11	= 32.53 %
Target of reduction of T&D loss in FY 2011-12	= 28.38 %
Target of reduction of T&D loss in FY 2012-13	= 26.87 %

**7.4 Metering Programme:**

The metering of consumers is being done by the MeECL under RGGVY and from its own resources. The MeECL has taken a policy decision that no new connection to any category of consumers shall be provided without meters. Efforts are being made to achieve 100% metering of consumers in the next two years.

**8. AGGREGATE TECHNICAL & COMMERCIAL LOSSES (AT&C LOSSES):**

Determining technical losses has traditionally been used to measure the efficiency of the electrical system, which is computed as the ratio of the difference in energy input and energy sold to the energy input. However, this does not reflect the overall efficiency of the system. This limitation is addressed by adding another parameter to the T&D losses, viz. the collection efficiency, which is defined as the ratio of the total revenue collected to the total demand raised (billing done) during the year. By combining the technical losses and collection efficiency, the Aggregate Technical and Commercial (AT&C) losses is determined, which is a measure of the total efficiency of the electrical system.

**8.1. Collection Efficiency**

The collection efficiency for FY 2010-11 is 104.91% and for FY 2011-12 is estimated at 97.79% and for FY 2012-13 is projected at 97.88 %.

**8.2. AT&C loss**

The Meghalaya State Electricity Regulatory Commission (Determination of Tariff) Regulation 2011, requires submission of the AT&C loss figures in the prescribed Format D 2(A). In this format, the AT&C loss calculation takes into account the energy availability, energy sold and revenue collection made from within the State only. The AT&C loss, based on this calculation is shown in **Format D2 (A)** of this petition. The AT&C loss projected within the state is as below:

Actual AT&C loss in FY 2010-11	= 29.53 %
Provisional AT&C loss in FY 2011-12	= 29.47 %
Target of reduction of AT&C loss in FY 2012-13	= 27.92 %

## 9. EXPENDITURE:

### 9.1 Power Purchase Cost:

- (a) To meet the energy requirement in the state, power is proposed to be purchased from various sources as indicated in **Format D4**. During 2012-13 the quantum of power to be purchased is projected at 1428.51 MU at an expenditure of Rs. 483.03 crore.
- b) The Hon'ble Central Electricity Regulatory Commission (CERC) vide its Order dated 23<sup>rd</sup> August 2011 has determined the following price for renewable energy:-
- (i) The forbearance price for Non-Solar Renewable Energy Certificate (REC) at Rs 3300/- per Mwh and the floor price at Rs 1500/- per Mwh.
  - (ii) The forbearance price for Solar REC at Rs 13,400/- per Mwh & the floor price at Rs 9300/- per Mwh.

A copy of the Hon'ble CERCs Order dated 23<sup>rd</sup> August 2011, is enclosed as **ANNEXURE B**.

During 2011-12, the MeECL had requested Power Trading Company of India Limited (PTCIL) to explore the market for arranging 3.66 MU of solar power to MeECL. However, PTCIL, vide letter dated 24<sup>th</sup> November 2011, has informed that no solar developer is available for supply of 3 MU of solar energy for one year. Therefore, PTCIL has advised that MeECL should instead purchase Solar Renewable Certificates (RECs) from the Energy Exchange. A copy of the letter from PTCIL dated 24.11.2011 is enclosed as **ANNEXURE C**.

During 2012-13, the procurement rate of solar energy is projected at the forbearance price of Rs 13400 per Mwh. However, due to non-availability of solar energy, the MeECL shall have to procure RECs in addition to 6.24 MU of energy, at the projected rate of Rs 4.50 per unit. Therefore, the procurement rate for solar energy is projected at Rs (13.40 + 4.50) or Rs. 17.90 per unit, amounting to Rs 11.17 crore.

The MeECL proposes to generate 78.85 MU of energy from small hydro which is categorized as Non-solar. The MeECL's obligation to purchase electricity from Non-solar sources has therefore been met, and it is obligated to purchase only solar energy.

- (c) The MeECL also proposes to purchase 23.76 MU of short term power from conventional sources, at the projected rate of Rs 4.50 per unit at a total cost of Rs 10.69 crore.

### 9.2 Repair & Maintenance:

The repair and maintenance expense is projected in **Format – 4** of this petition. Except for Stage I power station, which was renovated in 2001-02, the MeECL is having outlived power stations between 30 to 50 years old. These power stations incur more expenses to maintain the scheduled generation. Moreover, Meghalaya being a hilly terrain state demands comparatively more investment for maintaining the transmission and distribution network. Under these circumstances there is a genuine need for incurring repair & maintenance expenses to keep the current assets under satisfactory running condition.

### **9.3 Employee Cost:**

A significant component of the employees cost has been the terminal benefit which is being met from the revenue earning on a year to year basis. In other words, the actual pension outflow for the retired personnel of the erstwhile MeSEB is being managed from the revenue earned in the year. The MeECL is also recruiting employees to meet the shortage of man power due to gradual retirement of employees. Also, the employee cost was projected keeping in mind the payment of arrear pay of the employees arising out of pay revision which was made effective from January 2010 and implemented from September 2011. Accordingly, the employee's cost is as indicated in **Format – 1** of this petition:

### **9.4 Administrative & General Expenses:**

The administrative and general expenses of the MeECL are also increasing gradually due to expansion of the power sector in the state and also to keep pace with the inflation. The breakup / details of the A & G expenses under various heads is as indicated in **Format – 5** of this petition.

### **9.5 Depreciation:**

Depreciation has been computed on the opening Gross Fixed Assets for each class / category of assets individually for approval as part of the annual revenue requirement for 2009-10. The depreciations are given in **Format 6**.

### **9.6 Interest & Finance Charges:**

The interest component proposed to be charged is on account of loans taken for the purpose of capital investments as well as for meeting working capital requirements. The interest & finance charges are given in **Format 7**. The Hon'ble Commission in its Tariff Order 2008-09 has not allowed the provision on interest to be paid to the State Government. Accordingly, this expenditure has been deducted from Interest and Finance charges.

### **9.7 Provision for Bad & Doubtful Debts:**

The entire sale of MeECL is on credit basis. Sales are mostly in semi urban and rural areas in a wide geographical spread and there would be occurrences of bad debts. During FY 2010-11 a provision of Rs. 11.24 was provided. A provision of Rs. 10.00 crore has been kept FY 2011-12 and FY 2012-13 respectively.

### **9.8 Other Non-Tariff Incomes:**

Other incomes include interest on loan and advance, income from investment, delayed payment surcharge, discounts/rebates from suppliers, interest from banks, and income from trading as well as miscellaneous receipts. The details are given **Format D5**.

### **9.9 Return on Equity:**

The equity held in MeECL's accounts is Rs. 202.00 crore. 14% return on equity amounting to Rs. 28.28 crore has therefore been assumed for the FY 2012-13 as shown in Table 4 below.

**Table 6: Return on Equity***(All figures are in Rs. Crore)*

Serial No.	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projection)
1	Opening Balance of Equity	202.00	202.00	202.00
2	Net Additions during the Year	0.00	0.00	0.00
3	Less: Capitalization	0.00	0.00	0.00
4	Closing Balance of Equity	202.00	202.00	202.00
5	Rate of Return (%)	14%	14%	14%
6	ROE	28.28	28.28	28.28

**9.10 State Government Subsidy:**

The State Govt. has provided RE subsidy of Rs 12.32 crore in FY 2010-11. A provision of Rs 12.31 crore was kept for FY 2011-12 and Rs. 14.00 crore was kept for FY 2012-13.

**10. ANNUAL REVENUE REQUIREMENT (ARR):**

The Annual Account (Statement of Accounts 2010-11) pre-audited has been used as the base for projection of all the expenses elements of the Annual Revenue Requirement (ARR). The detail of the pre-audit ARR for FY 2010-11, estimated ARR for FY 2011-12 and the projected ARR for FY 2012-13 is indicated in **Format D7** of this petition

**11. Energy availability, Annual Revenue Requirement (ARR) and Revenue deficit to enable the MeECL to supply power as per contract-demand to the industrial consumers which is in accordance with Clause 114 of the Hon'ble Meghalaya State Electricity Regulatory Commission (Terms & Conditions for Determination of Tariff) Regulation 2011, dated 16<sup>th</sup> February 2011.**

(a). The Hon'ble Commission, in its Order dated 8<sup>th</sup> February 2011 has provided for regulation of fixed charges in the event that the Licensee is unable to supply contractual power to HT & EHT consumers. This regulation has been incorporated in Clause 114 (1) of the Meghalaya State Electricity Regulatory Commission (Terms & Conditions for Determination of Tariff) Regulation 2011, which is reproduced below:

*“114. Tariff Design*

*Distribution tariff will be two part tariff comprising fixed charge and energy charge.*

*Provided that, in the event of the Licensee being unable, for any reason, to supply a consumer with High Tension / Extra High Tension electricity supply as per contract-demand specified in the contract agreement executed by them with such a consumer, the fixed charges per KVA of contract load shall be regulated as follows –*

$$\begin{aligned}
 C &= \text{Percentage of average monthly supply to Contract Demand} \\
 &= \frac{b \times t \times 100}{a \times T} \text{ per cent;}
 \end{aligned}$$

where,

1) *a* = Contract demand in KVA

2) *b* = Average load supplied to the consumer during the month in KVA,

3)  $T$  = Contracted duration of daily supply in hours,

4)  $t$  = Average duration of daily supply during the month in hours

Provided, further, that if  $C$  is equal to, or more than 75 per cent of the contract-demand, such consumers shall be liable to pay fixed charges at tariff rates as stipulated in the distribution tariff order in force, in addition to stipulated energy charges for energy actually consumed at full rates; but, if  $C$  is less than 75 percent of the contract- demand, such consumer shall be liable to pay fixed charges at  $C$  per cent of the fixed charge rate as stipulated in the distribution tariff order in force, in addition to stipulated energy charges for energy actually consumed at full rates. All such resultant billing adjustments shall be made in the billing for the subsequent month, that is, the month following the month during which the licensee was unable, for any reason, to supply such consumer with electricity as per contract-demand specified in the contract agreement executed by them with such consumer.”

In compliance to the above Regulation, the MeECL issued a notification on 30<sup>th</sup> March 2011, for implementing of this regulation with effect from March 2011. A copy of the Notification is enclosed as **ANNEXURE D**.

- (b) During 2011-12, the MeECL imposes restriction on drawal of power by the industrial HT and EHT consumers. The energy requirement in 2011-12 as per contracted demand is calculated at 1873.32 MU, out of which only 624.32 MU was expected to be supplied, which constituted about 33 % of the contract demand. To enable the MeECL to supply power as per contract-demand to the industrial consumers, the energy availability for industrial HT and EHT consumers is required to be calculated according to their contracted load. In this scenario, the category-wise energy sale during FY 2012-13, is projected as below:

**Table-7**

(All Figures are in MUs)

Consumer Category	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
	Units (MU)	Units (MU)	Units (MU)
<b>Domestic</b>			
LT	245.57	266.56	292.80
HT	18.59	19.47	20.07
KJ	6.68	8.52	12.35
<b>Sub-Total</b>	<b>270.84</b>	<b>294.55</b>	<b>325.22</b>
<b>Commercial</b>			
LT	46.74	55.86	67.05
HT	15.68	17.58	21.52
<b>Sub-Total</b>	<b>62.42</b>	<b>73.44</b>	<b>88.57</b>
<b>Industrial</b>			
LT	6.58	7.35	8.31
HT (Above 1MW)	252.00	926.99	984.30
HT (Below 1MW)	20.28	154.88	159.63
<b>HT Sub-Total</b>	<b>272.28</b>	<b>1081.87</b>	<b>1143.93</b>

<b>EHT</b>	205.16	791.45	729.77
<b>HT &amp; EHT</b>	<b>477.44</b>	<b>1873.32</b>	<b>1873.70</b>
<b>Public Service</b>			
PL	1.33	1.60	1.63
Public Water Works (LT)	6.67	7.19	7.79
Public Water Works (HT)	27.20	30.00	32.74
<b>Sub-Total</b>	<b>35.20</b>	<b>38.79</b>	<b>42.15</b>
<b>AP</b>	0.35	0.77	0.52
<b>General Purpose</b>			
LT	13.57	15.14	17.05
HT(Bulk Supply)	64.32	64.95	65.59
<b>Sub-Total</b>	<b>77.89</b>	<b>80.08</b>	<b>82.63</b>
<b>Crematorium</b>	0.20	0.20	0.20
<b>MeECL's offices &amp; Employees</b>	37.27	37.76	38.26
<b>Inter-State</b>			
Assam (Gen.Pur.)	15.22	15.29	15.36
<b>Sub-Total</b>	<b>15.22</b>	<b>15.29</b>	<b>15.36</b>
<b>U.I / Bilateral</b>	40.38	20.00	50.00
<b>Swapping (NVVN)</b>	80.75	30.00	127.00
<b>Total</b>	<b>1104.53</b>	<b>2471.56</b>	<b>2651.93</b>

(c). The energy balance conforming to the energy sale projected above is as below:

**Table-8**

(All figures are in MUs)

Sl. No.	Source	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	Net Own Generation	507.90	640.63	705.04
2	Power Purchased from Outside	1129.15	2810.50	3030.50
3	Total Energy	1637.05	3451.13	3735.54
4	Total Energy Sale	1104.53	2471.56	2651.93
5	T&D Loss (MUs)	532.52	979.57	1003.61
6	T&D Loss (%)	32.53	28.38	26.87

(d) The total energy required to be purchased from outside sources as per the energy balance shown above is projected at 3030.50 MU, out of which 1248.51 MU is proposed to be procured from long term purchase and the balance 1781.99 MU from short term purchase. The power purchase cost of 3030.50 MU is projected at Rs 1210.21 crore, as shown below:-

**Table- 9**

Sl. No.	Source	2012-13 (Projection)		
		Energy (MUs)	Rate (Paisa/Unit)	Total Cost (Rs. In Cr)
<b>I</b>	<b>LONG TERM PURCHASE</b>			
1	NEEPCO:			
A	Free Power	62.97		

	Sub-Total(1A)	62.97		
B	Purchase Power			
i	Kopli PS	89.80	80.96	7.27
ii	Kopli Stage-II PS	8.20	136.59	1.12
iii	Khandong PS	19.09	180.20	3.44
iv	AGTPP	68.46	338.01	23.14
v	AGBPP	207.00	283.00	58.58
vi	Ranganadi	152.66	192.98	29.46
vii	Doyang	25.12	492.04	12.36
viii	Supplementary bill			
	Sub-Total(1B)	570.33	237.35	135.37
	<b>Sub-Total(1)</b>	<b>633.30</b>	<b>213.75</b>	<b>135.37</b>
2	NHPC: Loktak HEP	<b>65.28</b>	<b>225.95</b>	<b>14.75</b>
3	NTPC:			
i	FSTPP	66.51	448.05	29.80
ii	KHSTPP-I	34.45	332.08	11.44
iii	TSTPP	41.57	290.11	12.06
iv	KHSTPP-II	136.66	420.02	57.40
v	BTPS	113.88	450.04	51.25
	<b>Sub-Total(3)</b>	<b>393.07</b>	<b>412.01</b>	<b>161.95</b>
4	OTPC – Palatana	<b>156.86</b>	450.02	<b>70.59</b>
	<b>Sub-Total (I)</b>	<b>1248.51</b>	<b>306.49</b>	<b>382.66</b>

<b>II</b>	<b>SHORT TERM PURCHASE</b>			
A	<b>Bilateral</b>			
1	Shyam Century Ferro			
2	UI			
3	RPG	1621.06	450.00	729.48
4	PTC			
5	NVVN			
	Sub-Total(II A)	1621.06	450.00	729.48
B	<b>Renewable Resources</b>			
1	Solar RECs	10.93	1790.00	19.56
	Sub-Total(II B)	10.93		19.56
C	Swapping	150.00		5.00
	<b>Sub-Total(II)</b>	<b>1781.99</b>	<b>423.14</b>	<b>754.04</b>
	<b>TOTAL PURCHASE</b>	<b>3030.50</b>	<b>375.09</b>	<b>1136.70</b>
<b>III</b>	<b>TRANSMISSION CHARGES</b>			
1	PGCIL			68.65
2	RLDC Charges			1.56
3	AEGCL			2.50
4	Reactive Energy Charges			0.80
	<b>Sub-Total (III)</b>			<b>73.51</b>
	<b>Grand Total (I to III)</b>	<b>3030.50</b>	<b>399.34</b>	<b>1210.21</b>

It may be seen that if the total demand of energy as per contract-demand of industrial HT and EHT consumers is required to be met, then the total requirement is projected at 3735.54 MU i.e. around 1601.93 MU more than the likely availability of 2133.55 MU.

- (e). The Annual Revenue Requirement (ARR) to enable the MeECL to supply energy to industrial HT and EHT as per contract demand as below:

**Table 10***(All figures are in Rs. Crores)*

S.N	Item of expenditure	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Cost of Power Purchase	303.62	1197.51	1210.21
2	Employee costs	128.73	184.96	270.00
3	R&M expenses	22.78	23.33	29.94
4	Adm. & Gen. Expenses	11.70	10.54	11.67
5	Depreciation	27.02	49.44	55.53
6	Interest charges	44.01	46.81	130.49
7	Return on equity	28.28	28.28	28.28
8	Income Tax		9.33	9.33
9	Provision for bad and doubtful debt	11.24	10.00	10.00
10	Total revenue requirement	577.38	1560.20	1755.45
	Less: Non tariff income	87.80	63.30	105.55
11	* including subsidy	12.32	12.31	14.00
	** including outside sale	19.84	6.00	22.33
<b>12</b>	<b>Net revenue requirement (10-11)</b>	<b>457.42</b>	<b>1478.59</b>	<b>1613.57</b>

(f) The energy requirement during 2012-13, if the demand as per contract load is to be met, is projected at 3735.54 MU, out of which 3030.50 is required to be purchased at the cost of Rs. 1210.21 Crore. The ARR in this case is projected at Rs. 1613.57 crore. **Any attempt to procure such a huge quantum of power will result in tariff shock which is unbearable to consumers. Therefore, the MeECL has not proposed to meet the energy requirement of industrial HT & EHT consumers as per the demand contract.**

## **12. Revenue with restriction on drawal of power by the industrial HT and EHT consumers.**

During 2011-12, the MeECL imposes restriction on drawal of power by the industrial HT and EHT consumers and as detailed in paragraph 11 above, the MeECL was able to meet only about 33 % of the contract demand. In this connection, the Hon'ble Commission, in its Order dated 8<sup>th</sup> February 2011, has provided for regulation of fixed charges in the event that the Licensee is unable to supply contractual power to HT & EHT consumers. This Regulation has been incorporated in Clause 114 (1) of the Meghalaya State Electricity Regulatory Commission (Terms & Conditions for Determination of Tariff) Regulation 2011. In compliance to the above Regulation, the MeECL issued a notification on 30<sup>th</sup> March 2011, for implementing of this Regulation with effect from March 2011. A copy of the Notification is enclosed as **ANNEXURE D**. The actual percentage of average monthly supply to contract demand for June 2011, is enclosed at **ANNEXURE E**. Therefore, the MeECL petitioned the Hon'ble Commission to kindly take this factor into consideration while approving the fixed charge of industrial HT & EHT consumers for 2012-13.

## **13. Road Map for Tariff Proposal.**

(a).The Hon'ble Commission, in its Tariff Order dated 23.08.2010, had in Paragraph 42, gives the

Road-Map for compliance with Section 61(g) of the Electricity Act 2003, which is reproduced below :-

“42. Road-Map for compliance with Section 61(g) of the Electricity Act 2003 read with National Tariff Policy –

1. The Commission notes that the Distribution Tariff decided by these Orders, is already compliant with the provisions of Section 61(g) of the Electricity Act of 2003 and the National Tariff Policy, that is the distribution tariff is within +/- 20 percent of the average cost of supply, except in respect of domestic consumption, consumption for agricultural purposes, consumption under the Kutir Jyoti Program and consumption in Crematoria under the L.T Category.

2. The Commission, therefore, hereby prescribes the road-map to comply with the requirements of Section 61 of the said Act. The road map is reflected in Table-XI below –

TABLE-XI

<i>ROAD MAP FOR COMPLIANCE WITH THE PROVISION OF SECTION 61(g) OF THE ELECTRICITY ACT 2003, read with THE CONNECTED PROVISIONS OF THE NATIONAL TARIFF POLICY RELATING TO DISTRIBUTION TARIFF BEING BROUGHT WITHIN +/- 20 PERCENT OF THE COST OF SUPPLY WITHIN 2010-11.</i>					
<i>Sl.</i>	<i>Category</i>	<i>Deviation % of Distribution Tariff from the cost of supply</i>			
	<i>YEAR</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>
<i>1</i>	<i>LT Domestic Category for domestic consumption, including consumption for Agricultural purposes, Kutir Jyoti Program and Crematorium; as fixed vide sub-para 5 read with Table - KKK, above</i>	<i>(-) 30.0 %</i>  <i>NON COMPLIANT</i>	<i>(-) 26.0 %</i>  <i>NON COMPLIANT</i>	<i>(-) 22.0 %</i>  <i>NON COMPLIANT</i>	<i>(-) 18.0 %</i>  <i>COMPLIANT</i>
<i>2</i>	<i>LT Non-domestic Category for non-domestic Purposes including consumption by industry, commercial establishments, general purposes and for water supply systems and street lighting.</i>	<i>(+) 16.0 %</i>  <i>COMPLIANT</i>	<i>(+) 14 %</i>  <i>COMPLIANT</i>	<i>(+) 12.0 %</i>  <i>COMPLIANT</i>	<i>(+) 10 %</i>  <i>COMPLIANT</i>

3	<i>HT Category</i>	(+) 11.0 % <i>COMPLIANT</i>	(+) 9.0 % <i>COMPLIANT</i>	(+) 7.0 % <i>COMPLIANT</i>	(+) 5.0 % <i>COMPLIANT</i>
4	<i>EHT Category</i>	(+) 6.0 % <i>COMPLIANT</i>	(+) 4.0 % <i>COMPLIANT</i>	(+) 2.0 % <i>COMPLIANT</i>	(+) 0.0 % <i>COMPLIANT</i>

(b). By the above direction, the Hon'ble Commission sought to reduce the cross subsidy of the EHT category to 2 % and that of HT category to 5 % during FY 2012-13. However, this Road Map proposed by the Hon'ble Commission is in contravention to the provisions of Section 61(g) of the Electricity Act of 2003 and the National Tariff Policy, wherein it was specified that the distribution tariff shall be within +/- 20 percent of the average cost of supply.

(c.) The MeECL therefore petitioned the Hon'ble Commission to kindly approve the tariff for FY 2012-13 in accordance with the provisions of Section 61(g) of the Electricity Act of 2003 and the National Tariff Policy, that is, the distribution tariff is kept within + 20 percent of the average cost of supply for HT and EHT categories.

#### 14. **Kvah Billing for HT and EHT consumers**

The MeECL proposes to introduce Kvah billing for all HT & EHT consumers. The reason for the proposal is given below:

The alternating current (AC) power consists of two components – Reactive and Active – and it is only the active component that is useful energy. It is, therefore, important that reactive component is minimized as it contributed to the  $I^2R$  loss in the system. This requires that the Power Factor (ratio of active to total power) be kept as close to unity as possible.

Although, the system configuration (i.e. the transmission and distribution system) also influences the power factor, the key determinant is the Load characteristic at the consumer end. Loads such as induction motors and lighting sources using arc tube technology (such as CFLs) which have inherently low power factors. As a result, if 1 MVA of energy is supplied to these loads, they actually use only 0.7 – 0.8 MW and the balance 20-30% represents loss. This not only affects the economics of the utility but in a power-scarcity situation it also deprives others from gainfully using the energy. In other words, if power factor is improved from an average of 0.8 to 0.88 it would imply that MeSEB would be able to supply 0.7 MU per MVA per annum of additional energy to the state without incurring any additional expenditure.

Power factor may be improved significantly by adding optimum capacitance and is obviously implies that the consumers have to make investment. Although, the MeSEB has been persuading the consumers in this regard, the improvement is not significant as the tariff structure has insufficient incentive to justify the additional investment.

The MeECL proposes to move away from the present KWH billing to KVAH billing. This would give an incentive to the consumer to lower their energy bills for a given consumption by improving the power factor through capacitive correction. The concept is also intended to bring about significant improvement in voltage profile and quality and reliability on grid supply. The main advantage will be low reactive power in the system leading to reduced system technical loss. The MeECL had received an application from one such HT consumer, i.e., Pioneer Carbide, requesting for incentives for improvement of power factor. A copy of the application is enclosed as **ANNEXURE F**.

Accordingly, the MeECL petition the Hon'ble Commission to kindly **approve this proposal for Kvah billing for HT and EHT consumers**, as this would be hugely beneficial to both the MeECL and the consumers. KVAH billing for EHT & HT supply has already been introduced in Delhi, Himachal Pradesh, Jammu & Kashmir and Uttarakhand. The tariff of the above mentioned states is enclosed in **ANNEXURE G**. In this petition, the proposed energy charge (P/U) for HT & EHT categories implies energy charge per Kvah.

## DETAILS OF EXISTING TRANSMISSION LINES AS ON 31.03.2011

Sl. No.	Name of the line	No. of Circuit	Total line length (in Km)	Year of commissioning
<b>a</b>	<b>220 KV LINES :</b>			
1	Misa - Byrnihat	D/C	113.409	20.04.2010
	<b>Total line length (220 KV) :</b>	<b>-</b>	<b>113.409</b>	<b>-</b>
<b>B</b>	<b>132 KV LINES :</b>			
1	132kV NEHU - Khliehriat -I	S/C	52.564	1991
2	132kV Stage - I - Mawlai line	S/C	12.051	1964
3	132kV Stage - I - Umiam substation line	S/C	5.037	1991 & Dec'2007
4	132kV Umiam substation - NEHU line	S/C	5.830	1991 & Dec'2007
5	132kV Stage - III - Stage -IV line	S/C	8.018	1991
6	132kV Stage - I - Stage -II line	S/C	3.000	1969
7	132kV Nangalbibra - Tura line	S/C	68.706	1986
8	132kV Khliehriat - Lumshnong S/s line	S/C	25.280	1971 & 2005
9	132kV Lumshnong S/s - Ratacherra(Badarpur) line	S/C	23.400	1971 & 2005
10	132kV NEHU (Belfonte)-NEHU substation line	S/C	6.950	1996
11	132kV NEHU Substation - NEIGRIHMS line	S/C	6.725	1991
12	132kV NEIGRIHMS - Khliehriat line	S/C	62.825	1991
13	132kV Mawngap - Nongstoin line	S/C	59.300	1981
14	132kV Nongstoin - Nangalbibra line	S/C	56.700	1981
15	132kV Mawngap - Cherra line	S/C	29.195	1978
16	132kV Stage-III - Stage -IV (Second Circuit) line	S/C	9.690	14.04.2009
17	132kV Khliehriat - PGCIL , Deinshynrum Line -II	S/C	5.350	07.09.2006
18	132kV Lumshnong to M/S CMCL	S/C	0.300	2002
19	132kV Lumshnong to M/S MCL	S/C	3.270	15.02.2006
20	132kV Lumshnong to M/S JUD Cements	S/C	1.871	28.01.2009
21	132kV Lumshnong to M/S Hill Cements	S/C	5.500	Nov'2009
22	132kV Lumshnong to Adhunik Cements	S/C	3.636	February'10
	<b>Total line length(132kV S/C):</b>	<b>S/C</b>	<b>455.198</b>	
18	132kV Umtru - EPIP - II line	D/C	0.700	2007
19	132kV EPIP - I - EPIP - II line	D/C	3.030	2003
20	132kV Mawlai - Mawngap line	D/C	11.876	1977
21	132kV Mawlai(Belfonte) - NEHU line	D/C	2.230	1996
22	132kV Stage - I P/S - Stage - III P/S line	D/C	17.539	1978
23	132kV Stage - III P/S - Umtru P/S line	D/C	41.212	1964
24	132kV Umtru P/S - Bashista(Kahelipara) line	D/C	11.683	1964
25	132kV Stage -IV - Umtru P.S. line	D/C	29.860	2007 & 25.02.2010
26	132kV Umtru P.S. - Sarusajai line	D/C	17.720	2007 & 25.02.2010
27	132kV Leshka H.E.P. - Khliehriat line	D/C	26.470	Jan'2010
28	132kV Killing - EPIP-II line	D/C	10.11	27.12.2010
29	132kV Lumshnong to M/S Hill Cements & Adhunik Cements	D/C	3.810	November'09
	<b>Total line length (132kV D/C):</b>	<b>D/C</b>	<b>176.240</b>	

## EHV SUBSTATIONS AS ON MARCH'2011

Sl. No.	Name of the Substation	Voltage ratio	Capacity (MVA)	No. of Transformer	Total capacity	Year of commissioning
<b>A</b>	<b>220/132 KV</b>					
1	Sarusajai	220/132 KV	100	1	100	June'2005
2	Killing	220/132 KV	160	2	320	25.01.2011
	<b>Total Capacity</b>			<b>1</b>	<b>420</b>	
<b>B</b>	<b>132/33 KV &amp; 132/33/11 KV &amp; 132/11 KV</b>					
1	Mawlai	132/33KV	20	3	60	1965
2	NEHU	132/33KV	20	2	40	1996
3	NEIGRIHMS	132/11KV	10	2	20	2005
4	Khliehriat	132/33KV	20	2	40	1967(earlier 3 x 3.5MVA). 20 MVA transformer installed in 2002 & second 20 MVA transformer installed in 05.07.2006
5	Lumshnong	132/33/11KV	10	1	10	2004
6	Cherra	132/33KV	12.5	1	12.5	1978
7	Nongstoin	132/33KV	12.5	1	12.5	2002
8	Umiam	132/33KV	20	1	20	16.06.2008
9	Rongkhon	132/33KV	20	1	20	5MVA augmented to 20 MVA on 04.10.2004
		132/33KV	5	3	15	1987
		132/33KV	5	1	5	Dec'2009
10	Nangalbibra	132/33KV	12.5	2	25	1983 & 20.11.2007
11	EPIP-I (Rajabagan)	132/33KV	20	2	40	02.09.2003 & 13.04.2004
12	EPIP-II(Norbong)	132/33KV	50	1	50	01.02.2007
		132/33KV	20	1	20	12.10.2007
	<b>Total Capacity( 132/33 KV) :</b>			<b>24</b>	<b>390</b>	
	<b>Grand Total Capacity (A + B) :</b>			<b>25</b>	<b>810</b>	

**ANNEXURE-III**

**GENERATION UNITS (WORK IN PROGRESS):**

Sl. No.	Name & Location	Capacity (MW)	Approved Cost	Financing Pattern	Year of Commencement	Schedule Date of Commissioning
			(Rs. in Crore)			
1	Leshka HEP	42 (1st Unit)	965.93	Debt : Equity = 70:30	2004	December - 2011
		42 (2nd Unit)				January – 2012
		42 (3rd Unit)				June - 2012
2	New Umtru	20 (1st Unit)	226.40	HUDCO = 70% DONER = 30%	April 2007	April 2013
		20 (2nd Unit)				March-2013
3	Lakroh SHP	1.5	11.75	MNES- Rs. 675 Lakhs NEC - Rs. 500 Lakhs	2003	March-2012

**TRANSMISSION LINES (WORK IN PROGRESS):**

Sl. No.	Name of the scheme/Project and location		Voltage level (KV)	No. of Ckt. (SC/DC)	Ckt. km.	Approved cost (Rs. In Lakhs)	Financing Pattern	Year of commencement	Schedule date of commissioning	Remarks
	From	To								
1	LILO of one circuit of 400 kV Palatana-Bongaigaon line at Killing alongwith augmentation of the existing 220/132 kV Killing substation		400	DC	4.6	9348.00	Grant:Loan = 90:10	06.07.11	January'14	NLCPR
2	Agia	Nangalbibra	132	SC	92.15	4332.00	Grant:Loan = 90:10	2007	March'12	NEC
3	Rongkhon	Ampati	132	SC	29.56	3079.33	Grant:Loan = 90:10	2011	March'12	NLCPR
4	132kV D/C LILO of Agia - Nangalbibra line at Mendipathar		132	DC	2.8	499.65	Grant:Loan = 90:10	2011	March'12	NEC
5	132kV D/C LILO of Mawlai - Cherra line at Mawngap(Mawphlang)		132	DC	3.69	496.74	Grant:Loan = 90:10	2011	Dec'11	NEC
6	132kV D/C LILO of Mawlai - Nangalbibra line at Mawngap(Mawphlang)		132	DC	1.3	494.00	Grant:Loan = 90:10	2011	March'12	NEC
7	Killing substation	EPIP-I substation, Byrnihat	132	multi circuit	5.86	1215.00	Grant:Loan = 90:10	2011	March'12	SPA
8	Stage-I power station, Sumer	Mawngap	132	DC	33.072	2729.00	Grant:Loan = 90:10	2007	Dec'11	SPA

**GRID SUB-STATION (WORK IN PROGRESS):**

Sl. No.	Name of the substation	Voltage ratio	Capacity (MVA)	No. of units	Total MVA	No. of feeder (33kV)	Approved cost (Rs. In Lakhs)	Financiag pattern	Year of commencement	Schedule date of commissioning
1	Killing	400/220kV	315	2	630	-	Included in Sl. No. 1 of Anx-III-A	NLCPR	2011	2013
2	Agia	220/132kV	100	1	100	-	1143	NEC	2007	2012
3	Umiam*	132/33kV	20	1	20	2	479.72	NEC	2009	2011
4	Mawngap	132/33kV	20	2	40	2	Included in Sl. No. 8 of Anx-III-A	SPA	2007	2011
5	Mendipathar	132/33kV	20	2	40	4	471	NEC	2010	2012
6	Ampati	132/33kV	25	2	50	2	Included in Sl. No. 3 of Anx-III-A	NLCPR	2011	2012
7	Augmentation of 132kV substation at Rongkhon from 35MVA to 50MVA	132/33kV	20	1	20	-	469.07	NEC	2011	2011
8	Installation and commissioning of communication network and RTUs' at 132kV substation for SCADA of MeECL	-	-	-	-	-	395.43	NEC	2013	2013

\* Work of 2<sup>nd</sup> Unit in progress.

GOVERNMENT OF MEGHALAYA  
POWER DEPARTMENT

ORDERS BY THE GOVERNOR

NOTIFICATION



Dated Shillong, the 19<sup>th</sup> May, 2011.

NO.PE.79/09/372 - In exercise of the powers conferred by Section 131 & 133 and other applicable provisions of the Electricity Act, 2003, (Central Act. No.36 of 2003) the Governor of Meghalaya authorizes that the transfer scheme of the Meghalaya Energy Corporation Limited be extended for another period of 1(one) year with effect from 1.04-2011.

Sd/-

Addl. Chief Secretary to the Govt. of Meghalaya,  
Power Department.

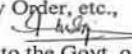
Memo No.PE.79/09/372-(A),

Dated Shillong, the 19<sup>th</sup> May, 2011.

Copy to :-

1. Chairman-cum-Managing Director, Meghalaya Energy Corporation Limited, Shillong.
2. Chairman, Meghalaya State Electricity Regulatory Commission, Shillong.
- ✓ 3. Director, (Corporate Affairs) Meghalaya Energy Corporation Limited, Shillong.
4. Director of Printing & Stationery for publishing in the next issue of the Gazettee and to supply this Deptt. with 20 (twenty copies)
5. Guard file.

By Order, etc.,

  
Under Secretary to the Govt. of Meghalaya,  
Power Department.

172  
15/11

167  
24/5/11

CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. 142/2011 (Suo Motu)

Date of Order: 23<sup>rd</sup> August, 2011

IN THE MATTER OF

Determination of Forbearance and Floor Price for the REC framework to be applicable from  
1<sup>st</sup> April 2012.

**ORDER**

A. **BACKGROUND**

1. In exercise of the power under section 66 and 178 of the Electricity Act, 2003, the Commission has notified the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 (hereafter REC Regulations).
2. As per the first proviso to clause (1) of Regulation 9 of the REC Regulations, the Commission may in consultation with the Central Agency (Power System Operation Corporation Limited) and Forum of Regulators from time to time provide for floor price and forbearance price separately for Solar and Non-solar Renewable Energy Certificates.
3. Further, Clause (2) of Regulation 9 of the REC Regulations provides for the guiding principles for determining the forbearance and floor price for solar and non- solar Certificates. The relevant provisions are extracted as under:

"9. ***Pricing of Certificate:***

(1) *The price of Certificate shall be as discovered in the Power Exchange:*

*Provided that the Commission may, in consultation with the Central Agency and Forum of Regulators from time to time provide for the floor price and forbearance price separately for solar and non-solar Certificates.*

(2) *The Commission while determining the floor price and forbearance price shall be guided inter alia by the following principles:*

(a) *Variation in cost of generation of different renewable energy technologies falling under solar and non-solar category, across States in the country;*

(b) Variation in the Pooled Cost of Purchase across States in the country;

(c) Expected electricity generation from renewable energy sources including:-

i. expected renewable energy capacity under preferential tariff

ii. expected renewable energy capacity under mechanism of certificates;

(d) Renewable Purchase obligation targets set by State Commissions”

4. The Commission earlier came out with an Order dated 1st June, 2010 for 'Determination of Forbearance and Floor Price for the REC framework' (Suo Motu Petition No.99/2010) and provided forbearance price and floor price for dealing in Certificates under the REC Regulations:

	Non solar REC (₹/ MWh)	Solar REC (₹/ MWh)
<b>Forbearance Price</b>	3,900	17,000
<b>Floor Price</b>	1,500	12,000

5. Above determined forbearance price and floor price are valid for the control period upto FY 2012. For determination of forbearance and floor Price for the REC framework for the next control period i.e. from 1<sup>st</sup> April 2012 onwards, the Commission vide its Suo Motu Order (No.142 / 2011) dated 13<sup>th</sup> June, 2011 proposed the following forbearance and floor price and invited comments and suggestions on the same:

	Non solar REC (₹/ MWh)	Solar REC (₹/ MWh)
<b>Forbearance Price</b>	3480	13690
<b>Floor Price</b>	1400	9880

6. As required under proviso to Regulation 9 (1) of REC Regulations, the Commission has also consulted the Forum of Regulators (FOR) and the Central Agency vide letter number 1/3/2009 Reg. Affairs (RE Tariff-FY-1010-11)(ii)/CERC dated 14<sup>th</sup> June, 2011.

7. 39 stakeholders have submitted their comments / suggestions in response to the Suo Motu Order (No.142 / 2011) dated 13th June, 2011 proposing forbearance & floor prices for REC to be applicable from 1<sup>st</sup> April 2012. List of such stakeholders is attached as Annexure-1.
8. A public hearing was held on 19<sup>th</sup> July, 2011. Ten participants presented their comments / suggestions during public hearing. List of such participants is attached as Annexure-2.

**Consideration of the views of the stakeholders & analysis and findings of the Commission on important issues**

9. The Commission considered the comments of the stakeholders, views of the participants in the public hearing on the proposed floor and forbearance prices. Analysis of the important issues and findings of the Commission thereon are discussed in the subsequent paragraphs. Other comments of the stakeholders and observations thereon are enclosed as Appendix-A.

**Comments/Suggestions received and Commission's decision thereon**

**10. Average Power Purchase Cost (APPC)**

- (a) Some State Electricity Regulatory Commissions (SERCs) suggested that the Average Power Purchase Cost (APPC) used for calculating the forbearance and floor prices for REC should be updated as per the recent tariff orders issued by the respective SERCs. Some of the stakeholders suggested that State to State variation in APPC should be considered instead of escalation of previous year APPC of each State with the average CAGR of the power purchase cost data of previous years, to arrive at the value of APPC for FY 2011-12. One of the stakeholders has suggested that the short term prices in India are going down, therefore, the escalation should not be considered for computation of APCC for next control period.
- (b) The Commission noted the comments related to APPC and has accordingly updated the APPC, as per the latest available ARR orders for the FY 2011-12 and

information submitted by SERCs. In the absence of latest tariff order for the FY 2011-12, in order to arrive at the APPC for FY 2011-12, the commission has considered an escalation factor which is the lowest among average CAGR, State specific CAGR (of the power purchase cost data of previous years as per PFC report), year on year escalation factor derived from APPC data of FY 2009-10 and 2010-11.

#### **11. Control Period**

- (a) According to the most of the stakeholders there is a need for longer term control period as RE project developers as well as lenders seek a long term visibility to make necessary decision for participating in the REC mechanism upon evaluating price risk and off take risk. Suggested trajectories are: 3 to 5 years, 5 years (to coincide with the 12<sup>th</sup> Plan Period), 7 to 10 years (to match with average loan period), 10 to 15 years and life time of the project.
- (b) The Commission noted the suggestions and has appreciated the need for longer term visibility for certainty and comfort for financial closure of the projects. The Commission has therefore, decided that the next control period starting for REC price band shall be of 5 years from 1<sup>st</sup> April 2012. In other words, the forbearance and the floor price determined under this order will remain applicable for 5 years from 1<sup>st</sup> April 2012. The Commission is of the view that 5 years control period will reduce regulatory uncertainty and provide comfort to investors and lenders. The Commission is also of the view that the control period longer than 5 years will not recognize any possible decline in renewable energy tariff due to technological improvement and likely increase in APPC due to marginal cost of power procurement from new facilities as well as increase in fuel cost of old facilities.

#### **12. Non Solar Floor Price**

- (a) Some of the stakeholders suggested that the REC floor price should be restored to the originally announced prices as any reduction might dent investor's confidence in

the mechanism. Some of the stakeholders requested to follow the methodology as followed in the previous order for determination of floor price i.e. as per NAPCC target instead of MNRE target, and accordingly the floor price should be increased. Some stakeholders suggested that the highest difference in the APPC and viability tariff for determination should be considered as followed in determination of solar floor price, otherwise renewable energy technologies whose difference between viability price and APPC is greater than Rs. 1.4-1.5 /kWh would make such technologies unviable under REC mechanism. Some SERCs suggested that floor and forbearance prices should be calculated also based on the RE tariff applicable to respective States.

- (b) The Commission has noted the comments, and appreciates the concern raised against lowering of floor price and its likely impact on investment in RE sector. The Commission agrees that due weightage should also be given to NAPCC RE generation target while arriving at the floor price. Therefore, the Commission has, for computing floor price, used the target RE generation based on the average of renewable energy target as per NAPCC and MNRE for non solar technology which is around 70000 MUs. As regards the reference RE tariff for computation of floor and forbearance prices, the Commission has considered, as in the past CERC RE tariff for the sake of uniformity.

### **13. Non Solar Forbearance Price**

- (a) Some of the stakeholders suggested that the forbearance level should be brought down to ₹3000 per REC and floor level should be increased to ₹2120 per REC as the lower gap between the floor and forbearance would attract buyers to fulfill their obligations during initial month. Many stakeholders submitted that proposed non-solar forbearance price would effectively reduce the penalty imposed on obligated entities for non-implementation of RPOs and suggested that it should be maintained

at the price applicable for control period up to March, 2012. Some of the stakeholders have requested that the highest difference in unit price should be rounded off to the next ten's. One of the stakeholders has suggested that the forbearance price will be increased from ₹ 3.48 /kWh due to the fact that short term prices in India are going down and renewable energy tariff will be increased in future due to significant escalation in cost of materials such as steel, cement, finance cost and other direct or indirect cost.

- (b) The Commission has considered the comments received related to non solar floor price. The Commission notes that APPC of almost all States has increased during the last two years. Therefore, the Commission has decided to retain the methodology opted earlier i.e. the highest difference between the renewable energy tariff for non solar technologies and the APPC across the States for determination of the forbearance price for non-solar technologies. The Commission appreciates the concern that given the linkage between forbearance price and compliance charge (which is used as deterrent against non-compliance of RPO fixed by SERC), lowering of forbearance price might dilute the impact of deterrence. However, the Commission cannot ignore the interest of buyers as well by raising the forbearance price to a level which cannot be supported by the fundamental principle of determination of forbearance price (i.e. the principle of arriving at forbearance price based on difference between RE tariff and APPC). Providing adequate deterrence against non-compliance of RPO being the responsibility of the State Commission, the Commission would leave it to the judgement of the SERCs to address this concern.

#### **14. Solar Floor Price and Solar Forbearance Price**

- (a) Some of the solar PV developers suggested that the determination of floor and forbearance price for the next control period has been carried out meticulously and

proposed floor and forbearance price for solar REC is correctly set. While according to solar thermal developers, Solar floor price should be retained at ₹ 12000/MWh and forbearance price can be fixed at ₹ 13690/MWh. They have extended the following arguments in support of their claim:- (a) minimum requirements for solar PV and Thermal for the year 2012-13 to 2014-15 work out to ₹ 14/kWh and ₹ 13.58/kWh instead of ₹ 11.22/kWh and ₹ 11.59/kWh respectively; (b) substantially low PLF for solar thermal plants in operation; (c) cost of solar thermal has not yet gone down since no indigenization has taken place so far in India; (d) competitive bidding has presented distorted picture of solar energy costing.

(b) It is to be noted that while determining solar floor and forbearance price, the Commission has considered the solar tariff as determined by the Commission and not as derived under the NVVN competitive bidding. Further, the Commission has considered the levelled value for tariff and minimum requirement. Based on the comments received related to solar floor and forbearance price, the Commission has decided to retain the methodology opted earlier i.e. the highest difference between the renewable energy tariff for solar technologies and the APPC across the States for determination of the forbearance price for solar technologies and the highest difference in the APPC and viability tariff for determination of solar floor price. However, for the purpose of calculation of levelled repayment in ₹ per unit for arriving at minimum requirement for solar thermal, the base CUF has been corrected to 23% as against 19% used in the order proposing solar floor and forbearance price.

**15. Other Comments:**

Suggestions on issues other than above are beyond the scope of the present proposition.

16. After consideration of the comments/suggestions of stakeholders, the Commission by this order determines the forbearance price and the floor price under the REC framework for the control period starting from 1<sup>st</sup> April, 2012, based on the following principles:-

- (a) **RE target:** The target for RE generation (year 2012-13) has been taken as average of renewable energy requirement as per the NAPCC and as per the MNRE Report on "Renewable Energy in India: progress, Vision and Strategy.
- (b) **Additional RE capacity addition:** To develop scenarios for future state level RE technology specific supply, for each RE technology across select states, the growth in capacity has been projected based on the Cumulative Aggregate Growth Rate (CAGR) for that RE technology in the states based on the past 5 years performance, current achievement, MNRE/Gol's 11<sup>th</sup> and 12<sup>th</sup> Plan Targets for Capacity Addition in RE and the untapped potential available in the State. Year 2011 has been taken as a base year for projection of capacity addition from RE.
- (c) To estimate additional generation at the state level in the years 2011-12 and 2012-13, the capacity added under a specific RE technology has been multiplied by the Capacity Utilisation Factor of the RE technology, as per the CERC RE Tariff Regulations 2009, for the sake of uniformity.
- (d) **Cost of Generation/RE tariff:** Costs of Generation/ RE Tariff for different technologies for FY 2011-12 have been assumed as per the CERC RE Tariff Regulations 2009, for the sake of uniformity.
- (e) **Average Power Purchase Cost (APPC):** The APPC for a state represents the weighted average pooled power purchase by distribution licensees (without transmission charges) in the state during the financial year 2011-12.
- (f) **Forbearance Price:** The forbearance price has been derived based on the highest difference between cost of generation of RE technologies / RE tariff and the average power purchase cost of 2011-12 for the respective states.
- (g) **Floor Price:** The floor price has been determined keeping in view the basic minimum requirements for ensuring the viability of RE projects set up to meet the RE targets. This viability requirement shall cover loan repayment & interest

charges, O&M expenses and fuel expenses in case of Biomass and Cogeneration.

17. In pursuance of the provisions specified in the Regulation 9 (2) of REC Regulations, the forbearance and floor prices for Solar and Non- Solar REC have been evolved based on following assumptions.

**(a) Non-solar Forbearance price:**

- i. The highest difference between the Costs of Generation (RE Tariff) and the APPC has been specified as the forbearance price for non-solar technologies. The highest difference has been rounded off to the next hundred's (or next ten's in case of unit price), to arrive at the forbearance price of ₹ 3300/MWh (Annexure - 3).

**(b) Non – Solar Floor Price :**

- i. The difference between the project viability requirement and APPC is arranged in ascending order (Rs/kWh) for different RE technologies across states. The expected generation (MUs) from RE technology in a particular state is mapped with the respective difference between the project viability requirement and APPC.
- ii. In this case floor price has been taken as the price (difference between feasibility requirement and APPC) at which the target RE generation of 70000 MUs (average of renewable energy target as per NAPCC and MNRE vision Report 2010 for non solar technology) will be realized. The difference at this point has been rounded off to the next hundred's (or next ten's in case of unit price), to arrive at the floor price of ₹ 1500/MWh (Annexure - 4).
- iii. This approach for floor price is considered adequate as the objective is to ensure that the basic minimum requirements (in terms of recovery of cost) of the target generation are met.

**(c) Solar Forbearance price**

- i. This has been derived based on the highest difference between the Solar PV/Thermal tariff for 2011-12 and the APPC of 2011-12 across states. The highest difference in unit price has been rounded off to the next hundred's (or next ten's in case of unit price), to arrive at the forbearance price of ₹ 13400/MWh (Annexure - 5).

**(d) Solar Floor price**

- i. The floor price of solar RECs has been calculated based on the project viability approach. The project viability approach covers the cost required to meet viability parameters including O&M, interest, principal repayment etc.
- ii. The highest difference between the minimum requirement for project viability of Solar PV/Thermal and respective state APPC of previous year (2011-12) has been considered as floor price. The highest difference has been rounded off to the nearest hundred's (or next ten's in case of unit price), to arrive at the floor price of ₹ 9300/MWh (Annexure - 5).

18. Based on the above principles, the following forbearance price and floor price are prescribed for dealing in Certificates under the REC Regulations:

	Non solar REC (₹/ MWh)	Solar REC (₹/ MWh)
<b>Forbearance Price</b>	3300	13400
<b>Floor Price</b>	1500	9300

19. The above stated forbearance and floor prices shall remain valid for the control period upto financial year 2016-17.

Sd/-  
( M. Deena Dayalan )  
Member

Sd/-  
( V.S. Verma )  
Member

Sd/-  
( S. Jayaraman )  
Member

Sd/-  
( Dr. Pramod Deo )  
Chairperson



Ref: - PTC/MTFG/PX/ 10486

Dated - 24<sup>th</sup> November, 2011

To,  
Shri K.N. War,  
Superintending Engineer (RA&FD)  
Meghalaya Energy Corporation Limited  
Lum Jingshai, Short Round Road,  
Shillong, Meghalaya-793001.

Subject: Purchase of Solar Energy by Meghalaya Energy Corporation Limited (MeECL)  
Ref: MeECL's Letter no. MeECL/SE(RA)/47/2011-12/19(a) dated 21<sup>st</sup> November, 2011

Dear Sir,

This is further your letter dated 21<sup>st</sup> November, 2011 on the subject matter. We thank you for showing interest in purchase of Solar power through PTC.

We would like to inform you that as mentioned during our presentation held on 25<sup>th</sup> July, 2011 in Shilong, PTC explored the market for arranging solar power supply to MeECL. However, no solar developer is available for supply of 3 MU of solar energy for one year, which was also communicated to MeECL during various telephonic communications held with PTC. We understand that the said solar power requirement is for fulfillment of the Renewable Purchase Obligation (RPO) of MeECL and looking at the current scenario it would be advisable to MeECL for purchase of Solar Renewable Certificates through power exchange. PTC would be happy to add the services of trading of RECs on power exchange by MeECL to our present services of trading of power by MeECL on power exchange through PTC.

We would further like to submit that PTC considers MeECL as one of our most esteemed clients and is constantly making efforts for arranging the said solar power supply to MeECL. As soon as we come across any such opportunity of solar power, we shall inform MeECL with the same.

Assuring you our best of services.

Thanking you,

Yours faithfully,

(Harish Saran)  
Executive Vice President

CC: -Shri C.D.Saio, Member (Tech), Meghalaya State Electricity Board, Lum Jingshai, Short Round Road, Shillong, Meghalaya-793001  
-Shri A Kharpan, Superintending Engineer, State Load Despatch Centre, Meghalaya Energy Corporation Limited, Lum Jingshai, Short Round Road, Shillong, Meghalaya-793001.

PTC India Limited  
(Formerly known as Power Trading Corporation of India Limited)  
2nd Floor, NBCC Tower, 15 Bhikaji Cama Place New Delhi - 110 066 Tel: 011-41659138, 41659500. Fax: 011-41659504  
E-mail: harishsaran@ptcindia.com Website: www.ptcindia.com

**MEGHALAYA ENERGY CORPORATION LIMITED**  
**Corporate Affairs**  
 LUM JINGSHAI, SHORT ROUND ROAD, SHILLONG 793 001, MEGHALAYA

No.MeECL/CA/307/2010/8

30 March 2011

**NOTIFICATION**

The Meghalaya Energy Corporation Limited, in accordance with the Notification No. MSERC/08/2011/1 dated 10<sup>th</sup> February 2011 issued by the Meghalaya State Electricity Regulatory Commission and published in the gazette of Meghalaya (Extraordinary) on the 16<sup>th</sup> February 2011, hereby notify that in the event of the Licensee being unable to supply power to HT & EHT consumers as per contract demand, the Fixed/Demand Charge per KVA payable by the aforesaid consumers shall be regulated as indicated hereunder, with effect from the billing month March 2011.

$$C = \text{Percentage of average monthly supply to Contract Demand} \\ = \frac{b \times t \times 100}{a \times T} \text{ per cent;}$$

where,

1.  $a$  = Contract demand in KVA
2.  $b$  = Average load supplied to the consumer during the month in KVA,
3.  $T$  = Contracted duration of daily supply in hours,
4.  $t$  = Average duration of daily supply during the month in hours

Provided, further, that if C is equal to, or more than 75 per cent of the contract-demand, such consumers shall be liable to pay fixed charges at tariff rates as stipulated in the distribution tariff order in force, in addition to stipulated energy charges for energy actually consumed at full rates; but, if C is less than 75 per cent of the contract-demand, such consumer shall be liable to pay fixed charges at C per cent of the fixed charge rate as stipulated in the distribution tariff order in force, in addition to stipulated energy charges for energy actually consumed at full rates.

*Sd/-*  
 (M.R. Synrem)  
 Director Corporate Affairs

Memo.No.MeECL/CA/307/2010/8(a)

30 March 2011

Copy to:

1. The P.S. to the Chairman-Cum-Managing Director, MeECL, for kind information of the Chairman.
2. All Directors, MeECL, Shillong.
3. All Chief Engineers/Principal Chief Engineer(C)/Chief Project Manager/Director, HRDC, MeECL.
4. All Additional Chief Engineers, MeECL. (Com)
5. The Chief Accounts Officer, MeECL, Shillong.
6. All Deputy Chief Accounts Officers, MeECL
7. All Deputy Director, HRDC/Chief Executive Officers, MeECL.
8. The Public Relations Officer, MeECL, Shillong.
9. All Senior Accounts Officers, MeECL.
10. All Executive Engineers/Deputy General Managers, (Distribution/Revenue), MeECL.
11. All Assistant Executive Engineers/Area Managers, (Distribution/Revenue), MeECL.
12. All Officers, Corporate Affairs, MeECL, Shillong.
13. Guard File

*Sd/-*  
 (M.R. Synrem)  
 Director Corporate Affairs

"SAVE ENERGY FOR BENEFIT OF SELF AND NATION"



Meghalaya Energy Corporation Limited  
Office Of The Assistant Executive Engineer  
Ri Bhol Revenue Sub Division: Byrnihat

*Save Energy For Benefit of Self And Nation*

NO: MeECL/RSD/BNT/T-01 / 2010-11/260

Dt: 12<sup>th</sup> July, 2011.

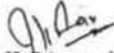
To: The Assistant Executive Engineer,  
Khasi Hills Revenue Billing Sub-Division,  
MeECL, Shillong.

Sub: Submission of DI sheet for the month of June, 2011.

Sir,  
With reference to the above, please find herewith the DI sheet along with reading sheet for Major Alloy's consumer for the month of June, 2011.

This is for your kind information and necessary action.

Yours Faithfully,

  
(D.K. Srivastav)  
Assistant Executive Engineer  
Ri Bhol Revenue Sub Division  
Me.E.C.L, Byrnihat

Memo NO: MeECL/RSD/BNT/T-01/ 2010-11/260

Dt: 12<sup>th</sup> July, 2011.

Copy to:

1. The Chief Executive Officer, Western Circle, MeECL, Umiam for favour of your kind information
2. The Executive Engineer, Western Revenue Division, MeECL, Umiam for favour of your kind information.

ASSISTANT EXECUTIVE ENGINEER

RI-BHOI REVENUE SUB-DIVISION, BYRNihat  
 DYNAMIC INFORMATION FOR THE MONTH OF June YEAR 2011

CONSUMER CODE RT: CON. DEN.	CONSUMER NAME AND ADDRESS	PRESENT READING AND DATE	AMOUNT RECEIVED RT. NO. & DATE.	REMARKS
HT-HT/101 HTR4000.00 KVA	M/S JAI KAMAKHYA ALLOYS(P)Ltd. UNTRU ROAD, BYRNihat	KWh 5729.23 KVAh 6568.79 KVA 0.632	Rs. 5453936.00 Rt. 334169 dt. 24.06.11	C = 41.92
HT-HT/109 HTR3000.00 KVA	M/S KAMAKSHI ISPAT Pvt.Ltd., E.P.I.P., BYRNihat	KWh 1119.23 KVAh 1238.59 KVA 0.245	Rs. 1589114.00 Rt. 334182 dt. 24.06.11	C = 24.09
HT-HT/112 HTR1000.00 KVA	M/S BYRNihat ISPAT Pvt.Ltd.,(11 UNTRU ROAD, NORBONG, BYRNihat	KWh 928.52 KVAh 1113.22 KVA 0.226	Rs. 414819.00 Rt. 334189 dt. 24.06.11	C = 14.12
HT-HT/113 HTR5000.00 KVA	M/S F.U. FERRO TECH Pvt.Ltd., E.P.I.P., BYRNihat	KWh 2985.02 KVAh 3334.09 KVA 0.548	Rs. 2570760.00 Rt. 334173 dt. 24.06.11	C = 18.92
HT-HT/23 HTR1650.00 KVA	M/S SURYA ALLOY INDUSTRIES(P)Ltd. 13TH.MILE BYRNihat	KWh 7383.69 KVAh 7761.86 KVA 0.164	Rs. 1518692.95 Rt. 334184 dt. 24.06.11	C = 19.67
HT-HT/24 HTR3000.00 KVA	M/S SATYAM ALLOYS 13TH.MILE TANULKUCHI	KWh 5160.69 KVAh 5934.61 KVA 0.809	Rs. 2457645.00 Rt. 334181 dt. 24.06.11	C = 14.51
HT-HT/25 HTR5000.00 KVA	M/S PURDANCHAL ALLOYS Ltd. E.P.I.P. AREA BYRNihat	KWh 4003.78 KVAh 4621.28 KVA 0.882	Rs. 5000000.00 Rt. 334197 dt. 30.06.11	Rs. 20.00,000.00 Rt. 334202 dt. 12.07.11
HT-HT/33 HTR7300.00 KVA	M/S SHREE SAI PRAKASH ALLOYS Pvt.Ltd., 15H.MILE, BYRNihat	KWh 1571.66 KVAh 1781.42 KVA 0.124	Rs. 10955906.00 Rt. 334165 dt. 14.06.11	Rs. 13394627.00 Rt. 334198 dt. 30.06.11

AGE NO : 2

KI-BHOI REVENUE SUB-DIVISION, BYRNihat  
 DYNAMIC INFORMATION FOR THE MONTH OF June YEAR 2011

CONSUMER CODE (CAT: CON.DEN.)	CONSUMER NAME AND ADDRESS	PRESENT READING AND DATE	AMOUNT RECEIVED RT.NO. & DATE.	REMARKS	DE NO : 3
BNT-HT/45 INTR 295.00 KVA	M/S.JAINTIA ALLOYS PVT.LTD. TAMALKUCHI BYRNihat	KWh KVAh KVA	Rs. 22657.00 Rt. 334196 dt. 24.06.11		CONSUMER CODE (CAT: CON.DEN.) BNT-HT/61 INTR7500.00 KVA M/ EP: BYI
BNT-HT/47 INTR3000.00 KVA	M/S.PAVAN CASTINGS(MEGHALAYA) Pvt.Ltd., HARLI BAGAN C = 18.36	KWh 1854.44 KVAh 1959.51 KVA 0.171	Rs. 2688317.00 Rt. 334172 dt. 24.06.11	4 = 855.32 A = 1023.26 d = 0.119	BNT-HT/62 INTR1800.00 KVA M/ E.I BYI
BNT-HT/48 INTR 438.00 KVA	M/S.SATYAM STEEL & ALLOYS PVT.LTD. 13TH.MILE,TAMULKUCHI BYRNihat	KWh KVAh KVA			BNT-HT/64 INTR6000.00 KVA M/ E.I RA
BNT-HT/50 INTR2750.00 KVA	M/S.SHIVAM ISPAT & ALLOYS Pvt.Ltd. 13TH.MILE,TAMULKUCHI BYRNihat	KWh KVAh KVA			BNT-HT/66 INTR3000.00 KVA M/ E.I NOI
BNT-HT/52 INTR2000.00 KVA	M/S.MEGHALAYA STEELS Ltd. E.P.I.P.COMPLEX BYRNihat	KWh 3466.20 KVAh 3780.22 KVA 0.488	Rs. 4591220.00 Rt. 334179 dt. 24.06.11	W = 18.83	BNT-HT/67 INTR6350.00 KVA M/ 13 BY
BNT-HT/56 INTR4000.00 KVA	M/S.GITA FERRO ALLOYS (P) LTD, E.P.I.P.COMPLEX BYRNihat	KWh KVAh KVA			BNT-HT/71 INTR3000.00 KVA M/ 13 TA
BNT-HT/57 INTR5000.00 KVA	M/S.BYRNihat ISPAT (P)Ltd. E.P.I.P.COMPLEX, BYRNihat	KWh 1327.32 KVAh 4508.82 KVA 0.333	Rs. 8726426.00 Rt. 334190 dt. 24.06.11	C = 7.42	BNT-HT/72 TR4000.00 KVA M/ UP BY
BNT-HT/59 INTR1204.00 KVA	M/S.SHIVAMI ISPAT & ROLLING MILL Pvt. Ltd BYRNihat	KWh 230249.0 KVAh 258278.0 KVA 13.50	Rs. 470946.00 Rt. 334171 dt. 24.06.11	C = 9.47	

84

CE NO : 3

RI-DHOI REVENUE SUB-DIVISION, BYRNihat  
 DYNAMIC INFORMATION FOR THE MONTH OF June YEAR 2011

CONSUMER CODE AT: (CON. DEN.)	CONSUMER NAME AND ADDRESS	PRESENT READING AND DATE	AMOUNT RECEIVED RT. NO. & DATE.	REMARKS
HT-HT/61 HTR7500.00 KVA	M/S. RAITHAN SHELTERS LTD. EPIP COMPLEX BYRNihat Rs, 200830.00 At, 334188 dt, 24.06.11	KWh 2310782.9 KVAh 2528110.30 KVA 19.16	Rs. 321116.00 At, 334186 dt, 24.06.11	Rs, 5.00 000.00 At, 334187 dt, 24.06.11 C =
HT-HT/62 HTR1800.00 KVA	M/S. SHYAM CENTURY FERROUS Ltd. E.P.I.P. COMPLEX BYRNihat	KWh 8811.0 KVAh 10033.7 KVA 1.3562	Rs, 2317418.00 At, 334175 dt, 24.06.11	C = 50.91
HT-HT/64 HTR6000.00 KVA	M/S. COMMERCIAL IRON & STEEL Pvt. Ltd. E.P.I.P. INDUSTRIAL ESTATE RAJA BAGAN	KWh 3115.22 KVAh 3423.84 KVA 0.420	Rs, 6552028.00 At, 334178 dt, 24.06.11	C = 32.81
HT-HT/66 TR3000.00 KVA	M/S. TRISHUL HI-TECH INDUSTRIES E.P.I.P. INDUSTRIAL ESTATE MORDHONG	KWh KVAh KVA		
T-HT/67 TR6350.00 KVA	M/S. JAINTRA FERRO ALLOYS Pvt. Ltd. 13TH. MILE, TANULKUCHI BYRNihat C = 17.22	KWh 2635.75 KVAh 2869.20 KVA 0. ~	Rs, 6079355.00 At, 334195 dt, 24.06.11	C = 17.88 A = 1891.65 d = 0.573
HT-HT/68 TR3000.00 KVA	M/S. MEGHALAYA CAST & ALLOYS Pvt. Ltd. HARLIDAGAN BYRNihat C = 15.04	KWh 2651.20 KVAh 2875.42 KVA 0.260	Rs, 54,040.00 At, 334164 dt, 10.06.11	Rs, 1915057.00 At, 334171 dt, 24.06.11
HT-HT/71 R4000.00 KVA	M/S. DIMLA ISPAT & ALLOYS (P) Ltd. 13TH. MILE, TANULKUCHI	KWh 3058.31 KVAh 3445.30 KVA 0.336	Rs, 2271812.00 At, 334191 dt, 24.06.11	C = 17.46
HT-HT/72 3000.00 KVA	M/S. H.M. CEMENT (P) Ltd. UPPER DALIAN BYRNihat	KWh 8405.56 KVAh 9314.31 KVA 0.1474	Rs, 3841156.78 At, 334194 dt, 24.06.11	C

CONSUMER CODE (CON.DEN.)	CONSUMER NAME AND ADDRESS	PRESENT READING AND DATE	AMOUNT RECEIVED RT. NO. & DATE.	REMARKS	USER CODE (CON.DEN.)	N/S E.P. NORI
HT-HT/73 RTR5000.00 KVA	M/S.MEGHALAYA CARDIDE & CHEMICALS Pvt.Ltd., E.P.I.P. INDUSTRIAL ESTATE, NORDUNG	KWh KVAh KVA	—		-HT/83 R8000.00 KVA	N/S E.P. NORI
HT-HT/74 RTR4000.00 KVA	M/S.ANIRUDHA STEEL Pvt.Ltd. E.P.I.P. INDUSTRIAL ESTATE NORDUNG	KWh KVAh KVA	—		-HT/89 R4500.00 KVA	N/S E.P. NOR
HT-HT/75 RTR1750.00 KVA	M/S.BRAHM INDIA Pvt.Ltd. E.P.I.P. INDUSTRIAL ESTATE NORDUNG	KWh KVAh KVA	185485.0 205011.0 52.6	C = 10.08	-HT/92 R5000.00 KVA	N/S E.P. BYR
HT-HT/77 RTR5000.00 KVA	M/S.ADHUNIK MEGHALAYA STEEL Pvt.Ltd. E.P.I.P. INDUSTRIAL ESTATE NORDUNG	KWh KVAh KVA	—		-HT/93 R0000.00 KVA	N/S E.P. BYR
HT-HT/79 RTR8000.00 KVA	M/S.MEGHALAYA SOVA ISPAT ALLOYS Lt. E.P.I.P. INDUSTRIAL ESTATE NORDUNG	KWh KVAh KVA	—		-HT/94 R5000.00 KVA	N/S E.P. BY
HT-HT/80 RTR2500.00 KVA	M/S.TRİKUTA FERRO ALLOYS (P) Ltd. E.P.I.P. GATE NO.6 NORDUNG	KWh KVAh KVA	8243.04 7023.54 0.761	Rs, 2202331.00 Rt. 334168 dt. 24.06.11	-HT/95 R4300.00 KVA	N/S E.P. BY
HT-HT/81 RTR1000.00 KVA	M/S.MEOZONE INDUSTRIES Ltd. E.P.I.P. INDUSTRIAL ESTATE NORDUNG	KWh KVAh KVA	205.37 245.69 0.051	Rs, 440306.00 Rt. 334177 dt. 24.06.11	-HT/96 R1000.00 KVA	N/S E.P. NI
HT-HT/82 RTR7250.00 KVA	M/S.SATIYA MEGHA ISPAT(P) Ltd. 15TH.MILE TANULKUCHI	KWh KVAh KVA	3379.02 3846.86 0.426	Rs, 2617175.00 Rt. 334199 dt. 30.06.11	-HT/99 R6300.00 KVA	N/S E.P. 1

USER CODE (CON. DEN.)	CONSUMER NAME AND ADDRESS	PRESENT READING AND DATE	AMOUNT RECEIVED RT. NO. & DATE.	REMARKS
-HT/83 R8000.00 KVA	M/S. NALARI FERRO ALLOYS (P) Ltd. E.P.I.P. INDUSTRIAL ESTATE NORDONG	KWh 1531127.81 KVAh 1627784.11 KVA 67.8 dt. 24.06.11	Rs. 12940066.00 Rt. 334193 dt. 24.06.11	C = 49.53
-HT/89 R4500.00 KVA	M/S. MECHALAYA ALLOYS (P) Ltd. E.P.I.P. INDUSTRIAL ESTATE NORDUNG C = 26.93	KWh 370622 KVAh 415024 KVA 0.342 dt. 30.06.11	Rs. 4075917.00 Rt. 334200 dt. 30.06.11	u = 3773.28 A = 4224.72 d = 0.349
-HT/92 R5000.00 KVA	M/S. PIONEER CARBIDE (P) Ltd., E.P.I.P., UPPER DALIAN, BYRNIHAT	KWh 7632.03 KVAh 8343.75 KVA 8.413 dt. 24.06.11	Rs. 10051035.72 Rt. 334185 dt. 24.06.11	C = 66.99
-HT/93 R2000.00 KVA	M/S GREY STONE SMELTERS Ltd. E.P.I.P. BYRNIHAT Rs. 20,00,000.00 Rt. 334201 dt. 05.07.11	KWh 319677.0 KVAh 376765.0 KVA 30.40 dt. 15.06.11	Rs. 20,00,000.00 Rt. 334166 dt. 15.06.11	Rs. 20,00,000.00 Rt. 334167 dt. 22.06.11 C = 11
-HT/94 R5000.00 KVA	M/S ZHASI ALLOYS (P) Ltd. E.P.I.P. AREA BYRNIHAT	KWh 4078.52 KVAh 4768.77 KVA 0.410 dt. 24.06.11	Rs. 5327650.00 Rt. 334192 dt. 24.06.11	C = 55.28
-HT/95 R4300.00 KVA	M/S NEZONE ALLOYS Ltd. E.P.I.P. AREA BYRNIHAT	KWh 2041.90 KVAh 3276.99 KVA 0.167 dt. 24.06.11	Rs. 3675439.00 Rt. 334176 dt. 24.06.11	C = 31.62
HT/96 R1000.00 KVA	M/S MECHALAYA MINERAL PRODUCTS Ltd. E.P.I.P. AREA NORDONG	KWh 257619.0 KVAh 310015.0 KVA 14.20 dt. 24.06.11	Rs. 510982.00 Rt. 334180 dt. 24.06.11	C = 16.65
HT/99 R6300.00 KVA	M/S SHILLONG ISPAT & ROLLING MILLS (P) Ltd. 13TH. MILE, TANULKUCHI, C = 13.37	KWh 1232.12 KVAh 1355.25 KVA 0.28 dt. 24.06.11	Rs. 2099769.00 Rt. 334170 dt. 24.06.11	u = 1476.0 A = 1694.88 d = 0.328

*[Signature]*  
 Assistant Executive Engineer  
 RI-Bhoi Revenue Sub Division  
 Me.E.C.L. Byrnihat

ANNEXURE - F.

Works & Regd. Office: Upper Baliyan, Umtru Road,  
Byrnihat-793 101, Ri-Bhoi, Meghalaya  
☎ 03638 - 263737, 263800 ☎ +91 - 8974630425  
E-mail: pioneercarbide@gmail.com



PIONEER CARBIDE  
(P) LTD.

AP (SRAGP)  
23.5.11

9  
AEE (com)  
10/5/23/11

Ref: PCPL/MeSEB/11-12/ 206

Date: 19.05.11

To  
The Hon'ble Chairman  
Meghalaya Energy Corporation Ltd.  
Shillong, Meghalaya.



Sub: Request for Power factor rebate for maintaining high power factor at our end.

Dear Sir,

We are running a Ferro alloys manufacturing unit in Byrnihat, Meghalaya under the name Pioneer Carbide (P) Ltd. for the last seven years.

We installed capacitor banks and power factor correction system at our plant for a higher power factor for the last five years.

Since then, our monthly power factor values have been on the higher side. Further, since the start of February 2011, we further optimized our electrical equipment yielding a power factor of .93 for Feb 2011 and .97 for March 2011. We want to inform you that our activities to further improve our power factor are continuing even in the absence of any incentive or encouragement. We have left no stone unturned from our end to maximize the utilization of the power given to us. Our statement of power factor for the last three years is enclosed for your reference.

Sir, you may aware that a high power factor from the consumer's end will lead to an increase in the revenue of the electricity board. In the absence of any encouragement for a high power factor, the consumers would lack the will to maintain a high power factor. Though the board has a penalty in place for a poor power factor, we humbly request you to take a step further and introduce a rebate for a higher power factor. Since the industry and board have a symbiotic relationship, a rebate on higher power factor is favorable for both.

Our neighbouring state of Assam is offering a rebate of 1% for a power factor of above .85 and a rebate of 2% for a power factor of above .95, on unit consumption shall be applicable (Copy enclosed)-Also, please find further references of few other states giving rebates on power factor.

Hence, we rightfully request you to introduce a rebate scheme for a high power factor as we continue to maintain a high PF. Also, we request and claim our incentive for maintaining a high power factor for all these years.

Thanking you,

Yours faithfully,  
For Pioneer Carbide Pvt. Ltd.

S.S. Agrawal  
Managing Director

Copy to 1. The Director (Distribution) - Meghalaya Energy Corporation Limited,  
Shillong, Meghalaya.

2. The Chief Executive Officer, Meghalaya Energy Corporation Limited, Umium,  
Shillong, Meghalaya - for necessary information.

Encl: As above

32.9.4  
21.6.11  
Signature

Head Office: 14, Bhajanka Market, G.S. Road, Dispur, Guwahati - 781 005, Assam, India  
☎ 0361-2343663 ☎ 0361-2341033 ☎ +91- 94356 -17777

PIONEER CARBIDE PVT LTD  
 CONSUMER NO BNT-H192  
 STATEMENT OF AVE. POWER FACTOR

Sr.No.	Billing period	Bill Date	AVPF	Min P.F Required	Excess P.F given to board/ Customer
1	Apr'08	12.05.08	0.93	0.85	0.08
2	May'08	13.06.08	0.85	0.85	0.00
3	Jun'08	14.07.08	0.92	0.85	0.07
4	Jul'08	13.08.08	0.93	0.85	0.08
5	Aug'08	11.09.08	0.93	0.85	0.08
6	Sep'08	14.10.08	0.93	0.85	0.08
7	Oct'08	12.11.08	0.91	0.85	0.06
8	Nov'08	02.12.08	0.92	0.85	0.07
9	Dec'08	12.01.09	0.93	0.85	0.08
10	Jan'09	09.02.09	0.94	0.85	0.09
11	Feb'09	13.03.09	0.92	0.85	0.07
12	Mar'09	13.04.09	0.92	0.85	0.07
	Total		11.63	10.20	0.83
1	Apr'09	13.05.09	0.90	0.85	0.05
2	May'09	11.06.09	0.92	0.85	0.07
3	Jun'09	14.07.09	0.88	0.85	0.03
4	Jul'09	12.08.09	0.89	0.85	0.04
5	Aug'09	09.10.09	0.86	0.85	0.01
6	Sep'09	13.10.09	0.92	0.85	0.07
7	Oct'09	11.11.09	0.92	0.85	0.07
8	Nov'09	07.12.09	0.90	0.85	0.05
9	Dec'09	12.01.10	0.93	0.85	0.08
10	Jan'10	11.02.10	0.93	0.85	0.08
11	Feb'10	11.03.10	0.93	0.85	0.08
12	Mar'10	14.04.10	0.91	0.85	0.06
	Total		10.88	10.20	0.68
1	Apr'10	12.05.10	0.81	0.85	0.06
2	May'10	11.06.10	0.80	0.85	0.05
3	Jun'10	12.07.10	0.87	0.85	0.02
4	Jul'10	12.08.10	0.90	0.85	0.05
5	Aug'10	14.09.10	0.91	0.85	0.06
6	Sep'10	09.10.10	0.92	0.85	0.07
7	Oct'10	08.11.10	0.91	0.85	0.06
8	Nov'10	06.12.10	0.91	0.85	0.06
9	Dec'10	10.01.11	0.91	0.85	0.06
10	Jan'11	09.02.11	0.89	0.85	0.04
11	Feb'11	09.03.11	0.93	0.85	0.08
12	Mar'11	11.04.11	0.97	0.85	0.12
	Total		10.93	10.20	0.73
	Grand Total		33.84	30.50	2.24

**ELECTRICITY TARIFF IN DELHI (BYPL, BRPL & NDPL) as on 31.08.2009 (w.e.f. 07.06.2009)**

ANNEXURE - G

Category No.	Category of Service	Fixed/Demand Charges	Energy Charges (Oct. to M.
1	DOMESTIC		
1.1	J.J Clusters	175 Rs./Month	
1.2	Domestic Lighting/Fan and Power (Single Delivery Point)		
0-200		24 Rs./Month upto 2 KW	245 Paise/KWh
201-400		60 Rs./Month above 2 and upto 5 KW	395 Paise/KWh
Above 400		12* Rs./KWh/Month above 5 KW	455 Paise/KWh
1.3	Domestic Lighting/Fan and Power on 11 KV Single Delivery Point for CDPS flats	12 Rs./KWh/Month	
	First 44.4% of consumption/Month		245 Paise/KWh
	Next 44.4% of consumption/Month		395 Paise/KWh
	Next 11.2% of consumption/Month		485 Paise/KWh
1.4	Domestic Lighting/Fan and Power connections in let out Products and villages, both electrified & Un-electrified for flat sizes:		
	i) Up to 50 Sq. yards	264 Rs./Month	
	ii) Between 51-100 Sq. yards	334 Rs./Month	
	iii) Between 101-150 Sq. yards	504 Rs./Month	
	iv) Between 151-200 Sq. yards	689 Rs./Month	
	v) More than 200 Sq. yards only through installation of meters by licensee		
2	NON-DOMESTIC	As applicable for relevant category	As applicable for relevant category
2.1.1	Non-Domestic (Low Tension) NDLT-I		
	a) Up to 10 KW	50 Rs./KWh/Month	540 Paise/KWh
	b) >10KW to 100KW		482 Paise/KWh
2.1.2	Non-domestic Light/Power on 11KV Single Delivery Point for Commercial Complexes/NDLT-II	50 Rs./KWh/Month	482 Paise/KWh
2.2	Mixed Load (High Tension) > 100KW - M.L.T		
	a) Supply on 33 KV and above	150 Rs./KWh/Month	485 Paise/KWh
	b) Supply on 11 KV		485 Paise/KWh
	c) Supply on LT (400 Volts)	200 Rs./KWh/Month	569 Paise/KWh
3	INDUSTRIAL		
3.1.1	Small Industrial Power (SIP) < 100KW		
	a) Up to 10KW	50 Rs./KWh/Month	505 Paise/KWh
	b) >10KW to 100KW		440 Paise/KWh
3.1.2	Industrial Power (SIP) on 11 KV Single Delivery Point for Group of SIP consumers	50 Rs./KWh/Month	375 Paise/KWh
3.2	Large Industrial Power >100KW (LIP)		
	a) Supply on 33 KV	150 Rs./KWh/Month	435 Paise/KWh
	b) Supply on 11 KV	150 Rs./KWh/Month	435 Paise/KWh
	c) Supply on LT (400 Volts)	200 Rs./KWh/Month	500 Paise/KWh
4	AGRICULTURAL	12 Rs./KWh/Month	155 Paise/KWh
5	MUSHROOM CULTIVATION	24 Rs./KWh/Month	305 Paise/KWh
6	PUBLIC LIGHTING		

Category No.	Category of Service	Peak Demand Charges	Energy Charges (Apr.-Sep.)	Energy Charges (Oct. to Mar.)
1	Domestic			
1.1	a) Kite line (upto 50 KVA/month) b) Domestic Light/Fan and Power (Single delivery point) 0-100 units 101-200 units 201-400 units Above 400 units	2 Rs./KVA/month 2 Rs./KVA/month	125 Paisa/KVAh 150 Paisa/KVAh 210 Paisa/KVAh 300 Paisa/KVAh 360 Paisa/KVAh	
1.2	Domestic Light/Fan and Power (On separate delivery points/meters) a) Light/Fan b) Power	2 Rs./KVA/month	Same as in 1.1 360 Paisa/KVAh	
2	Non Domestic			
2.1	Non Domestic (Low Tension) a) Single phase < 5KW b) Three phase < 5KW c) Mixed load (High Tension) - Saturated load > 100 KW	2 Rs./KVA/month	440 Paisa/KVAh 500 Paisa/KVAh	
2.2	a) Supply on 11 KV (HT) b) Supply on LT (400 Volts) where supply from HDMC S/s c) Where the applicant provides built up space for Sub-Station Small Industrial Power - SPS	150 Rs./KVA/month 200 Rs./KVA/month Tariff for Supply on 11 KV as above plus 10 % 2 Rs./KVA/month	390 Paisa/KVAh 465 Paisa/KVAh 400 Paisa/KVAh	
3	Public Lighting	60 Rs./Month/Street light as maintenance charge	360 Paisa/KVAh	
4	Railway Traction			
5	a) Supply on 11 KV b) Supply on LT (400 Volts)	150 Rs./KVA/month 200 Rs./KVA/month	340 Paisa/KVAh 425 Paisa/KVAh	
6	Temporary Supply			
6.1	For a vital period			
6.2	a) Less than 16 days b) More than or equal to 16 days			
6.3	For religious function of traditional and established characters and cultural activities For major construction projects			
7	Dahli Metro Rail Corporation (DMRC)			
A	DMRC (220 KV)	75 Rs./KVA/month	300 Paisa/KVAh	
B	DMRC (66 KV)	75 Rs./KVA/month	300 Paisa/KVAh	
30% Surcharge shall be levied on fixed demand charges plus energy charges for demand in excess of contract demand by more than 5% for all categories other than domestic.				
Additional rebate for category no. 2.2 (a) as follows -				
2.50% Additional rebate on the energy charges on 11 KV rates for availing supply at 3306KV				
4.00% Additional rebate on the energy charges on 11 KV rates for availing supply at 220 KV				
ASSUMED POWER FACTOR 85%				

**ELECTRICITY TARIFF IN HIMACHAL PRADESH as on 23.11.2009 (w.e.f 01.09.2009)**

Category	Category of Service	Demand Charge	Energy Charge	Consumer Service Charge (Rs./Month)
DOMESTIC SUPPLY DSI	Below poverty line (Up to 50 KVA/Month)		190 Paise/KWh	NIL
	Other Consumers (Other than Pre-Paid Metered)		190 Paise/KWh	25
	Consumption 0-150 KVA/Month		190 Paise/KWh	
	Consumption above 150 KVA/Month		315 Paise/KWh	
	Other Consumers (Pre-Paid Metered)		190 Paise/KWh	
NON DOMESTIC NON DOMESTIC NON COMMERCIAL SUPPLY	Connected Load		Standard Supply Voltage (AC 50 Hz)	
	<=50KW		LT (1 Phase 0.23 KV or 3 Phase 0.415 KV) OR 2.2 KV	
	51 KW upto 2000 KW		11 KV or 15KV or 22 KV	
	2001 KW upto 10000 KW		33 or 66KV	
	Single Part Tariff for connected load <=20 KW		405 Paise/KWh	60
	Two part Tariff for connected load <=20 KW		330 Paise/KWh	120
	Character of Service		Standard Supply Voltage (AC 50 Hz)	
	<=50KW		LT (1 Phase 0.23 KV or 3 Phase 0.415 KV) OR 2.2 KV	
	51 KW upto 2000 KW		11 KV or 15KV or 22 KV	
	2001 KW upto 10000 KW		33 or 66KV	
COMMERCIAL SUPPLY CS	Single Part Tariff for connected load <=20 KW		430 Paise/KWh	60
	Two part Tariff for connected load >20 KW		75 Rs./KVA/Month	120
	20-100 KW		365 Paise/KWh	
	Above 100 KW		335 Paise/KWh	240
	Character of Service		Standard Supply Voltage (AC 50 Hz)	
	<=50KW		LT (1 Phase 0.23 KV or 3 Phase 0.415 KV) OR 2.2 KV	
	51 KW upto 2000 KW		11 KV or 15KV or 22 KV	
	2001 KW upto 10000 KW		33 or 66KV	
	>=10000 KW		>=132 KV	
	Character of Service		Standard Supply Voltage (AC 50 Hz)	
SMALL & MEDIUM INDUSTRIAL POWER SUPPLY (Load not exceeding 100 KW) SMS	Single Part Tariff for connected load <=20 KW		310 Paise/KWh	60
	Two part Tariff for connected load >20 KW		305 Paise/KWh	120
	50 Rs./KVA/Month			
	Peak Load Violation charge (PLVC)-Consumers under category SMS not having peak load exemption found using power during peak load hours - Summer (April to October)-18.00 to 21.00 Hrs. and winter (November to March)-17.30 to 20.30 Hrs. shall be charged 20.30 Hrs. shall be charged Peak load violation charge (PLVC) on energy consumption recorded during the peak load hours only			
	Peak Load Exemption charge (PLEC)-Consumers under category SMS drawing power only during peak load hours - Summer (April to October)-18.00 to 21.00 Hrs. and winter (November to March)-17.30 to 20.30 Hrs. shall be charged 20.30 Hrs. shall be charged Peak load exemption charge (PLEC) on energy consumption recorded during the peak load hours only			
	Rs./KVA/Month as seasonal energy charge on exempted load and Paise/KWh from SMS consumers as energy charge			
	50 Rs./KVA/Month as seasonal energy charge on exempted load and Paise/KWh from SMS consumers as energy charge			
	Character of Service		Standard Supply Voltage (AC 50 Hz)	
	<=50KW		LT (1 Phase 0.23 KV or 3 Phase 0.415 KV) OR 2.2 KV	
	51 KW upto 100 KW		11 KV or 15KV or 22 KV	
LIPS LARGE INDUSTRIAL POWER SUPPLY (Load exceeding 100KW)	HT Supply		225 Rs./KVA/Month	350
	1. Up to 300 KVA/MVA of contract demand		250 Paise/KWh	
	2. Remaining energy during the month		220 Paise/KWh	
	EHT Supply		185 Rs./KVA/Month	350
	1. Up to 300 KVA/MVA of contract demand			

**ELECTRICITY TARIFF IN JAMMU & KASHMIR as on 31.07.2009 (w.e.f 01.04.2008)**

Category	Category of Service	Fixed Charge	Energy Charge Paise/KWh	Minimum charges
Sch. 1 (a)	<b>DOMESTIC SUPPLY (METERED SUPPLY)</b>			
	First 30 KWh/Month		90	15.00 Rs./month for connected load upto 1/4 KW
	Next 70 KWh/Month		115	25.00 Rs./month for connected load above 1/4 KW upto 1/2 KW
	Between 101 to 200 KWh/Month		140	40.00 Rs./month for connected load above 1/2 KW upto 1 KW
Sch. 1 (b)	<b>DOMESTIC SUPPLY (UNMETERED FLAT RATE SUPPLY)</b>			
	Installation with connected load upto 1/4 KW	30.00 Rs./Month		10.00 Rs./month for connected load above 1 KW for every 1/4 KW or part thereof
	Installation with connected load above 1/4 KW upto 1/2 KW	140.00 Rs./Month		
	Installation with connected load above 1/2 KW upto 3/4 KW	240.00 Rs./Month		
	Installation with connected load above 3/4 KW upto 1 KW	320.00 Rs./Month		
	Installation with connected load above 1 KW upto 2 KW	630.00 Rs./Month		
Sch. 2 (a)	<b>NON-DOMESTIC / COMMERCIAL (METERED SUPPLY)</b>			
	a) Single Phase Load upto 5kW			
	First 100 KWh/Month	30.00 Rs./KWh/Month	150	
	Next 100 KWh/Month		160	
	Above 200 KWh/Month		230	
Sch. 2 (b)	<b>NON-DOMESTIC / COMMERCIAL (UNMETERED FLAT RATE SUPPLY)</b>			
	Installation with connected load upto 1/4 KW	140.00 Rs./Month*		
	Installation with connected load above 1/4 KW upto 1/2 KW	250.00 Rs./Month*		
	Installation with connected load above 1/2 KW upto 1 KW	350.00 Rs./Month*		
	Installation with connected load above 1 KW upto 5 KW	500.00 Rs./KW or part thereof for every KW above 1 KW but less than 5 KW		
Sch. 3	<b>STATE / CENTRAL GOVT. DEPARTMENTS</b>			
	For all Units	70.00 Rs./KWh/Month	265	
	Load (in kW) to be rounded off to the next 1/2 kW for the purpose of application of Fixed Charges.			
Sch. 4 (a)	<b>AGRICULTURAL IRRIGATION (METERED)</b>			
	For connected load upto 20 HP		50	250.00 Rs./HP (Annium)
	For connected load above 20 HP		350	900.00 Rs./HP (Annium)
	For all Units			
Sch. 4 (b)	<b>AGRICULTURAL IRRIGATION (UNMETERED FLAT RATE SUPPLY)</b>			
	For connected load upto 20 HP	110.00 Rs./HP/Month		
	For connected load above 20 HP	750.00 Rs./HP/Month		
Sch. 5 (a)	<b>PUBLIC STREET LIGHTING (METERED)</b>		330	300.00 Rs./KWH/month or any part thereof
	For all Units			
Sch. 6	<b>PUBLIC WATER WORKS</b>			
	LT Public Water Works (Metered)		330	200.00 Rs./KWH/month or any part thereof
Sch. 6.1(a)	<b>LT Public Water Works (Unmetered Flat Rate Supply)</b>			
	For all Units	675.00 Rs./KWH/month for per shift of 8 Hrs.		
Sch. 6.2(a)	<b>HT Public Water Works (Metered)</b>			
	11 KV Supply*	160.00 Rs./KVA/month*	235 PAVAR	
	33 KV Supply	155.00 Rs./KVA/month*	230 PAVAR	
Sch. 6.2(b)	<b>HT Public Water Works (Unmetered Flat Rate Supply)</b>			
	For all Units	675.00 Rs./KWH/month for per shift of 8 Hrs.		
Sch. 7	<b>LT &amp; HT INDUSTRY</b>			
	LT Industry (Metered)		180	Nil
Sch. 7.1(a)	<b>LT Industry (Unmetered Flat Rate Supply)</b>			
	For all Units	25.00 Rs./KWH/month or any part thereof		
	8 hrs shift	200.00 Rs./KWH/month or any part thereof		
	8-12 hrs shift	450.00 Rs./KWH/month or any part thereof		
Sch. 7.2	<b>HT Industry</b>			
	11 KV Supply*	105.00 Rs./KVA/month*	175 PAVAR	
	33 KV Supply & above	105.00 Rs./KVA/month*	170 PAVAR**	
Sch. 7.3	<b>HT Industry (Power Intensive Industries)</b>			
	11 KV Supply	140.00 Rs./KVA/month*	200 PAVAR	
	33 KV Supply & above	135.00 Rs./KVA/month*	195 PAVAR**	
Sch. 8	<b>General Purpose Bulk Supply</b>			
	11 KV Supply*	145.00 Rs./KVA/month*	220 PAVAR	
	33 KV Supply & above	140.00 Rs./KVA/month*	220 PAVAR**	
<b>ASSUMED POWER FACTOR</b>			85%	

\* For Connections above 100 KW supplied on LT, Additional 5% Surcharge on Demand and Energy Charges at 11 KV tariff shall be chargeable.  
 \*\* Or part thereof on Billing Demand  
 \*\*\* Rebate at higher voltage- For 50 KV- 1.5% on energy charge for 33 KV supply.

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ELECTRICITY TARIFF IN UTTARAKHAND as on 21.08.2009 (w.e.f. 01.03.2008)

Sl. No.	Category of Service	Demand Charge	Energy Charge
RTS-1	DOMESTIC		
	Unmetered Supply (House)		
	(i) Day Area	100 Rs./Connection/Year	
	(ii) Other Areas	150 Rs./Connection/Year	
	DOMESTIC (Continued)		
	(i) Life line consumers below poverty line including Kalyan Aapna Yojana and other similar schemes upto 20 KW/Yearly	Nil	
	(ii) For other Domestic Consumers	15 Rs./Connection/Year	
	(iii) Single Phase Bulk Supply	15 Rs./Year/Year	
RTS-1-A	Domestic and non-domestic consumers in unconnected areas (All other conditions same as those in RTS-1)		
	(i) Domestic	Nil	
	(ii) Non-domestic upto 1 KW	Nil	
	(iii) Non-domestic more than 1 kVA upto 4 KW	Nil	
	(iv) Non-domestic more than 4 KW	300 Rs./Year/Year	
RTS-2	NON-DOMESTIC		
	1. Educational Institutions/Hospitals and Charitable Institutions	15 Rs./Year/Year	
	2. Other Non-Domestic Commercial Users	300 Rs./Year/Year	
RTS-3	PUBLIC LAMPS		
	Unmetered Supply in Public Areas	100 Rs./100 Watt Lamp or part thereof as fixed monthly charge PLUS 50 Rs./ Month for every additional 50 Watt or part thereof	
		10 Rs. for each light post per month as maintenance charge	
RTS-4	PRIVATE TUBE WELLS PUMPING SETS		
	Unmetered Supply	150 Rs./HP-Month PLUS	
		20 Rs./Month for lighting load of not more than 2 lamps	
		Nil	
RTS-5	GOVERNMENT REGULATION SYSTEM		
	Metered Supply		250 Rs./Year/Year
RTS-6	PUBLIC WATER WORKS		
	Good Regulator system upto 75 KW (100000)	15 Rs./Year/Year	
	Good Regulator system above 75 KW (100000)	15 Rs./Year/Year	250 Rs./Year/Year
RTS-7	LT & HT INDUSTRY		

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1. LT Industry having contracted load upto 75 KW (100 BHP)		70	Rs./KVA/Month of contracted load	275	Paise/KVAh
1.1 Contracted load upto 25 KW				250	Paise/KVAh
1.2 Contracted load more than 25 KW					
2. HT Industry having contracted load above 88KVA/75 KW (100 BHP)		150	Rs./KVA/Month of billable demand	220	Paise/KVAh
2.1 Contracted load upto 1000 KVA (LF upto 33%)				240	Paise/KVAh
(LF above 33% and upto 50%)				265	Paise/KVAh
(LF above 50%)				220	Paise/KVAh
2.2 Contracted load more than 1000 KVA (LF upto 33%)		200	Rs./KVA/Month of billable demand	240	Paise/KVAh
(LF above 33% and upto 50%)				240	Paise/KVAh
(LF above 50%)				265	Paise/KVAh
Minimum Consumption Guarantee Charge (MCG) leviable in addition to fixed/demand charge if energy charge is less than MCG @ Rs.200/KVA/Month, Rs.250/KVA/Month for LT and HT industries respectively.					
The rates of TOD rebate/ surcharge for energy charges shall be as follows:-					
Season	Time of day	Morning peak hours	Normal hours	Evening peak hours	Off-peak hours
Winter	01.10 to 31.03	0600-9:30 hrs	0930-1730 hrs	1730-2200 hrs	2200-0600 hrs
Summer	01.04 to 30.09		0700-1800 hrs	1800-2300 hrs	2300-0700 hrs
Surcharge/(Rebate)			0%	25%	(-5%)
RTS-8			15	Rs./KVA/Month	250
RTS-9			150	Rs./KVA/Month	275
RTS-10					
MIXED LOAD (Bulk Supply for more than 50 KW)					
RAILWAY TRACTION					
TEMPORARY SUPPLY					
(A) Temporary supply for Illumination & Public Address Needs					
(1) For Illumination/ Public address/ceremonias for load upto 15 KW					
(2) Temporary shops set up during festivals/ melas for load upto 2 KW					
(3) Other Temporary shops/ Jhuggi/ Jhoppers for load upto 1 KW					
3.1) Rural					
3.2) Urban					
(B) Other purposes					
Assumed Power Factor					
85%					

Name of the Distribution Licensee: Meghalaya Energy Corporation Limited

Format- D1

## CONSUMER CATEGORY-WISE ENERGY SALES

S.N	Category of Consumers	2010-11 (Pre-audit)		2011-12 (Estimated)		2012-13 (Projected)	
		No. of Consumers at the end of the year (Nos.)	Energy Sale / Demand (MU)	No. of Consumers at the end of the year (Nos.)	Energy Sale / Demand (MU)	No. of Consumers at the end of the year (Nos.)	Energy Sale / Demand (MU)
1	2	3	4	5	6	7	8
	<b>LT CATEGORY</b>						
1	Domestic (DLT)	215781	245.57	222915	266.56	234084	292.80
2	Commercial (CLT)	18919	46.74	19839	55.86	20724	67.05
3	Industrial (ILT)	793	6.58	800	7.35	832	8.31
4	Agriculture (Ap)	29	0.35	29	0.77	31	0.52
5	Public Lighting (PL)	60	1.33	79	1.6	79	1.63
6	Water Supply (WSLT)	349	6.67	391	7.19	395	7.79
7	General Purpose	1937	13.57	1941	15.14	1948	17.05
8	Kutir Jyoti/BPL	32431	6.68	33825	8.52	49091	12.35
9	Cratorium	1	0.2	1	0.2	1	0.20
10	MeECL's offices & Employees		37.27		37.76		38.26
	<b>HT CATEGORY</b>						
11	Water Supply (WS HT)	32	27.2	35	30	38	32.74
12	Industrial (IHT)	138	272.28	144	310.2	150	393.86
13	General Purpose (Bulk Supply) including Domestic (DHT)	224	82.91	227	84.42	234	85.66
14	Commercial (CHT)	107	15.68	135	17.58	140	21.52
	<b>EHT CATEGORY</b>						
15	Industrial	13	205.16	13	314.12	13	388.28
16	Assam (Gen.Pur.)	3	15.22	3	15.29	3	15.36
17	U.I / Bilateral		40.38		20		50.00
18	Swapping (NVVN)		80.75		30		127.00
	<b>Total</b>	<b>270817</b>	<b>1104.54</b>	<b>280377</b>	<b>1222.56</b>	<b>307763</b>	<b>1560.38</b>

Name of the Distribution Licensee:

Meghalaya Energy Corporation Limited

**ENERGY BALANCE**

(MU)

S. N.	Item	2010-11 (Pre-audit)	2011-12 (Estimted)	2012-13 (Projected)
<b>A</b>	<b>ENERGY REQUIREMENT</b>			
1	Energy sales within the State	968.18	1157.27	1368.02
2	Sales to common pool consumers			
3	Sales outside State	15.22	15.29	15.36
4	Sales to electricity traders	121.13	50.00	177.00
5	Sales to other distribution licensees			
6	<b>Total Sales</b>	<b>1104.53</b>	<b>1222.56</b>	<b>1560.38</b>
7	Distribution Losses			
(i)	MU	532.52	484.53	573.18
(ii)	%	32.53	28.38	26.87
8	Total energy requirement (6+7(i))	1637.05	1707.09	2133.56
<b>B</b>	<b>ENERGY AVAILABILITY</b>			
1	Net thermal generation (own)	Nil	Nil	Nil
2	Net hydel generation (own)	507.90	640.63	705.04
3	Power Purchase from			
	a) Central Stations	953.80	986.46	1248.51
	b) Traders	19.00	50.00	30.00
	c) Power Exchange			
	d) Others	156.35	30.00	150.00
4	Net Power Purchase (1+2+3)	1129.15	1066.46	1428.51
5	<b>Total energy availability</b>	<b>1637.05</b>	<b>1707.09</b>	<b>2133.55</b>

**Format- D2 (A)**

**Information regarding Distribution Loss and AT & C Loss of Licensee**

S. No	Particulars	Calculation	Unit	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM	A	MU	507.9	640.63	705.04
2	Input energy (metered Import) received at interface points of DISCOM network	B	MU	948.72	979.30	1168.00
3	Input energy (metered Export) by the DISCOM at interface point of DISCOM network	C	MU	15.22	15.29	15.36
4	Total energy available for sale within the licensed area to the consumers of the DISCOM	D=A+B-C	MU	1441.40	1604.64	1857.68
5	Energy billed to metered consumers within the licensed area of the DISCOM	E	MU	968.18	1157.27	1368.01
6	Energy billed to unmetered consumers within the licensed area of the DISCOM	F	MU			
7	Total energy billed	G=E+F	MU	968.18	1157.27	1368.01
8	Amount billed to consumer within the licensed area of DISCOM	H	Rs. Cr	360.33	687.97	886.40
9	amount realized by the DISCOM out of the amount Billed at H #	I	Rs.Cr	378.04	672.76	867.60
10	Collection efficiency (%) (=Revenue realized / Amount billed)	J=(I/H)X100	%	104.91	97.79	97.88
11	Energy realised by the DISCOM	K=JXG	MU	1015.77	1131.68	1339.00
12	Distribution Loss (%)	L={(D-G)/D}x100	%	32.83	27.88	26.36
13	AT&C Loss (%)	M={(D-K)/D}x100	%	29.53	29.47	27.92

# Amount received in the current year for the amount billed in the previous years should not be excluded in this head. However, subsidy received against the current years sale of electricity should be considered in this head.

@ norms for determining the energy billed to un-metered consumers may be specified. This should be only for two categories i.e., agricultural consumers and the households below poverty line. The norms could be on the basis of sample metering in case of the agricultural consumers which could be further refined on the basis of the results of the consultancy study on cost of supply to agricultural consumers

Note: Audited figures must be taken from the commercial Department of the Utility (Billing and Revenue Section) for computing the AT&C Losses.

Format- D3  
2010-11

ENTITLEMENT FROM CENTRAL GENERATING STATIONS AND ENERGY PURCHASED

FOR THE YEAR 2010 - 2011

(MU)

S. N.	Station	Capacity (MW)	Firm allocation to		Gen. (MU)	PLF %	Aux. Cons.		Energy sent out	Firm Energy entitlement	Actual Utilised
			4 (%)	5 (MW)			8	9			
1	2	3	4 (%)	5 (MW)	6	7	8	9	10	11	12
1	NTPC										
	a) Farrakka -STPS-I	1600	0.65	10.38					10407.72	59.51	59.51
	b) KhSTPS STAGE - I	840	0.64	5.41					4929.01	25.84	25.84
	c) KhSTPS STAGE - II	1500	1.6	24.00					7958.96	135.10	135.10
	d) TSTPS STAGE - I	1000	0.65	6.49					6871.74	36.78	36.78
2	NHPC										
	a) Loktak HEP	105	12.14	12.75					590.75	71.78	71.78
3	NECPCO										
	a) Kopili Stage-I HEP	200	17.15	34.30					694.24	119.18	119.18
	b) Kopili Stage-II HEP	25	18.65	4.66					80.05	14.73	14.73
	c) Khandong HEP	50	16.65	8.33					157.27	26.21	26.21
	d) Ranganadi HEP	405	11.25	45.56					1399.82	157.60	157.60
	e) Doyang HEP	75	11.23	8.42					244.95	27.52	27.52
	f) AGBPP	291	11.55	33.61					1798.44	208.21	208.21
	g) AGTPP	84	11.34	9.53					626.93	71.35	71.35
4	Other sources										
	a) IEX(PTCIL)									6.76	6.76
	b) SCF									7.78	7.78
	c) RPGPTC									4.46	4.46
	d) UI									89.83	89.83
	e) Swapping									66.52	66.52
	Total			203.43						1129.14	1129.14

Format- D3  
2011-12

Name of the Distribution Licensee: **Meghalaya Energy Corporation Limited**  
ENTITLEMENT FROM CENTRAL GENERATING STATIONS AND ENERGY PURCHASED  
FOR THE YEAR 2011 - 2012 (MU)

S. N.	Station	Capacity (MW)	Firm allocation to		Gen. (MU)	PLF %	Aux. Cons.		Energy sent out	Firm Energy entitlement	Actual Utilised
			4 (%)	5 (MW)			8	9			
1	2	3	4 (%)	5 (MW)	6	7	8	9	10	11	12
1	NTPC										
	a) Farrakka -STPS-I	1600	0.65	10.38					11137.90	63.68	63.68
	b) KhSTPS STAGE - I	840	0.64	5.41					5274.66	27.65	27.65
	c) KhSTPS STAGE - II	1500	1.6	24.00					8516.27	144.56	144.56
	d) TSTPS STAGE - I	1000	0.65	6.49					7351.24	39.35	39.35
2	NHPC										
	a) Loktak HEP	105	12.14	12.75					565.59	68.72	68.72
3	NEPCO										
	a) Kopili Stage-I HEP	200	17.15	34.30					483.56	128.54	128.54
	b) Kopili Stage-II HEP	25	18.65	4.66					51.89	14.48	14.48
	c) Khandong HEP	50	16.65	8.33					112.33	29.39	29.39
	d) Ranganadi HEP	405	11.25	45.56					1417.72	159.61	159.61
	e) Doyang HEP	75	11.23	8.42					246.47	27.69	27.69
	f) AGBPP	291	11.55	33.61					1825.60	211.35	211.35
	g) AGTPP	84	11.34	9.53					627.71	71.44	71.44
4	Other sources										
	a) UI+Bilateral+Exchange									46.34	46.34
	b) Solar									3.66	3.66
	c) Swapping									30.00	30.00
	d)										
	Total			203.43						1066.46	1066.46

Name of the Distribution Licensee: **Meghalaya Energy Corporation Limited**  
ENTITLEMENT FROM CENTRAL GENERATING STATIONS AND ENERGY PURCHASED  
FOR THE YEAR 2012 - 2013 (MU)

S. N.	Station	Capacity (MW)	Firm allocation to		Gen. (MU)	PLF %	Aux. Cons.		Energy sent out	Firm Energy entitlement	Actual Utilised
			4 (%)	5 (MW)			8	9			
1	2	3	4 (%)	5 (MW)	6	7	8	9	10	11	12
<b>1</b>	<b>NTPC</b>										
	a) Farrakka -STPS-I	1600	0.65	10.38						66.51	66.51
	b) KhSTPS STAGE - I	840	0.64	5.41						34.45	34.45
	c) KhSTPS STAGE - II	1500	1.6	24.00						136.66	136.66
	d) TSTPS STAGE - I	1000	0.65	6.49						41.57	41.57
	e) BTPS	250	16.00	40.00						113.88	113.88
<b>2</b>	<b>NHPC</b>										
	a) Loktak HEP	105	12.393	13.01						65.28	65.28
<b>3</b>	<b>NEEPCO</b>										
	a) Kopili Stage-I HEP	200	17.395	34.79						127.58	127.58
	b) Kopili Stage-II HEP	25	13.675	3.42						23.94	23.94
	c) Khandong HEP	50	16.905	8.45						28.54	28.54
	d) Ranganadi HEP	405	11.505	46.60						152.66	152.66
	e) Doyang HEP	75	11.455	8.59						25.12	25.12
	f) AGBPP	291	11.815	34.38						207.00	207.00
	g) AGTPP	84	11.813	9.92						68.46	68.46
<b>4</b>	<b>OTPC -PALLATANA GPP</b>	726	10.88	79.00						156.86	156.86
<b>5</b>	<b>Other sources</b>										
	a) UI+Bilateral+Exchange									30	30.00
	b) Solar									-	-
	c) Swapping									150.00	150.00
				324.44						1428.51	1428.51

Name of the Distribution Licensee:

Meghalaya Energy Corporation Limited

POWER PURCHASE COST  
FOR THE YEAR 2010 - 2011

(Rs. in Crores)

S. N	Source	Energy received (MU)	Variable Cost (Ps. / Unit)	Total Variable Cost	Total Fixed Cost	Others	Total Cost (5+6+7)	Unit Cost (Rs. / KWH)
1	2	3	4	5	6	7	8	9
1	NTPC							
	a) Farakka STPS-I	59.51	284.95	16.96	2.74	1.79	21.49	3.61
	b) Kahalgaon STPS-I	25.84	209.73	5.42	1.54	1.83	8.79	3.40
	c) Kahalgaon STPS-II	135.10	199.99	27.02	14.71	5.51	47.24	3.50
	d) Talcher STPS-I	36.78	164.91	6.07	2.10	1.88	10.05	2.73
	e)							
2	NHPC							
	a) Loktak HEP	71.78	64.10	4.60	2.93	-0.39	7.14	1.00
	b)							
3	NEEPCO							
	a) Kopili Stage-I HEP	77.52	27.90	2.16	3.14	0.83	6.13	0.79
	b) Kopili Stage-II HEP	9.93	86.10	0.85	0.82	0.46	2.13	2.15
	c) Khandong HEP	16.77	40.60	0.68	1.04	0.20	1.92	1.15
	d) Ranganadi HEP	157.60	77.30	12.18	13.81	1.59	27.58	1.75
	e) Doyang HEP	27.52	147.70	4.06	3.74	0.5	8.31	3.02
	f) AGBPP	208.21	133.04	27.70	27.70	3.23	58.63	2.82
	g) AGTPP	71.35	175.22	12.50	6.14	1.18	19.82	2.78
	h) Free Power	55.89						
4	Other sources							
	a) IEX(PTCIL)	6.76	275.15	1.86			1.86	2.75
	b) SCF	7.78	505.14	3.93			3.93	5.05
	c) RPGPTC	4.46	647.98	2.89			2.89	6.48
	d) UI	89.83	193.34	17.37			17.37	1.93
	e) Swapping	66.52						
5	Other Charges							
	a) POWERGRID						41.40	
	b) ASEB						14.60	
	c) POSOCO						0.33	
	d) OAC						1.67	
	e) Reactive Charges						0.33	
	Total	1129.14					303.62	

Name of the Distribution Licensee: Meghalaya Energy Corporation Limited

POWER PURCHASE COST  
FOR THE YEAR 2011 - 2012

(Rs. in Crores)

S. N	Source	Energy received (MU)	Variable Cost (Ps. / Unit)	Total Variable Cost	Total Fixed Cost	Others	Total Cost (5+6+7)	Unit Cost (Rs. / KWH)
1	2	3	4	5	6	7	8	9
1	NTPC							
	a) Farakka STPS-I	63.68	374.00	23.82	2.21	5.73	31.76	4.99
	b) Kahalgaon STPS-I	27.65	264.00	7.30	1.11	2.02	10.43	3.77
	c) Kahalgaon STPS-II	144.56	220.00	31.80	17.13		48.93	3.38
	d) Talcher STPS-I	39.35	229.00	9.01	1.48	2.33	12.82	3.26
	e)							
2	NHPC							
	a) Loktak HEP	68.72	122.35	8.41	6.29	11.45	26.14	3.80
	b)							
3	NEEPCO							
	a) Kopili Stage-I HEP	83.01	42.71	3.55	2.63	3.2	9.38	1.13
	b) Kopili Stage-II HEP	9.55	78.44	0.75	0.56	-0.32	0.99	1.03
	c) Khandong HEP	18.72	89.60	1.68	1.25	1.31	4.23	2.26
	d) Ranganadi HEP	159.61	110.53	17.64	13.10	19.64	50.38	3.16
	e) Doyang HEP	27.69	267.00	7.39	5.49	9.43	22.31	8.06
	f) AGBPP	211.35	200.00	42.27	13.07	16.42	71.76	3.40
	g) AGTPP	71.44	257.00	18.36	3.87	7.18	29.41	4.12
	h) Free Power	61.13						
4	Other sources							
	a) UI+Bilateral+Exchange	46.34	400.09	18.54			18.54	4.00
	b) Solar	3.66	1699.45	6.22			6.22	16.99
	c) Swapping	30.00						
	d)							
	e)							
5	Other Charges							
	a) POWERGRID						55.68	
	b) ASEB						5.00	
	c) POSOCO						0.80	
	d) OAC						0.75	
	e) Reactive Charges						0.40	
	Total	1066.46					405.93	

13 The Increase in Transmission Charges to PERGRID can be attributed to the following reasons:

1. Due to the addition of Assets by PowerGRID
2. Due to the increase in AFC for the existing assets.
3. Due to the PoC method being adopted from July onwards.

The breakup of the cost i.e. 55,68 crores is as follows:

Considering the monthhly bill (in Cr) prior to July is	2.89
Considering the monthhly bill (in Cr) from July onwards is	3.52
Total cost of Current bill for 1 Year is	40.35
Projected amount of Supplementary bill on accountfor the earlier period	15.33
Total transmission charges payable to POWERGRID for 2011-12	55.68

Name of the Distribution Licensee: **Meghalaya Energy Corporation Limited**

POWER PURCHASE COST  
FOR THE YEAR 2012- 2013

(Rs. in Crores)

S. N	Source	Energy received (MU)	Variable Cost (Ps. / Unit)	Total Variable Cost	Total Fixed Cost	Others	Total Cost (5+6+7)	Unit Cost (Rs. / KWH)
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>NTPC</b>							
	a) Farakka STPS-I	66.51	411.40	27.36	2.43		29.80	4.48
	b) Kahalgaon STPS-I	34.45	290.40	10.00	1.43		11.44	3.32
	c) Kahalgaon STPS-II	136.66	242.00	33.07	24.33		57.40	4.20
	d) Talcher STPS-I	41.57	251.90	10.47	1.58		12.06	2.90
	e) BTPS	113.88	412.00	46.92	4.33		51.25	4.50
<b>2</b>	<b>NHPC</b>							
	a) Loktak HEP	65.28	124.80	8.15	6.61		14.75	2.26
	b)							
<b>3</b>	<b>NEEPCO</b>							
	a) Kopili Stage-I HEP	89.80	43.56	3.91	3.36		7.27	0.81
	b) Kopili Stage-II HEP	8.20	80.01	0.66	0.46		1.12	1.36
	c) Khandong HEP	19.09	91.39	1.74	1.69		3.44	1.80
	d) Ranganadi HEP	152.66	112.74	17.21	12.25		29.46	1.93
	e) Doyang HEP	25.12	272.34	6.84	5.52		12.36	4.92
	f) AGBPP	68.46	220.00	15.06	8.08		23.14	3.38
	g) AGTPP	207.00	282.70	58.52	0.06		58.58	2.83
	h) Free Power	62.97						
<b>4</b>	<b>OTPC -PALLATANA GPP</b>	156.86	412.00	64.63	5.96		70.59	4.50
<b>5</b>	<b>Other sources</b>	(Details to be furnished)						
	a) UI+Bilateral+Exchange	23.76					10.69	4.50
	b) Solar	6.24					11.17	17.90
	c) Swapping	150.00						
	d)							
	e)							
<b>5</b>	<b>Other Charges</b>	(Details to be furnished)						
	a) POWERGRID						68.65	
	b) ASEB						2.50	
	c) POSOCO						1.56	
	d) OAC						5.00	
	e) Reactive Charges						0.80	
	Total	1428.51					483.02	

**Format - D4 (a)**

**Name of the Licensee: Meghalaya Energy Corporation Limited**

**UI POWER PURCHASE CHARGES**  
For the Previous Year 2011-12

S. N	Month	Quantum of Energy Received (MU)	Per unit cost (Rs / kWh)	Cost of Energy Purchase (Rs.Crores)
1	2	3	4	5
1	April	10.03	2.84	2.85
2	May	4.86	10.18	4.95
3	June			
4	July			
5	August			
6	September			
7	October			
8	November			
9	December			
10	January			
11	February			
12	March			
13	Total	14.89	5.24	7.80

**Format - D4 (b)**

**Name of the Licensee: Meghalaya Energy Corporation Limited**

**UI POWER PURCHASE CHARGES**  
For the Ensuing Year 2012-13

S.N	Month	Quantum of Energy Proposed to be purchased (MU)	Per unit cost (Rs / kWh)	Cost of Energy Purchase (Rs.Crores)
1	2	3	4	5
1	April			
2	May			
3	June			
4	July			
5	August			
6	September			
7	October			
8	November			
9	December			
10	January			
11	February			
12	March			
13	Total			

**Format - D4 (c)**

**Name of the Licensee: Meghalaya Energy Corporation Limited**

**UI POWER SALE CHARGES  
For the Previous Year 2011-12**

S.N	Month	Quantum of Energy Sold (MU)	Per unit cost (Rs / kWh)	Cost of Energy Sold (Rs.Crores)
1	2	3	4	5
1	April			
2	May			
3	June	1.66	6.90	1.15
4	July	14.10	3.02	4.25
5	August	11.78	2.98	3.51
6	September	8.36	3.13	2.62
7	October	0.50	5.23	0.26
8	November			
9	December			
10	January			
11	February			
12	March			
13	Total	36.40	3.24	11.80

**Format - D4 (d)**

**Name of the Licensee: Meghalaya Energy Corporation Limited**

**UI POWER SALE CHARGES  
For the Ensuing Year 2012-13**

S.N	Month	Quantum of Energy Sold (MU)	Per unit cost (Rs / kWh)	Cost of Energy Sold (Rs.Crores)
1	2	3	4	5
1	April			
2	May			
3	June			
4	July			
5	August			
6	September			
7	October			
8	November			
9	December			
10	January			
11	February			
12	March			
13	Total			

## Name of the Licensee: Meghalaya Energy Corporation Limited

## NON TARIFF INCOME

(Rs. in crores)

S.N.	Source of loan	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Meter / Service rent	1.47	1.31	2.02
2	Late payment surcharge	70.06	48.54	81.28
3	Theft / pilferage of energy charges	0.01	0.02	0.01
4	Misc. receipts	1.27	1.09	1.45
5	Misc. charges	3.94	3.08	7.18
6	Wheeling charges	1.86	0.45	3.77
7	Interest on staff loans & advance	0.01	0.01	0.01
8	Income from trading	0.03	0.31	0.04
9	Income from welfare activities			
10	Discount/Rebates from suppliers/contractors	1.67	3.15	2.6
11	Interest on Investments & bank balances	6.90	5.34	7.19
12	Total Income	87.22	63.30	105.55
13	Add Prior period income *	0.58		
14	Total	87.80	63.30	105.55

\* Year wise details of prior period income may be provided

**Note** Item at S.N. 1, 3, 5 & 6 are shown at serial 12, 13, 14 & 15 in Schedule 2 of the Statement of Accounts

**Format- D6**

**Name of the Licensee: Meghalaya Energy Corporation Limited**

**BAD AND DOUBTFUL DEBTS**

For the year 2010-11

**(Rs. in Crores)**

<b>S. N</b>	<b>Particulars</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>
1	Amount of receivable bad and doubtful debts (Pre-audited)	11.24
2	Provision made for debts in ARR 2012-13	10.00

**Note** Shown in Schedule 15 of Statement of Accounts

## ANNUAL REVENUE REQUIREMENT

(Rs. in Crores)

S.N	Item of expenditure	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Cost of Power Purchase	303.62	405.93	483.02
2	Employee costs	128.73	184.96	270.00
3	R&M expenses	22.78	23.33	29.94
4	Adm. & Gen. Expenses	11.70	10.54	11.67
5	Depreciation	27.02	49.44	55.53
6	Interest charges	44.01	46.81	130.49
7	Return on equity	28.28	28.28	28.28
8	Income Tax		9.33	9.33
9	Provision for bad and doubtful debt	11.24	10.00	10.00
10	Total revenue requirement	577.38	768.62	1028.26
	Less: Non tariff income	87.80	63.30	105.55
11	* including subsidy	12.32	12.31	14.00
	** including outside sale	19.84	6.00	22.33
12	<b>Net revenue requirement (10-11)</b>	<b>457.42</b>	<b>687.01</b>	<b>886.38</b>
13	Revenue from tariff **	360.33	429.36	-
14	Gap (12 - 13)	97.09	257.65	
15	Gap for FY _____			
16	<b>Total gap (14+15)</b>	97.09	257.65	
17	Revenue surplus carried over ***	-	-	
18	Additional revenue from proposed tariff	-	257.64	
19	Regulatory asset			
20	<b>Energy sales (MU)</b>	<b>1104.53</b>	<b>1222.56</b>	<b>1560.38</b>

NB: Non Tariff income includes subsidy and outside sale.

\*\* Excluding outside sale

\*\*\* Truing up of ARR is pending

Name of the Licensee :Meghalaya Energy Corporation Limited

## EMPLOYEE COST

(Rs. in Crores)

S.N	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
	<b>SALARIES &amp; ALLOWANCES</b>			
1	Basic Pay	60.26	90.83	99.91
2	Dearness Pay			
3	Dearness Allowance	26.19	29.66	32.62
4	House rent Allowance	9.29	15.31	16.84
5	Fixed medical allowance			
6	Medical reimbursement charges	2.31	3.30	3.63
7	Over time payment	0.63	1.17	1.29
8	Other allowances (detailed list to be attached)			
9	Generation incentive	0.11	0.15	0.17
10	Bonus			
11	Sub-Total	98.79	140.42	154.46
	Terminal Benefits			
12	Leave encashment	2.31	3.06	3.37
13	Staff welfare expenses	0.09	0.11	0.12
14	Commutation of Pension			
15	Workman compensation	0.01	0.02	0.02
16	Ex- gratia	3.26	6.36	7.00
17	Sub-Total	5.67	9.55	10.51
	Pension Payment			
18	Basic Pension	29.38	40.52	44.57
19	Dearness Pension			
20	Dearness allowance			
21	Any other expenses	1.47	2.47	2.72
22	Sub-Total	30.85	42.99	47.29
23	Total (11+17+22)	135.31	192.96	212.26
24	Less amount capitalised	9.49	8.00	4.35
25	Net amount	125.82	184.96	207.91
26	Add prior period expenses *	2.91		62.09
27	Grand Total	128.73	184.96	270.00

Name of the Licensee :Meghalaya Energy Corporation Limited

**TOTAL NUMBER OF EMPLOYEES**

S.N	Particulars	2010-11 (Actuals)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Number of employees as on 1st April	3435	3339	3295
2	Number of employees on deputation / foreign service as on 1st April	1	1	1
3	Total Number of employees (1+2)	3436	3340	3296
4	Number of employees retired / retiring during the year	161	55	98
5	Number of employees newly joined during the year	65	68	181
6	Number of employees at the end of the year (3-4+5)	3340	3353	3379

Note Employees expired &amp; resigned are included in serial 4

Name of the Licensee :Meghalaya Energy Corporation Limited

**EMPLOYEES PRODUCTIVE PARAMETERS**

<b>S.N</b>	<b>Particulars</b>	<b>2010-11 (Pre-audit)</b>	<b>2011-12 (Estimated)</b>	<b>2012-13 (Projected)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Number of consumers in million	0.27	0.28	0.31
2	Connected load in KW	626986	677667	714324
3	Line circuit in KM (LT+HT)	23505.44	33445.14	33445.14
4	Energy sold in MU	1104.53	1222.56	1560.38
5	Employees per MU of energy sold	3.0	2.7	2.2
6	Employees per 1000 consumers	12	12	11
7	Share of employees cost in total expenses	128.73	184.96	270.00
8	Employees cost in paise / kWh of energy sold	117	151	173
9	Line circuit KM (EHT Lines)	744.85	913.28	930.587
10	Employees per KM of EHT line (Transmission related)	4.48	3.67	3.63
11	Power station installed capacity own generation (MW)	186.7	186.7	314.2
12	Employees per MW of capacity For generating company	17.89	17.96	10.75

Name of the Licensee :Meghalaya Energy Corporation Limited

**REPAIRS AND MAINTENANCE EXPENSES**

(Rs. in Crores)

S. No	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Plant & Machinery	5.10	5.56	7.13
	-Plant and Apparatus			
	-EHV Sub-stations			
	- 33 kV Sub-stations			
	- 11 kV Sub-stations			
	-Switch gear and cable connections			
	- Others			
	Total	5.10	5.56	7.13
2	Building	3.45	2.86	3.67
3	Hydraulic works & Civil works			
	Hydraulic works	2.20	3.71	4.76
	Civil works	4.91	3.11	3.99
	Total	7.11	6.82	8.75
4	Line cable & Network	6.06	7.02	9.01
	- EHV Lines			
	-33 kV Lines			
	-11 kV Lines			
	-LT Lines			
	-Meters and metering equipment			
	-Others			
	Total	6.06	7.02	9.01
5	Vehicles	0.55	0.66	0.85
6	Furniture & Fixtures	0.29	0.24	0.31
7	Office equipments	0.22	0.17	0.22
8	Operating expenses *			
9	Total	1.06	1.07	1.38
10	Add / Deduct share of other (To be specified)			
11	Total expenses	22.78	23.33	29.94
12	Less capitalized			
13	Net expenses			
14	Add prior period *			
15	Total expenses charges to revenue as R&M expenses	22.78	23.33	29.94

\* Shown as "Generation of power" at schedule 7 in Statement 1 of the Staement of Accounts.

Name of the Licensee :Meghalaya Energy Corporation Limited

**ADMINISTRATION AND GENERAL EXPENSES**

(Rs. in Crores)

S.N	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Rent, rates & taxes	0.28	0.29	0.34
2	Insurance	0.68	0.36	0.42
3	Telephone, postage & Telegrams	0.52	0.50	0.58
4	Consultancy fees	0.72	1.57	1.82
5	Technical fees	0.03	0.12	0.14
6	Other professional charges	2.85	0.17	0.20
7	Conveyance & travel expenses	5.26	5.35	6.21
8	Electricity & Water charges	0.01	0.01	0.01
9	Others	1.04	1.86	2.15
10	Freight	0.00	0.00	0.00
11	Other material related expenses	0.27	0.31	0.36
12	Total expenses	11.66	10.54	12.23
13	Less Capitalised	2.52	0.00	0.56
14	Net expenses	9.14	10.54	11.67
15	Add Prior period*	0.00	0.00	0.00
16	Add Debits	2.56	0.00	0.00
17	Total expenses charged to revenue	11.70	10.54	11.67

\* Year-wise details of these charges may be provided.

**Format- 6**

**Name of the Licensee :Meghalaya Energy Corporation Limited**

**VALUE ASSETS AND DEPRECIATION: 2010-11 Actuals**

(Rs. Crores)

S. No	Name of the Asset	Value of Assets at the beginning of the year	Addition during the year	Withdrawn during the year	Value of Assets at the year	Rate of Depreciation (%)	Depreciation charges for the year
1	2	3	4	5	6	7	8
1	Land & Land Rights	10.53	0.1	0.47	10.16		
2	Building	31.51	0.05		31.56	3.34	1.00
3	Hydraulic Works	128.34	0.1		128.44	5.28	6.64
4	Other Civil Works	27.4	0.06		27.46	3.34	0.87
5	Plant & Machinery	154.08	0.18		154.26	5.28 & 6.33	6.45
6	Line & Cables	237.74	6.07		243.81	5.28	11.27
7	Vehicles	8.74	0.5		9.24	9.5	0.36
8	Furniture	4.36	0.2		4.56	6.33	0.18
9	Office Equipments	4.81	0.25		5.06	6.33	0.25
	<b>TOTAL</b>	607.51	7.51	0.47	614.55		27.02

**Format- 6****Name of the Licensee :Meghalaya Energy Corporation Limited****VALUE ASSETS AND DEPRECIATION: 2011-12 Estimated**

(Rs. Crores)

S. No	Name of the Asset	Value of Assets at the beginning of the year	Addition during the year	Withdrawn during the year	Value of Assets at the year	Rate of Depreciation (%)	Depreciation charges for the year
1	2	3	4	5	6	7	8
1	Land & Land Rights	11.58	46.63		58.21		
2	Building	34.66	32.62		67.28	3.34	1.57
3	Hydraulic Works	141.17	577.55		718.72	5.28	19.51
4	Other Civil Works	30.14	87.39		117.53	3.34	2.13
5	Plant & Machinery	169.49	258.44		427.93	5.28	12.59
6	Line & Cables	261.52	26.15		287.67	5.28	12.77
7	Vehicles	9.61	1.60		11.21	9.50	0.35
8	Furniture	4.8	1.00		5.8	6.33	0.22
9	Office Equipments	5.29	1.38		6.67	6.33	0.3
	<b>TOTAL</b>	668.26	1032.76	0	1701.02		49.44

**Format- 6**  
**2012-13**

**Name of the Licensee :Meghalaya Energy Corporation Limited**

**VALUE ASSETS AND DEPRECIATION: 2012-13 Projected**

(Rs. Crores)

S. No	Name of the Asset	Value of Assets at the beginning of the year	Addition during the year	Withdrawn during the year	Value of Assets at the year	Rate of Depreciation (%)	Depreciation charges for the year
1	2	3	4	5	6	7	8
1	Land & Land Rights	41.49	19.31		60.8		
2	Building	54.15	15.14		69.29	3.34	1.93
3	Hydraulic Works	516.9	239.5		756.4	5.28	22
4	Other Civil Works	86.46	36.77		123.23	3.34	3.15
5	Plant & Machinery	330.69	113.56		444.25	5.28 & 6.33	13.79
6	Line & Cables	268.19	26.82		295.01	5.28	13.64
7	Vehicles	10.59	1.27		11.86	9.5	0.46
8	Furniture	5.36	0.71		6.07	6.33	0.24
9	Office Equipments	6.14	0.89		7.03	6.33	0.32
	<b>TOTAL</b>	<b>1319.97</b>	<b>453.97</b>	<b>0</b>	<b>1773.94</b>		<b>55.53</b>

Format- 7

**DETAILS OF LOANS FOR THE YEAR 2010-11**

(Rs. in lakhs)

Sl.No.	Particulars	Opening Balance	Rate of Interest	Addition during the Year	Repayment during the Year	Closing Balance	Amount of interest accrued during the Year
1	2	3	4	5	6	7	8
1	MSE & BSE Bonds	18949.00	-	-	1509.00	17440.00	1870.57
2		-	-	-	-	-	-
3	LIC	-	-	-	-	-	-
4	REC	21569.55	-	5737.36	103.07	27203.84	3597.82
5	Commercial Banks	20882.92	-	8913.38	4423.17	25373.13	3244.48
6	Bills Discounting	-	-	-	-	-	-
7	Lease rental	-	-	-	-	-	-
8	PFC	9520.00	-	1019.40	-	10539.40	1162.94
9	GPF	-	-	-	-	-	-
10	CSS	314.93	-	-	46.88	268.05	98.39
11	Working Capital Loan	2707.22	-	8474.12	3111.69	8069.65	120.82
12	Other (JBIC & OECF Loan)	8094.30	-	637.37	-	8731.67	181.22
13	<b>TOTAL:</b>	<b>82037.92</b>	-	<b>24781.63</b>	<b>9193.81</b>	<b>97625.74</b>	<b>10276.24</b>
14	Add State Govt. Loan	17743.53	-	2344.32	1209.17	18878.68	2503.54
15	TOTAL: (13+14)	99781.45		27125.95	10402.98	116504.42	12779.78
16	Less Capitalization	-	-	-	-	-	7110.67
17	Net Interest	-	-	-	-	-	5699.11
18	Add prior period	-	-	-	-	-	636.96
19	Total Interest	-	-	-	-	-	6306.07
20	Finance Charges	-	-	-	-	-	598.33
21	Total Interest and Finance Charges	-	-	-	-	-	6904.40

Format- 7

**DETAILS OF LOANS FOR THE YEAR 2011-12**

(Rs. in lakhs)

Sl.No.	Particulars	Opening Balance	Rate of Interest	Addition during the Year	Repayment during the Year	Closing Balance	Amount of interest accrued during the Year
1	2	3	4	5	6	7	8
1	SLR Bonds	17440.00	x	-	440.00	17000.00	1817.00
2	Non SLR Bonds	-	x	-	-	-	-
3	LIC	-	x	-	-	-	-
4	REC	27203.84	x	-	2479.91	24723.93	3068.00
5	Commercial Banks	25373.13	x	16088.00	7160.00	34301.13	2474.26
6	Bills Discounting	-	x	-	-	-	-
7	Lease rental	-	x	-	-	-	-
8	PFC	10539.40	x	14500.00	-	25039.40	1262.09
9	GPF	-	x	-	-	-	-
10	CSS	268.05	x	-	46.88	221.17	98.00
11	Working Capital Loan	8069.65	x	3000.00	-	11069.65	139.37
12	Other (JBIC & OECF Loan)	8731.67	x	781.62	-	9513.29	190.28
13	<b>TOTAL:</b>	<b>97625.74</b>	<b>x</b>	<b>34369.62</b>	<b>10126.79</b>	<b>121868.57</b>	<b>9049.00</b>
14	Add State Govt. Loan	18878.68	x	2150.00	408.92	20619.76	2244.00
15	TOTAL: (13+14)	116504.42	x	36519.62	10535.71	142488.33	11293.00
16	Less Capitalization	-	-	-	-	-	4967.00
17	Net Interest	-	-	-	-	-	6326.00
18	Add prior period	-	-	-	-	-	Nil
19	Total Interest	-	-	-	-	-	6326.00
20	Finance Charges	-	-	-	-	-	599.00
21	Total Interest and Finance Charges	-	-	-	-	-	6925.00

Name of the Licensee :Meghalaya Energy Corporation Limited

Format- 7

**DETAILS OF LOANS FOR THE YEAR 2012-13**

(Rs. in lakhs)

Sl.No.	Particulars	Opening Balance	Rate of Interest	Addition during the Year	Repayment during the Year	Closing Balance	Amount of interest accrued during the Year
1	2	3	4	5	6	7	8
1	MSE & BSE Bonds	17000.00	x	-	-	17000.00	1763.63
2	Non SLR Bonds	-	x	-	-	-	-
3	LIC	-	x	-	-	-	-
4	REC	24723.93	x	778.00	2530.42	22971.51	2930.39
5	Commercial Banks	34301.13	x	3633.00	5355.34	32578.79	4124.04
6	Bills Discounting	-	x	-	-	-	-
7	Lease rental	-	x	-	-	-	-
8	PFC	25039.40	x	2378.00	1601.33	25816.07	3173.26
9	GPF	-	x	-	-	-	-
10	CSS	221.17	x	-	46.88	174.29	98.39
11	Working Capital Loan	11069.65	x	-	-	11069.65	980.93
12	Other (JBIC & OECF Loan)	9513.29	x	-	-	9513.29	326.39
13	<b>TOTAL:</b>	<b>121868.57</b>	<b>x</b>	<b>6789.00</b>	<b>9533.97</b>	<b>119123.60</b>	<b>13397.03</b>
14	Add State Govt. Loan	20619.76	x	2431.79	890.05	22161.50	2378.00
15	TOTAL: (13+14)	142488.33	x	9220.79	10424.02	141285.10	15775.03
16	Less Capitalization	-	-	-	-	-	977.00
17	Net Interest	-	-	-	-	-	14798.03
18	Add prior period	-	-	-	-	-	Nil
19	Total Interest	-	-	-	-	-	14798.03
20	Finance Charges	-	-	-	-	-	628.95
21	Total Interest and Finance Charges	-	-	-	-	-	15426.98

Note : Penal interest at serial no. 15 is being shown separately as per Statement of Accounts.

Name of the Licensee :Meghalaya Energy Corporation Limited

**INTEREST CAPITALISED**

(Rs. in lakhs)

S. N.	Interest capitalized	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	WIP	165491.61	127656.41	50037.41
2	GFA at the end of the year	61455.00	131997	177394.00
3	WIP+GFA at the end of the year	226946.61	259653.41	227431.41
4	Interest (Excluding interest on WCL)	10155.42	8909.63	12416.10
5	Interest Capitalised	7110.67	4967.00	977.00

WIP=Work -in - Progress

GFA=Gross Fixed Assets

WCL=Working Capital Loan

**Format- 9**

**Name of the Licensee :Meghalaya Energy Corporation Limited**

**INFORMATION REGARDING RESTRUCTURING OF OUTSTANDING LOANS  
DURING THE YEAR**

(Rs. in lakhs)

S. N	Source of loan	Amount of original loan	Old rate of interest (%)	Amount already restructured	Revised rate of interest (%)	Amount now being restructured	New rate of interest (%)
1	2	3	4	5	6	7	8
1	REC Loan	6874.31	13.00	15315.00	8.5	14972	8.00

**Format- 10**

**Name of the Licensee :Meghalaya Energy Corporation Limited**

**INFORMATION REGARDING REVENUE FROM OTHER BUSINESS**

(Rs. in lakhs)

S.N	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Total Revenue from other business	-	-	-
2	Income from other business to be considered for licenses business as per regulations	-	-	-

**Format- 11**

**Name of the Licensee :Meghalaya Energy Corporation Limited**

**INFORMATION REGARDING WORKING CAPITAL FOR THE CURRENT AND ENSURING YEAR**

(Rs. in lakhs)

S.N	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	3	3
1	Fuel cost			
2	Power Purchase Cost	30363.00	40593.00	48560.00
3	One month employees cost and adm.& Gen. Expenses	1148.91	1629.17	2292.33
4	One month R&M Cost	189.93	194.42	249.50
5	Two Months Receivables			
6	Total	31701.84	42416.59	51101.83

**Format- 12**

Name of the Licensee :Meghalaya Energy Corporation Limited

**INFORMATION REGARDING FOREIGN EXCHANGE RATE  
VARIATION (FERV)****(Rs. in  
lakhs)**

<b>S.N</b>	<b>Particulars</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>
1	Amount of liability provided	
2	Amount recovered	
3	Amount adjusted	

**Note: FERV are floating rate.****Format- 13**

Name of the Licensee :Meghalaya Energy Corporation Limited

**INFORMATION REGARDING WHOLESALE PRICE INDEX (ALL  
COMMODITIES)****(TO BE SUPPLIED WITH DOCUMENTARY EVIDENCE)****(to be supplied with documentary evidence)****(Rs. in lakhs)**

<b>S.N</b>	<b>Period</b>	<b>WPI</b>	<b>Increase over previous year</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	As on April 1 of previous year	Data not available	
2	As on April 1 of current year		
3	As on April 1 of ensuing year		



Name of the Licensee :Meghalaya Energy Corporation Limited

**WORKS-IN-PROGRESS**

(Rs. in lakhs)

S. N	Particulars	2010-11 (Pre-audit)	2011-12 (Estimated)	2012-13 (Projected)
1	2	3	4	5
1	Opening balance	133080.83	165491.61	127656.41
2	Add: New investments	33357.12	27580.27	26525.26
3	Total	166437.95	193071.88	154181.67
4	Less investment capitalised	946.34	65415.47	104144.26
5	Closing balance	165491.61	127656.41	50037.41



**MEGHALAYA ENERGY CORPORATION LIMITED**

**CORPORATE AFFAIRS**

Lumjingshai, Short Round Road, Shillong:: (O)2591992:Ext-146:Fax :0364-2590355

No.MeECL/CA/307/2010/69

8<sup>th</sup> December 2011


EXTRACT OF THE RESOLUTION APPROVED BY CIRCULATION BY THE  
BOARD OF DIRECTORS OF THE COMPANY DATED 7<sup>th</sup> DECEMBER, 2011,  
UNDER SECTION 289 OF THE COMPANIES ACT, 1956.

Subject: ANNUAL REVENUE REQUIREMENT (ARR) AND DISTRIBUTION TARIFF  
2012-13.

“RESOLVED THAT the Tariff Petition alongwith the Annual Revenue Requirement (ARR) amounting to Rs.886.38 crore (Rupees eight hundred eighty-six crore and thirty-lakh) only for the financial year 2012-13 be and is hereby approved for filing before the MSERC.

RSOLVED FURTHER THAT Shri K.N. War, Superintending Engineer, Regulatory Affairs & Franchisee Development, Me.ECL be and is hereby authorized to sign and submit the plaint, applications, affidavit and other necessary documents related to above matter before the MSERC.”

For Meghalaya Energy Corporation Limited

  
G.S. Mukherjee  
Company Secretary

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“SAVE ENERGY FOR BENEFIT OF SELF AND NATION”



MEGHALAYA ENERGY CORPORATION LIMITED

*Office of the Superintending Engineer  
(Regulatory Affairs & Franchisee Development)*

Lum Jingshai; Short Round Road; Shillong – 793 001

Phone: (0364) 2590127 Fax: (0364) 2591174

No MeECL/SE(RA)/51/2011-12/24

Dated 15<sup>th</sup> December 2011

To,

The Secretary  
Meghalaya State Electricity Regulatory Commission  
New Administrative Building  
Lower Lachumiere, Shillong.

Sub: Tariff Petition 2012-13.

Ref: F. No. MSERC/MECL/Tariff-2012-13/2011/1 dated 9<sup>th</sup> December 2011.

Sir,

With reference to the above, I am directed to submit before the Hon'ble Commission the following:

- 1. Revenue at current tariff from sale of energy within the state-** The revenue from inside sale projected for FY 2012-13 is calculated based on the projected sale of energy category-wise and rates of the existing tariff (Tariff Order dated 23<sup>rd</sup> August 2010). The revenue, which is projected at ` 505.75 crore, is given in **Format 14(A) to (C)**.
- 2. Revenue deficit at current tariff –** The Annual Revenue Requirement (ARR) for FY 2012-13 is projected at ` 886.38 crore against the projected revenue of ` 505.75 crore, thus leaving a deficit of ` 380.63 crore, as shown in Table 11 below:

**Table 11: Revenue deficit at current tariff**

*(All figures are in ` Crore)*

Serial No.	Particulars	2012-13 (Projection)
1.	ARR projected for FY 2012-13	886.38
2.	Revenue at rates of the Tariff Order dated 23.08.2010.	505.75
3.	Surplus(+) / Shortfall(-)	(-) 380.63

**Tariff proposal for financial year 2012-13 -** To meet the shortfall of Rs 380.63 crore, the MeECL propose to revise the category-wise tariff for FY 2012-13 under LT, HT and EHT categories. The revenue at proposed tariff is indicated as **ANNEXURE-VI**.

- 3.** The proposed Distribution Tariff for FY 2012-13 is shown as **ANNEXURE VII**.
- 4.** The approval of the Board of Directors, MeECL of the proposed tariff is enclosed as **ANNEXURE VIII**.

Enclosed: As stated above.

Yours faithfully,

(K. N. War)

Superintending Engineer (RA&FD)

Memo No MeECL/SE(RA)/51/2011-12/24(a)

Dated 15<sup>th</sup> December 2011

Copy to:

1. PS to the Chairman-Cum-Managing Director for kind information of the Chairman-Cum-Managing Director, MeECL, Lum Jingshai, Shillong.
2. The Directors (Distribution)/ (Finance), MeECL, Lum Jingshai, Shillong for kind information.

Superintending Engineer (RA&FD)

---

*Save Energy for benefit of Self & Nation*

Name of the Licensee :Meghalaya Energy Corporation Limited

## Estimated Revenue at existing tariff for LT Category of Consumers : 2012-13

Sl. No.	Category	Connected Load (KW)	Fixed Charges per KW (Rs)	Total Fixed Charges (Rs in lakhs)	KWh Energy Sale (MU)	Slabs of Units		Sale in each slab (MU)	Existing tariff	Amount in each slab (in lakh)	Total amount for the category (lakh)	Average tariff for the year (paisa per kwhr)
									Rate (paisa per Kwhr)			
1	Domestic (DLT)	317594	25	952.782	292.800	First	100 Units	163.968	225	3689.280	8111.742	277
						Next	100 Units	79.056	250	1976.400		
						Above	200 Units	49.776	300	1493.280		
2	Commercial (CLT)	51323	50	307.938	67.050		All Units	67.050	387	2594.835	2902.773	433
3.	Industrial (ILT)	10498	50	62.985	8.310		All Units	8.310	336	279.216	342.201	412
4.	Agriculture (AP)	306	30	1.102	0.520		All Units	0.520	130	6.760	7.862	151
5.	Public Lighting (PL)	272	50	1.632	1.630		All Units	1.630	433	70.579	72.211	443
6.	Water Supply (WSLT)	5338	50	32.028	7.790		All Units	7.790	399	310.821	342.849	440
7.	General Purpose(GP)	12410	50	74.460	17.050		All Units	17.050	397	676.885	751.345	441
8.	Kutir Jyoti Unmetered (KJ-U)	15555	65	Rs per connection	12.350	49091	connections	12.350	-	382.910	382.910	310
	Kutir Jyoti Metered (KJ-M)						0-30 Units		170			
9	Crematorium	128	4200	0.504	0.200		All Units	0.200	250	5.000	5.504	275
10	Office/Employees (OE)				38.260			38.260	273	1044.498	1044.498	273
	<b>Total (LT)</b>	<b>413423</b>		<b>1433.431</b>	<b>445.960</b>			<b>445.960</b>		<b>12530.464</b>	<b>13963.894</b>	<b>313</b>

Name of the Licensee :Meghalaya Energy Corporation Limited

Estimated Revenue at existing tariff for HT Category of Consumers : 2012-13

Sl. No.	Category	Contract Demand (KVA)	Billing Demand (KVA)	KWh Energy Sale (MU)	Fixed Charge (F/C) Energy Charge (E/C)	Existing tariff	Total amount for the year (lakh)	Total amount for the category (lakh)	Average tariff for the year (paise per kwhr)
1.	Domestic (DHT)	13600	10200	20.070	F/C in Rs. per KVA	100	122.400	864.990	431
					E/C in paise per Kwhr	370	742.590		
2.	Commercial (CHT)	18910	14183	21.520	F/C in Rs. per KVA	100	170.190	899.718	418
					E/C in paise per Kwhr	339	729.528		
3.	Industrial (IHT)	165560	49668	393.860	F/C in Rs. per KVA	100	596.016	15680.854	398
					E/C in paise per Kwhr	383	15084.838		
4.	Water Supply (WSHT)	7410	5558	32.740	F/C in Rs. per KVA	100	66.690	1373.016	419
					E/C in paise per Kwhr	399	1306.326		
5.	Bulk Supply (BS) including ASEB supply	46680	35010	80.950	F/C in Rs. per KVA	100	420.120	3423.365	423
					E/C in paise per Kwhr	371	3003.245		
<b>6</b>	<b>Total (HT)</b>	<b>252160</b>	<b>114618</b>	<b>549.140</b>				<b>22241.943</b>	<b>405</b>
<b>7.</b>	<b>Total (HT+LT)</b>			<b>995.100</b>				<b>36205.837</b>	<b>364</b>

During 2011-12, the MeECL imposes restriction on drawal of power by the industrial HT and EHT consumers. The energy requirement in 2011-12 as per contracted demand is calculated to be 1873.32 MU, out of which only 624.32 MU is expected to be supplied, which constituted about 33 % of the contract demand. Therefore, in accordance with the MeECL's notification dated 30th March 2011 enclosed as ANNEXURE C, the fixed charge for industrial HT & EHT consumers for 2012-13 is calculated at 30 % of the contract demand.

Format- 14 (C)

Name of the Licensee :Meghalaya Energy Corporation Limited

Estimated Revenue at existing tariff for EHT Category of Consumers : 2012-13

Sl. No.	Category	Contract Demand (KVA)	Billing Demand (KVA)	KWh Energy Sale (MU)	Existing Tariff		Total Amt. for the Year (lakhs)	Total amount for the category (lakh)	Average tariff for the year (paise per kwhr)
1	EHT	97740	29322	388.280	F/C in Rs. per KVA	100	351.864	14368.772	370
					E/C in paise per Kwhr	361	14016.908		
<b>Total (LT+HT+EHT)</b>				<b>1383.380</b>				<b>50574.609</b>	<b>366</b>

During 2011-12, the MeECL imposes restriction on drawal of power by the industrial HT and EHT consumers. The energy requirement in 2011-12 as per contracted demand is calculated to be 1873.32 MU, out of which only 624.32 MU is expected to be supplied, which constituted about 33 % of the contract demand. Therefore, in accordance with the MeECL's notification dated 30th March 2011 enclosed as ANNEXURE C, the fixed charge for industrial HT & EHT consumers for 2012-13 is calculated at 30 % of the contract demand.

Format- 14 (D)

Name of the Licensee :Meghalaya Energy Corporation Limited

Estimated Revenue at existing tariff for Outside State Sale : 2012-13

Sl. No.	Category	Contract Demand (KVA)	Billing Demand (KVA)	KWh Energy Sale (MU)	Existing		Total Amt. for the Year (lakhs)	Total Amt. for the Category (lakhs)	Average Tariff for the Year (P/U)
1	Bilateral/UI			50.000	E/C in paise per Kwhr	300	1500.000	1500.000	300
2	Swapping			127.000					
	Total outside			<b>177.000</b>				<b>1500.000</b>	84.75
	<b>Grand Total</b>			<b>1560.380</b>				<b>52074.609</b>	<b>334</b>

ANNEXURE-VI

Estimated Revenue at proposed tariff for LT Category of Consumers : 2012-13

Sl. No.	Category	Connected Load (KW)	Fixed Charges per KW (Rs)	Total Fixed Charges (Rs in lakhs)	KWh Energy Sale (MU)	Slabs of Units		Sale in each slab (MU)	Proposed tariff	Amount in each slab (in lakh)	Total amt for the category (lakh)	Average tariff for the year (paise per kwhr)
									Rate (paise per Kwhr)			
1	Domestic (DLT)	317594	35	1333.89	292.80	First	100 Units	163.97	350	5738.88	12406.13	424
						Next	100 Units	79.06	385	3043.66		
						Above	200 Units	49.78	460	2289.70		
2	Commercial (CLT)	51323	75	461.91	67.05		All Units	67.05	555	3721.28	4183.18	624
3.	Industrial (ILT)	10498	75	94.48	8.31		All Units	8.31	501	416.33	510.81	615
4.	Agriculture (AP)	306	45	1.65	0.52		All Units	0.52	210	10.92	12.57	242
5.	Public Lighting (PL)	272	75	2.45	1.63		All Units	1.63	615	100.25	102.69	630
6.	Water Supply (WSLT)	5338	75	48.04	7.79		All Units	7.79	565	440.14	488.18	627
7.	General Purpose(GP)	12410	75	111.69	17.05		All Units	17.05	560	954.80	1066.49	626
8.	Kutir Jyoti Unmetered (KJ-U)	15555	75	Rs per connection	12.35	49091	connections	12.35		441.82	441.82	358
	Kutir Jyoti Metered (KJ-M)								260			
9	Crematorium	128	5000	0.60	0.20	First	All Units	0.20	385	7.70	8.30	415
10	Office/Employees (OE)				38.26			38.26	410	1568.66	1568.66	410
	<b>Total (LT)</b>	<b>413423</b>		<b>2054.71</b>	<b>445.96</b>			<b>445.96</b>		<b>18734.12</b>	<b>20788.83</b>	<b>466</b>

**Estimated Revenue at proposed tariff for HT Category of Consumers : 2012-13**

Sl. No.	Category	Contract Demand (KVA)	Billing Demand (KVA)	KVAh Energy Sale (MU)	Fixed Charge (F/C) Energy Charge (E/C)	Proposed tariff	Total amount for the year (lakh)	Total amount for the category (lakh)	Average tariff for the year (paise per Kvah)
1.	Domestic (DHT)	13600	10200	23.61	F/C in Rs. per KVA	200	244.80	1512.75	641
					E/C in paise per Kvah	537	1267.95		
2.	Commercial (CHT)	18910	14183	25.32	F/C in Rs. per KVA	200	340.38	1618.92	639
					E/C in paise per Kvah	505	1278.54		
3.	Industrial (IHT)	165560	49668	463.36	F/C in Rs. per KVA	250	1490.04	29060.24	627
					E/C in paise per Kvah	595	27570.20		
4.	Water Supply (WSHT)	7410	5558	38.52	F/C in Rs. per KVA	200	133.38	2367.40	615
					E/C in paise per Kvah	580	2234.02		
5.	Bulk Supply (BS) including ASEB supply	46680	35010	95.24	F/C in Rs. per KVA	200	840.24	5935.33	623
					E/C in paise per Kvah	535	5095.09		
<b>6</b>	<b>Total (HT)</b>	<b>252160</b>	<b>114618</b>	<b>646.05</b>				<b>40494.64</b>	<b>627</b>
<b>7.</b>	<b>Total (HT+LT)</b>			<b>1092.01</b>				<b>61283.47</b>	<b>561</b>

**Note**

During 2011-12, the MeECL imposes restriction on drawal of power by the industrial HT and EHT consumers. The energy requirement in 2011-12 as per contracted demand is calculated to be 1873.32 MU, out of which only 624.32 MU is expected to be supplied, which constituted about 33 % of the contract demand. Therefore, in accordance with the MeECL's notification dated 30th March 2011 enclosed as ANNEXURE C, the fixed charge for industrial HT & EHT consumers for 2012-13 is calculated at 30 % of the contract demand.

**Estimated Revenue at proposed tariff for EHT Category of Consumers : 2012-13**

Sl. No.	Category	Contract Demand (KVA)	Billing Demand (KVA)	KVAh Energy Sale (MU)	Proposed Tariff		Total Amt. for the Year (lakhs)	Total amount for the category (lakh)	Average tariff for the year (paise per Kvah)
					F/C in Rs. per KVA	E/C in paise per Kvah			
1	EHT	97740	29322	456.80	250		879.66	27374.06	599
					580		26494.40		
<b>Total (LT+HT+EHT)</b>				<b>1548.81</b>				<b>88657.53</b>	<b>572</b>

**Note** During 2011-12, the MeECL imposes restriction on drawal of power by the industrial HT and EHT consumers. The energy requirement in 2011-12 as per contracted demand is calculated to be 1873.32 MU, out of which only 624.32 MU is expected to be supplied, which constituted about 33 % of the contract demand. Therefore, in accordance with the MeECL's notification dated 30th March 2011 enclosed as ANNEXURE C, the fixed charge for industrial HT & EHT consumers for 2012-13 is calculated at 30 % of the contract demand.

## Tariff Proposal for FY 2012-13.

## (i). LT Category:

Category	Fixed charge for every KW or part thereof per month		Slabs of Units	Energy Charges (Paisa per kwhr)	
	Current	Proposed		Current	Proposed
Domestic (DLT)	Rs. 25.00	Rs 35.00	First 100 Units	225	350
			Next 100 Units	250	385
			Above 200 Units	300	460
Non Domestic/Commercial (CLT)	Rs. 50.00	Rs 75.00	All Units	387	555
Industrial (ILT)	Rs. 50.00	Rs 75.00	All Units	336	501
Agriculture (AP)	Rs. 30.00	Rs 45.00	All Units	130	210
Public Lighting (PL)	Rs. 50.00	Rs 75.00	All Units	433	615
Public Water Supply (WSLT)	Rs. 50.00	Rs 75.00	All Units	399	565
General Purpose (GP)	Rs. 50.00	Rs 75.00	All Units	397	560
MeECL Employees (EMPL)	-	-	All Units	273	410

Category	Fixed charge per month		Slab of Units	Energy Charges (Paisa per kwhr)	
	Current	Proposed		Current	Proposed
Crematorium (CRM)	Rs. 4200.00	Rs.5000.00	All Units	250	385

Category	Connection per month	Existing rates	Proposed rates
Domestic (DLT)	Un-metered Kutir Jyoti/BPLU	Rs. 65.00	Rs. 75.00
	Metered Kutir Jyoti/BPLM	Rs. 1.70 per unit for monthly consumption within 30 units per month. In case consumption in any month exceeds 30 units, then the billing of excess units shall be on the tariff prescribed for appropriate slab for normal domestic consumers.	Rs. 2.60 per unit for monthly consumption within 30 units per month. In case consumption in any month exceeds 30 units, then the billing of excess units shall be on the tariff prescribed for appropriate slab for normal domestic consumers.

## (ii). HT Category

Category	Fixed Charge (Rs / KVA / month)		Energy Charge (paisa per kvah)	
	Current	Proposed	Current	Proposed
Domestic HT	Rs.100.00	Rs 200.00	370	537
Public Service (Bulk supply)	Rs.100.00	Rs 200.00	371	535
Commercial (CHT)	Rs.100.00	Rs 200.00	339	505
Industrial (IHT)	Rs.100.00	Rs 250.00	383	595
Public Water Works (WSHT)	Rs.100.00	Rs 200.00	399	580

## (iii). EHT Category

Category	Fixed Charge (Rs / KVA / month)		Energy Charge (paisa per kvah)	
	Current	Proposed	Current	Proposed
Industrial (IEHT)	Rs.100.00	Rs 250.00	361	580



**MEGHALAYA ENERGY CORPORATION LIMITED**  
**CORPORATE AFFAIRS**

Lumjingshai, Short Round Road, Shillong:: (0)2591992:Ext-146:Fax :0364-2590355

No.MeECL/CA/307/2010/85

15<sup>th</sup> December 2011

EXTRACT OF THE RESOLUTION APPROVED BY CIRCULATION BY THE BOARD OF DIRECTORS OF THE COMPANY DATED 14<sup>th</sup> DECEMBER, 2011, UNDER SECTION 289 OF THE COMPANIES ACT, 1956.

Subject: DISTRIBUTION TARIFF 2012-13.

"RESOLVED THAT the "Estimated Revenue at Proposed Tariff from inside the State for the Financial Year 2012-13" calculated at Rs.886.57 crore alongwith the approved Tariff Petition 2012-13 and the Annual Revenue Requirement thereof, be and is hereby approved for placement with the MSERC.

RESOLVED FURTHER THAT Shri K.N. War, Superintending Engineer, Regulatory Affairs & Franchisee Development, Me.ECL be and is hereby authorized to file the above documents before the MSERC".

For Meghalaya Energy Corporation Limited

  
G.S. Mukherjee  
Company Secretary