

Ref. No. MERC/FAC/20122013/02624

Date: 13 February 2013

To,
The Managing Director,
Maharashtra State Electricity Distribution Company Ltd.,
5th Floor, Prakashgad, Plot No. G-9,
Bandra (East),
Mumbai – 400 051.

Subject: Post Facto approval of FAC submissions of MSEDCL for July 2012

Reference: a) MSEDCL's FAC submission of month of July 2012 received vide MSEDCL/PP/FAC/L7/28371 Dated 16.10.2012
b) Clarificatory E Mail reply received from MSEDCL on 04 January 2013
c) Clarificatory E Mail reply received from MSEDCL on 23 January 2013

Sir,

Upon vetting the FAC calculations for the month of July 2012 submitted vide letter under above reference, the Commission has accorded post facto approval for charging to its consumers the FAC amount (net of excess T&D loss) of **Rs. 278.4279 Crore** for the month of July 2012, as detailed below.

The Commission has notified on 28th February 2011 the Amendment Regulations for recovery of Fuel Adjustment Cost charges from the Consumers in a proportionate manner. Accordingly, the Commission has also approved the category wise and slab wise tabulation for recovery of the said FAC charges by MSEDCL from its Consumers. The adjustments (positive or negative) arising out of the apportionment as above is to be carried forward by MSEDCL to the next month.

The summary of the FAC claim for the month of July 2012 as approved by the Commission is shown in the Tables below:-

Table-1

| Sr. No. | Particulars | Unit | July 2012 |
|----------------|--|-------------|--|
| 1 | FAC (A) considering cap on Monthly FAC Charge | Rs Crore | 278.4279 |
| 2 | FAC (A) disallowed corresponding to excess T&D loss | Rs Crore | - |
| 3 | FAC (A) charged as per category wise and slab wise | Rs Crore | 554.3811 |
| 4 | C/f from Previous month. | Rs Crore | 1,330.2922 |
| 5 | Under/over recovery from 6.6 statement 3. | Rs Crore | 4.0218 |
| 6 | Total FAC to be charged in current month 6=(3+4+5) | Rs Crore | 1,888.6951 |
| 7 | Actual FAC charged in current month category wise and slab wise 5. | Rs Crore | 278.4279 |
| 8 | Carried forward FAC (A) for recovery during future period 8=(6-7) | Rs Crore | 1,610.2671 |
| 5 | FAC rate | Paise/kWh | Proportionate. See Table-6A & 6B of Annexure attached with this letter. |
| 6 | FAC rate (unmetered) | | |
| 6.1 | -LT-Ag (>1318 hours per year) | Rs/hp/month | |
| 6.2 | -LT-Ag (<1318 hours per year) | Rs/hp/month | |

Yours faithfully,

Sd/-
(Kuldip N. Khawarey)
Secretary, MERC

Encl: Annexure: Detailed Vetting Report for the month of July 2012

Cc as enclosed:

Names and Addresses of Consumer Representatives authorized as per Sec 94 (3) of EA 2003

| | |
|---|---|
| Prayas Energy Group, Amrita Clinic, Athawale Corner, Lakdipool-Karve Road Junction, Deccan Gymkhana, Karve Road, Pune 411 004. | The President, Mumbai Grahak Panchayat, Grahak Bhavan, Sant Dyaneshwar Marg, Behind Cooper Hospital, Vile Parle (West), Mumbai 400 056. |
| The General Secretary, Thane Belapur Industries Association, Plot No.P-14, MIDC, Rabale Village, PO Ghansoli, Navi Mumbai 400 7001 | The President, Vidarbha Industries Association, 1 st floor, Udyog Bhawan, Civil Lines, Nagpur 440 001. |

Post Facto approval of FAC Charges for the month of July 2012 submitted by MSEDCL

Subject: Post Facto approval of FAC submissions of MSEDCL for July 2012

Reference:

- a) MSEDCL's FAC submission of month of July 2012 received vide MSEDCL/PP/FAC/L7/28371 Dated 16.10.2012
- b) Clarificatory E Mail reply received from MSEDCL on 04 January 2013
- c) Clarificatory E Mail reply received from MSEDCL on 23 January 2013

1. FAC submission by MSEDCL:

1.1 MSEDCL had submitted the FAC submission for the month of July 2012 on 16 October 2012. After scrutiny of the said submissions, an initial set of queries was forwarded to MSEDCL on 21 December 2012. Clarifications were received from MSEDCL for some of the above mentioned queries on 04 January 2013 and for the remaining queries on 18 January 2013. An additional set of queries was sent to MSEDCL on 14 January 2013. MSEDCL provided the explanations and clarifications for all the queries on 23 January 2013.

Upon vetting the FAC calculations, taking cognizance of all the clarifications furnished by MSEDCL to the queries raised, the Commission has accorded post facto approval for the FAC amount for the said month July 2012, as detailed below.

2. Background

2.1 The Commission issued Tariff Order for MSPGCL, dated 12 September 2010 (Case 102 of 2009), for Truing up for FY 2008-09, Annual Performance Review for FY 2009-10 and Determination of Tariff for FY 2010-11.

2.2 The Commission had appointed CPRI (A Govt. of India enterprise) to conduct tests and recommend "Achievable performance parameters" of MSPGCL's thermal stations, whose report had guided the Commission to specify achievable performance parameters for the said year, taking into consideration the plant degradations.

2.3 The Commission issued Tariff Order for MSEDCL, dated 12 September 2010 (Case 111 of 2009), approving principles of Annual Revenue Requirement (ARR) and Tariff for FY 2010-11 and has also mentioned about the parameters and mechanism for computation of FAC.

2.4 The Commission issued a Review Order on 2 December 2010 in the matter of Case 69 of 2010, "Application under Regulation 85 of the MERC (Conduct of Business) Regulations, 2004, by Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL) seeking review of the Order dated 12th September, 2010 in Case No. 111 of 2009 in respect of MSEDCL's Annual Performance Review (APR) for FY 2009-10, true up for

FY 2008-09 and ARR and Tariff Determination for FY 2010-11” whereby the Tariffs of various categories of Consumers were revised.

- 2.5 The Commission issued Order on 31 October 2011 in Case 100 of 2011 in the matter of Petition of MSEDCL seeking Final True up for the FY 2009 -10, Provisional True Up for the FY 2010 -11 and Annual Performance Review for the FY 2010-11, whereby the Commission has allowed MSEDCL to levy additional charges on and above the tariff charged to its consumers, with effect from 1 November 2011.
- 2.6 The Commission has notified on 28 January 2011 the “MERC (Terms and Conditions of tariff) (Amendment) Regulations, 2011” for recovery of Fuel Adjustment Cost charges from the Consumers in a proportionate basis as per its tariff category/sub-category/consumption slab.
- 2.7 The Commission, vide Order in Case No. 43 of 2012, has allowed MSEDCL to recover an accumulated amount of Rs 1483 Crore from its consumers through monthly energy bills in six equal installments from June 2012 to November 2012. The additional amount as above has to be recovered proportionate to the Tariff charged to the consumers as per the respective category and slabs. Accordingly MSEDCL has started recovery of the same from the month of June 2012. The vetting and approval of the said additional FAC recovery by MSEDCL will be done at the end of the said Six Month period as allowed by the Commission i.e. at the time of Vetting of the FAC Submissions for the month of November 2012. Any discrepancy in the recovery of Additional FAC of 1483 Crore will need to be addressed appropriately at that time.

3. FAC Mechanism

- 3.1 The Commission has taken cognisance of the directives issued in all the above orders and has accordingly approved FAC charges for the month of July 2012 in accordance with the principles stipulated therein and the MERC (Terms and Conditions of Tariff) Regulations, 2005. Any variance on account any further Reviews / Amendments will be addressed during the true-up.
- 3.2 Subsequent to the approval of the aggregate FAC amount, the Commission has also approved the apportionment of the said recovery from the consumers, based on the tariff categories and consumption slabs up to respective ceilings of 10%.
- 3.3 MSEDCL procures power from:
 - a. MSPGCL (Internal Source)
 - b. Central Allocation
 - c. Bilateral Procurements (Power Exchange, Traders, etc.)
 - d. Renewable Energy Sources
 - e. Infirm Power (MSPGCL units under commissioning, other infirm sources)
Paras Unit 3, Parli U 6 and Khaparkheda U 5 of MSPGCL, as well as Korba U 3 and Sipat U 1 of NTPC and CGPL respectively, are not approved sources as per in Case No. 111 of 2009 dated September 12, 2010 and hence total power purchase cost from these sources is considered separately, along with traders.

4. Details of approval:

4.1 Approval:

The Commission has accorded post facto approval for the FAC amount (net of T & D loss for the month of *July 2012 of Rs. 278.4279 Crore*. The summary of the FAC claim as approved by the Commission is shown in the Table below:-

Table -1

| Sr. No. | Particulars | Unit | July 2012 |
|----------------|--|-------------|-------------------|
| 1 | FAC (A) considering cap on Monthly FAC Charge | Rs Crore | 278.4279 |
| 2 | FAC (A) disallowed corresponding to excess T&D loss | Rs Crore | - |
| 3 | FAC (A) charged as per category wise and slab wise | Rs Crore | 554.8311 |
| 4 | C/f from Previous month. | Rs Crore | 1,330.2922 |
| 5 | Under/over recovery from 6.6 statement 3. | Rs Crore | 4.0218 |
| 6 | Total FAC to be charged in current month 6=(3+4+5) | Rs Crore | 1,888.6915 |
| 7 | Actual FAC charged in current month category wise and slab wise 5. | Rs Crore | 278.4279 |
| 8 | Carried forward FAC (A) for recovery during future period 8=(6-7) | Rs Crore | 1,610.2671 |

After the apportionment, the under-recovered FAC amount to be carried forward to the month of Aug 2012 is **Rs. 1610.2671 Crore**.

5. Analysis of FAC proposal submitted by MSEDCL and computation of FAC charges is as below:

a) Generation by MSPGCL stations: (Ref: Details in Form 1.3 of FAC submission)

- The Plant Load Factor for the month of July for all the generating stations is substantially below 80%. At Parli Unit 7 and Paras Unit 3 it is considerably low at around 22%. A clarification was sought from MSEDCL for such low PLF at the two stations. It was explained that, at Parli-7, there was planned outage due to which the loss of generation was 26% and shortage of coal resulted in loss of generation by 25.6 %. At Paras-3, there was planned outage due to which the loss of generation was 48% and Forced outages which resulted into loss of generation to the tune of 15%. This is noted by the Commission.
- The actual Gross generation at MSPGCL plants (Hydel, Thermal and Gas excluding Paras 3 and Parli 6 Stations) as per the FAC submissions for the month July 2012 is **3120.52 MUs**. (Order value 5040.02 MUs).

- The generation Capacity at Nashik Station for the month has been shown at 630 MW as Nashik Unit # 1 & 2 (2 x 125 MW) have been retired. The same has been considered by Commission while approving the MSPGCL's tariff for FY 12-13.

b) **Variable Cost of Generation:**

MSEDCL has submitted the break-up of purchase price of different fuels for all stations of MSPGCL, certified by Chartered Accountant.

i) **Variable Fuel Cost:**

MSEDCL has considered the base variable fuel cost for each station as approved by the Commission in the APR Order of MSPGCL of 12th September 2010 (Case 102 of 2009) and in conformity with the directions given in the Commission's letter MERC/MON/FAC/MSEDCL/09/2637 dated November 20, 2009

The summary of fuel related costs for the month of July 2012 for existing generating stations of MSPGCL as approved by the Commission after detail vetting is shown in the Table below:

Table-2

| Sr. No. | Detail | Unit | July 12 |
|----------------|--|-------------|-----------------|
| 1 | Actual Fuel Cost | Rs. Crore | 753.0407 |
| 2 | Normative Actual Fuel cost | Rs. Crore | 713.1657 |
| 3 | Net Generation | MUs | 2,548.79 |
| 4 | Approved variable cost of generation (Order) | Rs./kWh | 1.7537 |
| 5 | Actual average variable cost of generation | Rs./kWh | 2.9545 |
| 6 | Average Normative variable cost of generation | Rs./kWh | 2.7980 |
| 7 | Change in variable cost of generation = {(3)X[(6)-(4)]}/10 | Rs. Crore | 266.1667 |

ii) **Transit Loss of Fuel:**

In case of calculation of the value of the Transit Loss (in Rs Lacs) for the generating stations, the valuation derived appeared to be very high as compared to the net Transit Loss reported, when compared to the Purchase price of Raw coal. MSEDCL/MSPGCL's has submitted the following explanation :

“Transit Loss for each rake is not same and similarly the landed cost for each rake vary as each MSPGCL station sources domestic coal from a number of collieries spread over a wide region. Hence MSPGCL stations book rake wise transit loss in quantity as well as in amount. TL Amount booked for a rake = TL quantity for the rake X provisional receipt rate including freight for the rake. Based on this, the consolidated monthly statement for the stations is

prepared for consideration of Transit loss for the month in FAC computation.(Σ Quantities for all rakes and Σ Amounts for all rakes)

In case of Khaperkheda TPS, for the month of July 2012, coincidentally due to lesser rate of coal per ton in negative TL cases & higher rate of coal per ton in positive TL cases, the net result is having TL of 31.30 MT in quantity & but TL amount booked is Rs. 20,26,302.00 i.e. Rs. 64,728.00 / MT. Negative & positive transit loss to various collieries resulted into reduction in TL quantity but due to wide difference in landed price , the TL amount not reduced to that extent & hence it is appearing that rate per ton for TL booking is very high.”

The Commission has noted from the above explanation that such odd figures are arrived at, due to weightment discrepancies at the sending end and receiving end. These need to be addressed without delay

iii) Variable cost of power purchase

The Commission has considered the increase in power purchase cost in case of approved power purchase sources as per the APR order of MSEDCL of September 12, 2010 (Case 111 of 2009) which is applicable from September, 2010 (See Appendix).

MSEDCL has submitted the data for the power purchase certified by Chartered Accountant.

The details of power purchase by MSEDCL for July 2012 are given below:

Table-3

| Sr. No. | Details | Unit | July 12 |
|----------------|---|-------------|----------------|
| 1 | Net Energy Purchase | MUs | 4427.47 |
| 2 | Variable Cost of Energy purchased | Rs. Crore | 1,274.9009 |
| 3 | Average Rate of energy purchased | Rs./kWh | 2.88 |
| 4 | Approved Rate for Energy purchase (Order) | Rs./kWh | 2.31 |

c) Unscheduled Interchange (UI) Charges:

MSEDCL has procured (97) MUs through UI at average rate of **Rs. 3.20 per kWh**, in the month of July 2012 at the net cost of **Rs. (31.1342) Crore**.

d) Scheduled Energy Received in grid through Imports from various regions and losses:

MSEDCL has claimed losses in power purchase through grid at (83) MUs in the month of July 2012, as the difference between the Scheduled Energy (including UI) and Actual sale.

The Commission has considered the losses in the grid as submitted by MSEDCL.

e) **Total sales in licensed area:**

The total sales in its licensed area have been presented by MSEDCL in the following manner:-

- a. Metered sales include the total sales metered for the HT and LT consumers in its area.
- b. Unmetered sales are the assessed sales of unmetered consumers.

These are shown in Form 1.1 of FAC statement as the total sales of the area (gross). From these, those which are eligible for FAC are separated out by deducting the HT credits given (for HT consumers having own small sources injected in network, temporary supplies, etc) to indicate net sales in licensed area which are tabulated in form 8.1 of FAC submission.

The details as above are tabulated below:

Table 4

| Sr. No. | Detail | Unit | July 12 | Ref FAC submission Form |
|----------------|--|-------------|----------------|--|
| 1 | Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order. | MUs | 6035.76 | Item No. 5 of FAC submission Form 1.1 |
| 2 | Total sales of categories below 1318 Hrs/yr and above 1318 Hrs/yr for the said month | MUs | 864.60 | Sum of assessed energy sold in FAC submission Form 1.2 |
| 3 | Less: Credit for HT injections, temporary supply, interstate, wheeling etc | MUs | -42.16 | Entry with explanation in FAC submission Form 7.1, for item No.1 |
| 4 | Total of item 1 and 2 | MUs | 6900.37 | |
| 5 | Grand total of items 1, 2 and 3 | MUs | 6858.21 | Item 2.1 of FAC submission form 8.1 |

Order Values for month of July 2012: Metered Sales: 5284.25 MUs, Unmetered Sales: 542.00 MUs.

f) **Interest on working capital** –

MSEDCL has mentioned that 10.25% is the rate of Interest for working capital. However, no IWC has been claimed in the format 6.5 submitted for claiming the IWC incurred. Hence Interest on working capital has not been considered for the said month. As per APTEL judgment, interest on the difference of normative actual cost and approved cost of fuel in a month is eligible for payment through FAC mechanism, in case such claim is made along with supportive documentation. Else it will be addressed through the Annual True-up.

g) **Adjustment factor-**

The computation of Adjustment factor is as shown in the following table.

Table-5A
Adjustment Factor

| Sr. No | Parameter | Unit | July 12 |
|------------|---|----------|-----------|
| (A) | (B) | (C) | |
| | | | |
| 1.0 | Adjustment for over-recovery/under-recovery ('B') | | |
| 1.1 | Incremental cost allowed to be recovered in Month (July 12) | Rs Crore | 277.7444 |
| 1.2 | Incremental cost in Month j-4 actually recovered in month j-2 (April -2012) | Rs Crore | 273.7226 |
| 1.3 | Over-recovery/under-recovery (1.2-1.1) | Rs Crore | 4.0218 |
| | | | |
| 2.0 | C/f DUE TO FORMULA ERROR | Rs Crore | (31.8617) |
| | | | |
| 3.0 | Adjustment factor for over-recovery/under-recovery | Rs Crore | (31.8617) |

4. Transmission and Distribution Loss:

Transmission Loss:

In the FAC submission, MSEDCL has reported Transmission loss for the month as **0.19%** as against approved order value of 4.85% for InSTS. A query was sent to MSEDCL regarding the discrepancy. The explanation as provided by MSEDCL for such low Transmission Loss calculation is as follows,

“The reason for such low transmission loss as specified by MSEDCL is due to the open access, which is considered in total Input of MSEDCL. This issue is now near to be resolved, the cumulative effect of this will be corrected as soon as this issue resolved.”

The Commission observes that the said problem has been recurring on account of some lacuna in FBSM which is required to be addressed by SLDC as well as all member of the balancing and settlement pool .

Distribution loss:

For the months of July 2012, MSEDCL has reported Distribution Loss of **5.52%**. Thereby, the Cumulative Distribution loss up to the month of June 2012 is **13.47 %** against approved Distribution loss of 17.20%. As the reported distribution loss (cumulative up to the month) is

less than the stipulated limit value of Distribution loss for the FY, no deductions have been made from FAC charges.

5. Energy Sales for within License area:

The net energy sales within licence area as submitted by MSEDCL in the FAC submission, after deducting the HT credits, temporary supply etc as explained above, and as approved by the Commission are as below:

| Month | Sales (In MUs) |
|--------------|-----------------------|
| July 2012 | 6858.21 |

6. Summary:

The summary of the FAC amount as approved by the Commission for the months of July 2012 is shown in the Tables below:-

The Commission has approved FAC chargeable in the month of July as **Rs. 278.4279 Crore** and has allowed to be carried forward to the next month (Aug 2012) for recovery **Rs. 1610.2671 Crore**, arrived at as the sum of the following quantities:

- a) Difference between FAC allowed to be recovered in the month j-4 and the FAC actually recovered in the current month.
- b) Difference between the FAC chargeable as per formula and that chargeable as per Order value on account of difference in MUs consumed by various categories with respect to Order values
- c) Excess amount above cap applied to any categories.
- d) Carried forward amount from the previous month
- e) Formula error of previous months FAC submission in Form 8.3

This is approved.

Table-5B

| Sr. No. | Parameter | Unit | Value |
|------------|--|----------------|-------------------|
| (A) | (B) | (C) | (D) |
| 1.0 | Calculation of FAC (A) | | |
| 1.1 | Disallowance of change in variable cost of generation corresponding to excess auxiliary consumption | Rs Lakh | - |
| 1.2 | Change in weighted average variable cost of generation and power purchase after accounting for disallowance of change in variable cost corresponding to excess auxiliary consumption | Rs Lakh | - |
| 1.3 | Apportionment of change in variable cost of generation and power purchase to License Area (C) | Rs Lakh | 58,983.32 |
| 1.4 | Working Capital Interest (I) | Rs Lakh | - |
| 1.5 | T & D Loss Adjustment for the year | | - |
| 1.6 | Adjustment for Over Recovery/Under Recovery (B) | Rs Lakh | (3,186.17) |
| 1.7 | FAC (A) = C + I + B | Rs Lakh | 55,797.15 |
| 2.0 | Calculation of FAC_{kWh} | | |
| 2.1 | Sale within License Area | MU | 6,858.21 |
| 2.2 | Excess T&D Loss | MU | - |
| 2.3 | FAC Charge (FAC _{kWh}) without considering cap on monthly FAC Charge | Paise/kWh | 81.36 |
| 2.4 | Cap on monthly FAC Charge | Paise/kWh | 40.60 |
| 2.5 | FAC Charge (FAC _{kWh}) considering cap on monthly FAC Charge | Rs/kWh | 0.4060 |
| 3.0 | FAC (A) | | |
| 3.1 | FAC (A) considering cap on Monthly FAC Charge | Rs Lakh | 27,842.79 |
| 3.2 | FAC (A) disallowed corresponding to excess T&D loss | Rs Lakh | - |
| 3.3 | FAC (A) charged as per 8.3 categorywise and slabwise 1 | Rs Lakh | 55,438.11 |
| 3.4 | C/f from Previous month 2. | Rs Lakh | 133,029.22 |
| 3.5 | Under/over recovery from 6.6 statement 3. | Rs Lakh | 402.18 |
| 3.6 | Total FAC to be charged in current month 4=(1+2+3) | Rs Lakh | 188,869.51 |
| 3.7 | Actual FAC charged in current month categorywise and slabwise 5. | Rs Lakh | 27,842.79 |
| 3.8 | Carried forward FAC (A) for recovery during future period (4-5) | Rs Lakh | 161,026.71 |

7. Recovery from Consumers:

As notified on 28th January 2011, vide Maharashtra Electricity Regulatory Commission (Terms and Conditions of Tariff) (Amendment) Regulations, 2011, the Commission has amended the Regulations applicable to recovery of FAC as follows:

“82.6 The monthly FAC charges of a particular tariff category/sub-category/consumption slab shall not exceed 10% of the variable component of tariff of that tariff category/sub-category/consumption slab, or such other ceiling as be stipulated by the Commission from time to time.

Provided that any excess in the FAC charge over the above ceiling shall be carried forward by the Distribution Licensee and shall be recovered over such future period as be directed by the Commission.

Provided further that in case of un-metered consumers, ceiling of FAC charges shall be calculated by multiplying the ceiling of FAC charges of metered sub-category by the ratio of Average Billing Rate (ABR) of respective un-metered sub-category to ABR of metered sub-category within the same tariff category.

“82.10. Calculation of FAC per kWh for a particular tariff category/sub-category/consumption slab shall be as per the following formula:

*FACCat Rs/kWh = (FAC / (Metered sales + Unmetered consumption estimates + Excess distribution losses)) * K * 10*

Where:

FACCat = FAC for a particular tariff category/sub-category/consumption slab in ‘Rupees per kWh’ terms.

K = (Energy Charge) / (ACOS)

Where,

Energy Charge = Energy Charge for a particular tariff category / sub-category/ consumption slab under consideration in ‘Rupees per kWh’ as approved by the Commission in Tariff Order.

ACOS = Average Cost of Supply in ‘Rupees per kWh’ as approved for recovery by the Commission in Tariff Order.

Based on the above amendment, MSEDCL has calculated the “FAC apportioned to each Tariff Category and as per applicable slab”,

As the FAC has been limited to the cap of 10% of the energy charge at each consumer slab/category, because of the energy consumption of the respective categories being at slight plus or minus variances as compared to the Order values, in spite of the fact that the FAC in certain categories has reached the cap values, the average FAC is Rs. 0.4060/kWh which is lesser than the average cap value Rs. 0.455/kWh

Table 5C

| Sr. No. | Details | Unit | July 12 |
|----------------|---|----------------|--------------------|
| 1 | Sales in licensed area | MUs | 6,858.21 |
| 2 | FAC(A) =C+I+B | Rs Lakh | 55,797.15 |
| 3 | FAC (A) disallowed corresponding to excess T&D loss | Rs Lakh | - |
| 4 | FAC kWh | Rs/kWh | 0.4060 |
| 5 | FAC (A) charged as per 8.3 category wise and slab wise 1 | Rs Lakh | 55,438.11 |
| 6 | C/f from Previous month. | Rs Lakh | 1,330.2922 |
| 7 | Under/over recovery from 6.6 statement 3. | Rs Lakh | 402.18 |
| 8 | Total FAC to be charged in current month 8=(5+6+7) | Rs Lakh | 1,88,869.51 |
| 9 | Total FAC | Rs/kWh | 2.7539 |
| 10 | Actual FAC charged in current month category wise and slab wise 5. | Rs Lakh | 27,842.79 |
| 11 | FAC charged | Rs/kWh | 0.4060 |
| 12 | Carried forward FAC (A) for recovery during future period 12=(8-10) | Rs Lakh | 1,61,026.71 |

Table-6 A

| Sr. No. | Categories | Approved energy charges | FAC To be Charged In The Billing Month |
|----------------|--|--------------------------------|---|
| A | LT Category | Rs/kWh | Paisa/kWh |
| 1 | Domestic (LT-I) | | |
| A | BPL (0-30 Units) | 0.89 | 8.90 |
| B | Consumption > 30 Units per month | | |
| i | 1-100 Units | 2.82 | 28.24 |
| ii | 101-300 Units | 5.00 | 49.98 |
| iii | 301-500 Units | 7.15 | 71.51 |
| iv | 500-1000 Units | 8.29 | 82.94 |
| v | Above 1000 Units | 8.55 | 85.54 |
| | Sub Total Domestic | | |
| 2 | Non Domestic (LT-2) | | |
| A | 0-20 KW | | |
| i | Educational institute and Hospitals | | |
| a | 0-200 Units | 4.92 | 49.22 |
| b | Above 200 units | 6.87 | 68.66 |
| ii | Others | | |
| a | 0-200 Units | 5.15 | 51.52 |
| b | Above 200 units | 7.38 | 73.82 |
| B | >20-50 KW | 7.44 | 74.37 |
| | >50 KW | 9.61 | 96.12 |
| 3 | Public Water Works (LT-III) | | |
| A | 0-20 KW | 1.97 | 19.66 |
| B | 20-40 KW | 2.54 | 25.38 |
| C | 40-50 KW | 3.45 | 34.50 |
| 4 | Agriculture (LT-IV) | | |
| A | Unmetered Tariff | | |
| 1 | Zones with Consumption norm < 1318 Hrs/HP/Annum 980 hrs basis | | |
| | A) 0-5 HP | 1.97 | 12.00 Rs/HP |
| | B) Above 5 HP | 2.21 | 12.00 Rs/HP |

| Sr. No. | Categories | Approved energy charges | FAC To be Charged In The Billing Month |
|----------------|---|--------------------------------|---|
| 2 | Zones with Consumption norm > 1318 Hrs/HP/Annum 1734 Hrs basis | | |
| | A) 0-5 HP | 2.42 | 29.30 Rs/HP |
| | B) Above 5 HP | 2.71 | 29.30 Rs/HP |
| B | Metered Tariff (Including Poultry Farms) | 1.76 | 17.58 |
| 5 | LT Industries (LT-V) | | |
| A | 0-20 KW | 4.46 | 44.61 |
| B | Above 20 KW | 6.17 | 61.74 |
| | TOD Consumption | | |
| | 2200 Hrs-0600 Hrs | | |
| | 0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs | | |
| | 0900 Hrs-1200 Hrs | | |
| | 1800 Hrs-2200 Hrs | | |
| 6 | Street Light (LT-VI) | | |
| A | Grampanchayat A, B & C Class Municipal Council | 3.55 | 35.48 |
| B | Municipal corporation Area | 4.23 | 42.29 |
| 7 | Temporary Connection (LT-VII) | | |
| A | Temporary Connection (Religious) | 2.88 | 28.79 |
| B | Temporary Connection (Other Purposes) | 13.16 | 131.60 |
| 8 | Advertising and Hording (LT-VIII) | 18.30 | 183.01 |
| 9 | Crematorium & Burial (LT-IX) | 2.88 | 28.79 |

Table 6- B

| Sr. No. | Categories | Approved energy charges | FAC To be Charged In The Billing Month |
|------------|--|-------------------------|--|
| B | HT CATEGORY | Rs/kWh | Paisa/kWh |
| | HT-I – Industries | | |
| A | HT-I - Cont (Express Feeders) | 6.03 | 60.306 |
| B | HT-I – Non Cont (Non Express Feeders) | 5.49 | 54.92 |
| C | HT-I - Seasonal Category | 6.75 | 67.458 |
| 2 | HT-II Commercial | | |
| a | Express Feeder | | |
| i) | Education Institute and Hospitals | 8.75 | 87.547 |
| ii) | Other | 9.10 | 90.958 |
| b | B) Non-Express Feeder | | |
| i) | Education Institute and Hospitals | 8.18 | 81.832 |
| ii) | Other | 8.52 | 85.243 |
| | Total HT II Commercial | | |
| 3 | HT-III Railways | 6.64 | 66.351 |
| 4 | HT-IV Public Water Works (PWW) | | |
| A | Express Feeders | 4.30 | 42.951 |
| B | Non-Express Feeders | 4.12 | 41.195 |
| | Total HT-IV Public Water Works (PWW) | | |
| 5 | HT-V Agricultural | 2.46 | 24.607 |
| 6 | HT-VI Bulk Supply | | |
| A | Residential Complex | 4.25 | 42.521 |
| B | Commercial Complex | 7.24 | 72.359 |
| | HT Residential | | |
| | 0-100 Units | | |
| | 101-300 Units | | |
| | 301-500 Units | | |
| | 501-1000 Units | | |
| | Above 1000 Units | | |
| 7 | Total HT-VI Bulk Supply | | |
| 8 | Mula Pravara Electric Co-op Society (MPECS) | 0.00 | 0.00 |
| 9 | Temporary Supply | 11.30 | 112.995 |

APPENDIX 1.1

Assumptions/Norms as per APR order for MSPGCL dated September 12, 2009 (Case 102 of 2009),

Summary of New Norms:

1.1 Purchases from MSPGCL:

| Station | Net Gen (MUs) | Energy Charge as per Order (Rs/kWh) | Approved Heat Rate applicable kCal/kWH | Approved Auxiliary Consumption % |
|-------------|---------------|-------------------------------------|--|----------------------------------|
| Khaparkheda | 5,458.81 | 1.77 | 2559.9 | 9.74 |
| Paras | 337.45 | 1.82 | 3186.5 | 12.45 |
| Bhusawal | 2,946.27 | 2.1 | 2733.9 | 10.55 |
| Nasik | 5,394.24 | 2.22 | 2721.9 | 10.95 |
| Parli | 4,172.35 | 1.91 | 2744.6 | 11.15 |
| Koradi | 6015.64 | 1.61 | 2964.8 | 10.70 |
| Chandrapur | 14,898.24 | 1.56 | 2617 | 9.15 |
| Paras -3 | 1,594 | | 2500 | 9.0 |
| Parli -6 | 1,594 | | 2500 | 9.0 |
| Uran | 5745.20 | 1.68 | 1980 | 2.40 |

1.2 Purchases

| Particulars | Approved MU Annual | Approved Variable Cost (Rs./kWh) |
|-------------------------|-------------------------------|---|
| MSPGCL | 50490 | |
| Korba STP | 5096 | 0.69 |
| Vindhayanchal STP I | 3395 | 1.02 |
| Vindhayanchal STP II | 2652 | 1.24 |
| Vindhayanchal STP III | 2211 | 1.45 |
| KAWAS APM | 1345 | 1.30 |
| GANDHAR APM | 1314 | 2.52 |
| Farakka STPP-EP | 129 | 2.23 |
| Kahalgaon TPS-EP | 61 | 2.50 |
| KahalgaonTPS-II | 511 | 2.13 |
| TSTPS-EP | 84 | 1.01 |
| Sipat Stage - II | 2242 | 1.65 |
| NTPC | 19040 | 1.25 |
| Kakrapar APP | 368 | 2.15 |
| Tarapur APP 1&2 | 1206 | 0.94 |
| Tarapur APP 3&4 | 1934 | 2.73 |
| NPCIL | 3507 | 2.05 |
| Saradar Sarovar Project | 635 | 2.05 |
| PENCH | 240 | 2.05 |
| U.I. CHARGES | 0 | 3.00 |
| DODSON-I | 21 | 2.99 |
| DODSON-II | 43 | |
| RGPPL | 11000 | 2.88 |
| TOTAL PP | 23423 | |
| NCE Sources | 4114 | |
| CPPs | 392 | |