

Ref. No. MERC/TECH-III/FAC/2012-2013/02029

Date: 13 December 2012

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 April 2012, May 2012 & June 2012

Reference:

- a. MSEDCL's initial FAC submission of month of April 2012 received vide MSEDCL/PP/FAC/L7/20517 of 18th July 2012
- b. MSEDCL's initial FAC submission of month of May 2012 & June 2012 received vide MSEDCL/PP/FAC/L7/26367 of 14th September 2012
- c. MSEDCL's Corrected FAC submission of month of April 2012, May 2012 & June 2012 received on 10th October 2012

Sir,

Upon vetting the FAC calculations for the months of April, May and June 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) for the months of April, May and June 2012, as detailed below:

Month	FAC Amount (Rs. Crores)
April 2012	277.7444
May 2012	293.0002
June 2012	302.3071

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 months of April, May and June 2012 as approved by the Commission is shown in the Tables below:-

Table-1

Sr. No.	Particulars	Unit	April 2012	May 2012	June 2012
1	FAC (A) considering cap on Monthly FAC Charge	Rs Crores	277.7444	293.0002	302.3071
2	FAC (A) disallowed corresponding to excess T&D loss	Rs Crores	-	-	-
3	FAC (A) charged as per category wise and slab wise	Rs Crores	915.7007	738.5792	548.2166
4	C/f from Previous month.	Rs Crores	-	626.0457	1038.4596
5	Under/over recovery from 6.6 statement 3.	Rs Crores	(11.9106)	(33.1651)	(122.2415)
6	Total FAC to be charged in current month 6=(3+4+5)	Rs Crores	903.7091	1331.4598	1464.4347
7	Actual FAC charged in current month category wise and slab wise 5.	Rs Crores	277.7444	293.0002	302.3071
8	Carried forward FAC (A) for recovery during future period 8=(6-7)	Rs Crores	626.0457	1038.4596	1330.2922
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 months of April, May and June 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 Dynyaneshwar 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 April, May and June 2012 submitted by
MSEDCL**

- Reference:**
- a. MSEDCL's initial FAC submission of month of April 2012 received vide MSEDCL/PP/FAC/L7/20517 of 18th July 2012
 - b. MSEDCL's initial FAC submission of month of May 2012 & June 2012 received vide MSEDCL/PP/FAC/L7/26367 of 14th September 2012
 - c. MSEDCL's Corrected FAC submission of month of April 2012, May 2012 & June 2012 received on 10th October 2012

1. FAC submission by MSEDCL:

- 1.1 MSEDCL had submitted the FAC submission for April, May and June 2012 as per references above. Upon scrutiny of the said submission, the Commission observed some errors and these were brought to the notice of MSEDCL. Subsequently, MSEDCL rectified the errors and submitted the corrected submission on **10th October 2012**, which have been used for the vetting.

Upon vetting the FAC calculations for April, May and June 2012, as resubmitted and after taking cognizance of the clarifications furnished by MSEDCL to the queries raised by the Commission, the Commission has accorded post facto approval for the FAC amount for the said month as detailed below.

The Commission issued Tariff Order for MSPGCL, dated September 12, 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.

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.

The Commission issued Tariff Order for MSEDCL, dated September 12, 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.

The Commission issued a Review Order on 2nd 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.

The Commission issued Order on October 31, 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 November 1, 2011

The Commission has notified Amendment of Regulation 82 of the "MERC (Terms and Conditions of tariff) (Amendment) Regulations, 2011" on 28th January 2011 for recovery of Fuel Adjustment Cost charges from the Consumers in a proportionate basis as per its tariff category/sub-category/consumption slab.

The Commission has taken cognisance of the directives issued in all the above orders and has accordingly approved FAC charges for the said months April, May, June of 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.

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%.

1.2 MSEDCL procures power from

- a. MSPGCL (internal source)
- b. Central allocation
- c. Bilateral procurements (Power exchanges, traders etc,)
- d. Renewable power sources
- e. Infirm power (MSPGCL Units under commissioning, others infirm sources)

Paras U 3, Parli U 6 and Khaperkheda 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.

1.3 Refund of 8th and 9th (last) installments Rs. 10.26 Crores per month for the months of April 2012 and May 2012 respectively to non ZLS consumers as per the Commission's Order in Case 23 of 2010 issued on May 30, 2011 (over total 9 month period) has been considered (Ref Item 2.1 of Table 5A below).

2. Details of approval:

2.1 Approval:

The Commission has accorded post facto approval for the FAC amount (net of T & D loss for the months of *April 2012, May 2012 and June 2012 of Rs. 277.7444 crores, Rs. 293.0002 crores and Rs. 302.3071 crores* respectively. The summary of the FAC claim as approved by the Commission is shown in the Table below:-

Table -1

Sr. No.	Particulars	Unit	April 2012	May 2012	June 2012
1	FAC (A) considering cap on Monthly FAC Charge	Rs Crores	277.7444	293.0002	302.3071
2	FAC (A) disallowed corresponding to excess T&D loss	Rs Crores	-	-	-
3	FAC (A) charged as per category wise and slab wise	Rs Crores	915.7007	738.5792	548.2166
4	C/f from Previous month.	Rs Crores	-	626.0457	1038.4596
5	Under/over recovery from 6.6 statement 3.	Rs Crores	(11.9106)	(33.1651)	(122.2415)
6	Total FAC to be charged in current month 6=(3+4+5)	Rs Crores	903.7091	1331.4598	1464.4347
7	Actual FAC charged in current month category wise and slab wise 5.	Rs Crores	277.7444	293.0002	302.3071
8	Carried forward FAC (A) for recovery during future period 8=(6-7)	Rs Crores	626.0457	1038.4596	1330.2922

After the apportionment, the under-recovered FAC amount to be carried forward to the month of July 2012 is **Rs. 1330.2922 Crores.**

3. 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 at MSPGCL Khaparkheda, Nashik and Paras 3 Thermal power station, and Gas Thermal Station, for the Month of April, May & June 2012 has exceeded 80%. At the other thermal power plants it was less than 80.00%.
- The actual Gross generation at MSPGCL plants (Hydel, Thermal and Gas excluding Paras 3 and Parli 6 Stations) as per the company's submissions for the months of April,

May and June 2012 as submitted by MSEDCL is **3900.84 MUs, 4210.34 MUs and 3558.06 MUs respectively.** (Order value 4747.95 MUs).

- The generation Capacity at Nashik Station for the months of May 2012 and June 2012 has been shown as reduced from 880 MW to 630 MW. The reason for the same as provided by MSEDCL is that, since 30.06.2011, Nashik Unit # 1 & 2 (2 x 125 MW) have been withdrawn from grid for scrapping . The same has been considered by the 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 months of April, May and June 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	April 12	May 12	June 12
1	Actual Fuel Cost	Rs. Crores	931.8414	946.4375	822.3425
2	Normative Actual Fuel cost	Rs. Crores	937.4131	962.0209	809.1504
3	Net Generation	MUs	3,286.97	3,256.87	2,860.54
4	Approved variable cost of generation (Order)	Rs./kWh	1.7537	1.7537	1.7537
5	Actual average variable cost of generation	Rs./kWh	2.8350	2.9060	2.8748
6	Average Normative variable cost of generation	Rs./kWh	2.8519	2.9538	2.8286
7	Change in variable cost of generation = $\{(3)X[(6)-(4)]\}/10$	Rs. Crores	360.9552	390.8416	307.4777

ii) 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 April, May and June 2012 are given below:

Table-3

Sr. No.	Details	Unit	April 12	May 12	June 12
1	Net Energy Purchase	MUs	5278.94	5207.12	4641.97
2	Variable Cost of Energy purchased	Rs. Crores	1477.9561	1449.1130	1191.4221
3	Average Rate of energy purchased	Rs./kWh	2.80	2.78	2.57
4	Approved Rate for Energy purchase (Order)	Rs./kWh	2.31	2.31	2.31

c) Unscheduled Interchange (UI) Charges:

MSEDCL has procured **223 MUs** through UI at average rate of **Rs. 2.82 per kWh**, in the month of April 2012 at the net cost of **Rs. 62.8424 crores**. For the month of May 2012 the company transacted **(142) MUs** through UI at average rate of **Rs. 2.56 per kWh** at the net cost of **Rs. (36.2955) crores**. And for June 2012, MSEDCL transacted **(40) MUs** through UI at average rate of **Rs. 1.81 per kWh** at the net cost of **Rs. (7.2769) crores**.

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

MSEDCL has claimed losses in power purchase through grid at **(71) MUs** in the month of April 2012, **(83) MUs** for the month of May 2012 and **(77) MUs** for the month of June 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:-

- Metered sales include the total sales metered for the HT and LT consumers in its area.
- 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	April 12	May 12	June 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	6229.85	6338.47	6176.65	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	957.56	957.56	678.70	Sum of assessed energy sold in FAC submission Form 1.2
3	Less: Credit for HT injections, temporary supply, interstate, wheeling etc	MUs	-32.05	-13.99	-11.12	Entry with explanation in FAC submission Form 7.1, for item No.1
4	Total of item 1 and 2	MUs	7187.40	7296.03	6855.36	
5	Grand total of items 1, 2 and 3	MUs	7155.35	7282.04	6844.23	Item 2.1 of FAC submission form 8.1

Order Values for all the three months: 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	April 12	May 12	June 12
(A)	(B)	(C)			(D)
1.0	Adjustment for over-recovery/under-recovery ('B')				
1.1	Incremental cost allowed to be recovered in Month (Mar 12)	Rs Lakh	25725.74	25341.66	26765.22
1.2	Incremental cost in Month j-4 actually recovered in month j-2 (Dec -2011)	Rs Lakh	26916.80	28658.16	38989.36
1.3	Over-recovery/under-recovery (1.2-1.1)	Rs Lakh	(1191.06)	(3316.51)	(12224.15)
2.0	C/f DUE TO FORMULA ERROR in February	Rs Lakh	2386.90	5365.01	1949.07
2.1	Un Approved Difference of March 2012	Rs Lakh	25721.51	0.00	0.00
2.2	Refund to the non beneficiary consumers of ZLS Scheme in 9 instalments	Rs Lakh	1026.00	1030.00	0.00
3.0	Adjustment factor for over-recovery/under-recovery (2.0 + 2.1 – 2.2)	Rs Lakh	27082.41	4335.01	1949.07

4. Transmission and Distribution Loss:

Transmission Loss:

In the FAC submission, MSEDCL has reported Transmission loss for the months of April, May and June 2012 as **3.29%**, **2.45%** and **0.57%** as against approved order value of 4.85%. Explanation was sought from the utility regarding such a wide deviation in the actual transmission loss with respect to the approved transmission loss.

MSEDCL has clarified that,

This is due to Open access and AMT (Automatic Meter Reading – AMR, using Advanced Metering Technology – AMT), which is also included in Net energy Input at transmission voltage which may be corrected at year end adjustment in March 13.

The Commission has taken a note of the explanation and has sought clarification in detail regarding the issue.

The transit Loss for the month of May 2012, for the stations Khaparkheda and Chandrapur are shown as negative. The Commission has sought clarification regarding the same.

Distribution loss:

For the months of April, May and June 2012, MSEDCL has reported Distribution Loss of 16.65%, 17.02% and 13.91%. Thereby, the Cumulative Distribution loss up to the month of June 2012 is **15.77 %** 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 of April, May and June 2012.

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)
April 2012	7155.35
May 2012	7282.04
June 2012	6844.23

6. Summary:

The summary of the FAC amount as approved by the Commission for the months of April , May and June 2012 is shown in the Tables below:-

The Commission has approved FAC chargeable in **April 2012, May 2012 and June 2012 as Rs. 277.7444 crores, Rs. 293.0002 crores and Rs. 302.3071 crores** and has allowed to be carried forward to the next month (July 2012) for recovery **Rs. 1330.2922 Crores**, 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	Apr-12	May-12	Jun-12
(A)	(B)	(C)	(D)	(D)	(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	69,852.67	71,471.98	49,686.42
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	27,082.41	4,335.01	1,949.07
1.7	FAC (A) = C + I + B	Rs Lakh	96,935.08	75,806.99	51,635.49
2.0	Calculation of FAC_{kWh}				
2.1	Sale within License Area	MU	7,155.35	7,282.04	6,844.23
2.2	Excess T&D Loss	MU	-	-	-
2.3	FAC Charge (FAC _{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	135.47	104.10	75.44
2.4	Cap on monthly FAC Charge	Paise/kWh	38.82	40.24	44.17
2.5	FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge	Rs/kWh	0.39	0.40	0.44
3.0	FAC (A)				
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	27,774.44	29,300.02	30,230.71
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	91,570.07	73,857.92	54,821.66
3.4	C/f from Previous month 2.	Rs Lakh	-	62,604.57	103,845.96
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	(1,191.06)	(3,316.51)	(12,224.15)
3.6	Total FAC to be charged in current month 4=(1+2+3)	Rs Lakh	90,379.01	133,145.98	146,443.47
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	27,774.44	29,300.02	30,230.71
3.8	Carried forward FAC (A) for recovery during future period (4-5)	Rs Lakh	62,604.57	103,845.96	133,029.22

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 value. The FAC in all categories has reached the cap values, the average FAC has not reached the cap value paise 45.5/kWh as tabulated below :

	Apr-12	May-12	Jun-12
Sales in license area (MU)	7155.35	7282.04	6844.23
FAC charged (Rs Crore)	277.744	293.0002	302.3071
FAC Paise/kWH	38.82	40.24	44.17

Table 5C

Sr. No.	Details	Unit	April 12	May 12	June 12
1	Sales in licensed area	MUs	7,155.35	7,282.04	6,844.23
2	FAC(A) =C+I+B	Rs Lakh	96,935.08	75,806.99	51,635.49
3	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-	-	-
4	FAC kWh	Rs/kWh	0.3882	0.4024	0.4417
5	FAC (A) charged as per 8.3 category wise and slab wise 1	Rs Lakh	91,570.07	73,857.92	54,821.66
6	C/f from Previous month.	Rs Lakh	-	62,604.57	103,845.96
7	Under/over recovery from 6.6 statement 3.	Rs Lakh	(1,191.06)	(3,316.51)	(12,224.15)
8	Total FAC to be charged in current month 8=(5+6+7)	Rs Lakh	90,379.01	1,33,145.98	1,46,443.47
9	Total FAC	Rs/kWh	1.2630	1.8284	2.1396
10	Actual FAC charged in current month category wise and slab wise 5.	Rs Lakh	27,774.44	29,300.02	30,230.71
11	FAC charged	Rs/kWh	0.3882	0.4024	0.4417
12	Carried forward FAC (A) for recovery during future period 12=(8-10)	Rs Lakh	62,604.57	103,845.96	133,029.22

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 Rs/kWh	FAC To be Charged In The Billing Month Paisa/kWh
B	HT CATEGORY		
	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	