

Ref. No. MERC/FAC/20112012/ 02996

Date : March 22, 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 submission of MSEDCL for November 2011

Reference: MSEDCL's FAC submission of month November 2011 received vide MSEDCL/PP/FAC/L7/3493 of 8th February 2012

Sir

Upon vetting the FAC calculations for the month of November, 2011 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. **260.1304** Crore for November 2011, as detailed below.

The Commission has notified on 28th January 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 categorywise and slabwise 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 November, 2011 as approved by the Commission is shown in the Tables below:-

Table-1 (November 2011)

Sr No	Particulars	Unit	Approved
1	FAC (A) considering cap on Monthly FAC Charge	Rs Crore	469.4573
2	FAC (A) disallowed corresponding to excess T&D loss	Rs Crore	-
3	FAC (A) charged as per catagorywise and slabwise	Rs Crore	457.5320
4	C/f from Previous month .	Rs Crore	529.2675
5	Under/over recovery from 6.6 statement 3.	Rs Crore	27.0459
6	Total FAC to be charged in current month 6=(3+4+5)	Rs Crore	1013.8453
7	Actual FAC charged in current month catagorywise and slabwise 5.	Rs Crore	260.1304
8	Carried forward FAC (A) for recovery during future period 8=(6-7)	Rs Crore	753.7149
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,

(Kuldip N. Khawarey)
Secretary, MERC

Encl : Annexure :Detailed Vetting Report for November 2011

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 November 2012 submitted by MSEDCL

Reference: MSEDCL's FAC submission of month November 2011 received vide **MSEDCL/PP/FAC/L7/3493 of 8th February 2012**

1. FAC submission by MSEDCL:

- 1.1 Upon vetting the FAC calculations for the month of November 2011, submitted vide letter under above Reference 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 11, 2011

The Commission has notified on 28th 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

The Commission has taken cognisance of the directives issued in all the above orders and has accordingly approved FAC charges for the month of November 2011 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 upto respective ceilings of 10%.

- 1.2 Regarding purchase of power from the external sources, the Commission has considered power purchase sources and rates based on the APR Order dated September 12, 2010, which were effective from September 2010 onwards. As power purchased from Korba III and Sipat Unit 1 unit of NTPC is not in “approved sources” list, of the Tariff Order issued to MSPGCL, the total power purchase cost for the same is claimed through FAC.
- 1.3 Refund of Rs. 10.26 Crores per month 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 2.2 of Table 5A below)

2. Details of approval:

2.1 Approval :

The Commission has accorded post facto approval for the FAC amount of (net of T & D loss), **Rs. 260.1304 Crores** for the month November 2011. The summary of the FAC claim for November 2011 as approved by the Commission is shown in the Table below:-

Table -1

Sr No	Particulars	Unit	Approved
1	FAC (A) considering cap on Monthly FAC Charge	Rs Crore	469.4573
2	FAC (A) disallowed corresponding to excess T&D loss	Rs Crore	-
3	FAC (A) charged as per catagorywise and slabwise	Rs Crore	457.5320
4	C/f from Previous month .	Rs Crore	529.2675
5	Under/over recovery from 6.6 statement 3.	Rs Crore	27.0459
6	Total FAC to be charged in current month 6=(3+4+5)	Rs Crore	1013.8453
7	Actual FAC charged in current month catagorywise and slabwise 5.	Rs Crore	260.1304
8	Carried forward FAC (A) for recovery during future period 8=(6-7)	Rs Crore	753.7149

After the apportionment, the under-recovered FAC amount to be carried forward to the next month, is Rs 753.7149 Crore

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 Thermal power stations, for the Month November 2011 was 81.56%. At the other thermal power plants it was less than 80%.

Actual gross generation at MSPGCL plants (Hydel, Thermal and Gas) for the month was 3632.34 MU. (Order value 4747.95 MU)

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 November 2011 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	
1	Actual Fuel Cost	Rs Crore	782.3210
2	Normative Actual Fuel cost	Rs Crore	739.9159
3	Net Generation	MU	2993.06
4	Approved variable cost of generation (Order)	Rs./kWh	1.755
5	Actual average variable cost of generation	Rs./kWh	2.61
6	Average Normative variable cost of generation	Rs./kWh	2.47
7	Change in variable cost of generation = $\{(3) \times [(6)-(4)]\} / 10$	Rs. Crore	213.979247

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 November 2011 are given below

Table-3

S.No	Details	Unit	October 2011
1	Net Energy Purchase	MU	5122.49
2	Variable Cost of Energy purchased	Rs Crore	1332.0026
3	Average Rate of energy purchased	Rs./kWh	2.60
4	Approved Rate for Energy purchase (Order)	Rs./kWh	2.31

c) Unscheduled Interchange (UI) Charges:

MSEDCL has procured 5 MU through UI at avg rate of Rs. 15.26 per kWh, in November 2011. The net cost of UI purchase was Rs. 8.3775 Crore.

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

MSEDCL has claimed losses in power purchase through grid at (89) MU in November 2011 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

S.No.	Detail	Unit	Qty	Ref FAC submission Form
1	Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order	MU	5447.81	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	MU	774.823	Sum of assessed energy sold in FAC submission Form 1.2
3	Less Credit for HT injections, temporary supply, interstate, wheeling etc	MU	-56.740744	Entry with explanation in FAC submission Form 7.1, for item No.1
4	Total of item 1 and 2	MU	6222.633	
5	Grand total of items 1, 2 and 3	MU	6165.893	Item 2.1 of FAC submission form 8.1

Order Values : Metered sales 5284.25 MU; Unmetered sales : 589 MU.

e) **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.

f). **Adjustment factor**

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

Table-5A
Adjustment Factor – November 2011

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Adjustment for over-recovery/under-recovery ('B')		
1.1	Incremental cost allowed to be recovered in Month (Nov 11)	Rs Lakh	25241.88
1.2	Incremental cost in Month j-4 actually recovered in month j-2 (August -2011)	Rs Lakh	- 22,537.29
1.4	Over-recovery/under-recovery (1.1-1.2)	Rs Lakh	2704.59
2.0	C/F and refunds		
2.1	c/F DUE TO FORMULA ERROR in October	Rs Lakh	4304.49
2.2	refund to the non beneficiary consumers of ZLS Scheme in 6 instalment (2nd Instalment)	Rs Lakh	-1,026.00
2.3	Less reversal of impact shown in Oct 2011 for FAC methodology change as allowed vide Order in case 103 of 2011	Rs Lakh	-866.94
3.0	Adjustment factor for over-recovery/under-recovery	Rs Lakh	2411.55

4. **Transmission and Distribution Loss:** .

Transmission Loss:

In the FAC submission, MSEDCL has reported Transmission loss in the system as 4.44%, against approved order value of 4.85%. This is approved.

Distribution loss:

For the month November 2011, MSEDCL has reported 23.72 % Distribution Loss. Thereby, the Cumulative Distribution loss upto the month November 2011 is 16.60 %, against approved Distribution loss of 17.20%.

As the reported distribution loss (cumulative upto the month) is less than the stipulated limit value of Distribution loss for the FY, no deductions has been made from FAC charges of November 2011.

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, for the month November 2011, is 6165.893 MU, (Refer Item 5 of Table 4 above), and the same is approved by the Commission.

6. Summary :

The summary of the FAC amount as approved by the Commission for the month November 2011 is shown in the Tables below:-

The Commission has approved FAC chargeable in November 2011 as Rs 230.1304 Crore and has allowed to be carried forward to the next month for recovery, .Rs. 753.7149 Crore, arrived at as the sum of the following quantities:

- a) difference between FAC allowed to be recovered in August2011 (month j-5) and the FAC actually recovered in November 2011
- 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 and
- c) excess amount above cap applied to any categories.
- d) carried forward amount from the previous month
- e) Formula error of October 2011 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	44,534.17
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	2,411.55
1.7	FAC (A) = C + I + B	Rs Lakh	46,945.73
2.0	Calculation of FAC_{kWh}		
2.1	Sale within License Area	MU	6,165.90
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC _{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	76.14
2.4	Cap on monthly FAC Charge	Paise/kWh	76.14
2.5	FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge	Rs/kWh	0.7614
3.0	FAC (A)		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	46,945.73
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	45,753.20
3.4	C/f from Previous month.	Rs Lakh	52,926.75
3.5	Under/over recovery from 6.6 statement.	Rs Lakh	2,704.59
3.6	Total FAC to be charged in current month 3.6=(3.3+3.4+3.5)	Rs Lakh	101,384.53
3.7	Actual FAC charged in current month categorywise and slabwise .	Rs Lakh	26,013.04
3.8	Carried forward FAC (A) for recovery during future period (3.6-3.7)	Rs Lakh	75,371.49

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 October 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 October 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:

*$FAC_{Cat Rs/kWh} = (FAC / (Metered sales + Unmetered consumption estimates + Excess distribution losses)) * K * 10$*

Where:

FAC_{Cat} = 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 has not reached the cap value Rs. 0.455/kWh

Table 5C

S.No	Detail	Unit	Qty
1	Sales in licensed area		6165.90
2	FAC(A) =C+I+B	Rs Lakh	46945.73
3	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-
4	FAC kWh	Rs/kWh	0.7614
5	FAC (A) charged as per 8.3 categorywise and slabwise 1	Rs Lakh	45,753.20
6	C/f from Previous month.	Rs Lakh	52,926.75
7	Under/over recovery from 6.6 statement 3.	Rs Lakh	2,704.59
8	Total FAC to be charged in current month 8=(5+6+7)	Rs Lakh	101,384.53
9	Total FAC	Rs/kWh	1.644
10	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	26,013.04
11	FAC charged	Rs/kWh	0.422
12	Carried forward FAC (A) for recovery during future period 12=(8-10)	Rs Lakh	75,371.49

Table-6 A

Sr. No.	Categories	Approved energy charges	FAC TO BE CHARGED IN 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	13.46 Rs/HP
	B) Above 5 HP	2.21	13.46 Rs/HP

Sr. No.	Categories	Approved energy charges	FAC TO BE CHARGED IN BILLING MONTH
2	Zones with Consumption norm > 1318 Hrs/HP/Annum 1734 Hrs basis		
	A) 0-5 HP	2.42	29.22 Rs/HP
	B) Above 5 HP	2.71	29.22 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 BILLING MONTH
		Rs/kWH	
	HT-I - Industries		
A	HT-I - Cont (Express Feeders)	6.03	60.31
B	HT-I - NonCont (Non Express Feeders)	5.49	54.92
C	HT-I - Seasonal Category	6.75	67.46
2	HT-II Commercial		
a	Express Feeder		
i)	Educaton Institute and Hospitals	8.75	87.55
ii)	Other	9.10	90.96
b	B) Non-Express Feeder		
i)	Educaton Institute and Hospitals	8.18	81.83
ii)	Other	8.52	85.24
3	HT-III Railways	6.64	66.35
4	HT-IV Public Water Works (PWW)		
A	Express Feeders	4.30	42.95
B	Non-Express Feeders	4.12	41.20
5	HT-V Agricultural	2.46	24.61
6	HT-VI Bulk Supply		
A	Residential Complex	4.25	42.52
B	Commercial Complex	7.24	72.36
9	Temporary Supply	11.30	113.00
	TOTAL HT Category	Rs Lakhs	15298.28
	TOTAL LT Category	Rs Lakhs	10714.76
	GRAND TOTAL	Rs Lakhs	26013.04
	Actual FAC to Be levied	Rs Lakhs	46945.73
	Under-recovery to be carried fwd to next month Incl of amount c/f from prev month	Rs Lakhs	75,371.49

APPENDIX 1.1

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

1 Summary of New Norms:

1.1 Purchases from MSPGCL:

Station	Net Gen (MUs)	Energy Charge as per Order (Rs/kWh)	Approved Heat Rate applicable for FY 2010-11 kCal/kWH	Approved Auxiliary Consumption for FY 2010-11 %
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	