

Table 1.1								
Title Energy Sales - Metered								
Sr. No.	Consumer Category	Unit	ORDER FY 12-13	Aug-13			Cumulative upto Month & Year	
				Order	Order	Actual	Reasons for material variation	Order
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1.0	Energy Sales in License Area ¹							
	LT - Categories							
	LT I - Domestic							
	BPL Consumers	MU	217.00	18.08	12.44		90.42	53.81
	Other Domestic Consumers	MU	14,932.00	1,244.33	1353.74		6,221.67	7,369.40
	LT II - Commercial	MU	3,958.00	329.83	314.52		1,649.17	1,741.89
	LT III - Water Works	MU	539.00	44.92	47.68		224.58	237.68
	LT IV - Agriculture	MU	10,660.00	888.33	797.90		4,441.67	3,991.68
	LT V - Industrial & Power Loom	MU	5,347.00	445.58	621.30		2,227.92	3,116.08
	Bhivandi Franchisee	MU	-	-	-		-	-
	LT VI - Streetlight	MU						
	Grampanchayat & Municipal Council	MU	831.00	69.25	103.61		346.25	504.13
	Municipal Corporation Areas			-	-		-	-
	LT VII - Temporary	MU		-	-			
	Temporary Connections (Religious)	MU	68.00	5.67	1.59		28.33	9.68
	Temporary Connections (Other Purpose)	MU		-	-		-	-
	LT VIII - Advt & Hoardings	MU	4.00	0.33	0.21		1.67	1.29
	LTIX - Crematoriums	MU	2	0.17	0.11		0.83	0.56
	LTX - Public Services	MU	0	-	7.40		0.00	31.56
	HT - Categories							
	HT I - Industries							
	Continuous	MU	18,554.20	1,546.18	967.28		11,786.00	9,927.33
	Non-Continuous		9,732.20	811.02	928.91			
	Seasonal Industry	MU	148.20	12.35	2.34		61.75	25.67
	HT II - Commercial	MU	2,140.20	178.35	164.59		891.75	831.47
	HT III - Railways	MU	1,460.20	121.68	120.38		608.42	622.84
	HT IV - Water Works	MU		-	-			
	Express Feeders	MU	969.20	80.77	107.92		403.83	571.03
	Non-Express Feeders		219.20	18.27	18.00		91.33	89.57
	HT V - Agriculture (Includes Poultry)	MU	714.60	59.55	35.24		297.75	355.01
	HT VI - Bulk Supply	MU		-	-			
	Residential (Group Housing)		328.20	27.35	19.83		136.75	102.32
	Commercial Complex		-	-	-		-	-
	HT IX Pub Service	MU			61.56		-	307.57
	Others	MU	-	-	380.117		-	902.85
	Subtotal	MU	70,824.20	5,902.02	6,064.75		29,510.08	31,594.20
2.0	Energy Sales outside License Area excluding Energy Sales reported at (3)							
4.0	Total Energy Sales (1.0 + 2.0 + 3.0)	MU	70,824.20	5,902.02	6,064.75		29,510.08	31,594.20
5.0	Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order (1.0 + 2.0)	MU	70,824.20	5,902.02	6,064.75		29,510.08	31,594.20

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.
Prakashgad, Bandra (E), Mumbai.

FAC for AUG 2013

Table 1.2
 Title Energy Sales - UnMetered

Sr. No.	Consumer Category ¹	ORDER FY 12-13			Aug-13				Cumulative upto Month & Year	
		Load	Norm ²	EC _{UM} ³	Order	Load	EC _{UM} ³	Reasons for material variation	Order	EC _{UM} ³
		HP	hrs/ HP/ Year *	MU	MU	HP	MU		MU	MU
1.0	Unmetered Hrs>1318		1,734.33	4454	371		438.51		1856	2193
	Bhandup (U)		1,474.00	0	0		0.00000		0	0
	Nasik		1,521.00	3015	251		147.74		1256	739
	Pune		2,208.00	1439	120		20.91		600	105
	Jalgaon				0		125.70		0	629
	Baramati				0		144.16		0	721
1.1	Unmetered Hrs<1318		980.00	6226	519		283.00		2594	1415
	Amravati		922.00	576	48		50.70		240	254
	Aurangabad		1,224.00	1344	112		45.02		560	225
	Kalyan		1,300.00	36	3		0.02		15	0
	Konkan		533.00	0	0		0.00		0	0
	Kolhapur		1,198.00	2156	180		21.35		898	107
	Latur		1,241.00	1864	155		99.04		777	495
	Nagpur (U)		644.00	81	7		1.99		34	10
	Nagpur		778.00	170	14		0.00		71	0
	Nanded				0		64.87		0	324
1.2	LT-Unmetered PWW			0	0				0	0
	Total		0	2,714.33	10680	890.03		721.502	4450	3608

Table 1.3		Energy Availability						
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Aug-13			Cumulative upto Month & Year	
				Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)

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Table 1.3 Title Energy Availability								
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Aug-13			Cumulative upto Month & Year	
				Order	Order	Actual	Reasons for material variation	Order
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
0.9	MSPGCL	MU						
5311.6	Khaparkheda	MU	4,751.18	395.93	258.86261		1,979.66	1,586.25
2625.5	Bhusawal	MU	2,348.47	195.71	117.10560		978.53	750.17
3894.1	Nasik	MU	3,483.22	290.27	271.45661		1,451.34	1,491.51
3915.3	Parli	MU	3,502.17	291.85	4,64445		1,459.24	3.75
3875.3	Koradi	MU	3,466.40	288.87	145.11181		1,444.33	869.04
14937.6	Chandrapur	MU	13,361.57	1,113.46	491.29401		5,567.32	4,071.64
1594.3	Paras 3	MU	1,426.11	118.84	105.29150		594.21	629.03
1594.3	parli 6	MU	1,426.11	118.84	121.36800		594.21	127.59
1594.3	Parli -7	MU	1,426.11	118.84	121.84200		594.21	167.55
1594.3	Paras -4	MU	1,426.11	118.84	104.80502		594.21	637.72
1909.9	KPKD 5	MU	1,909.86	159.16	134.85400		795.78	942.98
797.2	bhusawal 4		797.16	66.43	95.24649		332.15	749.74
4596.4	Gas Thermal	MU	4,111.40	342.62	311.02978		1,713.08	1,529.51
	Gas Thermal (RLNG)	MU	-	-	-		-	-
3430.3	Hydel Stations	MU	3,430.30	285.86	425.97826		1,429.29	1,583.61
	Subtotal	MU	46,866.17	3,905.51	2,708.89013		19,527.57	15,140.10

Table 1.3 Title Energy Availability				Aug-13			Cumulative upto Month & Year	
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14					
(A)	(B)	(C)	(D)	Order	Actual	Reasons for material variation	Order	Actual
2.0	Net Power Purchase ²	MU		(E)	(F)	(G)	(H)	(I)
	Central Gen Stns		34,777.82	2,942.60	2,556.26		14,490.76	13,605.34
	Korba	MU	5,400.00	450.00	382.40		2,250.00	2,106.38
	Korba III	MU	686.78	57.23	94.16		286.16	381.94
	Vindhyanchal - I	MU	3,516.00	293.00	322.49		1,465.00	1,413.83
	Vindhyanchal - II	MU	2,940.00	245.00	156.27		1,225.00	1,157.58
	Vindhyanchal-III	MU	2,400.00	200.00	216.04		1,000.00	1,000.87
	Vindhyanchal-IV	MU	381.00	76.20	108.74		158.75	443.99
	Kawas - APM	MU	1,080.00	90.00	21.84		450.00	257.23
	Gandhar - APM	MU	1,020.00	85.00	-		425.00	272.43
	Farrakka	MU	-	-	-		-	-
	Talcher	MU	-	-	-		-	-
	Kahalgaon	MU	-	-	-		-	-
	Kahalgaon II unit	MU	720.00	60.00	50.99		300.00	262.65
	Sipat Stage II - Unit 1	MU	4,982.71	415.23	290.945		2,076.13	1,570.52
	Sipat Stage II - Unit 2	MU			171.376		-	798.64
	Mouda	MU			5.166		-	13.68
	Kakrapar	MU	760.40	63.37	101.13		316.83	483.48
	Tarapur 1 & 2	MU	1,280.00	106.67	104.89		533.33	313.16
	Tarapur 3 & 4	MU	3,292.93	274.41	275.54		1,372.06	1,089.51
	RGPL -	MU	5,256.00	438.00	0.07		2,190.00	1,292.52
	Sardar Sarovar	MU	990.00	82.50	239.39		412.50	707.41
	Pench	MU	72.00	6.00	14.82		30.00	39.53
	HYDRO PLANT		131.00	10.92	14.81		54.58	36.80
	Dodson - I	MU	42.00	3.50	8.074		17.50	13.67
	Dodson - II	MU	89.00	7.42	6.736		37.08	23.13
	Renewables	MU	8,643.30	720.28	790.03		3,601.38	3,782.99
	Other Hydro	MU	194	16.13	29.502		80.63	82.18
	Wind Purchase & Bio mass Bagqase	MU	7,259	604.90	629.679		3,024.50	2,950.72
	CPP	MU	900.00	75.00	117.04		375.00	677.96
	Solar	MU	271.50	22.63	13.808		113.13	72.13
	MSW	MU	19.50	1.63			8.13	-
	Other Purchases	MU	4,687.75	712.05	1,289.12		1,953.23	5,738.24
	IPP JSW	MU	1,934.21	161.18	161.40		805.92	816.14
	Mundra UMPP CGPL	MU	1,610.96	170.00	376.29		671.23	2,014.31
	Adani Power	MU	1,142.59	380.86	751.44		476.08	2,907.79
	INDIABULL	MU					-	-
	Traders	MU	10,675.00	889.58	103.11		3,558.33	1,533.63
	LANCO/NESTCL	MU					-	-
	NVVN	MU					-	-
	JPL	MU					-	-
	TPTCL	MU					-	-
	WBSEDCL	MU					-	-
	RETL	MU					-	-
	IEX power	MU					-	250.43
	PTC	MU					-	-

Table 1.3 Title Energy Availability				Aug-13			Cumulative upto Month & Year	
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	SHREE CEMENT	MU		-	-		-	-
	RPG PTCL	MU		-	-		-	-
	isw ptcl	MU		-	-		-	791.56
	INSTINCT INFRA	MU		-	-		-	-
	Adani infirm	MU		-	-		-	-
	GMR	MU		-	-		-	-
	Indrajeet power	MU		-	-		-	22.04
	IDEAL Energy	MU		-	-		-	22.88
	India Bull	MU			83.63		-	178.05
	Wardha Power	MU					-	-
	M/S KNOWLEDGE INFRA	MU					-	-
	MAHAGENCO INFIRM POWER	MU			4.47		-	253.46
	Suryalaxmi	MU			13.49		-	13.49
	Adani	MU					-	-
	abhijit	MU					-	-
	Gupta Enrgy	MU					-	-
	PXIL	MU			1.52		-	1.72
	Inter state (grid) Losses	MU	(1,309.00)	(109.08)	(109.08)		(545.42)	(545.42)
	Unscheduled Interchange (UI)	MU	-	-	(7.84)		-	(66.09)
	Subtotal	MU	104,472.04	9,071.85	7,345.30		42,640.43	39,225.60
3.0	Energy Available	MU						
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU	104,472.04	9,071.85	7,454.38	Inter state (Grid)losses 109.083333333333	62,630.51	39,771.01
3.3	Net Energy Available at transmission voltage	MU	108,537.00	9,044.75	7475.25		45,223.75	39,888.23
3.4	Net Energy Available at distribution voltage	MU	103935	8,661.25	7524.84		43,306.26	39,670.13

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Table 1.4
Title T&D Loss

Sr. No.	Parameter	Unit	FY 2013-14	Aug-13		Cumulative upto Month & Year	
				Order	Actual	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(I)	(J)
1.0	Transmission and Stepdown Loss¹						
1.1	Net Energy Input at transmission voltages (Net Generation + Net Purchase) *	MU	108,537.00	9,044.75	7475	45,223.75	39888
1.2	Energy Sales at transmission voltages	MU	-	-	0	-	0
1.3	Energy fed to Distribution System	MU	103935	8661	7525	43,306.26	39685
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU	4602	383	-50	1917.49	202.92
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%	4.24%	4.24%	-0.66%	4.24%	0.51%
2.0	Distribution Loss¹						
2.1	Net Energy Input (input from Transmission System + net energy input at distribution voltages)	MU	104,442.03	8,703.50	7524.84	43,517.51	39697
2.2	Energy Sales (Metered) at distribution voltages	MU	77291	6441	6064.75	32,204.44	31551
2.3	Estimated Consumption for Unmetered Categories	MU	10680	890	721.50	4,450.15	3608
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU	16471	1373	738.58	6,862.93	4538.38
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%	15.77%	15.77%	9.82%	15.77%	11.43%
3.0	Transmission and Distribution (T&D) Loss						
3.1	Net Energy Input (i.e. Net Generation + Net Power Purchase)	MU	108,537.00	9,044.75	7475.25	45,223.75	39888
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU	87971.00	7,330.92	6786.26	36,654.58	35159
3.3	T&D Loss (3.1 - 3.2)	MU	20566.00	1,713.83	689.00	8,569.17	4729.60
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%	18.95%	18.95%	9.22%	18.95%	11.86%
4.0	Excess T&D Loss = T&D Loss (3.3) - T&Dapp x Net Energy Input (3.1)	MU			0		

Table 6.2
Title Change in variable cost of generation and power purchase (C) - Format 1

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Weighted Average variable cost of generation and power purchase considered by the Commission for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (G))	Rs/kWh	2.48
2.0	Weighted Average Normative Actual variable cost of generation and power purchase for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (M))	Rs/kWh	2.39
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	(0.08)
4.0	Generation ¹ + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	6,919.32
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	(5,786.14)

Notes:

- 1 - Please report generation and variable cost based on Gross generation if the Tariff Order has approved the variable cost with reference to Gross generation.
- Please report generation and variable cost based on net generation if the Tariff Order has approved the variable cost with reference to net generation.

Table 6.6
Title Adjustment for Over-Recovery/Under-Recovery (B)

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 (JULY 13)	Rs Lakh	852.37
	Incremental cost in Month j-4 actually recovered in month j-2 (APR-13)	Rs Lakh	797
1.3	under recovery /over recovery	Rs Lakh	55.44
2.0	c/F DUE TO FORMULA ERROR for regular FAC for July 13	Rs Lakh	(520.63)
	Impact of Loss Calculation and FBSM bills for the month of May 13 & June 13 not available at the time of finalisation of FAC for the month of Jul 13		2,606.81
3.0	Adjustment factor for over-recovery/under-recovery	Rs Lakh	2,086.18
Over/under recovery is charged categorywise and slabwise in 8.3 statement so it is not considered here in calculating FAC p/u			

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Table 6.7
Title Total Fuel Cost and Power Purchase Adjustment

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Change in cost (C) (Table 6.2, Sr. No.5.0 for FAC Mechanism or Table 6.3, Sr. No. 4.0 for FOCA Mechanism)	Rs Lakh	(5,786.14)
2.0	Interest on Working Capital (I) (Table 6.5, Sr. No. 3.0)	Rs Lakh	-
3.0	Adjustment factor for over-recovery/under-recovery (B) (Table 6.6, Sr. No. 3.0)	Rs Lakh	2,086.18
4.0	T & D Loss Adjustment for the year (Table 5.1, Sr.No.8.0)	Rs Lakh	-
5.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	(3,699.96)
6.0	Any unpredictable and uncontrollable expenses incurred (Z) ¹	Rs Lakh	
7.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	(3,699.96)

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Table 7.1
Title Calculation of per unit FAC/FOCA Charge

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0) *	MU	5,954.67
2.0	Estimated Consumption within License Area (Table 1.2)	MU	721.50
3.0	Excess T&D Loss (Table 1.4, Sr. No. 4.0)	MU	-
4.0	Total FAC (Table 6.7, Sr. No. 5.0) or Total FOCA (Table 6.7, Sr. No. 7.0)	Rs Lakh	(3,699.96)
5.0	FAC Charge (FAC _{kWh}) or FOCA Charge (FOCA _{kWh}) without considering cap on monthly Charge (4.0/(1.0+2.0+3.0))	Paise/kWh	(5.54)
6.0	Cap on monthly FAC/FOCA Charge	Rs/kWh	N.A.
6.1	Cap at 10% of the variable component of tariff ²	Paise/kWh	N.A.
6.2	Cap at increase in CPI for a similar period	Paise/kWh	
6.3	Cap as lower of 6.1 and 6.2	Paise/kWh	-
7.0	FAC Charge (FAC _{kWh}) or FOCA Charge (FOCA _{kWh}) considering cap on monthly FAC Charge/FOCA Charge (lower of 5.0 and 6.3) ¹	Rs/kWh	(0.055420)

* Metered sales is reduced by HT-Credit (Wheeling) 92.72224 Mus

- 1 As per Regulation 82.6 of Maharashtra Electricity Regulatory Commission Regulations 2005(Tariff Regulations),the monthly cap on FAC Charge is taken as 20% of variable component of tariff of that tariff category/sub-category/consumption slab.
- 2 Round off FAC/FOCA Charge to 1 decimal
- 3 Variable component of tariff = Total estimated revenue from energy charges in the Tariff Order / Total energy sales projected in Tariff Order

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. FAC for AUG 2013
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Table 8.1

Title Summary of FAC (A) and FAC_{kWh}

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	(5,786.14)
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	2,086.18
1.7	FAC (A) = C + I + B	Rs Lakh	(3,699.96)
2.0	Calculation of FAC_{kWh}		
2.1	Sale within License Area	MU	6,676.17
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC _{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	(5.54)
2.4	Cap on monthly FAC Charge	Paise/kWh	87.99
2.5	FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge	Rs/kWh	0.8799
3.0	FAC (A)		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	58,743.79
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	(3,272.07)
3.4	C/f from Previous month 2.	Rs Lakh	-
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	55.44
3.6	Total FAC to be charged in current month 4=(1+2+3)	Rs Lakh	(3,216.63)
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	(3,216.63)
3.8	Carried forward FAC (A) for recovery during future period (4-5)	Rs Lakh	0.00

Note:

- 1 As per Regulation 82.6 of Maharashtra Electricity Regulatory Commission Regulations 2005(Tariff Regulations),the monthly cap on FAC Charge is taken as 20% of variable component of tariff of that tariff category/sub-category/consumption slab.
- 2 The amount to be carried forward for recovery during future period is shown in the categorywise and slabwise computation of FAC vide Table 8.3
- 3 Total FAC to be charged in the current month is not tallied with actual FAC charged in the current month and C/F for the future period is only because of Un metered tariff is billed quarterly and its over/under recovery and C/f to future period is calculated quarterly