

Title Form 1: Energy Sales - Metered								
Sr. No.	Consumer Category	Unit	ORDER FY 12-13	Jan-15		Reasons for material variation	Cumulative upto Month & Year	
				Order	Actual		Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1.00	Energy Sales in License Area1							
	LT - Categories							
	LT I - Domestic							
	BPL Consumers	MU	217.00	18.08	8.51		-	-
	Other Domestic Consumers	MU	14,932.00	1,244.33	1,188.26		-	-
	LT II - Commercial	MU	3,958.00	329.83	294.01		3,298.33	3,482.09
	LT III - Water Works	MU	539.00	44.92	54.66		449.17	515.82
	LT IV - Agriculture	MU	10,660.00	888.33	1,316.87		8,883.33	11,142.46
	LT V - Industrial & Power Loom	MU	5,347.00	445.58	699.59		4,455.83	6,654.77
	Bhivandi Franchisee	MU	-	-	-		-	-
	LT VI - Streetlight	MU						
	Grampanchayat & Municipal Council	MU	831.00	69.25			692.50	1,221.59
	Municipal Corporation Areas				139.69		-	-
	LT VII - Temporary	MU						
	Temporary Connections (Religious)	MU	68.00	5.67			56.67	15.76
	Temporary Connections (Other Purpose)	MU			1.40		-	-
	LT VIII - Advt & Hoardings	MU						
	LT IX - Crematoriums	MU	2.00	0.17	0.13		1.67	1.15
	LTX - Public Services	MU	-	-	17.43		0.00	162.58
	HT - Categories							
	HT I - Industries							
	Continuous	MU	18,554.20	1,546.18	962.11		23,572.00	20,923.92
	Non-Continuous		9,732.20	811.02	1,036.24			
	Seasonal Industry	MU	148.20	12.35	24.12		123.50	109.79
	HT II - Commercial	MU	2,140.20	178.35	158.22		1,783.50	1,799.32
	HT III - Railways	MU	1,460.20	121.68	127.35		1,216.83	1,257.60
	HT IV - Water Works	MU						
	Express Feeders	MU	969.20	80.77	131.94		807.67	1,203.18
	Non-Express Feeders		219.20	18.27	19.16		182.67	183.09
	HT V - Agriculture (Includes Poultry)	MU	714.60	59.55	60.60		595.50	713.17
	HT VI - Bulk Supply	MU						
	Residential (Group Housing)		328.20	27.35	17.84		273.50	191.70
	Commercial Complex		-	-	-		-	-
	HT IX Pub Service	MU			63.51		-	701.15
	HT Port	MU			5.97		-	60.48
	Others	MU			413.71		-	3,657.20
	Subtotal	MU	70,824.20	5,902.02	6,741.66		59,020.17	69,301.37
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	6,741.66		59,020.17	69,301.37
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	6,741.66		59,020.17	69,301.37

Note:

1. PD Consumers are not considered.
2. Ag apportioned is as per the actual billing of September 2013
3. The figures of Bhivandi Franchisee is included in HT-metered and LT-metered resp. as mentioned in CGM(IT) report
4. Temporary Supply and Public services of HT category is considered in others
5. Difference of 1.89 MUS in IT and IR statement is due to units of Auxilliary consumption, which is deducted from total to match the total purchase with IT statement.

Table 1.2
Title Energy Sales - UnMetered

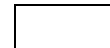
Form 2: Energy Sales - Unmetered

Sr. No.	Consumer Category ¹	ORDER FY 12-13			Jan-15				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		606.73		3712	5637
	Bhandup (U)		1,474.00	0	0		0.00000		0	0
	Nasik		1,521.00	3015	251		209.50		2513	1988
	Pune		2,208.00	1439	120		22.44		1199	228
	Jalgaon				0		163.63		0	1440
	Baramati				0		211.16		0	1981
1.1	Unmetered Hrs < 1318		980.00	6226	519		530.64		5188	4290
	Amravati		922.00	576	48		109.04		480	793
	Aurangabad		1,224.00	1344	112		102.42		1120	896
	Kalyan		1,300.00	36	3		0.01		30	0
	Konkan		533.00	0	0		0.00		0	0
	Kolhapur		1,198.00	2156	180		17.70		1797	176
	Latur		1,241.00	1864	155		176.62		1553	1516
	Nagpur (U)		644.00	81	7		2.83		67	23
	Nagpur		778.00	170	14		0.001		141	0
	Nanded				0		122.00		0	885
1.2	LT-Unmetered PWW			0	0				0	0
	Total	0	2,714.33	10680	890.03		1137.37		8900	9927

* Norms have been considered same of MYT order for Unmetered Hrs > & < 1318 HP/year

Notes

- 1 Please report Estimated Consumption for all unmetered consumer categories
- 2 Norm: Annual Consumption Norm
- 3 EC_{UM}: Estimated Consumption for Unmetered energy sales



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

FAC For JAN 2015

Form 3: Energy Availability								
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Jan-15			Cumulative upto Month & Year	
			Order	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
0.9	MSPGCL	MU						
5311.6	Khaparkhedda	MU	4,751.18	395.93	445,24237		2,375.59	3,716.15
2625.5	Bhusawal	MU	2,348.47	195.71	21,43113		1,174.24	831.70
3894.1	Nasik	MU	3,483.22	290.27	343,67779		1,741.61	3,074.55
3915.3	Parli	MU	3,502.17	291.85	170,01069		1,751.09	992.41
3875.3	Koradi	MU	3,466.40	288.87	173,78911		1,733.20	1,675.67
14937.6	Chandrapur	MU	13,361.57	1,113.46	1,018,06957		6,680.78	9,410.74
1594.3	Paras 3	MU	1,426.11	118.84	129,094826		713.05	1,041.15
1594.3	parli 6	MU	1,426.11	118.84	134,304		713.05	1,153.62
1594.3	Parli -7	MU	1,426.11	118.84	120,692		713.05	1,095.51
1594.3	Paras -4	MU	1,426.11	118.84	99,012294		713.05	1,198.74
1909.9	KPKD 5	MU	1,909.86	159.16	249,01700		954.93	2,331.64
797.2	Bhusawal 4	MU	797.16	66.43	279,70413		398.58	1,904.55
4596.4	Gas Thermal	MU	4,111.40	342.62	248,78630		2,055.70	2,874.25
	Bhusawal 5	MU	-	-	211,73888		-	-
	Gas Thermal (RLNG)	MU	-	-	-		-	-
3430.3	Hydel Stations	MU	3,430.30	285.86	340,21914		1,715.15	3,446.52
	Subtotal	MU	46,866.17	3,905.51	3,984,78921		23,433.08	34,747.21
2.0	Net Power Purchase ²	MU						
	Central Gen Stns		34,777.82	2,942.60	2,288.51		17,388.91	25,769.80
	Korba	MU	5,400.00	450.00	441.27		2,700.00	3,952.60
	Korba III	MU	686.78	57.23	92.52		343.39	813.67
	Vindhyanchal - I	MU	3,516.00	293.00	218,29		1,758.00	2,414.73
	Vindhyanchal - II	MU	2,940.00	245.00	217.65		1,470.00	1,937.32
	Vindhyanchal-III	MU	2,400.00	200.00	186.48		1,200.00	1,696.23
	Vindhyanchal-IV	MU	381.00	76.20	198.44		190.50	1,820.74
	Kawas - APM	MU	1,080.00	90.00	6.87		540.00	518.02
	Gandhar - APM	MU	1,020.00	85.00	-		510.00	541.27
	Farrakka	MU	-	-	-		-	-
	Talcher	MU	-	-	-		-	-
	Kahalgaon	MU	-	-	-		-	-
	Kahalgaon II unit	MU	720.00	60.00	43.37		360.00	629.85
	Sipat Stage II - Unit 1	MU	4,982.71	415.23	340,143		2,491.36	3,584.22
	Sipat Stage II - Unit 2	MU			177,227		-	1,762.44
	Mouda	MU					-	1,047.30
	Kakrapar	MU	760.40	63.37	100.75		380.20	888.78
	Tarapur 1 & 2	MU	1,280.00	106.67	28.80		640.00	832.93
	Tarapur 3 & 4	MU	3,292.93	274.41	146.75		1,646.47	2,553.85
	RGPP -	MU	5,256.00	438.00	-		2,628.00	-
	Sardar Sarovar	MU	990.00	82.50	74.39		495.00	663.30
	Pench	MU	72.00	6.00	15.57		36.00	112.55

Form 3: Energy Availability								
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Jan-15			Cumulative upto Month & Year	
			Order	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	HYDRO PLANT		131.00	10.92	0.11		65.50	52.74
	Dodson - I	MU	42.00	3.50	0.112		21.00	23.50
	Dodson - II	MU	89.00	7.42	-		44.50	29.24
	Renewables	MU	8,643.30	720.28	984.78		4,321.65	7,500.19
	Other Hydro	MU	194	16.13	15.947		96.75	134.08
	Wind Purchase & Bio mass Bagasse	MU	7,259	604.90	798.376		3,629.40	6,154.03
	CPP	MU	900.00	75.00	138.98		450.00	974.16
	Solar	MU	271.50	22.63	31.437		135.75	237.59
	MSW	MU	19.50	1.63	0.038		9.75	0.33
	Other Purchases	MU	4,687.75	712.05	1,397.92		2,343.88	12,405.86
	IJP JSW	MU	1,934.21	161.18	181.55		967.10	1,855.51
	Mundra UMPP CGPI	MU	1,610.96	170.00	434.77		805.48	4,073.00
	Adani Power 1320	MU	1,142.59	380.86	781.60		571.29	6,477.35
	INDIABULL	MU					-	-
	Traders	MU	10,675.00	889.58	1,027.57		5,337.50	12,394.46
	LANCO/NESTCL	MU					-	-
	NVVN	MU					-	-
	JPL	MU					-	-
	TPTCL	MU					-	4.09
	WBSEDCL	MU					-	-
	RETL	MU					-	-
	IEX power	MU			35.32		-	1,722.98
	PTC	MU					-	4.13
	SHREE CEMENT	MU					-	-
	RPG PTCL	MU					-	-
	isw ptcl	MU					-	784.62
	INSTINCT INFRA	MU					-	-
	Adani infirm	MU			18.93		-	122.21
	AEL	MU					-	91.68
	Indrajeet power	MU					-	4.19
	IDEAL Energy	MU					-	-
	India Bull	MU			161.83		-	1,614.08
	Sai Wardha Power	MU					-	66.64
	M/S KNOWLEDGE INFRA	MU					-	-
	MAHAGENCO INFIRM POWER	MU					-	-
	Suryalaxmi	MU					-	-
	Adani 1200	MU			637.66		-	6,176.24
	Adani 125	MU			66.42		-	330.69
	Emco Energy	MU			106.72		-	1,195.86
	PXIL	MU			0.68		-	277.05
	Inter state (grid) losses	MU	(1,309.00)	(109.08)	(109.08)		(654.50)	(1,090.83)
	Unscheduled Interchange (UI)	MU					-	-
	Subtotal	MU	104,472.04	9,071.85	9,574.60		52,236.02	91,779.42
3.0	Energy Available	MU						
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU	104,472.04	9,071.85	9,683.68	Inter state (Grid)losses 109.083333333333	76,224.11	95,016.21
3.3	Net Energy Available at transmission voltage	MU	108,537.00	9,044.75	9712.89		54,268.50	95,324.78
3.4	Net Energy Available at distribution voltage	MU	103935	8,661.25	9024.73		51,967.52	92,185.01
Note:								
1. All the parameters and power purchase has been considered as per APR order FY2011-12 of MSEDCCL & MSPGCL								
2. Power purchase have been considered as per Audited Power Purchsed statement								
3. order figure for interstate loss is taken, since the relevant data was not received so far.								
4. Mus of MSPGCL is considerd on the basis of FAC bill of MSPGL provided by the officials.								

Title Form 4: Losses

Sr. No.	Parameter	Unit	FY 2014-15	Jan-15		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	9713	90,447.50	95325
1.2	Energy Sales at transmission voltages	MU	-	-	0	-	0
1.3	Energy fed to Distribution System	MU	103935	8661	9025	86,612.53	92185
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU	4602	383	688	3834.97	3139.76
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%	4.24%	4.24%	7.08%	4.24%	3.29%
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	9024.73	87,035.03	92230
2.2	Energy Sales (Metered) at distribution voltages	MU	77291	6441	6741.66	64,408.87	69330.61
2.3	Estimated Consumption for Unmetered Categories	MU	10680	890	1137.37	8,900.30	9927.24
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU	16471	1373	1145.71	13,725.86	12,972.53
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%	15.77%	15.77%	12.70%	15.77%	14.07%
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	9712.89	90,447.50	95325
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU	87971.00	7,330.92	7879.02	73,309.17	79258
3.3	T&D Loss (3.1 - 3.2)	MU	20566.00	1,713.83	1833.87	17,138.33	16066.93
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%	18.95%	18.95%	18.88%	18.95%	16.85%
4.0	Excess T&D Loss = T&D Loss (3.3) - T&Dapp x Net Energy Input (3.1)	MU			0		

Note: 1. Tariff order mentions Transmission loss of 2.99% and Distribution loss of 16.92%
2. Excess T&D loss computed on cumulative distribution loss only.

Form 6.2

7

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	2.49
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	2.77
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.28
4.0	Generation ¹ + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	9,234.38
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	25,741.81

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.

Title Form 9: Adjustment for over-recovery/under-recovery

Sr. No. (A)	Parameter (B)	Unit (C)	Value (D)
1.0	Adjustment for over-recovery/under-recovery ('B')		
1.1	Incremental cost allowed to be recovered in Month (Sept 13)	Rs Lakh	42,610.43
	Incremental cost in Month j-4 actually recovered in month j-2 (JUN-13)	Rs Lakh	16,681
1.3	under recovery /over recovery	Rs Lakh	25,929.51
2.0	C/F DUE TO FORMULA ERROR for regular FAC for dEC 14	Rs Lakh	10,933.19
2.2	KhaparKheda U 5 energy ch impact for mar 14 as per MERC order No 44 of 2013 datd 4th Sept 2013	Rs Lakh	1,917.43
2.3	MERC case No 122 of 2014 for MSPGCL true up of 12-13 impact	Rs Lakh	20,667.33
3.0	Adjustment factor for over-recovery/under-recovery	Rs Lakh	33,517.95
Over/under recovery is charged catagorywise and slabwise in 8.3 statement so it is not considered here in calculating FAC p/u			

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. For JAN 2015
Prakashgad, Bandra (E), Mumbai.

Form 11: Total Fuel Cost and Power Purchase Adjustment
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	25,741.81
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	33,517.95
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	59,259.76
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	59,259.76

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. FAC For JAN 2015
Prakashgad, Bandra (E), Mumbai.

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	6,700.41
2.0	Estimated Consumption within License Area (Table 1.2)	MU	1,137.37
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	59,259.76
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	75.61
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	0.756079

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. AC For JAN 2015
Prakashgad, Bandra (E), Mumbai.

Form 15: Summary

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	25,741.81
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	33,517.95
1.7	FAC (A) = C + I + B	Rs Lakh	59,259.76
2.0	Calculation of FAC_{kWh}		
2.1	Sale within License Area	MU	7,837.78
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC _{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	75.61
2.4	Cap on monthly FAC Charge	Paise/kWh	75.61
2.5	FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge	Rs/kWh	0.7561
3.0	FAC (A)		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	59,259.76
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	47,230.69
3.4	C/f from Previous month 2.	Rs Lakh	-
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	25,929.51
3.6	Total FAC to be charged in current month 4=(1+2+3)	Rs Lakh	73,160.19
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	73,160.19
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

