

Table 1.1 Energy Sales - Metered								
Sr. No.	Consumer Category	Unit	ORDER FY 12-13	Dec-13			Cumulative upto Month & Year	
				Order	Order	Actual	Reasons for material variation	Order
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
<b>1.0</b>	<b>Energy Sales in License Area<sup>1</sup></b>							
	<b>LT - Categories</b>							
	LT I - Domestic							
	BPL Consumers	MU	217.00	18.08	11.83		162.75	102.61
	Other Domestic Consumers	MU	14,932.00	1,244.33	1210.72		11,199.00	12,770.34
	LT II - Commercial	MU	3,958.00	329.83	304.12		2,968.50	3,035.57
	LT III - Water Works	MU	539.00	44.92	48.73		404.25	433.61
	LT IV - Agriculture	MU	10,660.00	888.33	1640.43		7,995.00	7,360.62
	LT V - Industrial & Power Loom	MU	5,347.00	445.58	561.96		4,010.25	5,502.65
	Bhivandi Franchisee	MU	-	-	-		-	-
	<b>LT VI - Streetlight</b>	MU						
	Grampanchayat & Municipal Council	MU	831.00	69.25	110.90		623.25	935.21
	Municipal Corporation Areas							
	<b>LT VII - Temporary</b>	MU						
	Temporary Connections (Religious)	MU	68.00	5.67	1.77		51.00	17.66
	Temporary Connections (Other Purpose)	MU						
	<b>LT VIII - Advt &amp; Hoardings</b>	MU	4.00	0.33	0.25		3.00	2.33
	<b>LTX - Crematoriums</b>	MU	2	0.17	0.15		1.50	1.07
	<b>LTX - Public Services</b>	MU	0	-	7.58	0.95545	0.00	62.73
	<b>HT - Categories</b>							
	<b>HT I - Industries</b>							
	Continuous	MU	18,554.20	1,546.18	1017.43		21,214.80	17,542.55
	Non-Continuous		9,732.20	811.02	978.14			
	Seasonal Industry	MU	148.20	12.35	27.70		111.15	78.14
	<b>HT II - Commercial</b>	MU	2,140.20	178.35	170.94		1,605.15	1,513.49
	<b>HT III - Railways</b>	MU	1,460.20	121.68	126.92		1,095.15	1,118.22
	<b>HT IV - Water Works</b>	MU						
	Express Feeders	MU	969.20	80.77	108.84		726.90	1,004.36
	Non-Express Feeders		219.20	18.27	17.72		164.40	158.93
	<b>HT V - Agriculture (Includes Poultry)</b>	MU	714.60	59.55	68.63		535.95	594.43
	<b>HT VI - Bulk Supply</b>	MU						
	Residential (Group Housing)		328.20	27.35	17.42		246.15	174.99
	Commercial Complex		-	-	-		-	-
	<b>HT IX Pub Service</b>	MU			56.23		-	553.69
	<b>HT Port</b>	MU			6.18		-	17.77
	<b>Others</b>	MU			382.133		-	2,374.54
	<b>Subtotal</b>	<b>MU</b>	<b>70,824.20</b>	<b>5,902.02</b>	<b>6,876.70</b>		<b>53,118.15</b>	<b>56,154.40</b>
<b>2.0</b>	<b>Energy Sales outside License Area excluding Energy Sales reported at (3)</b>							
<b>4.0</b>	<b>Total Energy Sales (1.0 + 2.0 + 3.0)</b>	<b>MU</b>	<b>70,824.20</b>	<b>5,902.02</b>	<b>6,876.70</b>		<b>53,118.15</b>	<b>56,154.40</b>
<b>5.0</b>	<b>Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order (1.0 + 2.0)</b>	<b>MU</b>	<b>70,824.20</b>	<b>5,902.02</b>	<b>6,876.70</b>		<b>53,118.15</b>	<b>56,154.40</b>

**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 Auxiliary consumption, which is deducted from total to match the total purchase with IT statement.



# FAC COMPUTATION FOR DEC 2013

GROUP 1

ENERGY BALANCE

MSEDCL

**Table 1.2**  
**Title Energy Sales - UnMetered**

Sr. No.	Consumer Category <sup>1</sup>	ORDER FY 12-13			Dec-13				Cumulative upto Month & Year	
		Load	Norm <sup>2</sup>	EC <sub>UM</sub> <sup>3</sup>	Order	Load	EC <sub>UM</sub> <sup>3</sup>	Reasons for material variation	Order	EC <sub>UM</sub> <sup>3</sup>
		HP	hrs/ HP/ Year *	MU	MU	HP	MU		MU	MU
<b>1.0</b>	<b>Unmetered Hrs&gt;1318</b>		<b>1,734.33</b>	<b>4454</b>	<b>371</b>		<b>679.66</b>		<b>3341</b>	<b>3945</b>
	Bhandup (U)		1,474.00	0	0		0.00000	0	0	0
	Nasik		1,521.00	3015	251		270.13	132.02574	2261	1373
	Pune		2,208.00	1439	120		26.70	13.348291	1079	156
	Jalgaon				0		156.09	107.69419	0	1072
	Baramati				0		226.73	136.93029	0	1344
<b>1.1</b>	<b>Unmetered Hrs&lt;1318</b>		<b>980.00</b>	<b>6226</b>	<b>519</b>		<b>780.23</b>	254.75881	<b>4670</b>	<b>2903</b>
	Amravati		922.00	576	48		186.62	36.107232	432	519
	Aurangabad		1,224.00	1344	112		158.42	57.119059	1008	579
	Kalyan		1,300.00	36	3		-0.01	0.0193437	27	0
	Konkan		533.00	0	0		0.00	0	0	0
	Kolhapur		1,198.00	2156	180		24.67	16.728602	1617	172
	Latur		1,241.00	1864	155		250.45	90.04586	1398	998
	Nagpur (U)		644.00	81	7		5.13	1.619702	60	19
	Nagpur		778.00	170	14		0.000	0.0011547	127	0
	Nanded				0		154.95	53.11786	0	615
<b>1.2</b>	<b>LT-Unmetered PWW</b>			0	0				0	0
	<b>Total</b>	<b>0</b>	<b>2,714.33</b>	<b>10680</b>	<b>890.03</b>		<b>1459.892</b>		<b>8010</b>	<b>6848</b>

\* 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<sub>UM</sub>: Estimated Consumption for Unmetered energy sales

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

**Table 1.3**  
**Title Energy Availability**

Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Dec-13			Cumulative upto Month & Year	
				Order	Order	Actual	Reasons for material variation	Order
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
0.9	<b>MSPGCL</b>	<b>MU</b>						
5311.6	Khaparkheda	<b>MU</b>	4,751.18	395.93	303.67762		2,375.59	2,873.67
2625.5	Bhusawal	<b>MU</b>	2,348.47	195.71	171.99016		1,174.24	1,182.60
3894.1	Nasik	<b>MU</b>	3,483.22	290.27	331.84039		1,741.61	2,435.72
3915.3	Parli	<b>MU</b>	3,502.17	291.85	197.36850		1,751.09	445.36
3875.3	Koradi	<b>MU</b>	3,466.40	288.87	191.43481		1,733.20	1,332.64
14937.6	Chandrapur	<b>MU</b>	13,361.57	1,113.46	875.44638		6,680.78	6,249.17
1594.3	Paras 3	<b>MU</b>	1,426.11	118.84	120.24189		713.05	963.23
1594.3	parli 6	<b>MU</b>	1,426.11	118.84	118.99946		713.05	443.20
1594.3	Parli -7	<b>MU</b>	1,426.11	118.84	114.76800		713.05	483.68
1594.3	Paras -4	<b>MU</b>	1,426.11	118.84	143.94445		713.05	992.85
1909.9	KPKD 5	<b>MU</b>	1,909.86	159.16	258.07100		954.93	1,364.87
797.2	bhusawal 4	<b>MU</b>	797.16	66.43	138.86823		398.58	1,124.52
4596.4	Gas Thermal	<b>MU</b>	4,111.40	342.62	188.81083		2,055.70	2,434.09
	Gas Thermal (RLNG)	<b>MU</b>	-				-	-
3430.3	Hydel Stations	<b>MU</b>	3,430.30	285.86	441.68958		1,715.15	2,928.65
	<b>Subtotal</b>	<b>MU</b>	<b>46,866.17</b>	<b>3,905.51</b>	<b>3,597.15131</b>		<b>23,433.08</b>	<b>25,254.24</b>

Table 1.3 Title Energy Availability				Dec-13			Cumulative upto Month & Year	
Sr. No.	Source of Generation/Power or Purchase	Unit	FY 2013-14					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
			Order	Order	Actual	Reasons for material variation	Order	Actual
<b>2.0</b>	<b>Net Power Purchase<sup>2</sup></b>	<b>MU</b>						
	<b>Central Gen Stns</b>		<b>34,777.82</b>	<b>2,942.60</b>	<b>3,031.31</b>		<b>17,388.91</b>	<b>21,698.22</b>
	Korba	MU	5,400.00	450.00	437.32		2,700.00	3,476.73
	Korba III	MU	686.78	57.23	86.06		343.39	661.42
	Vindhyanchal - I	MU	3,516.00	293.00	311.68		1,758.00	2,246.35
	Vindhyanchal - II	MU	2,940.00	245.00	247.14		1,470.00	1,863.42
	Vindhyanchal-III	MU	2,400.00	200.00	213.42		1,200.00	1,595.21
	Vindhyanchal-IV	MU	381.00	76.20	98.92		190.50	783.35
	Kawas - APM	MU	1,080.00	90.00	108.10		540.00	404.43
	Gandhar - APM	MU	1,020.00	85.00	105.38		510.00	380.07
	Farrakka	MU	-	-	-		-	-
	Talcher	MU	-	-	-		-	-
	Kahalgaon	MU	-	-	-		-	-
	Kahalgaon II unit	MU	720.00	60.00	69.43		360.00	413.54
	Sipat Stage II - Unit 1	MU	4,982.71	415.23	413.088		2,491.36	2,630.26
	Sipat Stage II - Unit 2	MU			202.275		-	1,360.33
	Mouda	MU			77.098		-	98.05
	Kakrapar	MU	760.40	63.37	102.12		380.20	776.57
	Tarapur 1 & 2	MU	1,280.00	106.67	62.26		640.00	614.78
	Tarapur 3 & 4	MU	3,292.93	274.41	253.52		1,646.47	1,818.85
	RGPL -	MU	5,256.00	438.00	145.61		2,628.00	1,292.52
	Sardar Sarovar	MU	990.00	82.50	85.41		495.00	<b>1,188.22</b>
	Pench	MU	72.00	6.00	12.48		36.00	94.12
	<b>HYDRO PLANT</b>		<b>131.00</b>	<b>10.92</b>	<b>13.10</b>		<b>-</b>	<b>63.88</b>
	Dodson - I	MU	42.00	3.50	5.809		21.00	28.19
	Dodson - II	MU	89.00	7.42	7.287		44.50	35.69
	<b>Renewables</b>	<b>MU</b>	<b>8,643.30</b>	<b>720.28</b>	<b>656.87</b>		<b>-</b>	<b>4,321.65</b>
	Other Hydro	MU	194	16.13	21.619		96.75	156.74
	Wind Purchase & Bio mass Baqqase	MU	7,259	604.90	503.213		3,629.40	4,190.67
	CPP	MU	900.00	75.00	104.17		450.00	1,092.57
	Solar	MU	271.50	22.63	27.869		135.75	161.71
	MSW	MU	19.50	1.63	-		9.75	-
	<b>Other Purchases</b>	<b>MU</b>	<b>4,687.75</b>	<b>712.05</b>	<b>1,188.19</b>		<b>-</b>	<b>2,343.88</b>
	IPP JSW	MU	1,934.21	161.18	164.70		967.10	1,555.63
	Mundra UMPP CGPL	MU	1,610.96	170.00	437.97		805.48	3,514.01
	Adani Power 1320	MU	1,142.59	380.86	585.52		571.29	6,049.64
	INDIABULL	MU					-	-
	<b>Traders</b>	<b>MU</b>	<b>10,675.00</b>	<b>889.58</b>	<b>616.64</b>		<b>5,337.50</b>	<b>3,431.30</b>
	LANCO/NESTCL	MU					-	-
	NVVN	MU					-	-
	JPL	MU					-	-
	TPTCL	MU					-	-
	WBSEDCL	MU					-	-
	RETL	MU					-	-
	IEX power	MU			10.30		-	568.55
	PTC	MU					-	-

<b>Table 1.3</b>								
<b>Title Energy Availability</b>								
Sr. No.	Source of Generation/Power Purchase	Unit	FY 2013-14	Dec-13			Cumulative upto Month & Year	
			Order	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	SHREE CEMENT	MU		-			-	-
	RPG PTCL	MU		-			-	-
	jsw 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			59.80		-	615.88
	Wardha Power	MU					-	-
	M/S KNOWLEDGE INFRA	MU					-	-
	MAHAGENCO INFIRM POWER	MU			126.14		-	619.84
	Suryalaxmi	MU					-	13.49
	Adani 1200	MU			418.51		-	708.19
	abhijit	MU					-	-
	Gupta Enrgy	MU					-	-
	PXIL	MU			1.90		-	68.88
	Inter state (grid) Losses	MU	(1,309.00)	(109.08)	(109.08)		(654.50)	(981.75)
	Unscheduled Interchange (UI)	MU	-	-	-		-	(62.99)
	<b>Subtotal</b>	<b>MU</b>	<b>104,472.04</b>	<b>9,071.85</b>	<b>8,994.18</b>		<b>52,236.02</b>	<b>66,123.87</b>
<b>3.0</b>	<b>Energy Available</b>	<b>MU</b>						
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU	104,472.04	9,071.85	9,103.27	Inter state (Grid)losses 109.083333333333	76,224.11	73,430.41
3.3	Net Energy Available at transmission voltage	MU	108,537.00	9,044.75	9163.50		54,268.50	73,672.81
3.4	Net Energy Available at distribution voltage	MU	103935	8,661.25	9015.35		51,967.52	72,885.40
<b>Note:</b>								
1. All the parameters and power purchase has been considered as per APR order FY2010-11 of MSEDCL & MSPGCL								
2. The net energy available at distribution voltage includes wheeling energy of HT consumers. The same has been included in consumption format 1.1 to arrive at correct T&D Loss.								
3. Power purchase have been considered as per Audited Power Purchsed statement								
4. UI bills from 22.09.2013 are not available on FBSM site as on 02.01.2014, hence there are not considered in FAC calculation.								
5. order figure for interstate loss is taken, since the relevant data was not received so far.								
6. No approved quantity has been approved in the MERC Order No. 111 of 2009 for Power Purchase from Traders.								
7. Mus of MSPGCL is consider on the basis of FAC bill of MSPGL provided by the officials.								
Notes								
1 Please provide generation details at the Unit level if Unit-wise generation cost is assessed in the Tariff Order. Else, provide details at the Station level.								
2 Net Power Purchase is net units purchased after accounting for transmission loss within the scope of Utility.								
Please treat as a separate source of power purchase if a different tariff is applicable. (e.g. peak and off peak purchase should be classified								
3 Please confirm that the Principles of Merit Order Despatch specified in the Tariff Order are followed while despatching generating Unit/Station and purchasing power.								

**Table 1.4**  
**Title T&D Loss**

Sr. No.	Parameter	Unit	FY 2013-14		Dec-13		Cumulative upto Month & Year	
			Order	Order	Actual	Order	Actual	
(A)	(B)	(C)	(D)	(E)	(F)	(I)	(J)	
<b>1.0</b>	<b>Transmission and Stepdown Loss<sup>1</sup></b>							
1.1	Net Energy Input at transmission voltages (Net Generation + Net Purchase) *	MU	108,537.00	9,044.75	9163	81,402.75	73673	
1.2	Energy Sales at transmission voltages	MU	-	-	0	-	0	
1.3	Energy fed to Distribution System	MU	103935	8661	9015	77,951.27	72901	
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU	4602	383	148	3451.48	772.24	
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%	<b>4.24%</b>	<b>4.24%</b>	<b>1.62%</b>	<b>4.24%</b>	<b>1.05%</b>	
<b>2.0</b>	<b>Distribution Loss<sup>1</sup></b>							
2.1	Net Energy Input (input from Transmission System + net energy input at distribution voltages)	MU	104,442.03	8,703.50	9015.35	78,331.52	72887	
2.2	Energy Sales (Metered) at distribution voltages	MU	77291	6441	6876.70	57,967.98	56115.41	
2.3	Estimated Consumption for Unmetered Categories	MU	10680	890	1459.89	8,010.27	6848.18	
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU	16471	1373	678.75	12,353.27	9923.83	
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%	<b>15.77%</b>	<b>15.77%</b>	<b>7.53%</b>	<b>15.77%</b>	<b>13.62%</b>	
<b>3.0</b>	<b>Transmission and Distribution (T&amp;D) Loss</b>							
3.1	Net Energy Input (i.e. Net Generation + Net Power Purchase)	MU	108,537.00	9,044.75	9163.50	81,402.75	73673	
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU	87971.00	7,330.92	8336.60	65,978.25	62964	
3.3	T&D Loss (3.1 - 3.2)	MU	20566.00	1,713.83	826.90	15,424.50	10709.22	
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%	<b>18.95%</b>	<b>18.95%</b>	<b>9.02%</b>	<b>18.95%</b>	<b>14.54%</b>	
<b>4.0</b>	<b>Excess T&amp;D Loss = T&amp;D Loss (3.3) - T&amp;Dapp x Net Energy Input (3.1)</b>	<b>MU</b>			<b>0</b>			

**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.**

Notes

1 Please specify the voltage levels for transmission and distribution





**Table 4.1**  
**Title Variable cost of power purchase** <sup>1&11</sup>

Sr. No.	Power Purchase Source <sup>2</sup>	Order (FY 2012-13)			Order for Month & Year			Dec-13								Cumulative Actual upto Month & Year		
		Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Tariff <sup>6</sup>	PP Amt <sup>7</sup>	FAC Unit <sup>8</sup>	FAC Rate <sup>9</sup>	FAC Amt <sup>10</sup>	Var. Cost Amt <sup>4</sup>	Var. Cost <sup>5</sup>	Net Purchase <sup>3</sup>	Var. Cost Amt <sup>4</sup>	Var. Cost <sup>5</sup>
		MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	Rs Lakh	Rs/ kWh	MU	Rs Lakh	Rs/ kWh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K) = (I)*(J)	(L)	(M)	(N) = (L)*(M)	(O) = (K)+(N)	(P)	(Q)	(R)	(S)=(R)/(Q)
	INDIABULL	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	0																	
	Traders	10675	4.50	480,375.00	889.58	4.50	40,031.25	616.64	3.56	21942	617	-	0	21942	3.56	3431	127269.10	3.71
	LANCO/NESTCL	10,675.00			889.58			-			0	-	0	-		-	0.00	#DIV/0!
	NVVN							-			0	-	0	-		-	0.00	#DIV/0!
	JPL							-		0.00	0	-	0	-		-	0.00	#DIV/0!
	TPTCL							-		0.00	0	-	0	-		-	0.00	#DIV/0!
	WBSEDCL							-		0.00	0	-	0	-		-	0.00	#DIV/0!
	IEX power							10.30	4.19	431.90	10		431.90	4.19	568.55	17104.34		
	PTC							-			0				-		0.00	
	SHREE CEMENT							-			0	-	0	-		-	0.00	#DIV/0!
	RPS PTCL							-		0.00	0	-	0	-		-	0.00	
	jsw ptcl							-		0.00	0	-	0	-	#DIV/0!	791.56	28783.01	3.64
	INSTINCT INFRA							-		0.00	0	-	0	-		-	0.00	
	Adani infirm							-		0.00	0	-	0	-		-	0.00	
	GMR							-		0.00	0	-	0	-		-	0.00	
	Indrajeet power							-		0.00	0	-	0	-	#DIV/0!	22.04	711.20	3.23
	IDEAL Energy							-		0.00	0	-	0	-	#DIV/0!	22.88	331.98	1.45
	India Bull							59.80	3.24	1938.62	60		1,938.62	3.24	615.88	20126.43	3.27	
	Wardha Power							-		0.00	0	-	0	-	#DIV/0!	-	0.00	
	M/S KNOWLEDGE INFRA							-		0.00	0	-	0	-	#DIV/0!	-	0.00	
	MAHAGENCO INFIRM POWER							126.14	4.33	5461.12	126		5,461.12	4.33	619.84	27229.92	4.39	
	Suryalaxmi							-			0	-	0	-	#DIV/0!	13.49	437.15	3.24
	Adani 1200							418.51	3.35	14026.87	419		14,026.87	3.35	708.19	30160.13	4.26	
	abhijit							-		0.00	0	-	0	-	#DIV/0!	-	0.00	
	Gupta Enrgy							-		0.00	0	-	0	-	#DIV/0!	-	0.00	
	PXIL							1.90	4.38	83.16	2		83.16	4.38	68.88	2384.94	3.46	
	Inter state (grid) Losses	(1,309.00)			(109)			(109.08)			(109)					(981.75)	0.00	
	Unscheduled Interchange (UI)				0						0				#DIV/0!	(62.99)	786.58	(1.25)
	<b>Total Power Purchase</b>	<b>101,041.74</b>	<b>2.5356</b>	<b>2,562,059.36</b>	<b>8,852.05</b>	<b>2.4913</b>	<b>220,532.75</b>	<b>8,552.49</b>	<b>2.524</b>	<b>215,844.64</b>	<b>8,552.49</b>	<b>-</b>	<b>-</b>	<b>215,844.64</b>	<b>2.52</b>	<b>69,079.21</b>	<b>1670065.48</b>	<b>2.42</b>
	Hvdro	(3,430.30)		2,553,065.18				(441.69)										

**Notes:**

- General Notes
- This Form is applicable for REL and TPC for claim of FAC. This Form would be applicable to MSEDCL upon applicability of FAC Mechanism.
  - Please consider each source of power purchase as separate if the tariff is different.  
e.g. power purchase at two voltages from TPC should be treated as a separate source. Similarly power purchase during peak and off-peak by TPC should be treated as a separate source as differential tariff is applicable for such purchase.
  - Net Purchase: Net Power Purchase
  - Var. Cost Amt: Variable Cost including FAC/FOCA
  - Var. Cost: Variable Cost per unit including FAC/FOCA
  - Tariff: Variable Tariff for Power Purchase
  - PP Amt: Power Purchase cost based on Variable Tariff
  - FAC Unit: Units on which FAC/FOCA charge is levied
  - FAC Rate: FAC/FOCA charge
  - FAC Amt: FAC amount levied during the month
  - Please provide payment advice evidencing actual payment of variable cost. Also submit invoice of the supplier.
  - Kawas Gas is considered at total cost i.e. Fixed & Variable cost
  - No approved quantity has been approved in the MERC Order No. 116 of 2008 for Power Purchase from Traders.

**Table 6.1**  
**Title Composite variable cost of generation and power purchase**

Sr. No.	Parameter	Order (FY 2012-13)			Order for Month & Year			Dec-13			Normative Actual <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year		
		Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Unit	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>
		MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
3.0	Net Power Purchase (Table No. 4.1)	101,041.74	2.54	2,562,059.36	8,852.05	2.49	220,532.75	8,552.49	2.5238	215,844.64	8,552.49	2.5238	215,844.64	69,079.21	2.42	1,670,065.48
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)	<b>101,041.74</b>	<b>2.54</b>	<b>2,562,059.36</b>	<b>8,852.05</b>	<b>2.491319</b>	<b>220,532.75</b>	<b>8,552.49</b>	<b>2.52</b>	<b>215,844.64</b>	<b>8,552.49</b>	<b>2.52376</b>	<b>215,844.64</b>	<b>69,079.21</b>	<b>2.42</b>	<b>1,670,065.48</b>

2,774.69

2774.687211

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.
- 2 Var. Cost: Variable Cost per unit
- 3 Var. Cost Amt: Variable Cost Amount
- 4 For Net Power Purchase, consider Normative Actual same as Actual for Month & Year since no normative parameters are specified

**Table 6.2**

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

<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(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	2.52
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.03
4.0	Generation <sup>1</sup> + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	8,552.49
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	2,774.69

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)**

<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(A)	(B)	(C)	(D)
<b>1.0</b>	<b>Adjustment for over-recovery/under-recovery ('B')</b>		
1.1	Incremental cost allowed to be recovered in Month <b>(Sept 13)</b>	Rs Lakh	(3,216.63)
	Incremental cost in Month j-4 actually recovered in month j-2 <b>(JUN-13)</b>	Rs Lakh	(4,839)
1.3	under recovery /over recovery	Rs Lakh	1,622.51
<b>2.0</b>	C/F DUE TO FORMULA ERROR for regular FAC for Oct 13	Rs Lakh	879.01
<b>2.1</b>	<b>Khaparkheda U 5 energy ch impact for Dec 13 as per MERC order No 44 of 2013 datd 4th Sept 2013</b>	Rs Lakh	1,987.15
<b>2.3</b>	<b>FBSM impact for the month of Oct 13</b>	Rs Lakh	-199.36
<b>3.0</b>	<b>Adjustment factor for over-recovery/under-recovery</b>	Rs Lakh	2,666.80
<b>Over/under recovery is charged catagorywise and slabwise in 8.3 statement so it is not considered here in calculating FAC p/u</b>			

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD for DEC 2013**  
**Prakashgad, Bandra (E), Mumbai.**

**Table 6.7**  
**Title Total Fuel Cost and Power Purchase Adjustment**

<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(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	2,774.69
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	2,666.80
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	5,441.49
6.0	Any unpredictable and uncontrollable expenses incurred (Z) <sup>1</sup>	Rs Lakh	
7.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	5,441.49

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.** FAC for DEC 2013  
**Prakashgad, Bandra (E), Mumbai.**

**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	6,812.75
2.0	Estimated Consumption within License Area (Table 1.2)	MU	1,459.89
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	5,441.49
5.0	FAC Charge (FAC <sub>kWh</sub> ) or FOCA Charge (FOCA <sub>kWh</sub> ) without considering cap on monthly Charge (4.0/(1.0+2.0+3.0))	Paise/kWh	6.58
6.0	Cap on monthly FAC/FOCA Charge	Rs/kWh	N.A.
6.1	Cap at 10% of the variable component of tariff <sup>2</sup>	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 <sub>kWh</sub> ) or FOCA Charge (FOCA <sub>kWh</sub> ) considering cap on monthly FAC Charge/FOCA Charge (lower of 5.0 and 6.3) <sup>1</sup>	Rs/kWh	0.065777

\* Metered sales is reduced by HT-Credit (Wheeling) 83.954599 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 DEC 2013  
Prakashgad, Bandra (E), Mumbai.

**Table 8.1**  
**Title Summary of FAC (A) and FAC<sub>kWh</sub>**

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
<b>1.0</b>	<b>Calculation of FAC (A)</b>		
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	2,774.69
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	2,666.80
<b>1.7</b>	<b>FAC (A) = C + I + B</b>	Rs Lakh	<b>5,441.49</b>
<b>2.0</b>	<b>Calculation of FAC<sub>kWh</sub></b>		
2.1	Sale within License Area	MU	8,272.64
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	6.58
2.4	Cap on monthly FAC Charge	Paise/kWh	73.20
<b>2.5</b>	<b>FAC Charge (FAC<sub>kWh</sub>) considering cap on monthly FAC Charge</b>	Rs/kWh	<b>0.7320</b>
<b>3.0</b>	<b>FAC (A)</b>		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	60,553.95
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	4,095.69
3.4	C/f from Previous month 2.	Rs Lakh	-
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	1,622.51
<b>3.6</b>	<b>Total FAC to be charged in current month 4=(1+2+3)</b>	<b>Rs Lakh</b>	<b>5,718.21</b>
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	6,180.70
3.8	Carried forward FAC (A) for recovery during future period (4-5)	Rs Lakh	<b>0.00</b>

**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



MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO.LTD

FAC for DEC 2013

Sr. No.	Categories	energy charges	Average Cost of Supply	K-Factor/eng ch/ACoS	Actual FAC (Paise/Kwh)	Categories with FAC WITHOUT CAP (paise/Kwh)	Categories with FAC WITH CAP (paise/Kwh)	Monthly Sale in Mus/HP	RATE PER HP	FAC AMT WITHOUT CAP	FAC to be billed in the month of DEC 13 as per FAC of Aug 13	Actual FAC charged in bill for the month of Dec 13	Under / Over Recovery	Amount for the month	FAC TO BE CHARGED IN BILLING MONTH	C/F TO THE NEXT MONTH
											IN LAKHS	IN LAKHS			IN LAKHS	
A	LT Category	PAISA KW/H	PAISA KW/H		a	b	c	d		e=b*d	g	h	i=g-h	j=e+f-i	k	n
1	Domestic (LT-I)															
	A BPL (0-30 Units)	0.76	5.56	0.14	6.58	0.90	15.20	11.83		1.06	-0.96	-1.49801	0.54	1.60	1.35	-16.38
	B Consumption > 30 Units per month															
	i 1-100 Units	3.36	5.56	0.60	6.58	3.97	67.20	846.41		336.35	-239.12	-435.55467	196.44	532.78	6.29	-5155.12
	ii 101-300 Units	6.05	5.56	1.09	6.58	7.16	121.00	268.08		191.82	-210.97	-300.55236	89.59	281.41	10.50	-2962.42
	iii 301-500 Units	7.92	5.56	1.42	6.58	9.37	158.40	39.29		36.80	-103.92	-108.06221	4.14	40.94	10.42	-581.40
	iv 500-1000 Units	8.78	5.56	1.58	6.58	10.38	175.60	26.67		27.69	-46.98	-59.71320	12.73	40.42	15.16	-427.85
	v Above 1000 Units	9.50	5.56	1.71	6.58	11.24	190.00	30.26		34.00	-26.03	-37.66531	11.63	45.64	15.08	-529.40
	Sub Total Domestic															
2	Non Domestic (LT-2)															
	A 0-20 KW															
	a 0-200 Units	5.85	5.56	1.05	6.58	6.92	117.00	120.49		83.36	-43.42	-101.26338	57.84	141.21	11.72	-1268.56
	b Above 200 units	8.38	5.56	1.51	6.58	9.91	167.60	109.36		108.39	-63.33	-141.46854	78.14	186.53	17.06	-1646.36
	ii															
	B >20-50 KW	8.44	5.56	1.52	6.58	9.98	168.80	48.67		48.58	-33.54	-55.16708	21.63	70.21	14.43	-751.36
	>50 KW	10.91	5.56	1.96	6.58	12.90	218.20	25.60		33.03	-23.44	-36.82719	13.38	46.41	18.13	-512.09
	C Sub Total Non Dmestic (LT-2)															
3	Public Water Works (LT-III)															
	A 0-20 KW	2.35	5.56	0.42	6.58	2.78	47.00	40.21		11.18	-8.19	-11.10938	2.91	14.09	3.50	-174.91
	B 20-40 KW	3.11	5.56	0.56	6.58	3.68	62.20	4.93		1.81	-1.29	-1.82530	0.53	2.35	4.76	-28.33
	C 40-50 KW	4.20	5.56	0.76	6.58	4.97	84.00	3.59		1.78	-0.98	-1.37757	0.40	2.18	6.08	-27.95
	Sub Total PWW															
4	Agriculture (LT-IV)															
	A Unmetered Tariff															
	1 Zones with Consumption norm < 1318 Hrs/HP/Annum															
	A) 0-5 HP	2.15	5.56	0.39	6.58	2.54	43.00	4229349.93	1.55	65.52	-91.38	-108.08425	16.71	141.30	3.34	3.34
	B) Above 5 HP	2.15	5.56	0.39	6.58	2.54	43.00		26.20	0.00	0.00		0.00	0.00	3.34	
	2 Zones with Consumption norm > 1318 Hrs/HP/Annum															
	A) 0-5 HP	2.64	5.56	0.47	6.58	3.12	52.80	4235474.14	3.37	142.58	-200.95	-295.37896	94.43	369.14	8.72	8.72
	B) Above 5 HP	2.64	5.56	0.47	6.58	3.12	52.80		56.93	0.00	0.00		0.00	0.00	8.72	
	B Metered Tariff (Including Poultry Farms)	2.10	5.56	0.38	6.58	2.48	42.00	1640.43		407.42	-298.05	-923.75475	625.70	1311.56	8.00	8.00
	Sub Total Agriculture															
5	LT Industries (LT-V)															
	A 0-20 KW	5.06	5.56	0.91	6.58	5.98	101.20	262.13		156.87	-173.06	-181.70476	8.65	165.52	6.31	-2487.26
	B Above 20 KW	7.01	5.56	1.26	6.58	8.29	140.20	299.83		248.58	-196.02	-256.31671	60.30	308.88	10.30	-3894.77
	Sub total (LT-V) General Motive Power															
6	Street Light (LT-VI)															
	A Grampanchayat A, B & C Class Municipal Council	4.12	5.56	0.74	6.58	4.87	82.40	72.98		35.56	-25.83	-41.34830	15.52	51.08	7.00	-550.27
	B Municipal corporation Area	5.00	5.56	0.90	6.58	5.91	100.00	37.92		22.42	-12.23	-29.19063	16.96	39.39	10.39	-339.78
	Sub Total Street Light															
7	Temporary Connection (LT-VII)															
	A Temporary Connection (Religious)	3.27	5.56	0.59	6.58	3.87	65.40	0.16		0.06	-0.23	-0.10361	-0.13	-0.06	3.87	-1.09
	B Temporary Connection (Other Purposes)	15.07	5.56	2.71	6.58	17.82	301.40	1.61		2.87	19.48	-3.50535	22.99	25.86	17.82	-22.70
	Sub Total Temporary															
8	Advertising and Hording (LT-VIII)	20.77	5.56	3.73	6.58	24.56	415.40	0.25		0.60	-0.32	-1.31151	0.99	1.59	64.86	-8.59
9	Crematorium & Burial (LT-IX)	3.37	5.56	0.61	6.58	3.99	67.40	0.15		0.06	-0.01	-0.04171	0.03	0.09	6.02	-0.90
10	Public Services (LT X)															
	A 0-20 KW															
	0-200 Units	5.36	5.56	0.96	6.58	6.34	107.20	2.27		1.44	-13.91	-2.12267	-11.79	-10.35	6.34	-34.65
	Above 200 units	7.88	5.56	1.42	6.58	9.32	157.60	3.26		3.04	-2.38	-4.17904	1.80	4.84	9.32	-46.53
	>20-50 KW	7.79	5.56	1.40	6.58	9.21	155.80	1.01		0.93	-3.30	-1.17393	-2.13	-1.20	9.21	-16.92
	>50 KW	8.24	5.56	1.48	6.58	9.75	164.80	1.04		1.01	-2.48	-1.04781	-1.43	-0.42	9.75	-17.58
	Total LT Category									2004.811	-1802.840	-3141.35	1338.508	3812.953		-21483.114

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO.LTD

FAC for DEC 2013

Sr. No	Categories	energy charges	Average Cost of Supply	K-Factor=engch/ACoS	Actual FAC without CAP (Paise/Kwh)	Categories wise FAC WITHOUT CAP (paise/Kwh)	Categories wise FAC WITH CAP (paise/Kwh)	Monthly Sale in Mus/HP	RATE PER HP	FAC AMT WITHOUT CAP	FAC to be billed in the month of DEC 13 as per FAC of Aug 13	Actual FAC charged in bill for the month of Dec 13	Under / Over Recovery	Amount for the month	FAC TO BE CHARGED IN BILLING MONTH	C/F TO THE NEXT MONTH	
<b>B HT CATEGORY</b>																	
<b>HT-I - Industries</b>																	
A	HT-I - Cont (Express Feeders)	7.01	5.56	1.26	6.58	8.29	140.20	1017.43		843.51	-771.25	-669.00	-102.25	741.25	7.29	-13523.17	
B	HT-I - NonCont (Non Express Feeders)	6.33	5.56	1.14	6.58	7.49	126.60	978.14		732.27	-579.94	-595.11	15.17	747.43	7.64	-11635.82	
C	HT-I - Seasonal Category	7.79	5.56	1.40	6.58	9.21	155.80	27.70		25.52	-10.19	-120.34	110.15	135.67	48.98	-295.83	
<b>2 HT-II Commercial</b>																	
a	Express Feeder	10.45	5.56	1.88	6.58	12.36	209.00	69.85		86.32	-65.25	-64.99	-0.26	86.07	12.32	-1373.74	
b	Non-Express Feeder	9.83	5.56	1.77	6.58	11.63	196.60	101.09		117.52	-91.66	-89.42	-2.24	115.29	11.40	-1872.12	
<b>Total HT II Commercial</b>																	
<b>3 HT-III Railways</b>																	
		7.81	5.56	1.40	6.58	9.24	156.20	126.92		117.23	-90.46	-95.32	4.86	122.09	9.62	-1860.40	
<b>4 HT-IV Public Water Works (PWW)</b>																	
A	Express Feeders	5.05	5.56	0.91	6.58	5.97	101.00	108.84		65.01	-51.78	-52.25	0.47	65.47	6.02	-1033.85	
B	Non-Express Feeders	4.73	5.56	0.85	6.58	5.59	94.60	17.72		9.91	-8.46	-8.33	-0.13	9.78	5.52	-157.85	
<b>Total HT-IV Public Water Works (PWW)</b>																	
<b>5 HT-V Agricultural</b>																	
		2.88	5.56	0.52	6.58	3.41	57.60	68.63		23.38	26.03	50.74	-24.71	-1.33	-0.19	-396.66	
<b>6 HT-VI Bulk Supply</b>																	
A	Residential Complex	4.82	5.56	0.87	6.58	5.70	96.40	17.42		9.93	-9.45	-9.00	-0.45	9.48	5.44	-158.40	
B	Commercial Complex	8.21	5.56	1.48	6.58	9.71	164.20			0.00	0.00		0.00	0.00	9.71	0.00	
<b>8 Temporary Supply</b>																	
8	religious	3.27	5.56	0.59	6.58	3.87	65.40			0.00	0.00		0.00	0.00	3.87	0.00	
	other	12.82	5.56	2.31	6.58	15.16	256.40	0.22		0.33	-8.77	-0.28	-8.49	-8.17	15.16	-13.73	
<b>9 Public services( HT IX)</b>																	
	Express Feeders	8.21	5.56	1.48	6.58	9.71	164.20	29.43		28.58	107.01	-24.08	131.08	159.66	9.71	-323.62	
	Non-Express Feeders	7.65	5.56	1.38	6.58	9.05	153.00	26.79		24.24	140.38	-20.43	160.80	185.05	9.05	-224.91	
<b>10 HT PORT</b>																	
		9.78	5.56	1.76	6.58	11.57	195.60	6.18		7.14			0.00	7.14	11.57		
<b>TOTAL HT Category</b>																	
<b>TOTAL LT Category</b>																	
<b>GRAND TOTAL</b>																	
<b>Actual FAC to Be levied</b>																	
<b>diff c/f in next month</b>																	
										<b>FAC to be Charged</b>							
										<b>C/F due to Formula Error</b>							