

Table 1.1 Energy Sales - Metered								
Sr. No.	Consumer Category	Unit	ORDER FY 12-13	Nov-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	12.06		144.67	90.78
	Other Domestic Consumers	MU	14,932.00	1,244.33	1401.23		9,954.67	11,559.62
	LT II - Commercial	MU	3,958.00	329.83	338.14		2,638.67	2,731.44
	LT III - Water Works	MU	539.00	44.92	49.02		359.33	384.88
	LT IV - Agriculture	MU	10,660.00	888.33	665.03	6.683374	7,106.67	5,720.19
	LT V - Industrial & Power Loom	MU	5,347.00	445.58	553.08		3,564.67	4,940.69
	Bhivandi Franchisee	MU	-	-	-		-	-
	<b>LT VI - Streetlight</b>	MU						
	Grampanchayat & Municipal Council	MU	831.00	69.25	107.95		554.00	824.31
	Municipal Corporation Areas							
	<b>LT VII - Temporary</b>	MU						
	Temporary Connections (Religious)	MU	68.00	5.67	1.94		45.33	15.90
	Temporary Connections (Other Purpose)	MU						
	<b>LT VIII - Advt &amp; Hoardings</b>	MU	4.00	0.33	0.28		2.67	2.08
	<b>LTX - Crematoriums</b>	MU	2	0.17	0.13		1.33	0.92
	<b>LTX - Public Services</b>	MU	0	-	7.61		0.00	55.16
	<b>HT - Categories</b>							
	<b>HT I - Industries</b>							
	Continuous	MU	18,554.20	1,546.18	902.25		18,857.60	15,546.98
	Non-Continuous		9,732.20	811.02	865.17			
	Seasonal Industry	MU	148.20	12.35	17.02		98.80	50.45
	<b>HT II - Commercial</b>	MU	2,140.20	178.35	162.13		1,426.80	1,342.55
	<b>HT III - Railways</b>	MU	1,460.20	121.68	119.01		973.47	991.30
	<b>HT IV - Water Works</b>	MU						
	Express Feeders	MU	969.20	80.77	109.52		646.13	895.51
	Non-Express Feeders		219.20	18.27	16.66		146.13	141.21
	<b>HT V - Agriculture (Includes Poultry)</b>	MU	714.60	59.55	46.03		476.40	525.80
	<b>HT VI - Bulk Supply</b>	MU						
	Residential (Group Housing)		328.20	27.35	16.95		218.80	157.58
	Commercial Complex		-	-	-		-	-
	<b>HT IX Pub Service</b>	MU			57.04			497.46
	<b>HT Port</b>	MU			5.89			11.60
	<b>Others</b>	MU			348.479			1,992.40
	<b>Subtotal</b>	<b>MU</b>	<b>70,824.20</b>	<b>5,902.02</b>	<b>5,802.63</b>		<b>47,216.13</b>	<b>49,277.70</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>5,802.63</b>		<b>47,216.13</b>	<b>49,277.70</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>5,802.63</b>		<b>47,216.13</b>	<b>49,277.70</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 Auxilliary consumption, which is deducted from total to match the total purchase with IT statement.



# FAC COMPUTATION FOR NOV 2013

GROUP 1

ENERGY BALANCE

MSEDCL

Table 1.2  
Title Energy Sales - UnMetered

Sr. No.	Consumer Category <sup>1</sup>	ORDER FY 12-13			Nov-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>390.00</b>		<b>2969</b>	<b>3266</b>
	Bhandup (U)		1,474.00	0	0		0.00000	0	0	0
	Nasik		1,521.00	3015	251		132.03	132.02574	2010	1103
	Pune		2,208.00	1439	120		13.35	13.348291	959	129
	Jalgaon				0		107.69	107.69419	0	916
	Baramati				0		136.93	136.93029	0	1117
<b>1.1</b>	<b>Unmetered Hrs&lt;1318</b>		<b>980.00</b>	<b>6226</b>	<b>519</b>		<b>254.76</b>	<b>254.75881</b>	<b>4151</b>	<b>2123</b>
	Amravati		922.00	576	48		36.11	36.107232	384	333
	Aurangabad		1,224.00	1344	112		57.12	57.119059	896	421
	Kalyan		1,300.00	36	3		0.02	0.0193437	24	0
	Konkan		533.00	0	0		0.00	0	0	0
	Kolhapur		1,198.00	2156	180		16.73	16.728602	1438	148
	Latur		1,241.00	1864	155		90.05	90.04586	1242	747
	Nagpur (U)		644.00	81	7		1.62	1.619702	54	14
	Nagpur		778.00	170	14		0.001	0.0011547	113	0
	Nanded				0		53.12	53.11786	0	460
<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>644.757</b>		<b>7120</b>	<b>5388</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	Nov-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	Nov-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	323.36830		2,375.59	2,569.99
2625.5	Bhusawal	<b>MU</b>	2,348.47	195.71	175.98493		1,174.24	1,182.60
3894.1	Nasik	<b>MU</b>	3,483.22	290.27	321.22324		1,741.61	2,435.72
3915.3	Parli	<b>MU</b>	3,502.17	291.85	159.14570		1,751.09	445.36
3875.3	Koradi	<b>MU</b>	3,466.40	288.87	211.31546		1,733.20	1,332.64
14937.6	Chandrapur	<b>MU</b>	13,361.57	1,113.46	773.29908		6,680.78	6,249.17
1594.3	Paras 3	<b>MU</b>	1,426.11	118.84	107.14250		713.05	963.23
1594.3	parli 6	<b>MU</b>	1,426.11	118.84	85.45971		713.05	443.20
1594.3	Parli -7	<b>MU</b>	1,426.11	118.84	88.81700		713.05	483.68
1594.3	Paras -4	<b>MU</b>	1,426.11	118.84	130.56566		713.05	992.85
1909.9	KPKD 5	<b>MU</b>	1,909.86	159.16	225.21300		954.93	1,364.87
797.2	bhusawal 4	<b>MU</b>	797.16	66.43	60.21983		398.58	1,124.52
4596.4	Gas Thermal	<b>MU</b>	4,111.40	342.62	261.08033		2,055.70	2,434.09
	Gas Thermal (RLNG)	<b>MU</b>	-	-	-		-	-
3430.3	Hydel Stations	<b>MU</b>	3,430.30	285.86	510.61166		1,715.15	2,928.65
	<b>Subtotal</b>	<b>MU</b>	<b>46,866.17</b>	<b>3,905.51</b>	<b>3,433.44641</b>		<b>23,433.08</b>	<b>24,950.56</b>

Table 1.3 Title Energy Availability				Nov-13			Cumulative upto Month & Year	
Sr. No.	Source of Generation/Power or Purchase	Unit	FY 2013-14	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
<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>2,870.78</b>		<b>17,388.91</b>	<b>21,698.22</b>
	Korba	MU	5,400.00	450.00	461.05		2,700.00	3,476.73
	Korba III	MU	686.78	57.23	92.96		343.39	661.42
	Vindhyanchal - I	MU	3,516.00	293.00	294.56		1,758.00	2,246.35
	Vindhyanchal - II	MU	2,940.00	245.00	241.79		1,470.00	1,863.42
	Vindhyanchal-III	MU	2,400.00	200.00	203.21		1,200.00	1,595.21
	Vindhyanchal-IV	MU	381.00	76.20	115.64		190.50	783.35
	Kawas - APM	MU	1,080.00	90.00	74.27		540.00	404.43
	Gandhar - APM	MU	1,020.00	85.00	62.45		510.00	380.07
	Farrakka	MU	-	-	-		-	-
	Talcher	MU	-	-	-		-	-
	Kahalgaon	MU	-	-	-		-	-
	Kahalgaon II unit	MU	720.00	60.00	76.72		360.00	413.54
	Sipat Stage II - Unit 1	MU	4,982.71	415.23	406.559		2,491.36	2,630.26
	Sipat Stage II - Unit 2	MU			188.745		-	1,360.33
	Mouda	MU			70.509		-	98.05
	Kakrapar	MU	760.40	63.37	94.83		380.20	776.57
	Tarapur 1 & 2	MU	1,280.00	106.67	97.64		640.00	614.78
	Tarapur 3 & 4	MU	3,292.93	274.41	273.74		1,646.47	1,818.85
	RGPL -	MU	5,256.00	438.00	-		2,628.00	1,292.52
	Sardar Sarovar	MU	990.00	82.50	102.82		495.00	1,188.22
	Pench	MU	72.00	6.00	13.29		36.00	94.12
	<b>HYDRO PLANT</b>		<b>131.00</b>	<b>10.92</b>	<b>-</b>		<b>65.50</b>	<b>50.79</b>
	Dodson - I	MU	42.00	3.50	-		21.00	22.38
	Dodson - II	MU	89.00	7.42	-		44.50	28.40
	<b>Renewables</b>	<b>MU</b>	<b>8,643.30</b>	<b>720.28</b>	<b>342.04</b>		<b>4,321.65</b>	<b>4,944.82</b>
	Other Hydro	MU	194	16.13	17.802		96.75	135.12
	Wind Purchase & Bio mass Baqqase	MU	7,259	604.90	196.607		3,629.40	3,687.46
	CPP	MU	900.00	75.00	107.88		450.00	988.40
	Solar	MU	271.50	22.63	19.747		135.75	133.84
	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>1,155.93</b>		<b>2,343.88</b>	<b>9,931.09</b>
	IPP JSW	MU	1,934.21	161.18	190.10		967.10	1,390.92
	Mundra UMPP CGPL	MU	1,610.96	170.00	256.75		805.48	3,076.04
	Adani Power	MU	1,142.59	380.86	709.09		571.29	5,464.13
	INDIABULL	MU					-	-
	<b>Traders</b>	<b>MU</b>	<b>10,675.00</b>	<b>889.58</b>	<b>617.98</b>		<b>5,337.50</b>	<b>2,814.66</b>
	LANCO/NESTCL	MU					-	-
	NVVN	MU					-	-
	JPL	MU					-	-
	TPTCL	MU					-	-
	WBSEDCL	MU					-	-
	RETL	MU					-	-
	IEX power	MU			201.32		-	558.25
	PTC	MU					-	-

Table 1.3		Energy Availability		FY 2013-14		Nov-13		Cumulative upto Month & Year	
Sr. No.	Source of Generation/Power Purchase	Unit	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			110.16		-	556.08	
	Wardha Power	MU		-			-	-	
	M/S KNOWLEDGE INFRA	MU		-			-	-	
	MAHAGENCO INFIRM POWER	MU			9.53		-	493.70	
	Suryalaxmi	MU		-			-	13.49	
	Adani 1200	MU			289.68		-	289.68	
	abhijit	MU		-			-	-	
	Gupta Enrgy	MU		-			-	-	
	PXIL	MU			7.30		-	66.98	
	Inter state (grid) Losses	MU	(1,309.00)	(109.08)	(109.08)		(654.50)	(872.67)	
	Unscheduled Interchange (UI)	MU	-	-			-	(62.99)	
	<b>Subtotal</b>	<b>MU</b>	<b>104,472.04</b>	<b>9,071.85</b>	<b>8,311.10</b>		<b>52,236.02</b>	<b>63,454.47</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	8,420.18	Inter state (Grid)losses 109.083333333333	76,224.11	64,327.14	
3.3	Net Energy Available at transmission voltage	MU	108,537.00	9,044.75	8444.66		54,268.50	64,509.32	
3.4	Net Energy Available at distribution voltage	MU	103935	8,661.25	8400.84		51,967.52	63,870.05	
<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		Nov-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	8445	72,358.00	64509	
1.2	Energy Sales at transmission voltages	MU	-	-	0	-	0	
1.3	Energy fed to Distribution System	MU	103935	8661	8401	69,290.02	63885	
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU	4602	383	44	3067.98	624.10	
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%	<b>4.24%</b>	<b>4.24%</b>	<b>0.52%</b>	<b>4.24%</b>	<b>0.97%</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	8400.84	69,628.02	63872	
2.2	Energy Sales (Metered) at distribution voltages	MU	77291	6441	5802.63	51,527.10	49238.71	
2.3	Estimated Consumption for Unmetered Categories	MU	10680	890	644.76	7,120.24	5388.29	
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU	16471	1373	1953.46	10,980.69	9245.08	
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%	<b>15.77%</b>	<b>15.77%</b>	<b>23.25%</b>	<b>15.77%</b>	<b>14.47%</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	8444.66	72,358.00	64509	
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU	87971.00	7,330.92	6447.39	58,647.33	54627	
3.3	T&D Loss (3.1 - 3.2)	MU	20566.00	1,713.83	1997.27	13,710.67	9882.32	
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%	<b>18.95%</b>	<b>18.95%</b>	<b>23.65%</b>	<b>18.95%</b>	<b>15.32%</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





Sr. No.	Power Purchase Source <sup>2</sup>	Order (FY 2012-13)			Order for Month & Year			Nov-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	-	-	-	-	-	-	-	-	-	-	-	-	-
	Traders	10675	4.50	480,375.00	889.58	4.50	40,031.25	617.98	4.37	27017	618	-	0	27017	4.37	2815	105327.44	3.74
	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	-	-	-	-	-	-	201.32	3.14	6314.60	201	-	6,314.60	3.14	558.25	16672.45	-	-
	PTC	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	0.00	-
	SHREE CEMENT	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	0.00	#DIV/0!
	RPS PTCL	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	-	-	0.00	-
	jsw ptcl	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	#DIV/0!	791.56	28783.01	3.64
	INSTINCT INFRA	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	-	-	0.00	-
	Adani infirm	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	-	-	0.00	-
	GMR	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	-	-	0.00	-
	Indrajeet power	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	#DIV/0!	22.04	711.20	3.23
	IDEAL Energy	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	#DIV/0!	22.88	331.98	1.45
	India Bull	-	-	-	-	-	-	110.16	3.22	3547.47	110	-	0	3,547.47	3.22	556.08	18187.80	3.27
	Wardha Power	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	-	-	0.00	-
	M/S KNOWLEDGE INFRA	-	-	-	-	-	-	0.00	-	0.00	0	-	0	-	-	-	0.00	-
	MAHAGENCO INFIRM POWER	-	-	-	-	-	-	9.53	8.35	796.15	10	-	0	796.15	8.35	493.70	21768.80	4.41
	Suryalaxmi	-	-	-	-	-	-	-	-	-	0	-	0	-	#DIV/0!	13.49	437.15	3.24
	Adani 1200	-	-	-	-	-	-	289.68	5.57	16133.27	290	-	0	16,133.27	289.68	16133.27	5.57	
	abhijit	-	-	-	-	-	-	-	-	0.00	0	-	0	-	-	-	0.00	-
	Gupta Enrgy	-	-	-	-	-	-	-	-	0.00	0	-	0	-	-	-	0.00	-
	PXIL	-	-	-	-	-	-	7.30	3.09	225.30	7	-	0	225.30	3.09	66.98	2301.78	3.44
	Inter state (grid) Losses	(1,309.00)	-	-	(109)	-	-	(109.08)	-	-	(109)	-	0	-	-	(872.67)	0.00	-
	Unscheduled Interchange (UI)	-	-	-	0	-	-	-	-	-	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>7,800.48</b>	<b>2.456</b>	<b>191,578.53</b>	<b>7,800.48</b>	<b>-</b>	<b>-</b>	<b>191,578.53</b>	<b>2.46</b>	<b>60,526.72</b>	<b>1454220.84</b>	<b>2.40</b>
	Hvdro	(3,430.30)	-	-	-	-	-	(510.61)	-	-	-	-	-	-	-	-	-	-

**Note:**

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			Nov-13			Normative Actual <sup>1</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	7,800.48	2.4560	191,578.53	7,800.48	2.4560	191,578.53	60,526.72	2.40	1,454,220.84
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>7,800.48</b>	<b>2.46</b>	<b>191,578.53</b>	<b>7,800.48</b>	<b>2.45598</b>	<b>191,578.53</b>	<b>60,526.72</b>	<b>2.40</b>	<b>1,454,220.84</b>

(2,756.46)

-2756.462316

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	2.46
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	(0.04)
4.0	Generation <sup>1</sup> + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	7,800.48
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	(2,756.46)

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	(2,878)
1.3	under recovery /over recovery	Rs Lakh	(338.95)
<b>2.0</b>	C/F DUE TO FORMULA ERROR for regular FAC for Oct 13	Rs Lakh	(933.75)
<b>2.1</b>	<b>Khaparkheda U 5 energy ch impact for Nov 13 as per MERC order No 44 of 2013 datd 4th Sept 2013</b>	Rs Lakh	1,734.14
<b>2.2</b>	<b>NTPC Energy Charges Adjustment from Oct 12 to Aug 13</b>	Rs Lakh	9,638.51
<b>2.3</b>	<b>FBSM impact for the month of Sept 13</b>	Rs Lakh	1,009.32
<b>3.0</b>	<b>Adjustment factor for over-recovery/under-recovery</b>	Rs Lakh	11,448.23
<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 NOV 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	(2,756.46)
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	11,448.23
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	8,691.76
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	8,691.76

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.** FAC for NOV 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	5,739.40
2.0	Estimated Consumption within License Area (Table 1.2)	MU	644.76
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	8,691.76
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	13.61
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	0.136146

\* 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 NOV 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	(2,756.46)
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	11,448.23
<b>1.7</b>	<b>FAC (A) = C + I + B</b>	Rs Lakh	<b>8,691.76</b>
<b>2.0</b>	<b>Calculation of FAC<sub>kWh</sub></b>		
2.1	Sale within License Area	MU	6,384.16
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	13.61
2.4	Cap on monthly FAC Charge	Paise/kWh	89.88
<b>2.5</b>	<b>FAC Charge (FAC<sub>kWh</sub>) considering cap on monthly FAC Charge</b>	Rs/kWh	0.8988
<b>3.0</b>	<b>FAC (A)</b>		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	57,382.26
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	7,812.75
3.4	C/f from Previous month 2.	Rs Lakh	-
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	(338.95)
<b>3.6</b>	<b>Total FAC to be charged in current month 4=(1+2+3)</b>	<b>Rs Lakh</b>	<b>7,473.80</b>
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	7,280.52
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 NOV 2013

Sr. No.	Categories	energy charges	Average Cost of Supply	K-Factor/eng ch/ACoS	Actual FAC (Paise/Kwh)	Categorieswise FAC WITHOUT CAP (paise/Kwh)	Categorieswise 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 NOV 13 as per FAC of Aug 13	Actual FAC charged in bill for the month of Nov 13	Under / Over Recovery	Amount for the month	FAC TO BE CHARGED IN BILLING MONTH
		PAISA KWH	PAISA KWH		a	b	c	d		IN LAKHS	IN LAKHS	IN LAKHS	IN LAKHS	IN LAKHS	PAISA/KWH
<b>1</b>	<b>Domestic (LT-I)</b>									<b>e=b*d</b>	<b>g</b>	<b>h</b>	<b>i=g-h</b>	<b>j=e+f+i</b>	<b>k</b>
A	BPL (0-30 Units)	0.76	5.56	0.14	13.61	1.86	15.20	12.06		2.24	-0.96	-1.36325	0.40	2.64	2.19
B	Consumption > 30 Units per month														
i	1-100 Units	3.36	5.56	0.60	13.61	8.22	67.20	938.74		772.11	-239.12	-278.00554	38.89	811.00	8.64
ii	101-300 Units	6.05	5.56	1.09	13.61	14.81	121.00	347.62		514.82	-210.97	-261.06288	50.10	564.91	16.25
iii	301-500 Units	7.92	5.56	1.42	13.61	19.39	158.40	51.96		100.74	-103.92	-121.84928	17.93	118.67	22.84
iv	500-1000 Units	8.78	5.56	1.58	13.61	21.49	175.60	31.66		68.05	-46.98	-51.54830	4.57	72.62	22.94
v	Above 1000 Units	9.50	5.56	1.71	13.61	23.26	190.00	31.25		72.67	-26.03	-25.01632	-1.02	71.66	22.93
	<b>Sub Total Domestic</b>														
<b>2</b>	<b>Non Domestic (LT-2)</b>														
A	0-20 KW														
a	0-200 Units	8.85	5.56	1.05	13.61	14.32	117.00	132.95		190.39	-43.42	-57.43225	14.01	204.41	15.37
b	Above 200 units	8.38	5.56	1.51	13.61	20.51	167.60	124.77		255.95	-63.33	-87.10785	23.78	279.74	22.42
ii															
B	>20-50 KW	8.44	5.56	1.52	13.61	20.66	168.80	52.51		108.49	-33.54	-55.46167	21.92	130.41	24.84
	>50 KW	10.91	5.56	1.96	13.61	26.71	218.20	27.91		74.53	-23.44	-28.32755	4.88	79.41	28.46
	<b>C Sub Total Non Dmestic (LT-2)</b>														
<b>3</b>	<b>Public Water Works (LT-III)</b>														
A	0-20 KW	2.35	5.56	0.42	13.61	5.75	47.00	40.32		23.20	-8.19	-8.94947	0.75	23.95	5.94
B	20-40 KW	3.11	5.56	0.56	13.61	7.61	62.20	5.10		3.88	-1.29	-1.50373	0.21	4.09	8.03
C	40-50 KW	4.20	5.56	0.76	13.61	10.28	84.00	3.60		3.70	-0.98	-1.27418	0.30	4.00	11.11
	<b>Sub Total PWW</b>														
<b>4</b>	<b>Agriculture (LT-IV)</b>														
A	Unmetered Tariff														
1	Zones with Consumption norm < 1318 Hrs/HP/Annum														
A)	0-5 HP	2.15	5.56	0.39	13.61	5.26	43.00	4283190.96	3.21	137.34	-91.38	-0.04093	-91.34	46.00	3.21
B)	Above 5 HP	2.15	5.56	0.39	13.61	5.26	43.00		26.20	0.00	0.00		0.00	0.00	3.21
2	Zones with Consumption norm > 1318 Hrs/HP/Annum														
A)	0-5 HP	2.64	5.56	0.47	13.61	6.46	52.80	4285171.93	6.97	298.58	-200.95	-0.00017	-200.95	97.63	6.97
B)	Above 5 HP	2.64	5.56	0.47	13.61	6.46	52.80		56.93	0.00	0.00		0.00	0.00	6.97
B	Metered Tariff (Including Poultry Farms)	2.10	5.56	0.38	13.61	5.14	42.00	665.03		341.87	-298.05	-11.84186	-286.21	55.66	5.14
	<b>Sub Total Agriculture</b>														
<b>5</b>	<b>LT Industries (LT-V)</b>														
A	0-20 KW	5.06	5.56	0.91	13.61	12.39	101.20	260.76		322.99	-173.06	-124.11250	-48.94	274.04	10.51
B	Above 20 KW	7.01	5.56	1.26	13.61	17.16	140.20	292.32		501.62	-196.02	-193.28051	-2.74	498.88	17.07
	<b>Sub total (LT-V) General Motive Power</b>														
<b>6</b>	<b>Street Light (LT-VI)</b>														
A	Grampanchayat A, B & C Class Municipal Council	4.12	5.56	0.74	13.61	10.09	82.40	69.58		70.17	-25.83	-27.40417	1.58	71.75	10.31
B	Municipal corporation Area	5.00	5.56	0.90	13.61	12.24	100.00	38.37		46.96	-12.23	-14.94015	2.71	49.68	12.95
	<b>Sub Total Street Light</b>														
<b>7</b>	<b>Temporary Connection (LT-VII)</b>														
A	Temporary Connection (Religious)	3.27	5.56	0.59	13.61	8.00	65.40	0.34		0.27	-0.23	-0.10995	-0.12	0.15	8.00
B	Temporary Connection (Other Purposes)	15.07	5.56	2.71	13.61	36.89	301.40	1.61		5.93	19.48	-2.47925	21.96	27.89	36.89
	<b>Sub Total Temporary</b>														
<b>8</b>	<b>Advertising and Hording (LT-VIII)</b>	20.77	5.56	3.73	13.61	50.84	415.40	0.28		1.45	-0.32	-0.60355	0.28	1.73	60.65
<b>9</b>	<b>Crematorium &amp; Burial (LT-IX)</b>	3.37	5.56	0.61	13.61	8.25	67.40	0.13		0.11	-0.01	-0.05719	0.05	0.15	11.82
<b>10</b>	<b>Public Services (LT-X)</b>														
	0-20 KW														
	0-200 Units	5.36	5.56	0.96	13.61	13.12	107.20	2.35		3.08	-13.91	-1.53926	-12.37	-9.30	13.12
	Above 200 units	7.88	5.56	1.42	13.61	19.29	157.60	3.40		6.56	-2.38	-2.99454	0.62	7.17	19.29
	>20-50 KW	7.79	5.56	1.40	13.61	19.07	155.80	0.91		1.74	-3.30	-0.77241	-2.53	-0.79	19.07
	>50 KW	8.24	5.56	1.48	13.61	20.17	164.80	0.95		1.91	-2.48	-0.70173	-1.78	0.13	20.17
	<b>Total LT Category</b>							8571499.36		3931.324	-1802.840	-1359.78	-443.060	3488.264	

Sr. No	Categories	energy charges	Average Cost of Supply	K-Factor=eng ch/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 NOV 13 as per FAC of Aug 13	Actual FAC charged in bill for the month of Nov 13	Under / Over Recovery	Amount for the month	FAC TO BE CHARGED IN BILLING MONTH
<b>B HT CATEGORY</b>															
<b>HT-I - Industries</b>															
A	HT-I - Cont (Express Feeders)	7.01	5.56	1.26	13.61	17.16	140.20	902.25		1548.25	-771.25	-594.28	-176.97	1371.28	15.20
B	HT-I - NonCont (Non Express Feeders)	6.33	5.56	1.14	13.61	15.50	126.60	865.17		1340.60	-579.94	-526.60	-53.35	1287.25	14.88
C	HT-I - Seasonal Category	7.79	5.56	1.40	13.61	19.07	155.80	17.02		32.46	-10.19	-73.97	63.78	96.25	56.53
<b>2 HT-II Commercial</b>															
a	Express Feeder	10.45	5.56	1.88	13.61	25.58	209.00	60.49		154.73	-65.25	-63.18	-2.07	152.66	25.24
b	Non-Express Feeder	9.83	5.56	1.77	13.61	24.06	196.60	101.65		244.59	-91.66	-91.17	-0.49	244.11	24.01
<b>Total HT II Commercial</b>															
<b>3 HT-III Railways</b>															
		7.81	5.56	1.40	13.61	19.12	156.20	119.01		227.53	-90.46	-89.38	-1.08	226.46	19.03
<b>4 HT-IV Public Water Works (PWW)</b>															
A	Express Feeders	5.05	5.56	0.91	13.61	12.36	101.00	109.52		135.39	-51.78	-52.57	0.79	136.18	12.43
B	Non-Express Feeders	4.73	5.56	0.85	13.61	11.58	94.60	16.66		19.29	-8.46	-7.83	-0.63	18.66	11.20
<b>Total HT-IV Public Water Works (PWW)</b>															
<b>5 HT-V Agricultural</b>															
		2.88	5.56	0.52	13.61	7.05	57.60	46.03		32.45	26.03	35.49	-9.46	22.99	4.99
<b>6 HT-VI Bulk Supply</b>															
A	Residential Complex	4.82	5.56	0.87	13.61	11.80	96.40	16.95		20.00	-9.45	-8.86	-0.59	19.41	11.45
B	Commercial Complex	8.21	5.56	1.48	13.61	20.10	164.20			0.00	0.00	0.00	0.00	0.00	20.10
<b>8 Temporary Supply</b>															
8	religious	3.27	5.56	0.59	13.61	8.00	65.40			0.00	0.00		0.00	0.00	8.00
	other	12.82	5.56	2.31	13.61	31.38	256.40	0.34		1.06	-8.77	-0.40	-8.37	-7.31	31.38
<b>9 Public services( HT IX)</b>															
	Express Feeders	8.21	5.56	1.48	13.61	20.10	164.20	30.26		60.82	107.01	-24.77	131.77	192.59	20.10
	Non-Express Feeders	7.65	5.56	1.38	13.61	18.73	153.00	26.78		50.15	140.38	-20.39	160.76	210.91	18.73
<b>10 HT PORT</b>															
		9.78	5.56	1.76	13.61	23.94	195.60	5.89		14.11			0.00	14.11	23.94
<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>					
										8691.76		11.71			
										879.01					