

FORMATS AND ENCLOSURES FOR FAC OCT 2016					
Table	Sr. No.	Title of the Form	Reference	Supporting Attached	Annex
<b>Group</b>	<b>1.0</b>	<b>Energy Balance</b>			
FORM	1	Energy Sales - Metered	Yes	FAC Billed IT statement	
FORM	2	Energy Sales - UnMetered	Yes		
FORM	3	Energy Availability	Yes		
FORM	4	T&D Loss	Yes	Energy balance Statement	
FORM	5	Power Purchase Cost		PP statement	
FORM	6	Summery of Power Purchase Cost			
FORM	7	Changes in Power Purchase Cost			
FORM	8	Apportionment of Changes in PP Cost to Licenced Area			
FORM	9	Adjustment for Over-Recovery/Under-Recovery (B)	Yes		
FORM	10	Carrying Cost for Over/Under Recovery	Yes		
FORM	11	Total Fuel Cost and PP Adjustment			
FORM	12	Calculation of per unit FAC/FOCA Charge	Yes		
FORM	13	Calculation of FOCA Charge (FOCA <sub>kWh</sub> ) for Unmetered categories	No		
FORM	14	Recovery of FAC/FOCA Charge	Yes		
FORM	15	Summary of FAC (A) and FAC <sub>kWh</sub>	Yes		
FORM	16	category wise and Slab wise Fac	Yes	IT statement	

MSEDCL

Title Form 1: Energy Sales - Metered							
Sr. No.	Consumer Category	Unit	ORDER FY 15-16	Oct-16		Cumulative upto Month & Year	
			Order	Order	Actual	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)
1.00	Energy Sales in License Area1						
	<b>LT - Categories</b>						
	<b>LT I - Domestic</b>						
	BPL Consumers	MU	113.00	9.42	6.59	65.92	36.52
	Other Domestic Consumers	MU	18,019.00	1,501.58	1,553.73	10,511.08	12,284.12
	LT II - Commercial	MU	4,011.00	334.25	353.44	2,339.75	2,748.00
	LT III - Pub Water Works	MU	661.00	55.08	56.97	385.58	394.20
	LT IV - Agriculture	MU	13,461.00	1,121.75	966.14	7,852.25	8,132.58
	LT V - Industrial & Power Loom	MU	6,286.00	523.83	688.49	3,666.83	4,989.11
	Bhivandi Franchisee	MU	-	-	-	-	-
	<b>LT VI - Streetlight</b>	MU					
	Grampanchayat & Municipal Council	MU	1,222.00	101.83		712.83	1,033.50
	Municipal Corporation Areas	MU	411.00	34.25	147.96	239.75	-
	<b>LT VII - Temporary</b>	MU					
	Temporary Connections (Religious)	MU	2.00	0.17		1.17	9.15
	Temporary Connections (Other Purpose)	MU	16.00	1.33	1.93	9.33	-
	<b>LT VIII - Advt &amp; Hoardings</b>	MU	3.00	0.25	0.332519	1.75	2.26
	<b>LTIX - Crematoriums</b>	MU	2.00	0.17	0.15	1.17	1.08
	<b>LTX - Public Services</b>	MU				0.00	0.00
	<b>A Government</b>						
	I <20 kw						
	0-200 units	MU	5.00	0.42	0.87	2.92	5.41
	> 200 units	MU	7.00	0.58	1.64	4.08	9.48
	II >20 -50 kw	MU	3.00	0.25	0.62	1.75	4.06
	III >50 kw	MU	3.00	0.25	0.61	1.75	3.59
	<b>B others</b>					0.00	0.00
	I <20 kw					0.00	0.00
	0-200 units	MU	41.00	3.42	5.67	23.92	38.62
	> 200 units	MU	64.00	5.33	11.76	37.33	82.51
	II >20 -50 kw	MU	27.00	2.25	5.13	15.75	36.91
	III >50 kw	MU	29.00	2.42	5.20	16.92	38.71
	Prepaid	MU	14.00	1.17	0.95	8.17	7.71
	<b>LT Total A</b>		<b>44,400.00</b>	<b>3,700.00</b>	<b>3,808.20</b>	<b>25,900.00</b>	<b>29,857.51</b>
	<b>HT - Categories</b>					2,842.06	
	<b>HT I - Industries</b>				1,875.23		
	Continuous	MU	13,167.00	1,097.25		15,281.58	9,224.24
	Non-Continuous		13,030.00	1,085.83			
	Seasonal Industry	MU	166.00	13.83		96.83	15.32
	<b>HT II - Commercial</b>	MU	2,206.00	183.83	171.89	1,286.83	1,250.49
	<b>HT III - Railways</b>	MU	1,505.00	125.42	1.39	877.92	5.99
	<b>HT IV - Water Works</b>	MU			155.64		
	Express Feeders	MU	1,154.00	96.17		673.17	573.28
	Non-Express Feeders	MU	239.00	19.92		139.42	94.52
	<b>HT V - Agriculture (Includes Poultry)</b>	MU	871.00	72.58	87.83	508.08	540.05
	<b>HT VI - Bulk Supply</b>	MU					
	Residential (Group Housing)	MU	217.00	18.08	18.80	126.58	141.33
	HT VIII-B Temporary supply others	MU	4.00	0.33	0.24	2.33	1.57
	<b>HT IX Pub Service</b>	MU					
	<b>A Government</b>				15.40		
	Express Feeders	MU	23.00	1.92		13.42	51.98
	Non-Express Feeders	MU	21.00	1.75		12.25	32.10
	<b>B Others</b>				66.38		
	Express Feeders	MU	437.00	36.42		254.92	146.96
	Non-Express Feeders	MU	402.00	33.50		234.50	165.61
	<b>HT X Port</b>	MU	86.00	7.17		50.17	31.88
	<b>HT X Metro/ Mono</b>	MU					
	MSPGCL Aux supply	MU	56.00	4.67	23.50	32.67	90.14
	Other	MU			677.89		5,283.08
	<b>HT Total B</b>	MU	<b>33,584.00</b>	<b>2,798.67</b>	<b>3,094.18</b>	<b>19,590.67</b>	<b>21,723.35</b>
	<b>Total Sale (LT+HT)</b>	MU	<b>77,984.00</b>	<b>6,498.67</b>	<b>6,901.06</b>	<b>45,490.67</b>	<b>51,579.23</b>

Note:

PD Consumers are not considered.

Table 1.2  
Title Energy Sales - UnMetered

Form 2: Energy Sales - Unmetered

Sr. No.	Consumer Category <sup>1</sup>	ORDER FY 15-16			Oct-16				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>5130</b>	<b>428</b>		<b>463.51</b>		<b>2565</b>	<b>3047</b>
	Bhandup (U)		1,474.00				0.00000		0	0
	Nasik		1,521.00				155.44		0	1048
	Pune		2,208.00				23.84		0	150
	Jalgaon						144.24		0	905
	Baramati						139.99		0	944
<b>1.1</b>	<b>Unmetered Hrs&lt;1318</b>		<b>980.00</b>	<b>3852</b>	<b>321</b>		<b>326.55</b>		<b>1926</b>	<b>2181</b>
	<b>Akola</b>						<b>27.28</b>			
	Amravati		922.00	484			41.99		0	374
	Aurangabad		1,224.00	1130			71.24		0	478
	Kalyan		1,300.00	30			0.02		0	0
	Konkan		533.00	0			0.00		0	0
	Kolhapur		1,198.00	1814			18.47		0	116
	Latur		1,241.00	1567			92.20		0	620
	Naqpur (U)		644.00	68			1.88		0	15
	Naqpur		778.00	141			0.000		0	0
	Chandrapur						0.000			
	Gondia						0.000			
	Nanded						73.47		0	469
<b>1.2</b>	<b>LT-Unmetered PWW</b>								<b>0</b>	<b>0</b>
	<b>Total</b>	<b>0</b>	<b>2,714.33</b>	<b>8982</b>	<b>748.50</b>		<b>716.96</b>		<b>4491</b>	<b>5229</b>

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

Title Form 3: Energy Availability

Sr. No.	Source of Generation/Power Purchase	Unit	ORDER FY 15-16		Oct-16		Cumulative upto Month & Year	
			Order	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	MSPGCL	MU						
	Koradi 10	MU	1,481.00	123.42			123.42	-
	Koradi 9	MU	1,781.00	148.42			148.42	-
	Koradi 8	MU	2,962.00	246.83	296.67		246.83	1,795.87
	Chandrapur 8	MU	2,170.00	180.83	280.60		180.83	796.94
	Chandrapur 9	MU	1,562.00	130.17	-		130.17	-
	Paras 3 and 4	MU	3,125.00	260.42	248.07		260.42	1,907.31
	khaperkheda	MU	5,330.00	444.17	244.98		444.17	1,874.94
	parli 8	MU	451.00	37.58	-		37.58	-
	khaperkheda 5	MU	3,072.00	256.00	307.28		256.00	1,850.35
	Chandrapur	MU	11,562.00	963.50	1,020.92		963.50	6,471.90
3430.3	Hydel Stations	MU	4,612.00	384.33	300.61		384.33	1,972.30
	Subtotal	MU	38,108.00	3,175.67	2,699.12		3,175.67	16,669.60
2.0	Net Power Purchase <sup>2</sup>	MU						
	Central Gen Stns		29,696.00	2,474.67	2,593.15		2,474.67	17,900.49
	Korba	MU	4,661.00	388.42	412.43		388.42	2,764.23
	Korba III	MU	936.00	78.00	87.96		78.00	610.23
	Vindhyanchal - I	MU	3,268.00	272.33	215.32		272.33	1,494.91
	Vindhyanchal - II	MU	2,548.00	212.33	185.39		212.33	1,116.68
	Vindhyanchal-III	MU	2,123.00	176.92	117.89		176.92	1,142.75
	Vindhyanchal-IV	MU	2,292.00	191.00	169.89		191.00	1,283.41
	Vindhyanchal-V	MU	557.00	46.42	108.12		46.42	740.41
	Kawas - APM	MU	-	-	49.61		-	240.58
	Gandhar - APM	MU	-	-	54.15		-	364.00
	Farrakka	MU	-	-	-		-	-
	Talcher	MU	-	-	-		-	-
	Kahalgaon	MU	-	-	-		-	-
	Kahalgaon II unit	MU	-	-	50.04		-	465.76
	Sipat - Unit 1	MU	4,363.00	363.58	321.92		363.58	2,604.74
	Sipat Unit 2	MU	2,068.00	172.33	203.95		172.33	1,286.41
	Mouda	MU	-	-	77.917		-	726.42
	Kakrapar	MU	1,050.00	87.50	-		87.50	(1.89)
	Tarapur 1 & 2	MU	1,200.00	100.00	97.50		100.00	500.62
	Tarapur 3 & 4	MU	3,300.00	275.00	263.73		275.00	1,784.79
	RCPP	MU	-	-	-		-	-
	Sardar Sarovar	MU	1,200.00	100.00	152.35		100.00	702.20
	Pench	MU	130.00	10.83	24.97		10.83	74.25
	HYDRO PLANT		120.00	10.00	1.46		10.00	36.96
	Dodson - I	MU	56.00	4.67	1.46		4.67	23.51
	Dodson - II	MU	64.00	5.33	-		5.33	13.45
	Renewables	MU	13,195.00	1,099.58	385.96		1,099.58	6,006.54
	OSP	MU	1,977.00	164.75	12.07		164.75	408.50
	Wind Purchase & Bio mass Bagnase	MU	-	-	317.420		934.83	5,252.48
	Solar	MU	11,218.00	934.83	34.365		-	235.43
	MSW	MU	-	-	0.000		-	0.01
	Other Hydro	MU	-	-	22.10		-	110.12
	Other Purchases	MU	30,491.00	2,540.92	2,735.89		2,540.92	15,370.25
	IPP JSW	MU	1,913.00	159.42	212.03		159.42	1,316.83
	Mundra LIMP CGPI	MU	5,158.00	429.83	470.83		429.83	2,813.42
	Adani Power 1320	MU	8,511.00	709.25	919.15		709.25	4,351.29
	Adani Power 1200	MU	8,220.00	685.00	854.46		685.00	4,220.14
	Adani Power 125	MU	-	-	89.01		-	439.60
	Emco Energy	MU	1,370.00	114.17	138.35		114.17	823.27
	INDIABULL/RattanIndia	MU	5,319.00	443.25	52.85		443.25	1,405.71
	Traders	MU	-	-	807.38		-	6,817.46
	IEX power	MU	-	-	-		-	25.62
	Sai Wardha Power	MU	-	-	-		-	-
	MSPGCL Infirm	MU	-	-	-		-	-
	PXIL	MU	-	-	-		-	1.45
	bhusawal		-	-	(2.19)		-	505.22
	koradi		-	-	27,064.90		-	356.07
	nashik		-	-	234.35		-	1,846.93
	Parli		-	-	-0.987374		-	(2.41)
	uran		-	-	306.88		-	1,784.14
	parli 6 7		-	-	56.25		-	52.98
	Bhusawal unit 4&5		-	-	186.004		-	2,247.47
	Inter state (grid) Losses	MU	(1,152.00)	(96.00)	(96.00)		(96.00)	(672.00)
	Unscheduled Interchange (UI)	MU	-	-	-		-	-
	Subtotal	MU	110,458.00	9,204.83	9,126.95		9,204.83	62,129.30
3.0	Energy Available	MU						
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU	110,458.00	9,204.83	9,222.95	Inter state (Grid)losses 96.00	9,204.83	62,801.30
3.3	Net Energy Available at transmission voltage	MU	110,458.00	9,204.83	9,222.95		9,204.83	62,801.30
3.4	Net Energy Available at distribution voltage	MU	106161	8,846.75	9,459.04		8,846.75	64,723.78
Note:	1. All the parameters and power purchase has been considered as per MYT order for FY2015-16 of MSEDCL dt 26.6.15							
	2. Power purchase have been considered as per Audited Power Purchased statement							
	3. order figure for interstate loss is taken, since the relevant data was not received so far.							

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

**Title Form 4: Losses**

Sr. No.	Parameter	Unit	ORDER FY 15-16 Order	Oct-16		Cumulative upto Month & Year	
				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	110,458.00	9,204.83	9223	64,433.83	62801
1.2	Energy Sales at transmission voltages	MU	-	-	0	-	0
1.3	Energy fed to Distribution System	MU	106161	8847	9459	61,927.25	64724
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU	4297	358	-236	2506.58	-1922.48
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%	<b>3.89%</b>	<b>3.89%</b>	<b>-2.56%</b>	<b>3.89%</b>	<b>-3.06%</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	106,608.00	8,884.00	9459.04	62,188.00	64765
2.2	Energy Sales (Metered) at distribution voltages	MU	83234	6936	6901.06	48,553.17	50689.63
2.3	Estimated Consumption for Unmetered Categories	MU	8982	749	716.96	5,239.50	5238.04
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU	14392	1199	1841.01	8,395.33	8,837.30
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%	<b>13.50%</b>	<b>13.50%</b>	<b>19.46%</b>	<b>13.50%</b>	<b>13.65%</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	110,458.00	9,204.83	9222.95	64,433.83	62801
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU	92216.00	7,684.67	7618.03	53,792.67	55928
3.3	T&D Loss (3.1 - 3.2)	MU	18242.00	1,520.17	1604.92	10,641.17	6873.63
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%	<b>16.51%</b>	<b>16.51%</b>	<b>17.40%</b>	<b>16.51%</b>	<b>10.95%</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>13.74079688</b>		

**Note: Excess T&D loss computed on cumulative distribution loss only.**

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

Title Form 5: Power Purchase Cost										
Sr. No.	Power Purchase Source2	ORDER FY 15-16			Order for Month & Year			Oct-16		
		Net Purchase3	Var. Cost5	Var. Cost Amt4	Net Purchase3	Var. Cost5	Var. Cost Amt4	Net Purchase	Tariff 6	PP Amt7
		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) = (I)*(J)
	<b>MSPGCL</b>									
	Koradi 10	1,481.00	1.25	18,512.50	123.42	1.25	1,542.71	-	-	-
	Koradi 9	1,781.00	1.25	22,262.50	148.42	1.25	1,855.21	-	-	-
	Koradi 8	2,962.00	1.25	37,025.00	246.83	1.25	3,085.42	296.67	2.27	6,731.51
	Chandrapur 8	2,170.00	1.26	27,342.00	180.83	1.26	2,278.50	280.60	2.28	6,389.17
	Chandrapur 9	1,562.00	1.26	19,681.20	130.17	1.26	1,640.10	-	-	-
	Paras 3 and 4	3,125.00	1.87	58,574.38	260.42	1.87	4,881.20	248.07	2.57	6,380.47
	khaperkheda	5,330.00	2.17	115,519.17	444.17	2.17	9,626.60	244.98	2.70	6,616.82
	parli 8	451.00	2.27	10,237.70	37.58	2.27	853.14	-	-	-
	khaperkheda 5	3,072.00	2.23	68,566.49	256.00	2.23	5,713.87	307.28	2.42	7,448.48
	Chandrapur	11,562.00	2.47	285,212.57	963.50	2.47	23,767.71	1,020.92	2.25	22,960.38
	<b>Total MSPGCL</b>	<b>33,496.00</b>	<b>1.98</b>	<b>662,933.50</b>	<b>2,791.33</b>	<b>1.98</b>	<b>55,244.46</b>	<b>2,398.52</b>	<b>2.36</b>	<b>56,526.84</b>
	<b>Central Gen Stns</b>	<b>29,696.00</b>	<b>1.46</b>	<b>432,869.00</b>	<b>2,474.67</b>	<b>1.46</b>	<b>36,072.42</b>	<b>2,411.47</b>	<b>1.75</b>	<b>42,160.39</b>
	Korba	4,661.00	1.13	52,669.30	388.42	1.13	4,389.11	412.43	1.38	5,673.69
	Korba III	936.00	1.12	10,483.20	78.00	1.12	873.60	87.96	1.36	1,194.50
	Vindhyanchal - I	3,268.00	1.62	52,941.60	272.33	1.62	4,411.80	215.32	1.95	4,206.76
	Vindhyanchal - II	2,548.00	1.54	39,239.20	212.33	1.54	3,269.93	185.39	1.87	3,469.27
	Vindhyanchal-III	2,123.00	1.50	31,845.00	176.92	1.50	2,653.75	117.89	1.87	2,208.41
	Vindhyanchal-IV	2,292.00	1.53	35,067.60	191.00	1.53	2,922.30	169.89	1.89	3,203.71
	Vindhyanchal-V	557.00	1.53	8,522.10	46.42	1.53	710.18	108.12	1.72	1,855.40
	Farrakka	-	2.86	-	-	2.86	-	-	-	-
	Talcher	-	2.67	-	-	2.67	-	-	-	-
	Kahalgaon	-	-	-	-	-	-	-	-	-
	Kahalgaon II unit	-	2.69	-	-	-	-	50.04	2.46	1,233.17
	Sipat - Unit 1	4,363.00	1.58	-	363.58	2.69	-	321.92	1.25	4,016.85
	Sipat Unit 2	2,068.00	1.60	33,088.00	172.33	1.60	2,757.33	203.95	1.31	2,679.86
	Kakrapar	1,050.00	2.46	25,830.00	87.50	2.46	2,152.50	-	-	-
	Tarapur 1 & 2	1,200.00	1.04	12,480.00	100.00	1.04	1,040.00	97.50	1.08	1,048.55
	Tarapur 3 & 4	3,300.00	3.07	101,310.00	275.00	3.07	8,442.50	263.73	2.93	7,735.08
	RGPP	-	-	-	-	-	-	-	-	-
	Sardar Sarovar	1,200.00	2.21	26,520.00	100.00	2.21	2,210.00	152.35	2.05	3,123.19
	Pench	130.00	2.21	2,873.00	10.83	2.21	239.42	24.97	2.05	511.95
	<b>HYDRO PLANT</b>	<b>120.00</b>	<b>2.12</b>	<b>2,543.20</b>	<b>10.00</b>	<b>2.12</b>	<b>211.93</b>	<b>1.46</b>	<b>9.44</b>	<b>137.87</b>
	Dodson - I	56.00	2.45	1,372.00	4.67	2.45	114.33	1.46	1.69	24.62
	Dodson - II	64.00	1.83	1,171.20	5.33	1.83	97.60	-	-	113.25
	<b>Renewables</b>	<b>13,195.00</b>	<b>5.32</b>	<b>701,388.50</b>	<b>1,099.58</b>	<b>5.32</b>	<b>58,449.04</b>	<b>385.96</b>	<b>6.07</b>	<b>23,440.02</b>
	CPP	1,977.00	2.51	49,622.70	164.75	2.51	4,135.23	12.07	2.73	329.37
	Wind Purchase & Bio mass Baggase	11,218.00	5.81	651,765.80	934.83	5.81	54,313.82	317.42	5.76	18,288.97
	Solar	-	-	-	-	-	-	34.36	11.66	4,007.20
	MSW	-	-	-	-	-	-	-	#DIV/0!	-
	Other Hydro	-	-	-	-	-	-	22.10	3.69	814.48
	<b>Other Purchases</b>	<b>30,491.00</b>	<b>1.90</b>	<b>580,035.40</b>	<b>2,540.92</b>	<b>1.90</b>	<b>48,336.28</b>	<b>2,646.88</b>	<b>2.03</b>	<b>53,664.65</b>
	IPP JSW	1,913.00	2.05	39,216.50	159.42	2.05	3,268.04	212.03	1.69	3,586.88
	Mundra UMPP	5,158.00	1.55	79,949.00	429.83	1.55	6,662.42	470.03	1.27	5,990.81
	CGPL	-	-	-	-	-	-	-	-	-
	Adani Power 1320	8,511.00	1.55	131,920.50	709.25	1.55	10,993.38	919.15	1.84	18,711.29
	Adani Power 1200	8,220.00	2.16	177,552.00	685.00	2.16	14,796.00	854.46	2.47	21,105.86
	Emco Energy	1,370.00	1.50	20,550.00	114.17	1.50	1,712.50	138.35	2.01	2,781.02
	INDIABULL/RattanIndia	5,319.00	2.46	130,847.40	443.25	2.46	10,903.95	52.85	2.82	1,488.79
	<b>NON MOD Sources</b>		<b>4.00</b>			<b>4.00</b>	<b>0.51</b>	<b>1,078.06</b>	<b>2.52</b>	<b>27,154.36</b>
	IEX power	-	-	-	-	-	-	-	-	-
	PXIL	-	-	-	-	-	-	-	-	-
	bhusawal	-	-	-	-	-	-	(2.19)	3.28	-
	koradi	-	-	-	-	-	-	27.06	2.68	723.99
	nashik	-	-	-	-	-	-	234.35	4.20	9,831.03
	Parli	-	-	-	-	-	-	(0.99)	0.12	(1.17)
	uran	-	-	-	-	-	-	306.88	1.66	5,106.48
	parli 6 7	-	-	-	-	-	-	56.25	2.34	1,314.04
	Bhusawal unit 4&5	-	-	-	-	-	-	186.00	2.22	4,131.15
	Kawas - APM	-	-	-	-	-	-	49.61	1.98	983.31
	Gandhar - APM	-	-	-	-	-	-	54.15	1.84	995.53
	Mouda	-	-	-	-	-	-	77.92	2.40	1,871.48
	Adani Power 125	-	-	-	-	-	-	89.01	2.47	2,198.53
	Inter state (grid) Losses	-	-	-	-	-	-	(96.00)	-	-
	Unscheduled Interchange (UI)	-	-	-	-	-	-	-	-	-
	<b>Total Power Purchase</b>	<b>106,998.00</b>	<b>2.22</b>	<b>2,379,769.60</b>	<b>8,916.50</b>	<b>2.22</b>	<b>198,314.64</b>	<b>8,826.34</b>	<b>2.30</b>	<b>203,084.13</b>

Table 6.1  
Title Composite variable cost of generation and power purchase

Sr. No.	Parameter	ORDER FY 15-16			Order for Month & Year			Oct-16			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>
(A)	(B)	MU (C)	Rs/ kWh (D)	Rs Lakh (E)	MU (F)	Rs/ kWh (G)	Rs Lakh (H)	MU (I)	Rs/ kWh (J)	Rs Lakh (K)	MU (L)	Rs/ kWh (M)	Rs Lakh (N)	MU (O)	Rs/ kWh (P)	Rs Lakh (Q)
3.0	Net Power Purchase (Table No. 4.1)	106,998.00	2.22	2,379,769.60	8,916.50	2.22	198,314.64	8,826.34	2.3009	203,084.13	8,826.34	2.3009	203,084.13	60,162.16	2.44	1,470,360.14
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)	106,998.00	2.22	2,379,769.60	8,916.50	2.224131	198,314.64	8,826.34	2.30	203,084.13	8,826.34	2.30089	203,084.13	60,162.16	2.44	1,470,360.14

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

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	2.22
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	2.30
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.08
4.0	Generation <sup>1</sup> + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	8,826.34
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	6,774.71

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

**FORM 8**

Title **Apportionment of change in variable cost of generation and power purchase (C) to License Area**

Sr. No.	Parameter	Unit	Sale within License Area	Sale outside License Area	Total
(A)	(B)	(C)	(D)	(E)	(F) = (D) + (E)
1	Energy Sales (Table 1.1, Sr. No. 5.0)	MU			-
2	<b>Apportionment of Generation and Power purchase</b>		NOT APPLICABLE		
2.1	Apportionment of hydel generation <sup>1</sup>	MU			-
2.2	Apportionment of net thermal generation and power purchase <sup>2&amp;3</sup> (Table 3.3, Sr. No. 5.0)	MU			-
2.3	Apportionment of generation and power purchase (2.2 + 2.3)	MU			-
3	<b>Apportionment of change in variable cost of generation and power purchase (Table 6.2, Sr. No. 5.0) in proportion of 2.2 above</b>	Rs Crore			-

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

**FORM 8**

Title **Apportionment of change in variable cost of generation and power purchase (C) to License Area**

Sr. No.	Parameter	Unit	Sale within License Area	Sale outside License Area	Total
(A)	(B)	(C)	(D)	(E)	(F) = (D) + (E)
<b>1</b>	<b>Energy Sales (Table 1.1, Sr. No. 5.0)</b>	<b>MU</b>			-
<b>2</b>	<b>Apportionment of Generation and Power purchase</b>		<b>NOT APPLICABLE</b>		
2.1	Apportionment of hydel generation <sup>1</sup>	MU			-
2.2	Apportionment of net thermal generation and power purchase <sup>2&amp;3</sup> (Table 3.3, Sr. No. 5.0)	MU			-
2.3	Apportionment of generation and power purchase (2.2 + 2.3)	MU			-
<b>3</b>	<b>Apportionment of change in variable cost of generation and power purchase (Table 6.2, Sr. No. 5.0) in proportion of 2.2 above</b>	<b>Rs Crore</b>			-

Notes:

- 1 Please consider entire hydel generation allocated to Energy Sales within License Area
- 2 Apportionment of generation and power purchase to Energy Sales within License Area = Energy Sales within License Area / (1 + Actual T&D Loss) - allocated hydel generation
- 3 Apportionment of generation and power purchase to Energy Sales outside License Area = Energy Sales Outside License Area / (1 + Actual T&D Loss)
- 4 In (2) and (3) above, HT/EHT loss data would be used instead of overall T&D loss, as and when data becomes available

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

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

<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>July 16</b>	Rs Lakh	12,743.83
1.2	Incremental cost actually recovered in month Oct 16	Rs Lakh	11,245.67
1.3	under recovery /over recovery	Rs Lakh	1,498.15
	<b>Adjustment factor for over-recovery/under-recovery</b>	Rs Lakh	<b>1,498.15</b>

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

**Title Form 10: Carrying cost for over-recovery/under-recovery**

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Adjustment factor for over-recovery/under-recovery (Sr. No. 3 of Form 9)	Rs Lakh	1,498.15
2.0	Interest rate	%	14.45%
3.0	Carrying cost for over-recovery/under-recovery	Rs Lakh	36.08

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**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.**  
**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 Fuel cost and power purchase cost attributable to Sales within the License Area (F)	Rs Lakh	6,774.71
2.0	Carrying cost for over-recovery/under-recovery (C)	Rs Lakh	36.08
3.0	Adjustment factor for over-recovery/under-recovery (B)	Rs Lakh	1,498.15
4.0	$Z_{FAC} = F+C+B$	Rs Lakh	8,308.94
5.0	Any unpredictable and uncontrollable expenses incurred (Z) <sup>1</sup>	Rs Lakh	0
6.0	FOCA (A) = C + I + B + Z	Rs Lakh	8,308.94

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**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.**  
**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 the License Area	MU	6,825.63
2.0	Estimated Consumption within License Area (Table 1.2)	MU	716.96
3.0	Excess Distribution Loss	MU	13.74
4.0	Z <sub>FAC</sub>	Rs Lakh	8,308.94
5.0	Z <sub>FAC</sub> per kWh	Paise/kWh	11.00
6.0	Cap on monthly FAC/FOCA Charge	Rs/kWh	N.A.
6.1	Cap at 20% 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> )	Rs/kWh	0.109960

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

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

**Form 13: Calculation of FAC Charge for unmetered categories**

Title Calculation of FAC Charge ( $FAC_{kWh}$ ) for Unmetered categories

Sr. No.	Unmetered Consumer Category	Consumption Norm hrs/HP/year	FAC Charge <sup>1</sup> Rs/HP/ month	Load HP	Estimated Recovery Rs Lakh
(A)	(B)	(C)	(D) = $(C)/12*0.746*FA$ $C_{kWh}^2$	(E)	(F)
	LT-AG ( > 1318 Hours per year)	1,734.33	<b>4.51</b>		-
	LT-AG ( < 1318 Hours per year)	980.00	<b>3.12</b>		-
	<b>Total</b>				

Notes:

1 Round off FOCA Charge to 1 decimal

2 Consider  $FOCA_{kWh}$  as per Table 7.1, Sr. No. 7.0

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

<b>Form 14: Recovery of FAC Charge</b>			
<b>Title</b>	<b>Recovery of FAC/FOCA Charge</b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(A)	(B)	(C)	(D)
1.0	Allowable FAC	Rs Lakh	8308.94
2.0	FAC disallowed corresponding to excess Distribution Loss	Rs Lakh	0.00
3.0	Total FAC based on category wise and slab wise allowed to be recovered in the billing month of ____	Rs Lakh	0.00
	Carried forward FAC for recovery during future period (1-3-4)	Rs Lakh	0.00

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

Form 15: Summary

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 Z<sub>FAC</sub></b>		
1.1	Change in cost of generation and power purchase attributable to Sales within the License Area (F)	Rs Lakh	6,774.71
1.2	Carrying cost for over-recovery/under-recovery (C)	Rs Lakh	36.08
1.3	Adjustment factor for over-recovery/under-recovery (B)		1,498.15
<b>1.4</b>	<b>Z<sub>FAC</sub> = F+C+B</b>	Rs Lakh	<b>8,308.94</b>
<b>2.0</b>	<b>Calculation of FAC Charge</b>		
2.1	Energy Sales within the License Area	MU	7,542.59
2.2	Excess Distribution Loss	MU	13.74
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	11.00
2.4	Z <sub>FAC</sub> per kWh	Paise/kWh	11.00
<b>2.5</b>	<b>FAC Charge (FAC<sub>kWh</sub>) considering cap on monthly FAC Charge</b>	Rs/kWh	0.1100
<b>3.0</b>	<b>FAC (A)</b>		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	8,293.83
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	15.11
3.3	FAC (A) charged as per 8.3 categorywise and slabwise 1	Rs Lakh	8,293.83
3.4	C/f from Previous month 2.	Rs Lakh	-
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	-
<b>3.6</b>	<b>Total FAC to be charged in current month 4=(1+2+3)</b>	<b>Rs Lakh</b>	<b>-</b>
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	8,293.83
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

Sr. No.	Categories	ABR	energy charges	Average Cost of Supply	K -Factor-eng ch/ACoS	Actual FAC (Paise/Kwh)	Categories with se FAC WITHOUT CAP (paise/Kwh)	Categories with se FAC WITH CAP (paise/Kwh)	Monthly Sale in Mus/HP	RATE PER HP	FAC AMT WITHOUT CAP	Adjustment of Under Recovery	FAC Without CAP After Adjustment of Under Recovery	FAC TO BE CHARGED IN BILLING MONTH
A	LT Category		PAISA KWH	PAISA KWH							IN LAKHS			PAISA/KWH
1	Domestic (LT-I)					a	b		d		e=b*d			k
A	BPL (0-30 Units)	1.48	1.03	6.50	0.23	11.00	2.50	20.60	6.59		1.65	0.11	1.76	2.67
B	Consumption > 30 Units per month													
i	1-100 Units	4.78	2.98	6.50	0.74	11.00	8.09	59.60	1037.60		839.03	54.98	894.01	8.62
ii	101-300 Units	8.45	6.73	6.50	1.30	11.00	14.29	134.60	378.35		540.85	35.44	576.28	15.23
iii	301-500 Units	11.43	9.69	6.50	1.76	11.00	19.34	193.80	56.45		109.14	7.15	116.30	20.60
iv	500-1000 Units	12.99	11.17	6.50	2.00	11.00	21.98	223.40	38.66		84.96	5.57	90.53	23.41
v	Above 1000 Units	14.24	12.45	6.50	2.19	11.00	24.09	249.00	42.68		102.81	6.74	109.54	25.67
	Sub Total Domestic													
2	Non Domestic (LT-2)													
A	0-20 KW													
a	0-200 Units	8.63	6.09	6.50	1.33	11.00	14.60	121.80	138.89		202.77	13.29	216.06	15.56
b	Above 200 units	11.89	9.32	6.50	1.83	11.00	20.11	186.40	127.95		257.36	16.86	274.23	21.43
B	>20-50 KW	13.18	9.99	6.50	2.03	11.00	22.30	199.80	53.43		119.14	7.81	126.95	23.76
	>50 KW	16.12	12.97	6.50	2.48	11.00	27.27	259.40	33.17		90.45	5.93	96.38	29.06
C	Sub Total Non Dmestic (LT-2)													
3	Public Water Works (LT-III)													
A	0-20 KW	3.49	1.92	6.50	0.54	11.00	5.90	38.40	47.05		27.78	1.82	29.60	6.29
B	20-40 KW	4.75	3.14	6.50	0.73	11.00	8.04	62.80	5.82		4.67	0.31	4.98	8.56
C	Above 40 kw	6.25	4.44	6.50	0.96	11.00	10.57	88.80	4.10		4.33	0.28	4.62	11.27
	Sub Total PWW													
4	Agriculture (LT-IV)													
A	Unmetered Tariff													
I	AG unmetered Pump set													
	Zone 1													
A	0-5 HP	4.05		6.50	0.62	11.00	6.85	0.00	4204316.05	4.17	175.49	11.50	186.99	4.17
B	HP -7.5 HP	4.38		6.50	0.67	11.00	7.41	0.00		4.51	0.00	0.00	0.00	4.51
C	Above 7.5 HP	4.74		6.50	0.73	11.00	8.02	0.00		4.89	0.00	0.00	0.00	4.89
	Zone 2													
A	0-5 HP	3.03		6.50	0.47	11.00	5.13	0.00	4189983.51	3.12	130.85	8.57	139.42	3.12
B	HP -7.5 HP	3.31		6.50	0.51	11.00	5.60	0.00		3.41	0.00	0.00	0.00	3.41
C	Above 7.5 HP	3.52		6.50	0.54	11.00	5.95	0.00		3.63	0.00	0.00	0.00	3.63
B	Metered Tariff PUMP SETS	3.17	1.76	6.50	0.49	11.00	5.36	35.20	957.68		513.57	33.65	547.22	5.71
	Metered Tariff OTHER	4.79	2.96	6.50	0.74	11.00	8.10	59.20	8.46		6.86	0.45	7.30	8.63
	Sub Total Agriculture													
5	LT Industries (LT-V)													
A	Power Loom													
	0-20 KW	5.62	4.32	6.50	0.86	11.00	9.51	86.40	135.11		128.45	8.42	136.87	10.13
	Above 20 KW	7.33	5.67	6.50	1.13	11.00	12.40	113.40	135.02		167.43	10.97	178.40	13.21
	General													
A	0-20 KW	6.33	4.80	6.50	0.97	11.00	10.71	96.00	180.25		193.02	12.65	205.67	11.41
B	Above 20 KW	9.17	6.50	6.50	1.41	11.00	15.51	130.00	238.11		369.37	24.20	393.57	16.53
6	Street Light (LT-VI)													
A	Grampanchayat A, B & C Class Municipal Council	5.43	4.15	6.50	0.84	11.00	9.19	83.00	107.19		98.46	6.45	104.91	9.79
B	Municipal corporation Area	6.7	5.25	6.50	1.03	11.00	11.33	105.00	40.77		46.21	3.03	49.24	12.08
	Sub Total Street Light													
7	Temporary Connection (LT-VII)													
A	Temporary Connection (Religious)	4.89	3.00	6.50	0.75	11.00	8.27	60.00	0.812111		0.67	0.04	0.72	8.81
B	Temporary Connection (Other Purposes)	14.26	12.52	6.50	2.19	11.00	24.12	250.40	1.121469		2.71	0.18	2.88	25.70
	Sub Total Temporary													
8	Advertising and Hording (LT-VIII)	18.03	12.48	6.50	2.77	11.00	30.50	249.60	0.33		1.01	0.07	1.08	32.50
9	Crematorium & Burial (LT-IX)	4.51	2.97	6.50	0.69	11.00	7.63	59.40	0.15		0.12	0.01	0.12	8.13
10	Public Services (LT X)													
A	Government													
	I <20 kw													
	0-200 units	8.41	3.14	6.50	1.29	11.00	14.23	62.80	0.87		1.23	0.08	1.31	15.16
	> 200 units	7.45	4.36	6.50	1.15	11.00	12.60	87.20	1.64		2.07	0.14	2.21	13.43
	II >20 -50 kw	10.61	5.27	6.50	1.63	11.00	17.95	105.40	0.62		1.12	0.07	1.19	19.12
	III >50 kw	10.54	5.91	6.50	1.62	11.00	17.83	118.20	0.61		1.10	0.07	1.17	19.00
	B others													
	0-20 KW													
	0-200 Units	6.7	4.30	6.50	1.03	11.00	11.33	86.00	5.67		6.43	0.42	6.85	12.08
	Above 200 units	8.84	6.79	6.50	1.36	11.00	14.95	135.80	11.76		17.59	1.15	18.74	15.93
	>20-50 KW	10.16	6.91	6.50	1.56	11.00	17.19	138.20	5.13		8.82	0.58	9.40	18.31
	>50 KW	10.51	7.29	6.50	1.62	11.00	17.78	145.80	5.20		9.24	0.61	9.85	18.94
	Total LT Category								8398106.81		4266.77	279.57	4546.34	

