

Title Form 1: Energy Sales - Metered							
Sr. No.	Consumer Category	Unit	ORDER FY 15-16	Jan-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						
	<u>LT - Categories</u>						
	<u>LT I - Domestic</u>						
	BPL Consumers	MU	113.00	9.42	6.02	111.50	64.94
	Other Domestic	MU	18,019.00	1,501.58	1,248.54	14,501.33	16,152.73
	LT II - Commercial	MU	4,011.00	334.25	318.22	3,333.67	3,684.17
	LT III - Pub Water Works	MU	661.00	55.08	60.79	530.50	559.43
	LT IV - Agriculture	MU	13,461.00	1,121.75	1,469.37	10,750.67	12,068.25
	LT V - Industrial & Power Loom	MU	6,286.00	523.83	731.20	5,081.83	6,782.18
	Bhivandi Franchisee	MU	-	-	-	-	-
	LT VI - Streetlight	MU	-	-	-	-	-
	Grampanchayat & Municipal Council	MU	1,222.00	101.83	154.50	953.17	1,347.52
	Municipal Corporation Areas	MU	411.00	34.25	-	274.00	-
	LT VII - Temporary	MU	-	-	-	-	-
	Temporary Connections (Religious)	MU	2.00	0.17	1.52	12.67	15.96
	Temporary Connections (Other Purpose)	MU	16.00	1.33	-	10.67	-
	LT VIII - Advt & Hoardings	MU	3.00	0.25	0.312052	2.67	2.77
	LTIX - Crematoriums	MU	2.00	0.17	0.18	1.67	1.23
	LTX - Public Services	MU	-	-	-	0.00	48.73
	A Government						
	I <20 kw						
	0-200 units	MU	5.00	0.42	0.12	3.33	0.68
	> 200 units	MU	7.00	0.58	0.18	4.67	1.35
	II >20 -50 kw	MU	3.00	0.25	0.40	2.00	2.12
	III >50 kw	MU	3.00	0.25	0.34	2.00	2.31
	B others					0.00	0.00
	I <20 kw					0.00	0.00
	0-200 units	MU	41.00	3.42	5.21	27.33	43.33
	> 200 units	MU	64.00	5.33	8.88	42.67	83.98
	II >20 -50 kw	MU	27.00	2.25	3.91	18.00	35.89
	III >50 kw	MU	29.00	2.42	3.86	19.33	35.99
	Prepaid	MU	14.00	1.17	0.91	9.33	8.71
	LT Total A		44,400.00	3,700.00	4,014.47	35,693.00	40,942.27
	<u>HT - Categories</u>						
	<u>HT I - Industries</u>						
	Continuous	MU	13,167.00	1,097.25	711.37	22,179.07	19,298.37
	Non-Continuous		13,030.00	1,085.83	1,125.75		
	Seasonal Industry	MU	166.00	13.83	11.98	135.37	62.96
	HT II - Commercial	MU	2,206.00	183.83	156.08	1,827.37	1,827.52
	HT III - Railways	MU	1,505.00	125.42	5.99	1,246.70	981.70
	HT IV - Water Works	MU	-	-	-	-	-
	Express Feeders	MU	1,154.00	96.17	120.10	930.87	1,295.63
	Non-Express Feeders		239.00	19.92	19.34	195.87	191.90
	HT V - Agriculture (Includes Poultry)	MU	871.00	72.58	65.92	699.77	794.33
	HT VI - Bulk Supply	MU	-	-	-	-	-
	Residential (Group Housing)	MU	217.00	18.08	17.47	199.37	196.43
	HT VIII-B Temporary supply others	MU	4.00	0.33	0.49	2.67	3.62
	HT IX Pub Service	MU	-	-	-	-	158.64
	A Government						
	Express Feeders	MU	23.00	1.92	8.01	15.33	78.38
	Non-Express Feeders	MU	21.00	1.75	4.92	14.00	42.23
	B Others						
	Express Feeders	MU	437.00	36.42	26.92	291.33	233.75
	Non-Express Feeders	MU	402.00	33.50	26.24	268.00	237.86
	HT X Port	MU	86.00	7.17	5.79	57.33	53.44
	HT X Metro/ Mono	MU	-	-	2.41	-	-
	MSPGCL Aux supply	MU	56.00	4.67	-	37.33	63.48
	Other	MU	-	-	582.16	-	5,049.43
	HT Total B	MU	33,584.00	2,798.67	2,890.96	28,100.37	30,572.06
	Total Sale (LT+HT)	MU	77,984.00	6,498.67	6,905.43	63,793.37	71,514.33

5.30

Note: 1. PD Consumers are not considered.

Table 1.2
 Title Energy Sales -
 UnMetered

Form 2: Energy Sales - Unmetered

Sr. No.	Consumer Category ¹	ORDER FY 15-16			Jan-16				Cumulative upto Month & Year	
		Load	Norm ²	EC _{UM} ³	Order	Load	EC _{UM} ³	Reasons for material variation	Order	EC _{UM} ³
		HP	hrs/ HP/ Year *	MU	MU	HP	MU		MU	MU
1.0	Unmetered Hrs>1318		1,734.33	5130	428		617.62		4162	5703
	Bhandup (U)		1,474.00				0.00000		0	0
	Nasik		1,521.00				219.42		503	1933
	Pune		2,208.00				22.74		240	239
	Jalgaon						170.71		0	1504
	Baramati						204.74		0	2027
1.1	Unmetered Hrs<1318		980.00	3852	321		524.22		3606	3926
	Amravati		922.00	484			111.69		96	767
	Aurangabad		1,224.00	1130			130.96		224	867
	Kalyan		1,300.00	30			0.02		6	0
	Konkan		533.00	0			0.00		0	0
	Kolhapur		1,198.00	1814			24.98		359	204
	Latur		1,241.00	1567			149.54		311	1318
	Nagpur (U)		644.00	68			3.08		13	24
	Nagpur		778.00	141			0.000		28	0
	Nanded						103.95		0	745
1.2	LT-Unmetered PWW			0					0	0
	Total	0	2,714.33	8982	748.50		1141.85		7768	9629

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

Form 3: Energy Availability								
Sr. No.	Source of Generation/Power Purchase	Unit	ORDER FY 15-16	Jan-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			370.25	339.97
	Koradi 9	MU	1,781.00	148.42			445.25	-
	Koradi 8	MU	2,962.00	246.83	238.246		740.50	409.09
	Chandrapur 8	MU	2,170.00	180.83	-		542.50	-
	Chandrapur 9	MU	1,562.00	130.17	-		390.50	-
	Paras 3 and 4	MU	3,125.00	260.42	258.27388		781.25	2,642.27
	khaperkheda	MU	5,330.00	444.17	429.81971		1,332.50	3,590.84
	parli 8	MU	451.00	37.58				
	khaperkheda 5	MU	3,072.00	256.00	282.096908		768.00	2,610.23
	Chandrapur	MU	11,562.00	963.50	798.22605		2,890.50	9,467.63
3430.3	Hydel Stations	MU	4,612.00	384.33	210.15873		2,306.00	3,152.96
	Subtotal	MU	38,108.00	3,175.67	2,216.82		10,567.25	22,213.00
2.0	Net Power Purchase ²	MU						
	Central Gen Stns		29,696.00	2,474.67	2,094.20		7,424.00	24,213.64
	Korba	MU	4,661.00	388.42	396.20		1,165.25	4,018.72
	Korba III	MU	936.00	78.00	90.38		234.00	796.04
	Vindhyanchal - I	MU	3,268.00	272.33	144.45		817.00	2,322.01
	Vindhyanchal - II	MU	2,548.00	212.33	126.38		637.00	1,844.67
	Vindhyanchal-III	MU	2,123.00	176.92	155.18		530.75	1,743.79
	Vindhyanchal-IV	MU	2,292.00	191.00	135.41		573.00	1,892.38
	Vindhyanchal-V	MU	557.00	46.42	32.10		139.25	214.41
	Kawas - APM	MU	-	-	-		-	275.89
	Gandhar - APM	MU	-	-	-		-	221.07
	Farrakka	MU	-	-	-		-	-
	Talcher	MU	-	-	-		-	-
	Kahalgaon	MU	-	-	-		-	-
	Kahalgaon II unit	MU	-	-	28.22		-	655.89
	Sipat - Unit 1	MU	4,363.00	363.58	397.14		1,090.75	3,431.06
	Sipat Unit 2	MU	2,068.00	172.33	174.70		517.00	1,786.22
	Mouda	MU	-	-	-		-	527.20
	Kakrapar	MU	1,050.00	87.50	51.29		262.50	547.00
	Tarapur 1 & 2	MU	1,200.00	100.00	55.06		300.00	485.87
	Tarapur 3 & 4	MU	3,300.00	275.00	276.20		825.00	2,809.74
	RGPP -	MU	-	-	-		-	-
	Sardar Sarovar	MU	1,200.00	100.00	17.02		300.00	540.10
	Pench	MU	130.00	10.83	14.47		32.50	101.57

Form 3: Energy Availability								
Sr. No.	Source of Generation/Power Purchase	Unit	ORDER FY 15-16	Jan-16			Cumulative upto Month & Year	
			Order	Order	Actual	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	HYDRO PLANT		120.00	10.00	-	-	30.00	87.28
	Dodson - I	MU	56.00	4.67			14.00	46.06
	Dodson - II	MU	64.00	5.33			16.00	41.22
	Renewables	MU	13,195.00	1,099.58	824.30	-	3,298.75	7,798.00
	CPP	MU	1,977.00	164.75	68.53		494.25	684.07
	Wind Purchase & Bio.mass Bagnase	MU			696.392		2,804.50	6,685.35
	Solar	MU	11,218.00	934.83	39.789		-	305.92
	MSW	MU			0.006		-	0.26
	Other Hydro	MU			19.58		-	122.41
	Other Purchases	MU	30,491.00	2,540.92	2,654.54	40,381.81	3,895.50	12,970.90
	IPP JSW	MU	1,913.00	159.42	166.48	1,790	478.25	1,433.39
	Mundra UMPP CGPI	MU	5,158.00	429.83	342.92	27.024	1,289.50	3,865.65
	Adani Power 1320	MU	8,511.00	709.25	731.42	11,568	2,127.75	7,671.85
	Adani Power 1200	MU	8,220.00	685.00	600.08			7,179.32
	Adani Power 125	MU	-	-	62.51			747.85
	Emco Energy	MU	1,370.00	114.17	89.53			1,254.67
	INDIABULL/RattanIndia	MU	5,319.00	443.25	661.61		1,329.75	4,591.23
	Traders	MU			1,536.69		-	-
	IEX power	MU			-		-	15,247.86
	PTC	MU			-		-	727.59
	Adani infirm	MU			-		-	-
	AEL	MU			-		-	-
	Indrajeet power	MU			-		-	-
	IDEAL Energy	MU			-		-	-
	Sai Wardha Power	MU			-		-	289.90
	M/S KNOWLEDGE INFRA	MU			-		-	-
	MSPGCL Infirm	MU			-		-	365.68
	PXIL	MU			-		-	254.93
	bhusawal				229.28		-	1,153.04
	koradi				149.01131		-	1,508.32
	nashik				305.88		-	3,273.09
	Parli				-1.049238		-	379.67
	uran				296.69		-	2,194.32
	parli 6 7				(1.00)		-	768.03
	Bhusawal unit 4&5				557.881		-	5,179.83
	Koradi U-8							
	Inter state (grid) Losses	MU	(1,152.00)	(96.00)	(96.00)		(288.00)	(986.17)
	Unscheduled Interchange (UI)	MU	-	-	-		-	-
	Subtotal	MU	110,458.00	9,204.83	9,230.56	8,502.26 (19.75)	24,927.50	81,544.51
3.0	Energy Available	MU						
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU	110,458.00	9,204.83	9,326.56	Inter state (Grid)losses 96.00	24,927.50	96,810.31
3.3	Net Energy Available at transmission voltage	MU	110,458.00	9,204.83	9,354.77		27,614.50	97,104.52
3.4	Net Energy Available at distribution voltage	MU	106161	8,846.75	9,268.56		26,540.25	95,890.65
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. FAC For January 2016
Prakashgad, Bandra (E), Mumbai.

Title **Form 4: Losses**

Sr. No.	Parameter	Unit	ORDER FY 15-16	Jan-16		Cumulative upto Month & Year	
				Order	Actual	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(I)	(J)
1.0	Transmission and Stepdown Loss ¹						
1.1	Net Energy Input at transmission voltages (Net Generation + Net Purchase) *	MU	110,458.00	9,204.83	9355	91,728.17	97105
1.2	Energy Sales at transmission voltages	MU	-	-	0	-	0
1.3	Energy fed to Distribution System	MU	106161	8847	9269	88,096.51	95891
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU	4297	358	86	3631.66	1213.87
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%	3.89%	3.89%	0.92%	3.96%	1.25%
2.0	Distribution Loss ¹						
2.1	Net Energy Input (input from Transmission System + net energy input at distribution voltages)	MU	106,608.00	8,884.00	9268.56	88,479.01	95905
2.2	Energy Sales (Metered) at distribution voltages	MU	83234	6936	6905.43	68,371.11	72195.73
2.3	Estimated Consumption for Unmetered Categories	MU	8982	749	1141.85	7,768.06	10042.66
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU	14392	1199	1221.29	12,339.84	13,666.24
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%	13.50%	13.50%	13.18%	13.95%	14.25%
3.0	Transmission and Distribution (T&D) Loss						
3.1	Net Energy Input (i.e. Net Generation + Net Power Purchase)	MU	110,458.00	9,204.83	9354.77	91,728.17	97105
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU	92216.00	7,684.67	8047.27	76,139.17	82238
3.3	T&D Loss (3.1 - 3.2)	MU	18242.00	1,520.17	1307.50	15,589.00	14866.12
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%	16.51%	16.51%	13.98%	16.99%	15.31%
4.0	Excess T&D Loss = T&D Loss (3.3) - T&Dapp x Net Energy Input (3.1)	MU			69.50476274		

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

Title Form 5: Power Purchase Cost										
Sr. No.	Power Purchase Source ²	ORDER FY 15-16			Order for Month & Year			Jan-16		
		Net Purchase ³	Var. Cost ⁵	Var. Cost Amt ⁴	Net Purchase ³	Var. Cost ⁵	Var. Cost Amt ⁴	Net Purchase ³	Tariff ⁶	PP Amt ⁷
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K) = (I)*(J)
		MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
	MSPGCL									
	Koradi 10	1481	1.25	18,512.50	123.42	1.25	1542.71	-		
	Koradi 9	1781	1.25	22,262.50	148.42	1.25	1855.21	-		0.00
	Koradi 8	2962	1.25	37,025.00	246.83	1.25	3085.42	238.246	2.872712	6844.12
	Chandrapur 8	2170	1.26	27,342.00	180.83	1.26	2278.50	-		0.00
	Chandrapur 9	1562	1.26	19,681.20	130.17	1.26	1640.10	-		0.00
	Paras 3 and 4	3125	1.87	58,574.38	260.42	1.87	4881.20	258.274	2.291231	5917.65
	khaperkheda	5330	2.17	115,519.17	444.17	2.17	9626.60	429.820	2.829133	12160.17
	parli 8	451	2.27	10,237.70	37.58	2.27	853.14	-		0.00
	khaperkheda 5	3072	2.23	68,566.49	256.00	2.23	5713.87	282.097	2.892040	8158.36
	Chandrapur	11562	2.47	285,212.57	963.50	2.47	23767.71	798.226	2.422578	19337.65
	Total MSPGCL	33496.00	1.98	662933.50	2791.33	1.98	55244.46	2006.66	2.612195	52417.95
	Central Gen Stns	29,696.00	1.46	432,869.00	2,474.67	1.46	36,072.42	2,065.98	1.48	30,487.04
	Korba	4,661.00	1.13	52,669.30	388.42	1.13	4,389.11	396.198	1.0523	4169.12
	Korba III	936.00	1.12	10,483.20	78.00	1.12	873.60	90.375	1.0406	940.46
	Vindhyanchal - I	3,268.00	1.62	52,941.60	272.33	1.62	4,411.80	144.450	1.6097	2325.24
	Vindhyanchal -	2,548.00	1.54	39,239.20	212.33	1.54	3,269.93	126.380	1.5759	1991.58
	Vindhyanchal-III	2,123.00	1.50	31,845.00	176.92	1.50	2,653.75	155.175	1.5783	2449.12
	Vindhyanchal-IV	2,292.00	1.53	35,067.60	191.00	1.53	2,922.30	135.412	1.5995	2165.94
	Vindhyanchal-V	557.00	1.53	8,522.10	46.42	1.53	710.18	32.097	1.4367	461.12
	Farrakka	-	-	-	0.00	-	-	-	-	0.00
	Talcher	-	-	-	0.00	-	-	-	-	0.00
	Kahalgaoon	-	-	-	0.00	-	-	-	-	0.00
	Sipat - Unit 1	4,363.00	1.58	-	363.58	-	-	397.138	0.9896	3930.17
	Sipat Unit 2	2,068.00	1.60	33,088.00	172.33	1.60	2,757.33	174.700	1.0177	1777.91
	Kakrapar	1,050.00	2.46	25,830.00	87.50	2.46	2,152.50	51.294	2.3538	1207.36
	Tarapur 1 & 2	1,200.00	1.04	12,480.00	100.00	1.04	1,040.00	55.063	0.9689	533.52
	Tarapur 3 & 4	3,300.00	3.07	101,310.00	275.00	3.07	8,442.50	276.204	2.8565	7889.90
	RGPL	-	-	-	0.00	-	-	-	-	0.00
	Sardar Sarovar	1,200.00	2.21	26,520.00	100.00	2.21	2,210.00	17.019	2.0500	348.88
	Pench	130.00	2.21	2,873.00	10.83	2.21	239.42	14.473	2.0500	296.70
	HYDRO PLANT	120.00	2.12	2,543.20	10.00	2.12	211.93	-	#DIV/0!	117.50
	Dodson - I	56.00	2.45	1,372.00	4.67	2.45	114.33	-	-	0.00
	Dodson - II	64.00	1.83	1,171.20	5.33	1.83	97.60	-	-	117.50
	Renewables	13,195.00	5.32	701,388.50	1,099.58	5.32	58,449.04	824.30	5.88	48,471.24
	CPP	1,977.00	2.51	49,622.70	164.75	2.51	4,135.23	68.53	2.01	1375.29
	Wind Purchase & Bio mass	11,218.00	5.81	651,765.80	934.83	5.81	54,313.82	696.39	6.05	42102.89
	Solar	-	-	-	0.00	-	-	39.79	10.97	4,364.82
	MSW	-	-	-	0.00	-	-	0.01	4.88	0.27
	Other Hydro	-	-	-	0.00	-	-	19.58	3.21	627.96
	Other Purchases	30,491.00	1.90	580,035.40	2,540.92	1.90	48,336.28	2,592.03	2.26	58,641.18
	IPP JSW	1,913.00	2.05	39,216.50	159.42	2.05	3,268.04	166.48	1.83	3042.50
	Mundra UMPP	5,158.00	1.55	79,949.00	429.83	1.55	6,662.42	342.92	1.40	4801.03
	Adani Power 1320	8,511.00	1.55	131,920.50	709.25	1.55	10,993.38	731.42	1.64	12020.01

Title Form 5: Power Purchase Cost										
Sr. No.	Power Purchase Source ²	ORDER FY 15-16			Order for Month & Year			Jan-16		
		Net Purchase ³	Var. Cost ⁵	Var. Cost Amt ⁴	Net Purchase ³	Var. Cost ⁵	Var. Cost Amt ⁴	Net Purchase ³	Tariff ⁶	PP Amt ⁷
(A)	(B)	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	(K) = (I)*(J)
	Adani Power 1200	8,220.00	2.16	177,552.00	685.00	2.16	14,796.00	600.08	2.61	15632.73
	Emco Energy	1,370.00	1.50	20,550.00	114.17	1.50	1,712.50	89.53	3.71	3324.80
	INDIABULL/RattanIndia	5,319.00	2.46	130,847.40	443.25	2.46	10,903.95	661.61	3.00	19820.11
	NON MOD Sources		4.00			4.00	-	1627	3.11	50661
	IEEX power							-		0.00
	PTC							-		0.00
	Adani infirm							-	-	0.00
	AEL							-		0.00
	Indrajeet power							-		0.00
	IDEAL Energy							-	-	0.00
	Sai Wardha Power							-		0.00
	M/S KNOWLEDGE							-		
	MSPGCL Infirm							-		
	PXIL							-		0.00
	bhusawal							229.28	3.28	7531.77
	koradi							149.01	3.86	5744.81
	nashik							305.88	3.84	11733.91
	Parli							(1.05)	0.00	0.00
	uran							296.69	2.54	7550.03
	parli 6 7							(1.00)	-	0.00
	Bhusawal unit 48.5							557.88	2.89	16113.42
	Koradi U-8							-		0.00
	Kawas - APM	-	2.86	-	0	2.86	-		#DIV/0!	0.60
	Gandhar - APM	-	2.67	-	0	2.67	-		#DIV/0!	0.83
	Kahalgao II unit	-	2.69	-	0	2.69	-	28.22	2.05	577.54
	Mouda	-	3.99	-	0	3.99	-	-		2.55
	Adani Power 125	-	3.02	-	0	3.02	-	62.51	2.522	1405.97
	Inter state (grid) Losses				0	-	-	(96.00)	-	
	Unscheduled Interchange (UI)				0	-	-	-	-	
	Total Power Purchase	106,998.00	2,2241	2,379,769.60	8,916.50	2,2241	198,314.13	9,020.40	2.63278	237,487.68

Table 6.1
Title Composite variable cost of generation and power purchase

Sr. No.	Parameter	ORDER FY 15-16			Order for Month & Year			Jan-16			Normative Actual ⁴ for Month		
		Energy	Var. Cost ²	Var. Cost Amt ³	Energy	Var. Cost ²	Var. Cost Amt ³	Energy	Var. Cost ²	Var. Cost Amt ³	Energy	Var. Cost ²	Var. Cost Amt ³
		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)
3.0	Net Power Purchase (Table No. 4.1)	106,998.00	2.22	2,379,769.60	8,916.50	2.22	198,314.13	9,020.40	2.6328	237,487.68	9,020.40	2.6328	237,487.68
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	2.224125	198,314.13	9,020.40	2.63	237,487.68	9,020.40	2.63278	237,487.68

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.

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	2.63
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.41
4.0	Generation ¹ + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	9,020.40
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	36,862.66

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	Apportionment of Generation and Power purchase		NOT APPLICABLE		
2.1	Apportionment of hydel generation ¹	MU			-
2.2	Apportionment of net thermal generation and power purchase ^{2&3} (Table 3.3, Sr. No. 5.0)	MU			-
2.3	Apportionment of generation and power purchase (2.2 + 2.3)	MU			-
3	Apportionment of change in variable cost of generation and power purchase (Table 6.2, Sr. No. 5.0) in proportion of 2.2 above	Rs Crore			-

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

Sr. No. (A)	Parameter (B)	Unit (C)	Value (D)
1.0	Adjustment for over-recovery/under-recovery ('B')		
1.1	Incremental cost allowed to be recovered in Month (Feb 15)	Rs Lakh	38,205.01
	Incremental cost in Month j-4 actually recovered in month j-2 (Nov 14)	Rs Lakh	29,062
1.3	under recovery /over recovery	Rs Lakh	9,142.68
2.0	C/F DUE TO LEFT OUT OF FAC for Dec 15	Rs Lakh	10,358.70
2.3		Rs Lakh	
2.3			
3.0	Adjustment factor for over-recovery/under-recovery	Rs Lakh	10,358.70
Over/under recovery is charged catagorywise and slabwise in 8.3 statement so it is not considered here in calculating FAC p/u			

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. For January 2016
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	9,142.68
2.0	Interest rate	%	14.45%
3.0	Carrying cost for over-recovery/under-recovery	Rs Lakh	220.19

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO LTD January 2016
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	36,862.66
2.0	Carrying cost for over-recovery/under-recovery (C)	Rs Lakh	220.19
3.0	Adjustment factor for over-recovery/under-recovery (B)	Rs Lakh	10,358.70
4.0	$Z_{FAC} = F+C+B$	Rs Lakh	47,441.54
5.0	Any unpredictable and uncontrollable expenses incurred (Z) ¹	Rs Lakh	0
6.0	FOCA (A) = C + I + B + Z	Rs Lakh	47,441.54

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. For January 2016
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	6,875.84
2.0	Estimated Consumption within License Area (Table 1.2)	MU	1,141.85
3.0	Excess Distribution Loss	MU	69.50
4.0	Z_{FAC}	Rs Lakh	47,441.54
5.0	Z_{FAC} per kWh	Paise/kWh	58.66
6.0	Cap on monthly FAC/FOCA Charge	Rs/kWh	N.A.
6.1	Cap at 20% of the variable component of tariff ²	Paise/kWh	N.A.
6.2	Cap at increase in CPI for a similar period	Paise/kWh	
6.3	Cap as lower of 6.1 and 6.2	Paise/kWh	-
7.0	FAC Charge (FAC _{kWh})	Rs/kWh	0.586626

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. For January 2016
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 ¹ 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	37.03		-
	LT-AG (< 1318 Hours per year)	980.00	20.92		-
	Total				

Notes:

1 Round off FOCA Charge to 1 decimal

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

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. January 2016
Prakashgad, Bandra (E), Mumbai.

Form 14: Recovery of FAC Charge			
Title	Recovery of FAC/FOCA Charge		
Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Allowable FAC	Rs Lakh	47441.54
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

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD. For January 2016
Prakashgad, Bandra (E), Mumbai.

Form 15: Summary

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

Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
1.0	Calculation of Z_{FAC}		
1.1	Change in cost of generation and power purchase attributable to Sales within the License Area (F)	Rs Lakh	36,862.66
1.2	Carrying cost for over-recovery/under-recovery (C)	Rs Lakh	220.19
1.3	Adjustment factor for over-recovery/under-recovery (B)		10,358.70
1.4	$Z_{FAC} = F+C+B$	Rs Lakh	47,441.54
2.0	Calculation of FAC Charge		
2.1	Energy Sales within the License Area	MU	8,017.69
2.2	Excess Distribution Loss	MU	69.50
2.3	FAC Charge (FAC_{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	58.66
2.4	Z_{FAC} per kWh	Paise/kWh	58.66
2.5	FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge	Rs/kWh	0.5866
3.0	FAC (A)		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	47,033.81
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	407.73
3.3	FAC (A) charged as per 8.3 categorywise and slabwise 1	Rs Lakh	36,663.78
3.4	C/f from Previous month 2.	Rs Lakh	-
3.5	Under/over recovery from 6.6 statement 3.	Rs Lakh	4,818.85
3.6	Total FAC to be charged in current month 4 = (1+2+3)	Rs Lakh	41,482.62
3.7	Actual FAC charged in current month categorywise and slabwise 5.	Rs Lakh	43,074.75
3.8	Carried forward FAC (A) for recovery during future period (4-5)	Rs Lakh	0.00

Note:

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

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO.LTD

Sr. No	Categories	energy charges	Average Cost of Supply	K - Factor/eng ch/ACOS	Actual FAC without CAP (Paise/Kwh)	Category wise FAC WITHOUT CAP (Paise/Kwh)	Category wise FAC WITH CAP (Paise/Kwh)	Montly Sale in Mus/HP	RATE PER HP	FAC AMT WITHOUT CAP	CF TO THE NEXT MONTH	FAC to be charged in the month of Jan 15 as per FAC of Oct 15	Actual FAC charged in bill for the month of Jan 16	Under / Over Recovery	Amount for the month	FAC for the month	FAC AMT WITH CAP	Lower FAC Amt	FAC TO BE CHARGED IN BILLING MONTH	CF TO THE NEXT MONTH
HT Category		RS/KWH								IN LAKHS							IN LAKHS		PAISA/KWH	
1 HT-I Industries																				
A	HT-I - Cont (Express Feeders)	8.23	7.21	6.03	1.36	58.66	80.07	144.20	711.37	5695.57	494.55	5557.36	4714.58668	842.78	7032.90	98.86	10257.90	7032.90	98.86	
B	HT-I - NonCont (Non Express Feeders)	7.69	6.71	6.03	1.28	58.66	74.81	134.20	1125.75	8421.94		4317.32	4393.64674	-76.33	8345.61	74.13	15107.57	8345.61	74.13	
C	HT-I - Seasonal Category	10.47	7.80	6.03	1.74	58.66	101.86	156.00	11.98	122.06		78.59	186.94082	-108.35	13.71	11.44	186.94	13.71	11.44	
2 HT-II Commercial																				
A	Express Feeder	12.95	11.15	6.03	2.15	58.66	125.98	223.00	52.84	665.70		400.49	542.04231	58.45	724.14	137.04	1178.34	724.14	137.04	
B	Non-Express Feeder	11.94	10.62	6.03	1.98	58.66	116.16	212.40	103.24	1199.24		785.62	662.73754	122.88	1322.12	128.06	2192.86	1322.12	128.06	
Total HT II Commercial																				
3 HT-III Railways																				
8.46 8.46 6.03 1.40 58.66 82.30 169.20 5.99 49.32 1113.85 604.98 29.030966 575.95 1739.12 2902.01 101.40 101.40 169.20 1637.72																				
4 HT-IV Public Water Works (PWW)																				
A	Express Feeders	6.19	5.64	6.03	1.03	58.66	60.22	112.80	120.10	723.26		571.26	590.60715	-19.35	703.91	58.61	1254.78	703.91	58.61	
B	Non-Express Feeders	6.56	5.42	6.03	1.09	58.66	63.82	108.40	19.34	123.43		72.87	74.09824	-1.23	122.20	63.18	209.65	122.20	63.18	
Total HT-IV Public Water Works (PWW)																				
5 HT-V Agricultural																				
3.56 3.32 6.03 0.59 58.66 34.63 66.40 65.92 278.30 47.58 61.49 51.04547 10.44 286.31 43.43 437.70 286.31 43.43																				
6 HT-VI Bulk Supply																				
A	Residential Complex	6.90	5.81	6.03	1.14	58.66	67.13	116.20	17.47	117.27		72.72	75.43030	-2.71	114.56	65.57	203.00	114.56	65.57	
B	Commercial Complex				#DIV/0!	58.66	#DIV/0!	0.00				0.00			0.00	#DIV/0!	0.00	0.00		
Total HT-VI Bulk Supply																				
8 Temporary Supply																				
A	religious		3.71	6.03	0.00	58.66	0.00	74.20	0.23	0.00		-16.50	0.59975	-17.10	-17.10	0.00	1.73	-17.10	0.00	
B	other	16.39	12.50	6.03	2.72	58.66	159.45	250.00	0.25	4.04		-1.68	2.37131	-4.05	-0.01	159.45	6.34	-0.01	159.45	
9 Public services(HT IX)																				
A Government																				
A	Express Feeders	7.91	7.20	6.03	1.31	58.66	76.95	144.00	8.01	61.66	70.39	73.76	58.25844	15.50	147.55	184.15	115.38	115.38	144.00	32.17
B	Non-Express Feeders	7.71	6.60	6.03	1.28	58.66	75.01	132.00	4.92	36.92		40.89	33.86300	7.03	43.95	89.27	64.98	43.95	89.27	
B Others																				
A	Express Feeders	9.60	8.89	6.03	1.59	58.66	93.39	177.80	26.92	251.41		114.91	97.91431	17.00	268.41	99.71	478.64	268.41	99.71	
B	Non-Express Feeders	9.52	8.41	6.03	1.58	58.66	92.61	168.20	26.24	243.04		155.44	121.58118	33.85	276.90	105.52	441.39	276.90	105.52	
HT X Port																				
11.32 10.91 6.03 1.88 58.66 110.13 218.20 5.79 63.81 2.17 37.42060 -35.25 28.56 110.13 126.44 28.56 110.13																				
MISCELL Aux supply																				
HT XI METRO MONO RAL 8.46 2.42																				
TOTAL HT Category																				
0.00 2308.80 18006.97 1726.36 12891.69 11472.18 1419.51 21152.83 32465.03 19482.95 1669.89																				
TOTAL LT Category																				
0.00 8396871.42 18656.81 1223.76 25313.32 17590.1486 3399.34 21921.91 35448.17 17698.30 4223.62																				
GRAND TOTAL																				
8399180.23 2950.12 38205.01 29062.33 4818.85 43074.75 67913.19 37181.24 5893.51																				
Actual FAC to be levied																				
FAC to be Charged 47033.81 Power loom rec 1357.99 48075																				
diff cf/ in next month																				
C/F due to Formula Error 10370.04 0.00																				