

Sr. No.	Generating Station Name	Contracted Capacity (MW)	Variable rate inclusive of FAC, Change in Law and ED CESS and POC Losses as applicable
1	KAWAS (LQ)		24.8947
2	KAWAS (NAPM-COM GAS)	204	10.8170
3	JGPS (NAPM-COM GAS)	200	10.6073
4	KAWAS (RLNG)		10.0646
5	JGPS (RLNG)		9.9763
6	Uran GTPS (Open cycle operation)		8.0000
7	KAWAS (APM GAS)		5.9362
8	JGPS (APM GAS)		5.9051
9	Nasik Unit - 03 to 05	630	5.7640
10	Uran GTPS (Combined cycle operation)	672	5.7340
11	Bhusawal Unit - 03	210	5.4980
12	Solapur STPS	616	4.7759
13	Bhusawal Unit - 04 & 05	1000	4.5500
14	Parali Unit - 06 & 07	500	4.5110
15	Parali Unit -08	250	4.4858
16	JSW U1, Jaigad	300	4.4007
17	Chandrapur Unit - 03 to 07	1920	4.3760
18	Paras Unit - 03 & 04	500	4.2170
19	Chandrapur Unit - 08,09	1000	3.8950
20	Bhusawal Unit - 06	660	3.7730
21	Khargone	50	3.7398
22	Koradi Unit - 06	210	3.6740
23	Khaperkheda Unit - 01 to 04	840	3.6300
24	APML, 440 MW	440	3.5970
25	APML, Unit 1,4 & 5 1200 MW	1200	3.5370
26	APML, Unit 1,4 & 5 125 MW	125	3.5370
27	Gadarwara	50	3.4359
28	IEPL Case-IV	180	3.4150
29	APML, Unit 2 & 3 (1320 MW)	1320	3.1799
30	CGPL	760	3.1126
31	MSTPS-I	370	3.0916
32	Koradi Unit - 08 to 10	1980	3.0730
33	Khaperkheda Unit - 05	500	3.0690
34	MSTPS-II	500	3.0273
35	SWPGL	240	2.9132
36	KHTPS-II	148	2.8820
37	VIPL UNIT-1&2 to MSEDCL (Powerpulse)	543	2.7750
38	Sarda Energy and Minerals Ltd. (Manikaran Interstate)	100	2.7750
39	Jindal Power Ltd,Shirpur to MSEDCL	100	2.7750
40	GMR	200	2.6585
41	Jindal Power Limited,Tamnar (Interstate)	250	2.5582
42	RattanIndia Power Ltd, Amravati	1200	2.5075
43	VSTP-I	410	2.4553
44	VSTPS-V	149	2.3525
45	VSTP-II	319	2.3222
46	VSTPS-III	258	2.2970
47	VSTP-IV	270	2.2858
48	SSTPS-II	258	1.6505
49	SSTPS-I	510	1.6215
50	KSTPS I AND II	610	1.5872
51	KSTPS-III	108	1.5400
52	Lara	230	1.3921

Note:

1. Average of all India transmission loss for the period from 29.09.25 to 05.10.25,06.10.25 to 12.10.25,13.10.25 to 19.10.25,20.10.25 to 26.10.25 and 27.10.25 to 02.11.25 are considered.

1.5S form is not received from M/s CGPL ,hence MOD is given as per PPA rate calculated and CIL as per Mar-23

2. MOD for APML, RPL, GMR, JSW and SWPGCL has been considered as per 5S form submitted by genertors. Billing will be done after due verification by MSEDCL as per various regulatory orders and various matters subjudiced before various forum.

3. GWEL has considered PU credit impact of Rs. 0.07271 towards SED and CST in Form 5S

4. For the MOD data for November-2025, MOD rates are considered from Provisional FAC Bill of October-25 Part-I raised vide MSPGCL's letter no. RCD25/15/LT1386 dated 11.11.2025, Bill No.089/2025 and revised bill for Kahparkheda 1-4 and Khaparkheda 5 sent on email dt. 13.11.2025 vide bill no. 091/2025 Dt. 13.11.2025.

5. As per email of Chief Engineer - RCD Dt. 11.11.2025, Parli U#8 was under shut down in the month of Oct-25; the MOD rate of Parli U#8 is Rs. 4.4858/kwh.

6. As per email of Chief Engineer - RCD Dt. 10.11.2025, The effective MoD rate of M/s. IEPL for Case-IV, phase-4 contract from 16.11.2025 will be Rs. 3.415/kWh considering Chang in law impact of (-) 0.092 Rs./kWh.

MAHARASHTRA STATE POWER GENERATION CO. LTD.

PH: 26472211, 26472131

FAX: 91-22-26580643

Email: rcgen@mahagenco.in

Regulatory & Commercial Dept.

Prakashgad, 3rd Floor,

Bandra (E) Mumbai 400 051



Energy Bill No: 074/2025

Bill Date: 01-11-2025

Due date: 15-12-2025

THERMAL & GAS STATIONS Energy bill for the month of October-2025

SR. NO.	POWER STATION	UNITS SENT OUT Sheduled generation (Mus)	ENERGY RATE (Rs./Unit)	MONTHLY ENERGY CHARGE (Rs. in Lakhs)	APPROVED MONTHLY FIXED CHARGE (Rs.in Lakhs)	BILL CLAIMED FOR THE MONTH (Rs.in Lakhs)	ADDITIONAL AFC DISALLOWANCE ADJUSTED FOR THE CURRENT MONTH (Rs.LAKHS.)	NET FC AFTER ADJUSTING THE AFC DISALLOWANCE UPTO THE MONTH (Rs.in Lakhs)	NET BILL CLAIMED FOR THE MONTH (Rs.in Lakhs)
a	b	c	d	e = (c * d)*10	f	g = e + f	h = oo	i = f - h	j = g - h
1	BHUSAWAL (Unit 3)	0.138175	5.174	7.14917	1269.21088	1276.36005	-422.83372	1692.04460	1699.19377
2	BHUSAWAL (Unit 4-5)	144.693300	4.275	6185.63858	8945.09632	15130.73490	-490.176500	9435.27282	15620.91140
3	BHUSAWAL (Unit 6)	317.458480	3.561	11304.69647	11054.41667	22359.11314	394.421580	10659.99509	21964.69156
4	KHAPARKHEDA (Unit 1- 4)	343.636749	3.728	12810.77800	5845.63448	18656.41248	-85.18786	5930.82234	18741.60034
5	KHAPARKHEDA U # 5	274.843416	3.328	9146.78888	5514.59023	14661.37911	-360.77090	5875.36113	15022.15001
6	NASHIK (Unit 3-5)	161.798318	5.243	8483.08581	3772.99716	12256.08297	-832.62649	4605.62365	13088.70946
7	CHANDRAPUR (Unit 3-7)	572.652743	4.509	25820.91218	9449.19707	35270.10925	-610.23529	10059.43236	35880.34454
8	CHANDRAPUR (Unit- 8 & 9)	447.815613	3.660	16390.05144	10023.44512	26413.49656	-235.55966	10259.00478	26649.05622
9	PARAS (Unit 3- 4)	193.552041	4.026	7792.40517	4300.06920	12092.47437	-339.67724	4639.74644	12432.15161
10	PARLI (Unit 6- 7)	32.701717	5.369	1755.75519	4632.11519	6387.87038	-204.37473	4836.48992	6592.24511
11	PARLI (Unit 8)	0.000000	5.236	0.00000	2953.19104	2953.19104	2367.89977	585.29127	585.29127
12	KORADI (Unit 6)	79.812272	3.595	2869.25118	2862.36624	5731.61742	109.18462	2753.18162	5622.43280
13	KORADI (Unit- 8,9 & 10)	1044.220276	3.323	34699.43977	17333.13525	52032.57502	-2349.39341	19682.52866	54381.96843
14	GTPS URAN (Unit 5 -10)	201.199000	5.232	10526.73168	1947.24880	12473.98048	-43.55710	1990.80590	12517.53758
	TOTAL THERMAL	3814.522100		147792.68352	89902.71365	237695.39717	-3102.88693	93005.60058	240798.28410

ENERGY BILL FOR SUPPLY OF ENERGY FROM MAHAGENCO's THERMAL & GAS POWER STATIONS TO MAHAVITARAN FOR THE MONTH OF October 2025

240798.28410

Bill amount in words Rs. Two Thousand four Hundred seven crores ninety eight Lakhs twenty eight thousand four hundred ten only (E & OE)

Note:

1. Provisional bill shall be raised seperately later for the transmission system incidences occurred on date 21.10.2025 @ 20:03 Hrs for Chandrapur U-04, U-08, U-09 as per State Grid Code 2020 Reg. 30.12 and 53.3.9.

2. Provisional bill shall be raised seperately later for DC demonstration if any for October 2025 for the tariffs and units where actual DC and SG have not been replaced with new DC SG as asked during demonstration as mentioned in Format-I of Annexure 3.

**Chief Engineer,
Regulatory & Commercial Dept.**

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

PH: 26472211, 26472131 FAX: 91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051
---	--	---

Calculation for Cummulative AVF Based AFC Disallowance upto October 2025

Month :	Oct-25
Season :	Low Demand Season
Month no. in the season:	5

Month :	Oct-25
Season :	Low Demand Season
Month no. in the season:	5

Month :	Oct-25
Season :	Low Demand Season
Month no. in the season:	5

SR. NO.	POWER STATION	Approved Annual Fixed Charge for target AVF (Rs.in Lakhs)	AFC upto First month of high deemand season for target AVF (Rs.in Lakhs)	Normative Availability (%)	Ceiling for peak period recovery during the season	Ceiling for off-peak period recovery during the season	Actual peak period Cummlative AVF upto October 2025 (%)	Actual off-peak period Cummlative AVF upto October 2025 (%)	Capacity Charge for Peak Hours of the Month	Capacity Charge for Off-Peak Hours of the Month	Recoverable Capacity charge as per actual availability factor	Fixed charge disallowance to be passed on	AFC Disallowance adjusted up to last month (Rs. Lakhs.)	Additional AFC disallowance adjustment to be done in the bill for the month of October 2025(Rs. Lakhs.)
aa	bb	cc	dd	ee	ff	gg	hh	ii	jj	kk	ll = jj + kk	mm = dd - ll	nn	oo = mm - nn
1	BHUSAWAL (Unit 3)	17745.5328100	7393.9720000	85.00%	1478.7944008	5915.1776033	80.686%	81.878%	1403.74124	5697.91661	7101.65785	292.3141500	715.14787	-422.83372
2	BHUSAWAL (Unit 4-5)	111212.1378600	46338.3907800	85.00%	9267.6781550	37070.7126200	89.238%	91.488%	9267.67816	37070.71262	46338.39078	0.0000000	490.17650	-490.17650
3	BHUSAWAL (Unit 6)	132653.0000000	55272.0833300	85.00%	11054.4166667	44217.6666667	76.224%	76.615%	9913.08066	39855.72390	49768.80456	5503.2787700	5108.85719	394.42158
4	KHAPARKHEDA (Unit 1- 4)	77581.0593900	32325.4414100	85.00%	6465.0882825	25860.3531300	67.972%	70.376%	5169.94095	21411.15543	26581.09638	5744.3450300	5829.53289	-85.18786
5	KHAPARKHEDA U # 5	61862.9700500	25776.2375200	85.00%	5155.2475042	20620.9900167	39.552%	39.521%	2398.82764	9587.78996	11986.61760	13789.6199200	14150.39082	-360.77090
6	NASHIK (Unit 3-5)	46898.2158700	19540.9232800	85.00%	3908.1846558	15632.7386233	82.525%	83.944%	3794.38751	15438.52484	19232.91235	308.0109300	1140.63742	-832.62649
7	CHANDRAPUR (Unit 3-7)	141531.6751400	58971.5313100	80.00%	11794.3062617	47177.2250467	62.606%	65.627%	9229.92922	38701.24685	47931.17607	11040.3552400	11650.59053	-610.23529
8	CHANDRAPUR (Unit- 8 & 9)	119399.6738500	49749.8641000	85.00%	9949.9728208	39799.8912833	68.657%	69.445%	8036.88569	32516.51118	40553.39687	9196.4672300	9432.02689	-235.55966
9	PARAS (Unit 3- 4)	53799.9746900	22416.6561200	85.00%	4483.3312242	17933.3248967	72.269%	74.692%	3811.83370	15758.54004	19570.37373	2846.2823900	3185.95963	-339.67724
10	PARALI (UNIT 6-7)	54238.4507700	22599.3544900	85.00%	4519.8708975	18079.4835900	94.176%	96.316%	4519.87090	18079.48359	22599.35449	0.0000000	204.37473	-204.37473
11	PARALI (UNIT 8)	40496.7901200	16873.6625500	85.00%	3374.7325100	13498.9300400	68.490%	70.512%	2719.24035	11198.07712	13917.31747	2956.3450800	588.44531	2367.89977
12	KORADI (Unit 6)	30162.0389800	12567.5162400	75.00%	2513.5032483	10054.0129933	49.092%	52.553%	1645.23869	7044.91393	8690.15262	3877.3636200	3768.17900	109.18462
13	KORADI (Unit- 8, 9 & 10)	230999.8709300	96249.9462200	85.00%	19249.9892442	76999.9569767	64.337%	65.497%	14570.43009	59332.54332	73902.97341	22346.9728100	24696.36622	-2349.39341
14	GTPS URAN (Unit 5 -10)	23220.9888100	9675.4120000	40.89%	1935.0824008	7740.3296033	38.700%	38.318%	1831.44262	7253.45927	9084.90190	590.5101000	634.06720	-43.55710
	TOTAL THERMAL	1141802.3792700	475750.9913500		95150.1982725	380600.7930900			78312.52742	318946.59866	397259.12608	78491.86527	81594.75220	-3102.88693
									Rs.Thirty One crores two Lakhs eighty eight thousand six hundered and ninety three only (E & OE)					-3102.88693

PH: 26472211, 26472131 FAX:91-22-26580643 Email: rcgen@mahagenco.in					Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051					
Bill No. 075/2025		Bill Date: 01-11-2025				Due date: 15-12-2025				
Energy Bill of MAHAGENCO for the Month of Oct-2025 [From 01-10-2025 (00.00 Hrs) to 31-10-2025 (24:00 Hrs)]										
ENERGY BILL FOR LARGE HYDRO POWER STATIONS										
I. ENERGY BILL FOR HIGH CAPACITY HYDRO POWER STATIONS										
Sr. No.	POWER STATION	UNITS SENT OUT (MU)	ENERGY RATE (Rs/ kWh)	Energy Charge (Rs. Lakhs)	NAPAF (as per MERC)	Approved Monthly Fixed Charges as per NAPAF (Rs. In Lakhs)	Actual PAFM for the month	*Incentive for the month as per actual PAFM	BILL AMOUNT (Rs. Lakhs)	
a	b	c	d	e = (c*d)*10	f	g	h	i	j=e+g+i	
KOYNA HPS										
1	KGSC Stage I & II	53.784248	0.764	410.911655	89.65	609.416319	100.00	70.356482	1090.684455	
2	KGSC Stage III	22.115400	0.764	168.961656	89.65	325.022037	100.00	37.523464	531.507156	
3	KGSC Stage IV	41.007680	0.764	313.298675	89.65	1015.693864	100.00	117.260806	1446.253345	
4	KDPH	9.241200	0.764	70.602768	89.65	36.564979	100.00	4.221391	111.389138	
5	Total KGSC	126.148528		963.774754		1986.697198		229.362142	3179.834094	
BHIRA TR HPS										
6	Bhira HPS U # 1 & 2	6.806479	1.081	73.578038	90.00	62.588573	50.30	-27.611813	108.554798	
7	Bhira Total	6.806479		73.578038		62.588573	50.30	-27.611813	108.55480	
TILLARI HPS										
8	Tillari HPS U # 1	1.297340	1.253	16.255670	90.00	109.437903	100.00	12.159767	137.853340	
9	Tillari Total	1.297340		16.255670		109.437903	100.00	12.159767	137.85334	
10	Total for High Capacity Hydro P.S.	134.252347		1053.608462		2158.72367		213.91010	3426.24223	
II. ENERGY BILL FOR OTHER LARGE HYDRO POWER STATIONS										
Sr. No.	POWER STATION	UNITS SENT OUT (MU)	ENERGY RATE (Rs/ kWh)	Energy Charge (Rs. Lakhs)		Approved Monthly Fixed Charges (Rs. In Lakhs)			BILL AMOUNT (Rs. Lakhs)	
11	Vaitarna	3.848258	0.00000	0.00000		282.43024			282.43024	
12	Ghatghar PSS	11.150540	0.00000	0.00000		1998.96599			1998.96599	
13	Total Mahagenco's Hydro (Including Ghatghar PSS)	149.251145							5707.63846	
III. BILL SUMMARY										
14	TOTAL ENERGY BILL AMOUNT IN RS. CR. FOR MSPGCL'S LARGE HYDRO STATIONS FOR THE MONTH OF							October-2025	57.0763846	
Total Energy Bill Amount for MSPGCL's Large Hydro Power Stations is Rs. 57.0763846 Cr. in words (Rupees Fifty Seven Crore Seven Lakh Sixty Three Thousand Eight Hundred Forty Six and Paise Zero Only) (E & OE).										
*Capacity Charges, Energy Charges & incentive for Koyna, Bhira TR and Tillari are separately indicated as per Clause No. 10.2.2 of MERC MYT Order in Case no. 187 of 2024										
Chief Engineer (Regulatory & Commercial Dept.)										

PH: 26472211, 26472131 FAX:91-22-26580643 Email: rcgen@mahagenco.in			Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051		 MAHAGENCO Maharashtra State Power Generation Co. Ltd.	
Bill No. 076/2025			Bill Date: 01-11-2025		Due Date: 15-12-2025	
Energy Bill of MAHAGENCO for the Month of Oct-2025 [From 01-10-2025 (00.00 Hrs) to 31-10-2025 (24:00 Hrs)]						
ENERGY BILL FOR SMALL HYDRO POWER STATIONS						
Sr.No.	NAME OF H. P. S.	Capacity (No. of Units X MW)	Net energy exported in MUs	Fix charges in Rs. Lakh		
YELDARI DIVISION						
1	Yeldari	3 X 7.5	12.197893	112.86316		
2	Paithan	1 X 12	-0.003734	58.69973		
VAITARNA DIVISION						
4	Vaitarna Dam Toe	1 X 1.5	0.146537	7.06076		
5	Bhatsa	1 X 15	9.142311	37.29513		
6	Surya	1 X 6	3.091408	78.86758		
BHATGHAR DIVISION						
8	Bhatghar	1X 16	0.729935	114.47928		
9	Kanher	1 X 4	0.607100	-24.83553		
10	Dhom	2 X 1	0.396840	-50.72627		
11	Ujjani	1 X 12	7.358514	177.96217		
12	Warana	2 X 8	3.910321	160.24929		
PANSHET DIVISION						
13	Panshet	1 X 8	1.373085	54.68802		
14	Varasgaon	1 X 8	0.980921	44.60323		
15	Pawana	1 X 10	1.416896	67.20865		
16	Manikdoh	1 X 6	-0.009023	75.76374		
17	Dimbhe	1 X 5	0.394054	75.47935		
BHIRA DIVISION						
18	Dudhganga	2 X 12	2.985220	167.77708		
19	Terwanmedhe	1 X 0.2	0.025350	7.89798		
20	Radhanagari	4 X 1.2	-0.000363	0.00000		
TOTAL SMALL HYDRO						
TOTAL			44.7432650	1165.33334		
III. BILL SUMMARY						
21	TOTAL ENERGY BILL IN RS CRORE AMOUNT FOR MAHAGENCO'S SMALL HYDRO STATIONS FOR THE MONTH OF			Oct-25	11.6533334	
Amount in words (Rupees Eleven Crore Sixty Five Lakh Thirty Three Thousand Three Hundred Thirty Four and Paise Zero Only)						
Chief Engineer (RCD)						

MAHARASHTRA STATE POWER GENERATION CO. LTD.

PH: 26472211, 26472131

FAX: 91-22-26580643

Email: rcgen@mahagenco.in

Regulatory & Commercial Dept.

Prakashgad, 3rd Floor,

Bandra (E) Mumbai 400 051

Bill No	091/2025	Date:	13-11-2025	Due date:	27-12-2025
---------	----------	-------	------------	-----------	------------

Provisional Part-I Fuel Surcharge Adjustment bill for the Month of October-2025**THERMAL & GAS STATIONS**

SR. NO.	POWER STATION	ECR Considered for Monthly Energy Bill (Rs/Kwh)	Calculated VC without FGD (Rs/Kwh)	Calculated VC with FGD (Rs/Kwh)	Adjustment of FSA Rate (Rs./kWh)	Net Generation sent out (MU's)	FAC-I (Rs. Lakh)
		(a)	(b)		(c) = (b - a)	(d)	(e) = d X c X 10
1	BHUSAWAL (Unit 3)	5.174	5.498		0.324	0.138175	0.44769
2	BHUSAWAL (Unit 4-5)	4.275	4.550		0.275	144.693300	397.90657
3	BHUSAWAL (Unit 6)	3.561	3.773		0.212	317.458480	673.01198
4	KHAPARKHEDA (Unit 1- 4)	3.728	3.630	3.633	-0.095	343.636749	-326.45491
5	KHAPARKHEDA (Unit 5)	3.328	3.069		-0.259	274.843416	-711.84445
6	NASHIK (Unit 3-5)	5.243	5.764		0.521	161.798318	842.96924
7	CHANDRAPUR (Unit 3-7)	4.509	4.376		-0.133	572.652743	-761.62815
8	CHANDRAPUR (Unit- 8 & 9)	3.660	3.895		0.235	447.815613	1052.36669
9	PARAS (Unit 3- 4)	4.026	4.217		0.191	193.552041	369.68440
10	PARLI (UNIT 6-7)	5.369	4.511		-0.858	32.701717	-280.58073
11	PARLI (UNIT 8)	5.236	4.486		-0.750	0.000000	0.00000
12	KORADI (Unit 6)	3.595	3.674	3.675	0.080	79.812272	63.84982
13	KORADI (Unit-8,9 & 10)	3.323	3.073		-0.250	1044.220276	-2610.55069
14	URAN GTPS (Combine cycle)	5.232	5.734		0.502	200.375250	1005.88376
15	URAN GTPS (Open cycle)	5.232	8.000		2.768	0.975000	26.98800
TOTAL MSPGCL FAC BILL						3814.673350	-257.95078

The provisional Part-I Fuel Surcharge Adjustment Bill for MSPGCL stations to MSEDCL for the month of Oct-25 is Rs.- 2,57,95,078/- (in words, withdrawal of Rs. Two Crore Fifty Seven Lakh Ninety Five Thousand Seventy Eight Only)

Chief Engineer,
Regulatory & Commercial Dept.

F10 - ECR calculation for October-202		0.02	153.78		335.20		379.51		289.45		197.70		626.80		476.33		212.82		36.00		0.00		89.37		combined cycle		Open cycle								
S. No.	Particulars	Units	Bhusawal	Bhusawal	Bhusawal	Bhusawal 4 & 5	Bhusawal 5	Bhusawal 6	Bhusawal 6	Khaparkhedha 1 TO 4	Khaparkhedha 1 TO 4	Khaparkhedha 5	Khaparkhedha -5	Nashik	Nashik	Chandrapur # 3 to 7	Chandrapur # 3 to 7	Chandrapur Units 8 & 9	Chandrapur Units 8 & 9	Paras Units 3 & 4	Paras Units 3 & 4	Parli Units 6 & 7	Parli Units 6 & 7	Parli Unit 8	Parli Unit 8	Koradi 6	Koradi 6	Koradi Units 8, 9 & 10	Koradi Units 8, 9 & 10	URAN combined cycle	URAN	URAN Open cycle	URAN		
1	Operational Parameters		Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	
1.1	Total Capacity	MW	210	210	1000	1000	660	660	660	660	840.00	840.00	500.00	500.00	630.00	630.00	1920	1920	1000	1000	500	500	500	500	250	250	210	1980	1980	672	672	672	672		
1.2	Availability	%	89.30%	89.30%	85.30%	85.30%	81.87%	81.87%	81.87%	81.87%	71.22%	71.22%	80.13%	80.13%	91.71%	91.71%	85.80%	85.80%	85.80%	85.80%	85.80%	85.80%	94.49%	94.49%	0.00%	0.00%	71.54%	71.54%	83.98%	83.98%	42%	42%	41.73%	41.73%	
1.3	PLF	%	0.01%	0.01%	20.67%	20.67%	68.26%	68.26%	68.26%	68.26%	60.73%	60.73%	77.81%	77.81%	42.18%	42.18%	43.88%	43.88%	64.02%	64.02%	57.21%	57.21%	9.68%	9.68%	0.00%	0.00%	57.20%	57.20%	74.96%	74.96%	42%	42%	41.53%	41.53%	
1.40	Gross Generation	MU	0.00	0.00	159.19	159.19	337.22	337.22	392.57	392.57	290.14	290.14	198.54	198.54	647.29	647.29	478.13	478.13	218.34	218.34	37.19	37.19	37.19	37.19	0.00	0.00	86.15	86.15	1110.14	1110.14	206.67	206.67	0.59	0.59	
1.50	Auxiliary Consumption excluding FGD	%	36797.85%	10.96%	9.64%	6.00%	7.10%	5.75%	12.00%	6.50%	9.70%	9.70%	6.00%	12.85%	10.75%	12.29%	6.87%	6.87%	11.95%	9.30%	20.89%	9.30%	0.00%	8.50%	11.71%	10.81%	6.30%	6.00%	2.91%	3.10%	0.67%	1.00%			
1.60	Auxiliary Consumption excluding FGD	MU	1.47	0.00	15.34	9.55	23.95	19.39	39.39	19.39	18.86	17.41	25.50	21.34	79.57	56.12	32.82	28.69	26.09	20.31	7.77	3.46	1.80	0.00	10.09	9.31	69.92	66.61	6.02	6.41	0.00	0.01			
1.70	Auxiliary Consumption for FGD	%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	
1.80	Auxiliary Consumption for FGD	MU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.90	Total Auxiliary Consumption	%	36797.85%	10.96%	9.64%	6.00%	7.10%	5.75%	12.00%	6.50%	9.90%	9.90%	6.00%	12.85%	10.75%	12.29%	6.87%	6.87%	11.95%	9.30%	20.89%	9.30%	0.00%	8.50%	11.74%	11.01%	6.30%	6.00%	2.91%	3.10%	0.67%	1.00%			
1.10	Total Auxiliary Consumption (= 1.6 + 1.8)	MU	1.47	0.00	15.34	9.55	23.95	19.39	47.11	38.09	18.86	17.41	25.50	21.34	79.57	56.12	32.82	28.69	26.09	20.31	7.77	3.46	1.80	0.00	10.12	9.34	69.92	66.61	6.02	6.41	0.00	0.006			
1.11	Net Generation (= 1.4 - 1.10)	MU	1.47	0.00	143.85	149.63	313.27	317.83	345.46	354.48	271.28	272.73	173.03835	177.20	567.72	591.17	445.31	449.44	192.25000	198.03	29.42	33.73	1.80	0.00	76.039	76.82	1040.22	1043.53	200.651001	200.27	0.59	0.588			
1.12	Heat Rate	kcal/kWh	3010.00	2787.00	2638.80	2375.00	2297.81	2139.05	2706.06	2630.00	2369.70	2375.00	2787.52	2754.00	2724.17	2688.00	2376.38	2375.00	2382.36	2415.00	2504.34	2415.00	2415.00	2581.72	2455.75	2389.76	2230.00	2099.46	2035.00	3467.44	2900.00				
1.13	Secondary Fuel Oil Consumption	ml/kWh	0.00	1.40	0.33	0.50	0.29	0.50	0.83	1.20	0.35	0.50	0.80	1.00	4.79	1.00	0.74	0.50	1.73	0.50	10.17	0.50	0.00	0.50	14.61	2.81	0.83	0.50							
1.14	Transit Loss for Domestic Coal	%	2.189%	0.800%	2.381%	0.800%	1.526%	0.800%	1.274%	0.800%	1.917%	0.800%	1.077%	0.800%	0.649%	0.800%	0.604%	0.800%	1.181%	0.800%	2.238%	0.800%	1.981%	0.800%	0.822%	0.800%	1.521%	0.800%							
1.15	Transit Loss for washed Coal	%	0%							3.29%	80%	3.29%				0%		0.00%	0.00%			0%	0.73%	0%											
	SHR coal component		3018.00	2773.27	2635.62	2370.10	2294.92	2114.15	2698.14	2618.62	2366.36	2370.26	2779.80	2744.49	2679.02	2678.58	2369.45	2370.29	2366.01	2410.27	2408.14	2410.27	0.00	2410.27	2443.95	2429.24	2389.44	2225.28							
2	Fuel parameters (for each primary and secondary fuel)																																		
2.1	Calorific Value																																		
2.1.1	Domestic Coal (As Billed)	kcal/kg	3897.00	3897	3925	3925	3915.00	3915	3693	3693	3693	3693	3707	3707	3772	3772	3823	3823	3677.00	3677.00	3614	3614	3707	3707.00	3771.00	3771.00	4209.00	4209.00		8713	8713	8684	8684		
2.1.2	Imported Coal (As Billed)	kcal/kg	4601.00	4601	4603	4603	4603.00	4603	4644	4644	4644	4644	4617	4617	4662	4662	4680	4680	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00						
2.1.3	Wash Coal (As Billed)	kcal/kg	0.00	0.00	3778.00	3778.00	0.00	0.00	3981.00	3981.00	3981.00	3981.00	0.00	0.00	3972	3972.00	4056.00	4056.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3828.00	3828.00					
	Domestic Coal (As Received)- Actual	kcal/kg	3098.00	3098.00	3130.00	3130.00	3020.00	3020.00	2931.00	2931.00	2931.00	2931.00	2958.00	2958.00	3024.00	3024.00	3052.00	3052.00	3120.00	3120.00	3181.00	3181.00	3206.00	3206.00	2975.00	2975.00	3444.00	3444.00							
	GCV loss between loading end and unloading end-Domestic Actual	kcal/kg	799.00	799.00	795.00	795.00	895.00	895.00	760.00	760.00	760.00	760.00	749.00	749.00	748.00	748.00	771.00	771.00	557.00	557.00	433.00	433.00	501.00	501.00	796.00	796.00	765.00	765.00							
	GCV loss between loading end and unloading end as per MERC MYT Regulations 2024.	kcal/kg	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00							
	Minimum of GCV loss of Actual Vs Approved	kcal/kg	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	749.00	749.00	748.00	748.00	750.00	750.00	557.00	557.00	433.00	433.00	501.00	501.00	750.00	750.00	750.00	750.00							
	Domestic coal As received GCV for FAC computation	kcal/kg	3147.00	3147.00	3175.00	3175.00	3165.00	3165.00	2943.00	2943.00	2943.00	2943.00	2958.00	2958.00	3024.00	3024.00	3073.00	3073.00	3120.00	3120.00	3181.00	3181.00	3206.00	3206.00	3021.00	3021.00	3459.00	3459.00							
	Wash Coal (As Received)	kcal/kg	0.00	0.00	3173.00	3173.00	0.00	0.00	3426.00	3426.00	0.00	0.00	3320.00	3320.00	3231.00	3231.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3252.00	3252.00				
	GCV loss between loading end and unloading end-Wash Coal Actual	kcal/kg	0.00	0.00	605.00	605.00	0.00	0.00	555.00	555.00	555.00	555.00	0.00	0.00	652.00	652.00	825.00	825.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	576.00	576.00					
	GCV loss between loading end and unloading end for Wash Coal as per Case No. 296 of 2019 (Min. of Actual or 300)	kcal/kg	0.00	0.00	300.00	300.00	0.00	0.00	300.00	300.00	300.00	300.00	0.00	0.00	300.00	300.00	300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300.00	300.00					
	Wash coal As received GCV for FAC computation	kcal/kg	0.00	0.00	3478.00	3478.00	0.00	0.00	3681.00	3681.00	3681.00	3681.00	0.00	0.00	3672.00	3672.00	3756.00	3756.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3528.00	3528.00					
2.1.4	Imported Coal (As Received)	kcal/kg	4601	4601	4603	4603	4603	4603	4644	4644	4644	4644	4617	4617	4662	4662	4680	4680	0	0	0	0	0	0	0	0	0	0	0						
	Weighted avg. received GCV Raw coal + Washed coal - Actual	kcal/kg	3098.00	3098.00	3130.00	3130.00	3020.00	3020.00	2931.00	2931.00	2931.00	2931.00	2958.00	2958.00	3047.20	3047.20	3057.58	3057.58	3120.00	3120.00	3181.00	3181.00	0.00	0.00	2975.00	2975.00	3342.24	3342.24							
	Weighted avg. received GCV Imported Coal; - Actual	kcal/kg	4601.00	4601.00	4603.00	4603.00	4603.00	4603.00	4644.00	4644.00	4644.00	4644.00	4617.00	4617.00	4662.00	4662.00	4680.00	4680.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	Weighted Avg Raw & Wash Coal for FAC Computations	kcal/kg	3147.00	3147.00	3175.00	3175.00	3165.00	3165.00	3100.57	3100.57	3064.44	3064.44	2958.00	2958.00	3074.78	3074.78	3094.29	3094.29	3120.00	3120.00	3181.00	3181.00	0.00	0.00	3021.00	3021.00	3495.57	3495.57							
	Weighted Avg Imported Coal for FAC Computations	kcal/kg	4601.00	4601.00	4603.00	4603.00	4603.00	4603.00	4644.00	4644.00	4644.00	4644.00	4617.00	4617.00	4662.00	4662.00	4680.00	4680.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
2.1.5	L.D.O	kcal/kg	11267.00																																