

Annexure-8.1 Format of Form-5B

Format for Buyer wise MoD Stack (De-Centralised MoD) for Day ahead Scheduling and Revision of Schedule

**MOD STACK OF VARIABLE CHARGES (VC) FOR MAR-2025 (R0) FOR BUYER - MSEDCL
(Effective from 16.03.2025 to 15.04.2025)**

Sr. No.	Generator	Installed Capacity/ Share in ISGS/ InSGS (MW)	Type of Fuel	Variable Charge (Rs./kWh) in Descending Order		
				Approved Variable Charge in Rs/kWh (as per Tariff Order for S.62 Generators/ as per PPA for S.63 Generator) including fuel surcharge for (N-1) month	Impact for approved Change in Law (if any) in Rs./kWh	Total Variable Charge in Rs./kWh
				(a)	(b)	(c)=(a)+(b)
1	KAWAS (LQ)	-	Gas	22.4274		22.4274
2	KAWAS (NAPM-COM GAS)	-	Gas	13.1048		13.1048
3	JGPS (NAPM-COM GAS)	-	Gas	13.0340		13.0340
4	KAWAS (RLNG)	-	Gas	10.7387		10.7387
5	JGPS (RLNG)	-	Gas	10.7231		10.7231
6	Uran GTPS (Open cycle operation)			7.5290		7.5290
7	Jindal Power Limited, Shirpur Power Plant, Dhule	150	Coal	6.3800		6.3800
8	KAWAS (APM GAS)	200	Gas	5.9515		5.9515
9	JGPS (APM GAS)	204	Gas	5.9203		5.9203
10	Nasik Unit - 03 to 05	630	Coal	5.8200		5.8200
11	Uran GTPS (Combined cycle operation)	840	Gas	5.3980		5.3980
12	Bhusawal Unit - 03	210	Coal	5.1910		5.1910
13	Parali Unit -08	250	Coal	5.0750		5.0750
14	Parali Unit - 06 & 07	500	Coal	5.0540		5.0540
15	APML, 440 MW	440	Coal	2.4209	2.0951	4.5160
16	APML, Unit 1,4 & 5 125 MW	125	Coal	2.3609	2.0951	4.4560
17	APML, Unit 1,4 & 5 1200 MW	1200	Coal	2.3609	2.0951	4.4560
18	Solapur STPS	642	Coal	4.4064		4.4064
19	Bhusawal Unit - 04 & 05	1000	Coal	4.3960		4.3960
20	Khargone	85	Coal	4.1520		4.1520
21	Chandrapur Unit - 03 to 07	1920	Coal	4.0070		4.0070
22	Chandrapur Unit - 08,09	1000	Coal	3.9870		3.9870
23	Khaperkheda Unit - 01 to 04	840	Coal	3.9010		3.9010
24	JSW U1, Jai gad	300	Coal	3.8400	0.0000	3.8400
25	CGPL	760	Coal	3.8173		3.8173
26	APML, Unit 2 & 3 (1320 MW)	1320	Coal	1.7040	2.1119	3.8159
27	Paras Unit - 03 & 04	500	Coal	3.6870		3.6870
28	Koradi Unit - 06	420	Coal	3.5670		3.5670
29	MSTPS-II	531	Coal	3.5647		3.5647
30	MSTPS-I	394	Coal	3.5501		3.5501
31	IEPL Case-IV	180	Coal	3.5070		3.5070
32	Bhusawal Unit - 06	660	Coal	3.4980		3.4980
33	Koradi Unit - 08 to 10	1980	Coal	3.2780		3.2780
34	Gadarwara	46	Coal	3.1692		3.1692
35	EMCO	200	Coal	3.0381		3.0381
36	KHTPS-II	148	Coal	2.9497		2.9497
37	SWPGL	240	Coal	2.5409	0.4043	2.9452
38	Khaperkheda Unit - 05	500	Coal	2.9090		2.9090
39	RattanIndia Power Ltd, Amravati	1200	Coal	2.3962	0.5119	2.9081
40	VSTP-I	432	Coal	2.0802		2.0802
41	VSTPS-V	161	Coal	1.9989		1.9989
42	VSTP-II	336	Coal	1.9697		1.9697
43	VSTPS-III	275	Coal	1.9463		1.9463
44	VSTP-IV	294	Coal	1.9275		1.9275
45	SSTPS-II	274	Coal	1.7328		1.7328
46	SSTPS-I	556	Coal	1.6735		1.6735
47	KSTPS I AND II	635	Coal	1.5392		1.5392
48	KSTPS-III	120	Coal	1.4911		1.4911
49	Lara	114	Coal	1.3713		1.3713

Note:

1. Average of all India transmission loss for the period from 3.02.25 to 9.02.25, 10.02.25 to 16.02.25, 17.02.25 to 23.02.25 and 24.02.25 to 2.03.25 are considered.
2. Rates of CGPL and JSW are considered as per MoP notification dated 3.02.2025.
3. MOD rates for APML, RPL, GMR 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.
4. For the MOD data for Mar-2025, MOD rates are considered from Provisional FAC Bill of Feb-24 Part-I raised vide MSPGCL's letter no. RCD25/15/LT0324 dated 12.03.2025, Bill No.174/2024.

MAHARASHTRA STATE POWER GENERATION CO. LTD.

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Regulatory & Commercial Dept.

Prakashgad, 3rd Floor,

Bandra (E) Mumbai 400 051



Energy Bill No: 164/2024

Bill Date: 01-03-2025

Due date: 30-03-2025

Energy Bill of MAHAGENCO for the Month of February - 2025 (From 01.02.2025 (00.00Hrs) to 28.02.2025(24:00Hrs))

THERMAL & GAS STATIONS

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)	85.248343	4.461	3802.92858	1481.92677	5284.85535	-28.02817	1509.95494	5312.88352
2	BHUSAWAL (Unit 4-5)	479.041687	3.746	17944.90160	8713.29190	26658.19350	-575.598690	9288.89059	27233.79219
3	BHUSAWAL (Unit 6)	82.987923	3.458	2869.72238	1814.05000	4683.77238	71.460760	1742.58924	4612.31162
4	KHAPARKHEDA (Unit 1- 4)	360.838947	4.218	15220.18678	5344.75006	20564.93684	192.58858	5152.16148	20372.34826
5	KHAPARKHEDA U # 5	224.259430	4.019	9012.98649	4822.59231	13835.57880	0.00000	4822.59231	13835.57880
6	NASHIK (Unit 3-5)	198.718172	4.641	9222.51036	4104.28997	13326.80033	0.00000	4104.28997	13326.80033
7	CHANDRAPUR (Unit 3-7)	652.426723	4.097	26729.92284	9452.65463	36182.57747	1145.22133	8307.43330	35037.35614
8	CHANDRAPUR (Unit- 8 & 9)	285.522785	3.442	9827.69426	10235.54230	20063.23656	4549.46304	5686.07926	15513.77352
9	PARAS (Unit 3- 4)	258.879098	3.510	9086.65634	4688.60884	13775.26518	-100.18128	4788.79012	13875.44646
10	PARLI (Unit 6- 7)	211.788408	5.096	10792.73727	4018.80666	14811.54393	-386.55185	4405.35851	15198.09578
11	PARLI (Unit 8)	97.038048	5.052	4902.36218	3205.51204	8107.87422	0.00000	3205.51204	8107.87422
12	KORADI (Unit 6)	100.342300	3.368	3379.52866	2568.81829	5948.34695	0.00000	2568.81829	5948.34695
13	KORADI (Unit- 8,9 & 10)	914.301616	3.119	28517.06740	16420.98683	44938.05423	-324.58847	16745.57530	45262.64270
14	GTPS URAN (Unit 5 -10)	184.911000	6.760	12499.98360	1062.58224	13562.56584	-1296.03798	2358.62022	14858.60382
	TOTAL THERMAL	4136.304480		163809.18874	77934.41284	241743.60158	3247.74727	74686.66557	238495.85431

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

238495.85431

Bill amount in words Rs. Two Thousand Three Hundred Eighty Four Crore Ninety Five Lakhs Eighty Five Thousand Four Hundred and Thirty One Only (E & OE).

**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											
Calculation for Cumulative AVF Based AFC Disallowance upto February 2025														
Month : Feb-25 Season : Low Demand Season Month no. in the season: 9 0.11666667														
SR. NO.	POWER STATION	Approved Annual Fixed Charge for target AVF (Rs.in Lakhs)	AFC upto First month of Low demand 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 Cumulative AVF upto February 2025 (%)	Actual off-peak period Cumulative AVF upto February 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 February 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)	16708.7422000	12531.5566500	80.00%	2506.3113300	10025.2453200	81.299%	81.150%	2506.31133	10025.24532	12531.55665	0.0000000	28.02817	-28.02817
2	BHUSAWAL (Unit 4-5)	104245.5028200	78184.1271200	85.00%	15636.8254230	62547.3016920	84.080%	82.726%	15467.57978	60873.97741	76341.55719	1842.5699300	2418.16862	-575.59869
3	BHUSAWAL (Unit 6)	15549.0000000	1814.0500000	85.00%	362.8100000	1451.2400000	83.346%	81.228%	355.75014	1386.83909	1742.58924	71.4607600	0.00000	71.46076
4	KHAPARKHEDA (Unit 1- 4)	66203.0239700	49652.2679800	85.00%	9930.4535955	39721.8143820	71.257%	71.261%	8324.87449	33301.36723	41626.24172	8026.0262600	7833.43768	192.58858
5	KHAPARKHEDA U # 5	54285.1077700	40713.8308300	85.00%	8142.7661655	32571.0646620	86.431%	85.492%	8142.76617	32571.06466	40713.83083	0.0000000	0.00000	0.00000
6	NASHIK (Unit 3-5)	47893.4796700	35920.1097500	80.00%	7184.0219505	28736.0878020	86.107%	85.645%	7184.02195	28736.08780	35920.10975	0.0000000	0.00000	0.00000
7	CHANDRAPUR (Unit 3-7)	132275.9359000	99206.9519300	80.00%	19841.3903850	79365.5615400	62.905%	62.233%	15601.53328	61739.46239	77340.99567	21865.9562600	20720.73493	1145.22133
8	CHANDRAPUR (Unit- 8 & 9)	122255.5075700	91691.6306800	85.00%	18338.3261355	73353.3045420	62.455%	61.498%	13474.35481	53071.54733	66545.90214	25145.7285400	20596.26550	4549.46304
9	PARAS (Unit 3- 4)	56701.9392600	42526.4544500	85.00%	8505.2908890	34021.1635560	75.099%	74.196%	7514.57459	29696.87354	37211.44814	5315.0063100	5415.18759	-100.18128
10	PARALI (UNIT 6-7)	46863.6799600	35147.7599700	85.00%	7029.5519940	28118.2079760	84.499%	84.742%	6988.11899	28032.86094	35020.97993	126.7800400	513.33189	-386.55185
11	PARALI (UNIT 8)	37621.1444600	28215.8583500	85.00%	5643.1716690	22572.6866760	85.990%	87.341%	5643.17167	22572.68668	28215.85835	0.0000000	0.00000	0.00000
12	KORADI (Unit 6)	26952.8195200	20214.6146400	72.00%	4042.9229280	16171.6917120	74.246%	73.854%	4042.92293	16171.69171	20214.61464	0.0000000	0.00000	0.00000
13	KORADI (Unit- 8, 9 & 10)	223955.7753700	167966.8315300	85.00%	33593.3663055	134373.4652220	71.977%	70.475%	28446.46737	111411.41131	139857.87868	28108.9528500	28433.54132	-324.58847
14	GTPS URAN (Unit 5 -10)	28191.4427200	21143.5820400	38.11%	4228.7164080	16914.8656320	61.378%	62.441%	4228.71641	16914.86563	21143.58204	0.0000000	1296.03798	-1296.03798
	TOTAL THERMAL	979703.1011900	724929.6259200		144985.9251785	579943.7007140			127921.16391	506505.98105	634427.14497	90502.48095	87254.73368	3247.74727
													(E & OE)	3247.74727
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				
Bill No. 165/ 2024		Bill Date: 01-03-2025				Due date: 30-03-2025		
Energy Bill of MAHAGENCO for the Month of Feb-2025 [From 01-02-2025 (00.00 Hrs) to 28-02-2025 (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)	Approved Monthly Fixed Charges (Rs. In Lakhs)	Actual PAFM for the month	Monthly AFC as per actual PAFM	BILL AMOUNT (Rs. Lakhs)
a	b	c	d	e = (c*d)*10	f	g	h	i = e + h
KOYNA HPS								
1	KGSC Stage I &II	60.300398	0.229	138.087911	183.08522	93.33	190.607400	328.69531
2	KGSC Stage III	45.843040	0.229	104.980562	97.64545	84.82	92.386240	197.36680
3	KGSC Stage IV	148.173868	0.229	339.318158	305.14203	100.00	340.370360	679.68852
4	KDPH	22.828890	0.229	52.278158	10.98511	100.00	12.253330	64.53149
5	Total KGSC	277.146196		634.664789	596.85781		635.617330	1270.28212
BHIRA TR HPS								
6	Bhira HPS U # 1 & 2	3.571703	0.554	19.787235	32.115210	50.284289	17.943230	37.73046
7	Bhira Total	3.571703		19.787235	32.115210	50.28	17.943230	37.73046
TILLARI HPS								
8	Tillari HPS U # 1	9.234520	0.812	74.984302	70.903690	100.00	78.781880	153.76618
9	Tillari Total	9.234520		74.984302	70.903690	100.00	78.781880	153.76618
10	Total for High Capacity Hydro P.S.	289.952419		729.436326	699.87671		732.34244	1461.77877
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 HPS	4.742361	0.00000	0.00000	147.28152			147.28152
12	Ghatghar PSS	11.619470	0.00000	0.00000	613.67301			613.67301
13	Total Mahagenco's Hydro (Including Ghatghar PSS)	306.314250						2222.73330
III. BILLSUMMARY								
14	TOTAL ENERGY BILL AMOUNT IN RS. CR. FOR MSPGCL'S LARGE HYDRO STATIONS FOR THE MONTH OF February-2025						22.2273330	
Total Energy Bill Amount for MSPGCL's Large Hydro Power Stations is Rs. 22.227333 Cr. in words (Rupees Twenty Two Crore Twenty Two Lakh Seventy Three Thousand Three Hundred Thirty and Paise Zero Only) (E & OE).								

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.	167/2024	Bill Date:	01-03-2025	Due date	30-03-2025
Energy Bill of MAHAGENCO for the Month of Feb-2025 [From 01-02-2025 (00.00 Hrs) to 28-02-2025 (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	3.483774	55.23057104	
2	Paithan	1 X 12	-0.003015	29.45630455	
VAITARNA DIVISION					
4	Vaitarna Dam Toe	1 X 1.5	-0.001718	3.682038069	
5	Bhatsa	1 X 15	9.284321	36.82038069	
6	Surya	1 X 6	2.491221	14.72815228	
BHATGHAR DIVISION					
8	Bhatghar	1X 16	8.613050	39.27507274	
9	Kanher	1 X 4	0.811800	9.818768185	
10	Dhom	2 X 1	0.506925	4.909384092	
11	Ujjani	1 X 12	3.405666	29.45630455	
12	Warana	2 X 8	5.611423	39.27507274	
PANSHET DIVISION					
13	Panshet	1 X 8	1.694681	19.63753637	
14	Varasgaon	1 X 8	3.255798	19.63753637	
15	Pawana	1 X 10	1.528549	24.54692046	
16	Manikdoh	1 X 6	0.977415	14.72815228	
17	Dimbhe	1 X 5	0.449408	12.27346023	
BHIRA DIVISION					
18	Dudhganga	2 X 12	7.119085	58.91260911	
19	Terwanmedhe	1 X 0.2	0.001300	0.49093841	
20	Radhanagari	4 X 1.2	-0.000228	11.78252182	
TOTAL			49.2294550	424.66172	
III. BILL SUMMARY					
21	TOTAL ENERGY BILL IN RS CRORE AMOUNT FOR MAHAGENCO'S SMALL HYDRO STATIONS FOR THE MONTH OF			Feb-25	4.2466172
Amount in words (Rupees Four Crore Twenty Four Lakh Sixty Six Thousand One Hundred Seventy Two and Paise Zero Only)					
Chief Engineer (RCD)					



MAHARASHTRA STATE POWER GENERATION CO. LTD.

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Prakashgad, 3rd Floor,

Bandra (East) , Mumbai 400051

INVOICE (HYDRO-LEASE)

To,

Chief Engineer (Power Purchase)

MSEDCL, 5th Floor, Prakashgad

Bandra (East), Mumbai 400051

Payment Information

Customer No.

Bill Doc. No.

Billing Date

10000

166/ 2024

01-03-2025

Condition

Payment Due Date : 30-03-2025

Bill for Large Hydro Power stations' Lease Rent for the month of

Feb-25

Sr. No.	Power Station	Yearly Lease (Rs. Cr)	Lease Amount for the Month (Rs.)
1	Koyna Stage I & II	10.030	8358333.33
2	Koyna Stage III	0.000	Nil
3	Koyna Stage IV	240.240	200200000.00
4	Koyna Dam Foot PH	0.000	Nil
5	Bhira	0.000	Nil
6	TILLARI	0.000	Nil
7	VAITARNA	0.000	Nil
8	GHATGHAR	171.950	143291666.67
Total in Rs.		422.220	351850000.00
GST on lease rent 18%		75.9996	63333000.00
TOTAL Lease Rent Bill Amt in Rs. Cr.		498.220	41.5183

Invoice Amount towards Lease Rent of MAHAGENCO's Large Hydro Power Stations is Rs. 41.5183 Cr. in words (Rupees Forty One Crore Fifty One Lakh Eighty Three Thousand and Paise Zero Only) (E & OE).

Note:-

Lease rent as approved by MERC (Orders in Case no. 5 of 2012 dated 27-04-2012 and Case no. 2 of 2012 dated 27-12-2012 and Case no 227 of 2022) and PPA dated 01.04.2009

Chief Engineer (RCD)

MAHAGENCO



MAHARASHTRA STATE POWER GENERATION CO. LTD.

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Prakashgad, 3rd Floor,

Bandra (East) , Mumbai 400051

INVOICE (HYDRO-LEASE)

To,

Chief Engineer (Power Purchase)

MSEDCL, 5th Floor, Prakashgad

Bandra (East), Mumbai 400051

Payment Information

Customer No. 10035

Bill Doc. No. 168/ 2024

Billing Date 01-03-2025

Condition

Payment Due Date : 30-03-2025

Bill for Small Hydro Power stations' Lease Rent for the month of Feb-25

Sr. No.	Power Station	Lease Amount Rs.
1	BHATGHAR	Nil
2	BHATSA	-3891666.67
3	DHOM	-6883333.33
4	DIMBHE	2783333.33
5	DUDHGANGA	9733333.33
6	KANHER	-6033333.33
7	MANIKDOH	3525000.00
8	PAITHAN	Nil
9	PANSHET & VARASGAON	-1675000.00
10	PAWNA	0.00
11	RADHANAGARI	Nil
12	SURYA	4775000.00
13	TERWANMEDHE	400000.00
14	UJANI	8666666.67
15	VAITARNA DT	Nil
16	WARNA	6475000.00
17	YELDARI	Nil
Total in Rs.		17875000.00
GST on lease rent 18%		3217500.00
TOTAL Lease Rent Bill Amt in Rs. Cr.		2.10925000

Invoice Amount in Words towards Lease Rent of MAHAGENCO's Small Hydro Power Stations is Rs. 2.1092500 Crore. In words (Rupees Two Crore Ten Lakhs Ninety Two Thousand Five Hundred Only.) (E & OE)

Note:-

Lease rent as approved by MERC (Orders in Case no. 5 of 2012 dated 27-04-2012 and Case no. 2 of 2012 dated 27-12-2012 and Case no 227 of 2022) and PPA dated 01.04.2009

Chief Engineer (RCD)
MAHAGENCO

MAHARASHTRA STATE POWER GENERATION CO. LTD.

PH: 26472211, 26472131
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Email: rcgen@mahagenco.in

Regulatory & Commercial Dept.
Prakashgad, 3rd Floor,
Bandra (E) Mumbai 400 051

Bill No	174/2024	Date:	12-03-2025	Due date:	10-04-2025
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Provisional Part-I Fuel Surcharge Adjustment bill for the Month of February-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)	4.461	5.191		0.730	85.248343	622.31290
2	BHUSAWAL (Unit 4-5)	3.746	4.396		0.650	479.041687	3113.77097
3	BHUSAWAL (Unit 6)	3.458	3.498		0.040	82.987923	33.19517
4	KHAPARKHEDA (Unit 1- 4)	4.218	3.901	3.941	-0.277	360.838947	-999.52388
5	KHAPARKHEDA (Unit 5)	4.019	2.909		-1.110	224.259430	-2489.27967
6	NASHIK (Unit 3-5)	4.641	5.820		1.179	198.718172	2342.88725
7	CHANDRAPUR (Unit 3-7)	4.097	4.007		-0.090	652.426723	-587.18405
8	CHANDRAPUR (Unit- 8 & 9)	3.442	3.987		0.545	285.522785	1556.09918
9	PARAS (Unit 3- 4)	3.510	3.687		0.177	258.879098	458.21600
10	PARALI (UNIT 6-7)	5.096	5.054		-0.042	211.788408	-88.95113
11	PARALI (UNIT 8)	5.052	5.075		0.023	97.038048	22.31875
12	KORADI (Unit 6)	3.368	3.567	3.628	0.260	100.342300	260.88998
13	KORADI (Unit-8,9 & 10)	3.119	3.278		0.159	914.301616	1453.73957
14	GTPS URAN (Combine cycle)	6.760	5.398		-1.362	180.383250	-2456.81987
15	GTPS URAN (Open cycle)	6.760	7.529		0.769	4.527750	34.81840
TOTAL MSPGCL FAC BILL						4136.304480	3276.48957

The provisional Part-I Fuel Surcharge Adjustment Bill for MSPGCL stations to MSEDCL for the month of Feb-25 is Rs.32,76,48,957/- (in words, Rs. Thirty Two Crore Seventy Six Lakh Forty Eight Thousand Nine Hundred Fifty Seven Only)

Chief Engineer,
Regulatory & Commercial Dept.

F10 - ECR calculation for February-2025

combined cycle	Open cycle
GT5 & GT6	GT5 & GT6

S. No.	Particulars	Units	Bhusawal	Bhusawal	Bhusawal 4 & 5	Bhusawal 4 & 5	Bhusawal 6	Bhusawal 6	Khaparkhedha - T O 4	Khaparkhedha - T O 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	
1.1	Total Capacity	MW	210	210	1000	1000	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	210	1980	1980	672	672	672	672	
1.2	Availability	%	93.15%	93.15%	91.33%	91.33%	81.58%	81.58%	71.70%	71.70%	71.02%	71.02%	87.27%	87.27%	59.40%	59.40%	45.06%	45.06%	86.53%	86.53%	94.27%	94.27%	84.88%	84.88%	80.58%	80.58%	73.37%	73.37%	63.26%	63.26%	63.26%	63.26%	
1.3	PLF	%	63.49%	63.49%	71.87%	71.87%	80.44%	80.44%	70.35%	70.35%	71.00%	71.00%	55.99%	55.99%	63.68%	63.68%	44.86%	44.86%	84.25%	84.25%	66.19%	66.19%	60.61%	60.61%	79.33%	79.33%	72.90%	72.90%	42.24%	42.24%	42.24%	42.24%	
1.40	Grand Generation	MU	95.23	95.23	484.48	484.48	89.38	89.38	404.85	404.85	239.15	239.15	237.03	237.03	698.25	698.25	296.86	296.86	279.94	279.94	223.79	223.79	107.83	107.83	112.54	112.54	972.48	972.48	184.65	184.65	4.34	4.34	
1.50	Auxiliary Consumption excluding FGD	%	13.15%	10.96%	6.73%	6.00%	8.72%	5.75%	11.28%	9.70%	6.73%	6.00%	12.24%	10.75%	10.37%	9.30%	5.32%	6.00%	10.25%	9.30%	12.00%	9.30%	12.62%	8.50%	11.57%	10.81%	6.50%	6.00%	2.81%	3.10%	0.64%	1.00%	
1.60	Auxiliary Consumption excluding FGD	MU	12.53	10.44	32.61	29.07	7.79	5.14	45.65	39.27	16.09	14.35	29.01	25.48	72.40	54.46	15.80	17.81	28.69	26.03	26.86	20.81	13.61	9.17	13.02	12.17	63.19	58.35	5.18	5.72	0.03	0.04	
1.70	Auxiliary Consumption for FGD	%	0.00%	1.00%	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.00%	1.00%	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	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	
1.90	Total Auxiliary Consumption	%	13.15%	10.96%	6.73%	6.00%	8.72%	5.75%	11.29%	9.72%	6.73%	6.00%	12.24%	10.75%	10.37%	9.30%	5.32%	7.00%	10.25%	9.30%	12.00%	9.30%	12.62%	9.50%	11.60%	10.84%	6.50%	6.00%	2.81%	3.10%	0.64%	1.00%	
1.10	Total Auxiliary Consumption (= 1.6 + 1.8)	MU	12.53	10.44	32.61	29.07	7.79	5.14	45.72	39.34	16.09	14.35	29.01	25.48	72.40	54.46	15.80	20.78	28.687402	26.03	26.86	20.81	13.61	9.17	13.06	12.20	63.19	58.35	5.18	5.72	0.028	0.043	
1.11	Net Generation (= 1.4 - 1.10)	MU	62.70	84.79	451.87	455.41	81.59	84.24	399.12	365.51	223.05	224.80	208.021674	211.55	625.85	643.79	276.08	251.251598	253.90	196.93	98.66	94.22	98.66	99.488	100.35	909.29	914.13	179.469445	178.92	4.31	4.299		
1.12	Heat Rate	kcal/kWh	2781.72	2787.00	2558.18	2375.00	2139.00	2014.48	2030.00	2067.43	2375.00	2062.61	2754.00	2705.23	2370.51	2275.00	2442.19	2430.00	2495.33	2430.00	2485.97	2430.00	2432.07	2350.00	2321.59	2230.00	2098.97	2035.00	3203.17	2900.00			
1.13	Secondary Fuel Oil Consumption	ml/kWh	0.14	1.40	0.09	0.50	2.51	0.50	1.07	1.20	1.62	0.50	2.08	1.00	2.95	1.00	0.08	0.50	1.19	0.50	0.92	0.50	0.92	0.50	0.00	2.81	0.87	0.50					
1.14	Transit Loss for Domestic Coal	%	0.982%	0.800%	0.987%	0.800%	1.340%	0.800%	2.256%	0.800%	2.255%	0.800%	0.977%	0.800%	0.163%	0.800%	0.00%	0.151%	0.800%	0.553%	0.800%	0.528%	0.800%	0.912%	0.800%	0.999%	0.800%						
1.15	Transit Loss for washed Coal	%	0%						0.00%	80%	0.00%				0%		0.00%	0.00%			0%		0.73%	0%			0%						
	SHR coal component		2780.38	2773.27	2557.29	2370.10	2277.37	2134.10	2804.15	2618.47	2651.87	2370.20	2942.78	2744.46	2677.39	2678.55	2369.78	2370.28	2431.01	2425.29	2486.60	2425.27	2477.25	2425.27	2432.07	2323.30	2313.32	2225.25					
2	Fuel parameters (for each primary and secondary fuel)																																
2.1	Calorific Value																																
2.1.1	Domestic Coal (As Billed)	kcal/kg	3909.00	3909	3896	3996	4663.00	4063	3864	3864	3864	3864	3908	3908	3941	3941	4009	4009	3970.00	3970.00	3625	3625	3619	3619.00	3709.00	3709.00	4127.00	4127.00	8734	8734	8738	8738	
2.1.2	Imported Coal (As Billed)	kcal/kg	4601.00	4601	4603	4603	4600.00	4600	4675	4675	4675	4675	4611	4611	4683	4683	4681	4681	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	0.00	0.00	0.00	0.00	3371.00	3371.00	3371.00	3371.00	0.00	0.00	0	0	0.00	3364.00	3364.00	0.00	0.00	0.00	0.00	0.00	0.00	3275.00	3275.00	3688.00	3688.00				
	Domestic Coal (As Received)- Actual	kcal/kg	3249.00	3249.00	3196.00	3196.00	3210.00	3210.00	3185.00	3185.00	3185.00	3185.00	3261.00	3261.00	3299.00	3299.00	3447.00	3447.00	3442.00	3442.00	3150.00	3150.00	3150.00	3150.00	3058.00	3058.00	3405.00	3405.00					
	GCV loss between loading end and unloading end-Domestic Actual	kcal/kg	660.00	660.00	700.00	700.00	853.00	853.00	679.00	679.00	679.00	679.00	647.00	647.00	642.00	642.00	562.00	562.00	528.00	528.00	475.00	475.00	469.00	469.00	651.00	651.00	722.00	722.00					
	GCV loss between loading end and unloading end as per directions in MERC Order in Case No.227 of 2022	kcal/kg	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	
	GCV loss between loading end and unloading end as per directions in MERC Order in Case No.227 of 2022	kcal/kg	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	647.00	647.00	642.00	642.00	562.00	562.00	475.00	475.00	469.00	469.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	
	Domestic Coal As received GCV for FAC computation	kcal/kg	3259.00	3259.00	3246.00	3246.00	3413.00	3413.00	3214.00	3214.00	3214.00	3214.00	3261.00	3261.00	3299.00	3299.00	3447.00	3447.00	3442.00	3442.00	3150.00	3150.00	3150.00	3150.00	3059.00	3059.00	3477.00	3477.00					
	Wash Coal (As Received)	kcal/kg	0.00	0.00	0.00	0.00	0.00	0.00	3393.00	3393.00	3393.00	3393.00	0.00	0.00	0.00	0.00	3794.00	3794.00	0.00	0.00	0.00	0.00	0.00	0.00	2980.00	2980.00	3445.00	3445.00					
	GCV loss between loading end and unloading end-Wash Coal Actual	kcal/kg	0.00	0.00	0.00	0.00	0.00	0.00	-22.00	-22.00	-22.00	-22.00	0.00	0.00	0.00	0.00	-430.00	-430.00	0.00	0.00	0.00	0.00	0.00	0.00	295.00	295.00	243.00	243.00					
	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	0.00	0.00	0.00	0.00	-22.00	-22.00	-22.00	-22.00	0.00	0.00	0.00	0.00	-430.00	-430.00	0.00	0.00	0.00	0.00	0.00	0.00	295.00	295.00	243.00	243.00					
	Wash Coal As received GCV for FAC computation	kcal/kg	0.00	0.00	0.00	0.00	0.00	0.00	3393.00	3393.00	3393.00	3393.00	0.00	0.00	0.00	0.00	3794.00	3794.00	0.00	0.00	0.00	0.00	0.00	0.00	2980.00	2980.00	3445.00	3445.00					
2.1.4	Imported Coal (As Received)	kcal/kg	4601	4601	4603	4603	4600	4600	4675	4675	4675	4675	4611	4611	4683	4683	4681	4681	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Weighted avg. received GCV Raw coal + Washed coal - Actual	kcal/kg	3249.00	3249.00	3196.00	3196.00	3210.00	3210.00	3185.00	3185.00	3185.00	3185.00	3261.00	3261.00	3299.00	3299.00	3447.16	3447.16	3442.00	3442.00	3150.00	3150.00	3150.00	3150.00	3041.93	3041.93	3434.18	3434.18					
	Weighted avg. received GCV Imported Coal - Actual	kcal/kg	4601.00	4601.00	4603.00	4603.00	4600.00	4600.00	4675.00	4675.00	4675.00	4675.00	4611.00	4611.00	4683.00	4683.00	4681.00	4681.00	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
	Weighted Avg Raw & Wash Coal for FAC Computations	kcal/kg	3259.00	3259.00	3246.00	3246.00	3413.00	3413.00	3214.00	3214.00	3214.00	3214.00	3261.00	3261.00	3299.00	3299.00	3447.16	3447.16	3442.00	3442.00	3150.00	3150.00	3150.00	3150.00	3042.73	3042.73	3433.66	3433.66					
	Weighted Avg Imported Coal for FAC Computations	kcal/kg	4601.00	4601.00	4603.00	4603.00	4600.00	4600.00	4675.00	4675.00	4675.00	4675.00	4611.00	4611.00	4683.00	4683.00	4681.00	4681.00	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
2.1.5	L.D.O	kcal/kg	11267.00	11267.00	11267.00	11267.00	11267.00	11267.00	10677.00	10677.00	10677.00	10677.00	10649.00	10649.00	10521.00	10521.00	10521.00	10521.00	10795.00	10795.00	10421.00	10421.00	10421.00	10421.00	10774.00	10774.00	10774.00	10774.00					
2.1.6	F.O	kcal/kg	10564.00	10564.00	10564.00	10564.00	10564.00	10564.00	10432.00	10432.00	10432.00	10432.00																					