

DISCOM WISE MOD STACK OF VARIABLE CHARGES (VC) FOR JULY-2024 (R0)

(*Effective from 16.07.2024 to 15.08.2024)

Sr. no.	Generating Station	OWNER/TY PE	Installed Capacity/ Share in ISGS (MW)	Type of Fuel	Variable Charge Rs./KWh in Descending Order		
					Approved Variable Charge(Rs/KWh)	Impact for approved change in law (If any) Rs./KWh	Total Variable Charge(Rs/ KWh)
1	2	3	4	5	6	7	8
	DECENTRALISED MOD STACK FOR MSEDCL						
1	KAWAS (LIQ)	CS	-	Gas	25.0707	0.0000	25.0707
2	KAWAS (NAPM-COM GAS)	CS	-	Gas	11.4425	0.0000	11.4425
3	KAWAS (RLNG)	CS	-	Gas	11.3513	0.0000	11.3513
4	JGPS (RLNG)	CS	-	Gas	11.2819	0.0000	11.2819
5	GANDHAR (NAPM-COM GAS)	CS		Gas	11.1182	0.0000	11.1182
6	Uran GTPS (Open cycle operation)	MSPGCL	-	Gas	7.2820	0.0000	7.2820
7	KAWAS (APM GAS)	CS	200	Gas	5.9253	0.0000	5.9253
8	GANDHAR (APM GAS)	CS	204	Gas	5.8942	0.0000	5.8942
9	Uran GTPS (Combined cycle operation)	MSPGCL	840	Gas	5.2190	0.0000	5.2190
10	Nasik Unit - 03 to 05	MSPGCL	630	Coal	5.1170	0.0000	5.1170
11	Parali Unit -08	MSPGCL	250	Coal	5.0310	0.0000	5.0310
12	Parali Unit - 06 & 07	MSPGCL	500	Coal	4.9550	0.0000	4.9550
13	Bhusawal Unit - 03	MSPGCL	210	Coal	4.8790	0.0000	4.8790
14	Solapur STPS	CS	642	Coal	4.4761	0.0000	4.4761
15	Chandrapur Unit - 03 to 07	MSPGCL	1920	Coal	4.2450	0.0000	4.2450
16	Khargone	CS	85	Coal	4.1231	0.0000	4.1231
17	Bhusawal Unit - 04 & 05	MSPGCL	1000	Coal	4.0960	0.0000	4.0960
18	APML, Unit 2 & 3 (1320 MW PPA)	IPP	1320	Coal	1.7040	2.2129	3.9169
19	Paras Unit - 03 & 04	MSPGCL	500	Coal	3.9050	0.0000	3.9050
20	JSW U1, Jaigad	IPP	300	Coal	3.8900	0.0000	3.8900
21	CGPL	CS	760	Coal	3.8683	0.0000	3.8683
22	Khaperkheda Unit - 01 to 04	MSPGCL	840	Coal	3.6990	0.0000	3.6990
23	Chandrapur Unit - 08,09	MSPGCL	1000	Coal	3.6100	0.0000	3.6100
24	APML U-1,4 &5 (440 MW PPA)	IPP	440	Coal	2.4068	1.1546	3.5614
25	IEPL TO MSEDCL	STOA	180	Coal	3.5070	0.0000	3.5070
26	APML, Unit 1,4 & 5 (1200 MW PPA)	IPP	1200	Coal	2.3468	1.1546	3.5014
27	APML, Unit 1,4 & 5 (125 MW PPA)	IPP	125	Coal	2.3468	1.1546	3.5014
28	MSTPS-I	CS	394	Coal	3.4671	0.0000	3.4671
29	MSTPS-II	CS	531	Coal	3.4402	0.0000	3.4402
30	Gadarwara	CS	46	Coal	3.4367	0.0000	3.4367
31	Khaperkheda Unit - 05	MSPGCL	500	Coal	3.1850	0.0000	3.1850
32	Koradi Unit - 08 to 10	MSPGCL	1980	Coal	3.1240	0.0000	3.1240
33	Koradi Unit - 06	MSPGCL	210	Coal	3.0640	0.0000	3.0640
34	SWPGPL TO MSEDCL	LTOA	240	Coal	2.5268	0.4199	2.9467
35	RattanIndia Power Ltd, Amravati	IPP	1200	Coal	2.3785	0.5266	2.9051
36	EMCO	CS	200	Coal	2.7596	0.0000	2.7596
37	KHTPS-II	CS	148	Coal	2.4167	0.0000	2.4167
38	VSTP-I	CS	432	Coal	1.9103	0.0000	1.9103
39	VSTPS-V	CS	161	Coal	1.8335	0.0000	1.8335
40	VSTP-II	CS	336	Coal	1.8038	0.0000	1.8038
41	VSTPS-III	CS	275	Coal	1.7810	0.0000	1.7810
42	VSTP-IV	CS	294	Coal	1.7628	0.0000	1.7628
43	SSTPS-II	CS	274	Coal	1.7525	0.0000	1.7525
44	SSTPS-I	CS	556	Coal	1.7056	0.0000	1.7056
45	KSTPS I AND II	CS	635	Coal	1.6643	0.0000	1.6643
46	KSTPS-III	CS	120	Coal	1.6137	0.0000	1.6137
47	Lara	CS	114	Coal	1.5964	0.0000	1.5964
	DECENTRALISED MOD STACK FOR AEML						
1	ADTPS U-1 & 2	DTPS	500	Coal	4.1521	0.0000	4.1521
	DECCENTRALISED MOD STACK FOR TPCL-D						
1	TPC U-7 (RLNG)-NAPM	TATA	xxx	Gas	11.5890	0.0000	11.5890
2	TPC U-5	TATA	500	Coal/Oil/Gas	5.8680	0.0000	5.8680
3	TPC U-8	TATA	250	Coal	5.7480	0.0000	5.7480
4	TPC U-7 (APM) *	TATA	180	Gas	5.0500	0.0000	5.0500
	DECENTRALISED MOD STACK FOR BEST						
1	TPC U-7 (RLNG)	TATA	xxx	Gas	11.5890	0.0000	11.5890
2	TPC U-5	TATA	500	Coal/Oil/Gas	5.8680	0.0000	5.8680
3	TPC U-8	TATA	250	Coal	5.7480	0.0000	5.7480
4	TPC U-7 (APM) *	TATA	180	Gas	5.0500	0.0000	5.0500
5	SWPGL TO BEST	MTOA	100	Coal	2.2700	0.0000	2.2700
NOTE-							

1) Prepared as per Clause 33 of State Grid Code Regulation 2020 issued by Hon'ble MERC dtd. 2nd sept 2020 .

2) "R0 updated on mahasdc.in website on dated 15.07.2024

3) Actual rates of NTPC Kawas and Gandhar are displayed on WRDLC web-site daily.

4) Hydro generation is not considered for MOD.

5) Gas and RE and Nuclear Generation is considered as MUST RUN except TPCU-7 RLNG.

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: 035/2024

Bill Date: 01-07-2024

Due date: 30-07-2024

Energy Bill of MAHAGENCO for the Month of June-2024 (From 01.06.2023 (00.00Hrs) to 30.06.2023(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)	53.280053	4.461	2376.82316	1481.92677	3858.74993	-4.30175	1486.22852	3863.05168
2	BHUSAWAL (Unit 4-5)	411.0634390	3.746	15398.43642	8713.29190	24111.72832	1545.613330	7167.67857	22566.11499
3	KHAPARKHEDA (Unit 1- 4)	395.4736280	4.218	16681.07763	5344.75006	22025.82769	-214.14464	5558.89470	22239.97233
4	KHAPARKHEDA U # 5	301.3757320	4.019	12112.29067	4822.59231	16934.88298	0.00000	4822.59231	16934.88298
5	NASHIK (Unit 3-5)	183.8142110	4.641	8530.81753	4104.28997	12635.10750	0.00000	4104.28997	12635.10750
6	CHANDRAPUR (Unit 3-7)	800.8704910	4.097	32811.66402	9452.65463	42264.31865	-1144.30977	10596.96440	43408.62842
7	CHANDRAPUR (Unit- 8 & 9)	495.0914090	3.442	17041.04630	10235.54230	27276.58860	589.36743	9646.17487	26687.22117
8	PARAS (Unit 3- 4)	170.1418550	3.510	5971.97911	4688.60884	10660.58795	1428.61419	3259.99465	9231.97376
9	PARLI (Unit 6- 7)	118.3976400	5.096	6033.54373	4018.80666	10052.35039	0.00000	4018.80666	10052.35039
10	PARLI (Unit 8)	57.7331880	5.052	2916.68066	3205.51204	6122.19270	0.00000	3205.51204	6122.19270
11	KORADI (Unit 6)	110.5037130	3.368	3721.76505	2568.81829	6290.58334	0.00000	2568.81829	6290.58334
12	KORADI (Unit- 8,9 & 10)	1036.7841400	3.119	32337.29733	16420.98683	48758.28416	-1960.16824	18381.15507	50718.45240
13	GTPS URAN (Unit 5 -10)	191.3647470	6.760	12936.25690	1062.58224	13998.83914	-1296.03798	2358.62022	15294.87712
	TOTAL THERMAL	4325.894246		168869.67851	76120.36284	244990.04135	-1055.36743	77175.73027	246045.40878

ENERGY BILL FOR SUPPLY OF ENERGY FROM MAHAGENCO's THERMAL & GAS POWER STATIONS TO MAHAVITARAN FOR THE MONTH OF June 2024

246045.40878

Bill amount in words Rs. Two Thousand Four Hundred Sixty Crore Fourty Five Lakhs Fourty Thousand Eight Hundred Seventy Eight 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 Cummulative AVF Based AFC Disallowance upto June 2024														
Month : Jun-24														
Season : Low Demand Season														
Month no. in the season: 1														
SR. NO.	POWER STATION	Approved Annual Fixed Charge for target AVF (Rs.in Lakhs)	AFC upto First month of low 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 Cummulative AVF upto June 2024 (%)	Actual off-peak period Cummulative AVF upto June 2024 (%)	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 June 2024(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	1392.3951800	80.00%	278.4790367	1113.9161467	91.507%	87.011%	278.47904	1113.91615	1392.39518	0.0000000	4.30175	-4.30175
2	BHUSAWAL (Unit 4-5)	104245.5028200	8687.1252400	85.00%	1737.4250470	6949.7001880	71.068%	69.579%	1452.65086	5688.86105	7141.51191	1545.6133300	0.00000	1545.61333
3	KHAPARKHEDA (Unit 1- 4)	66203.0239700	5516.9186600	85.00%	1103.3837328	4413.5349313	80.122%	77.384%	1040.06249	4018.08220	5058.14469	458.7739700	672.91861	-214.14464
4	KHAPARKHEDA U # 5	54285.1077700	4523.7589800	85.00%	904.7517962	3619.0071847	92.475%	91.487%	904.75180	3619.00718	4523.75898	0.0000000	0.00000	0.00000
5	NASHIK (Unit 3-5)	47893.4796700	3991.1233100	80.00%	798.2246612	3192.8986447	86.097%	85.272%	798.22466	3192.89864	3991.12331	0.0000000	0.00000	0.00000
6	CHANDRAPUR (Unit 3-7)	132275.9359000	11022.9946600	80.00%	2204.5989317	8818.3957267	79.011%	75.553%	2177.34458	8328.20315	10505.54773	517.4469300	1661.75670	-1144.30977
7	CHANDRAPUR (Unit- 8 & 9)	122255.5075700	10187.9589600	85.00%	2037.5917928	8150.3671713	81.774%	79.660%	1960.25919	7638.33234	9598.59153	589.3674300	0.00000	589.36743
8	PARAS (Unit 3- 4)	56701.9392600	4725.1616100	85.00%	945.0323210	3780.1292840	58.909%	57.775%	654.95187	2569.37611	3224.32798	1500.8336300	72.21944	1428.61419
9	PARALI (UNIT 6-7)	46863.6799600	3905.3066600	85.00%	781.0613327	3124.2453307	95.813%	93.789%	781.06133	3124.24533	3905.30666	0.0000000	0.00000	0.00000
10	PARALI (UNIT 8)	37621.1444600	3135.0953700	85.00%	627.0190743	2508.0762973	98.082%	96.572%	627.01907	2508.07630	3135.09537	0.0000000	0.00000	0.00000
11	KORADI (Unit 6)	26952.8195200	2246.0682900	72.00%	449.2136587	1796.8546347	84.223%	84.978%	449.21366	1796.85463	2246.06829	0.0000000	0.00000	0.00000
12	KORADI (Unit- 8, 9 & 10)	223955.7753700	18662.9812800	85.00%	3732.5962562	14930.3850247	80.715%	80.586%	3544.42949	14155.05891	17699.48840	963.4928800	2923.66112	-1960.16824
13	GTPS URAN (Unit 5 -10)	28191.4427200	2349.2868900	38.11%	469.8573787	1879.4295147	53.471%	54.641%	469.85738	1879.42951	2349.28689	0.0000000	1296.03798	-1296.03798
	TOTAL THERMAL	964154.1011900	80346.1750900		16069.2350198	64276.9400793			15138.30542	59632.34152	74770.64692	5575.52817	6630.89560	-1055.36743
													(E & OE)	-1055.36743
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. 036/ 2024		Bill Date: 01-07-2024				Due date: 30-07-2024		
Energy Bill of MAHAGENCO for the Month of Jun-2024 [From 01-06-2024 (00.00 Hrs) to 30-06-2024 (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	73.029131	0.229	167.236710	183.08522	94.17	192.309260	359.54597
2	KGSC Stage III	31.780200	0.229	72.776658	97.64545	85.00	92.580740	165.35740
3	KGSC Stage IV	44.722760	0.229	102.415120	305.14203	100.00	340.370360	442.78548
4	KDPH	2.943910	0.229	6.741554	10.98511	100.00	12.253330	18.99488
5	Total KGSC	152.476001		349.170042	596.85781		637.513690	986.68373
BHIRA TR HPS								
6	Bhira HPS U # 1 & 2	5.595848	0.554	31.000998	32.115210	28.30	10.100020	41.10102
7	Bhira Total	5.595848		31.000998	32.115210	28.30	10.100020	41.10102
TILLARI HPS								
8	Tillari HPS U # 1	-0.007895	0.812	-0.064107	70.903690	0.00	0.000000	-0.06411
9	Tillari Total	-0.007895		-0.064107	70.903690	0.00	0.000000	-0.06411
10	Total for High Capacity Hydro P.S.	158.063954		380.106933	699.87671		647.61371	1027.72064
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	21.424674	0.00000	0.00000	147.28152			147.28152
12	Ghatghar PSS	6.292720	0.00000	0.00000	613.67301			613.67301
13	Total Mahagenco's Hydro (Including Ghatghar PSS)	185.781348						1788.67517
III. BILL SUMMARY								
14	TOTAL ENERGY BILL AMOUNT IN RS. CR. FOR MSPGCL'S LARGE HYDRO STATIONS FOR THE MONTH OF						June-2024	17.8867517
Total Energy Bill Amount for MSPGCL's Large Hydro Power Stations is Rs. 17.8867517 Cr. in words Rs. Seventeen Crore Eighty Eight Lakh Sixty Seven Thousand Five Hundred Seventeen Only (E & OE).								
Chief Engineer (Regulatory & Commercial Dept.)								

Ref No: RCD24/45-A/LT0864

Date: 01-07-2024

To,
The Chief Engineer (Power Purchase)/ (RE)
Maharashtra State Electricity Distribution Company,
5th floor, Prakashgad, Bandra (E),
Mumbai, Maharashtra - 400051

Sub. : Provisional Energy Bill for supply of Power from Mahagenco's Small Hydro Power Stations to MAHAVITARAN for the month of June 2024

Ref: 1) Power Purchase Agreement between MSPGCL & MSEDCL, dated 01.04.2009
2) Jointly signed meter readings
3) MERC order in Case No. 227 of 2022 dated 31st Mar 2023
4) CE/PP/MSEDCL/SHP/MSPGCL/30372 dated 14.12.2021
5) MSPGCL's letter no. Ref No: RCD23/45-L / LT01275 Dated 03.11.2023

Dear Sir,

Please find attached herewith the monthly energy bill for the Month of June 2024, Bill No. (038/2024) for supply of Power from for MSPGCL's Small Hydro Power Stations to MSEDCL.

#NAME?

This bill is raised as per the clean working model for Tariff order passed by MERC on Case No. 227 of 2022, vide ref.3. As per letter under ref.4, CE(PP) MSEDCL has requested to raise small hydro bills on CE(RE). However, it is worth to mention that, as CE(RE) accepts bill via Central renewable billing portal only and do not recognize submission by email or hard copy. We have raised taken up this issue through various correspondence and meeting with CE(RE). Therefore, MSPGCL is raising this bill as per prevailing practice. Once the concerns raised by MSPGCL are sorted out regarding raising small hydro bills on Central renewable billing portal of MSEDCL. MSPGCL, vide letter under ref.5, has suitably established that the due date of energy bill will be 30 days only. Hence the due date of this energy bill is 30 days.

This bill is subject to amendments/ revision based on orders that may be passed by MERC /APTEL or reason of any subsequent development at later stage. (E&OE)

It is requested to issue necessary directives for the payment of the above.

Thanking you,

Regards,

Encl	Bill No. 038/2024
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**Chief Engineer (RCD),
MSPGCL**



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.

10000

Bill Doc. No.

037/ 2024

Billing Date

01-07-2024

Condition

Payment Due Date : 30-07-2024

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

Jun-24

Sr. No.	Power Station	Yearly (Rs. Cr)	Lease Amount 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

#NAME?

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,

Email – rcgen@mahagenco.in

Bandra (East) , Mumbai 400051

INVOICE (HYDRO-LEASE)

To,

Payment Information

Chief Engineer (Power Purchase)

Customer No. 10035

MSEDCL, 5th Floor, Prakashgad

Bill Doc. No. 039/ 2024

Bandra (East), Mumbai 400051

Billing Date 01-07-2024

Condition

Payment Due Date : 30-07-2024

Bill for Small Hydro Power stations' Lease Rent for the month of Jun-24

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	PANSKET & 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.		2.109250000

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

S.No.	Particulars	Units	Bhawal	Bhawal	Bhawal 4 & 5	Bhawal 4 & 5	Khoperkhed 3 10 & 4	Khoperkhed 3 10 & 4	Khoperkhed 3 10 & 4	Khoperkhed 3 10 & 4	Nashik	Nashik	Chandrapur # 3 10 & 4	Chandrapur # 3 10 & 4	Chandrapur Unit 8 & 9	Chandrapur Unit 8 & 9	Parva Unit 3 & 4	Parva Unit 3 & 4	Parva Unit 6 & 7	Parva Unit 6 & 7	Parva Unit 8	Parva Unit 8	Koradi 6	Koradi 6	Koradi Unit 8, 9 & 10	Koradi Unit 8, 9 & 10	URAN	URAN	URAN	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	1900	1900	840.00	840.00	500.00	500.00	630.00	630.00	1920	1920	1900	1900	500	500	500	500	500	500	500	500	500	500	472	472	472	472		
1.2	Availability	%	87.30%	87.30%	69.83%	69.83%	77.84%	77.84%	91.45%	91.45%	85.41%	85.41%	76.11%	76.11%	80.03%	80.03%	84.41%	84.41%	84.17%	84.17%	84.87%	84.87%	84.87%	84.87%	84.87%	84.87%	34.45%	34.45%	34.17%	34.17%		
1.3	PLF	%	39.24%	60.58%	60.58%	72.34%	72.34%	89.31%	89.31%	49.55%	49.55%	62.98%	62.98%	73.20%	73.20%	52.17%	52.17%	34.17%	34.17%	34.91%	34.91%	77.44%	77.44%	42.09%	42.09%	42.09%	42.09%	42.09%	42.09%	42.09%	42.09%	
1.40	Gross Generation	MU	63.178	63.38	444.18	444.18	442.96	442.96	323.50	323.50	225.04	225.04	180.00	180.00	809.59	527.13	527.13	192.53	135.75	135.75	66.35	66.35	134.48	134.48	1110.68	1110.68	196.60	196.60	5.55	5.55		
1.50	Auxiliary Consumption excluding FGD	%	14.56%	7.59%	4.09%	4.09%	6.59%	6.59%	12.43%	12.43%	10.75%	10.75%	6.19%	6.19%	11.99%	11.99%	9.30%	9.30%	13.34%	13.34%	8.90%	8.90%	11.41%	11.41%	10.81%	10.81%	2.85%	2.85%	6.56%	6.56%		
1.60	Auxiliary Consumption excluding FGD	MU	9.21	6.38	28.81	28.81	40.62	40.62	21.36	21.36	19.43	19.43	24.42	24.42	88.10	88.71	32.65	31.63	23.01	17.91	17.64	12.62	68.35	14.23	13.48	72.86	66.64	5.61	6.00			
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%		
1.80	Auxiliary Consumption for FGD	MU	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		
1.90	Total Auxiliary Consumption	%	14.56%	7.59%	4.09%	4.09%	11.20%	11.20%	9.79%	9.79%	6.59%	6.59%	12.63%	12.63%	10.75%	10.75%	11.99%	11.99%	13.34%	13.34%	8.90%	8.90%	11.41%	11.41%	10.81%	10.81%	2.85%	2.85%	3.10%	3.10%		
1.100	Total Auxiliary Consumption (+ 1.6 + 1.8)	MU	9.21	6.38	32.80	32.80	40.62	40.62	21.36	21.36	19.43	19.43	24.42	24.42	88.10	88.71	32.65	31.63	23.01	17.91	17.64	12.62	68.35	14.23	13.48	72.86	66.64	5.61	6.00			
1.11	Net Generation (+ 1.4 + 1.10)	MU	54.115	41.138	417.37	417.37	399.99	399.99	302.54	302.54	198.42	198.42	155.58	155.58	727.49	417.42	417.42	154.65	118.11	121.14	53.70	49.71	110.48	111.20	1007.82	1007.82	196.04	196.04	5.55	5.55		
1.12	Heat Rate	cal/kWh	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	2787.00	
1.13	Secondary Fuel Oil Consumption	m3/kWh	1.01	1.40	0.24	0.50	1.19	1.20	0.07	0.50	0.99	1.00	1.54	1.00	0.50	1.00	0.50	1.00	0.50	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
1.14	Transit Loss for Domestic Coal	%	1.796%	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%		
1.15	Transit Loss for Washed Coal	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
SHR coal component			2797.93	2773.27	2794.02	2770.10	2613.35	2613.67	2770.07	2770.28	2670.68	2744.49	2688.71	2678.33	2775.19	2770.16	2410.16	2425.29	2420.26	2425.27	2421.05	2425.27	2401.19	2323.15	2401.89	2225.22						
2	Fuel parameters (for each primary and secondary fuel)																															
2.1	Calorific Value	cal/kg	3998.00	3998.00	3960.00	3960.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00	3976.00		
2.1.1	Domestic Coal (As Billed)	cal/kg	4750.00	4750.00	4759.00	4759.00	4641.00	4641.00	4641.00	4641.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00		
2.1.2	Imported Coal (As Billed)	cal/kg	0.00	0.00	0.00	0.00	3366.00	3366.00	3366.00	3366.00	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		
2.1.3	Wash Coal (As Received)	cal/kg	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00	3350.00		
2.1.4	GCV loss between loading end and unloading end - Domestic Coal	cal/kg	648.00	648.00	652.00	652.00	664.00	664.00	664.00	664.00	581.00	581.00	710.00	710.00	3127.00	3127.00	3445.00	3445.00	3519.00	3519.00	3299.00	3299.00	3299.00	3299.00	3299.00	3299.00	3299.00	3299.00	3299.00	3299.00		
2.1.5	GCV loss between loading end and unloading end - as per directions in MERC Order in Case No.227 of 2002	cal/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		
2.1.6	GCV loss between loading end and unloading end - as per directions in MERC Order in Case No.227 of 2002	cal/kg	648.00	648.00	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		
2.1.7	Domestic Coal As Received GCV for FAC computation	cal/kg	3350.00	3350.00	3310.00	3310.00	3320.00	3320.00	3320.00	3320.00	3187.00	3187.00	3455.00	3455.00	3459.00	3459.00	3519.00	3519.00	3299.00	3299.00	3317.00	3317.00	3526.00	3526.00	3251.00	3251.00	3251.00	3251.00	3251.00	3251.00		
2.1.8	Wash Coal (As Received)	cal/kg	0.00	0.00	0.00	0.00	3614.00	3614.00	3614.00	3614.00	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		
2.1.9	GCV loss between loading end and unloading end - Wash Coal Actual	cal/kg	0.00	0.00	0.00	0.00	-248.00	-248.00	-248.00	-248.00	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		
2.1.10	GCV loss between loading end and unloading end for Wash Coal as per Case No. 296 of 2019 / Min. of Actual # 200	cal/kg	0.00	0.00	0.00	0.00	-248.00	-248.00	-248.00	-248.00	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		
2.1.11	Wash coal As received GCV for FAC computation	cal/kg	0.00	0.00	0.00	0.00	3614.00	3614.00	3614.00	3614.00	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		
2.1.12	Weighted avg. received GCV Raw coal - Washed coal - Actual	cal/kg	4750.00	4750.00	4759.00	4759.00	4641.00	4641.00	4641.00	4641.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00	4607.00		
2.1.13	Weighted avg. received GCV Imported Coal - Actual	cal/kg	0.00	0.00	0.00	0.00	3366.00	3366.00	3366.00	3366.00	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		
2.1.14	Weighted avg. Raw & Wash. Coal for FAC Computations	cal/kg	3350.00	3350.00	3310.00	3310.00	3329.24	3329.24	3320.00	3320.00	3187.00	3187.00	3455.00	3455.00	3459.00	3459.00	3519.00	3519.00	3299.00	3299.00	3317.00	3317.00	3529.27	3529.27	3609.63	3609.63	3609.63	3609.63	3609.63	3609.63		
2.1.15	L.D.O	cal/kg	11267.00	11267.00	11267.00	11267.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00	10765.00		
2.1.16	F.O	cal/kg	10564.00	10564.00	10564.00	10564.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00	10109.00		
2.1.17	Fuel 4	cal/kg	3228.00	3228.00	3170.00	3170.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00	2950.00		
2.2	Stacking Loss																															
2.2.1	Stacking Loss Approved	cal/kg	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00		
2.2.2	Stacking Loss Domestic - Washed Coal (As Fired) - Actual	cal/kg	124.00																													

MAHARASHTRA STATE POWER GENERATION CO. LTD.

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FAX:91-22-26580643
Email: rcgen@mahagenco.in

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

Bill No 050/2024

Date: 16-07-2024

Due date:

14-08-2024

Revised Provisional Part-I Fuel Surcharge Adjustment bill for the Month of June-2024

THERMAL & GAS STATIONS

SR. NO.	POWER STATION	ECR Considered for FAC (Rs/Kwh)	Calculated VC (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	4.879	0.418	53.280053	222.71062
2	BHUSAWAL (Unit 4-5)	3.746	4.096	0.350	411.063439	1438.72204
3	KHAPARKHEDA (Unit 1- 4)	4.218	3.699	-0.519	395.473628	-2052.50813
4	KHAPARKHEDA Unit 5	4.019	3.185	-0.834	301.375732	-2513.47360
5	NASHIK (Unit 3-5)	4.641	5.117	0.476	183.814211	874.95564
6	CHANDRAPUR (Unit 3-7)	4.097	4.245	0.148	800.870491	1185.28833
7	CHANDRAPUR (Unit- 8 & 9)	3.442	3.610	0.168	495.091409	831.75357
8	PARAS (Unit 3- 4)	3.510	3.905	0.395	170.141855	672.06033
9	PARALI (UNIT 6-7)	5.096	4.955	-0.141	118.397640	-166.94067
10	PARALI (UNIT 8)	5.052	5.031	-0.021	57.733188	-12.12397
11	KORADI (Unit 6)	3.368	3.064	-0.304	110.503713	-335.93129
12	KORADI (Unit-8,9 & 10)	3.119	3.1240	0.005	1036.784140	51.83921
13	GTPS URAN (Combine cycle)	6.760	5.219	-1.541	191.995500	-2958.65066
14	GTPS URAN (Open cycle)	6.760	7.282	0.522	2.643993	13.80164
	TOTAL MSPGCL FAC BILL				4329.168992	-2748.49694

The provisional Part-I Fuel Surcharge Adjustment bill, for MSPGCL stations, to MSEDCL for the month of June-24 is withdrawal of Rs. Twenty Seven Crore Forty Eight Lakh Forty Nine Thousand Six Hundred & Ninety Four Only

Chief Engineer,
Regulatory & Commercial Dept.