

MoD stack is prepared as per Clause 33 of State Grid Code Regulation 2020 issued by Hon. MERC on dtd. 02.09.2020

DISCOM WISE MOD STACK OF VARIABLE CHARGES (VC) FOR APRIL-2024 (R1)

(*Effective from 26.04.2024 to 15.05.2024)

Sr. no.	Generating Station	OWNER/T YPE	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 (RLNG)	CS	-	Gas	10.7647	0.0000	10.7647
2	JGPS (RLNG)	CS	-	Gas	10.7097	0.0000	10.7097
3	KAWAS (NAPM-COM GAS)	CS	-	Gas	9.0570	0.0000	9.0570
4	Jindal Power Limited U1 (Dhule) to MSEDCL	STOA	65	Coal	8.4900	0.0000	8.4900
5	Jindal Power Limited U2 (Dhule) to MSEDCL	STOA	35	Coal	8.4900	0.0000	8.4900
6	GANDHAR (NAPM-COM GAS)	CS		Gas	8.1891	0.0000	8.1891
7	Jindal Power Limited U2 (Dhule) to MSEDCL	STOA	100	Coal	7.7300	0.0000	7.7300
8	IEPL TO MSEDCL	STOA	50	Coal	7.6500	0.0000	7.6500
9	Uran GTPS (Open cycle operation)	MSPGCL	-	Gas	7.2450	0.0000	7.2450
10	KAWAS (APM GAS)	CS	200	Gas	5.9205	0.0000	5.9205
11	GANDHAR (APM GAS)	CS	204	Gas	5.8894	0.0000	5.8894
12	Parali Unit -08	MSPGCL	250	Coal	5.2980	0.0000	5.2980
13	Parali Unit - 06 & 07	MSPGCL	500	Coal	5.2650	0.0000	5.2650
14	Uran GTPS (Combined cycle operation)	MSPGCL	840	Gas	5.1940	0.0000	5.1940
15	Bhusawal Unit - 03	MSPGCL	210	Coal	4.9370	0.0000	4.9370
16	Nasik Unit - 03 to 05	MSPGCL	630	Coal	4.7890	0.0000	4.7890
17	Solapur STPS	CS	642	Coal	4.7530	0.0000	4.7530
18	APML, Unit 2 & 3 (1320 MW PPA)	IPP	1320	Coal	1.6770	2.7204	4.3974
19	APML U-1,4 &5 (440 MW PPA)	IPP	440	Coal	2.4261	1.8830	4.3091
20	Chandrapur Unit - 03 to 07	MSPGCL	1920	Coal	4.2900	0.0000	4.2900
21	APML, Unit 1,4 & 5 (1200 MW PPA)	IPP	1200	Coal	2.3661	1.8830	4.2491
22	APML, Unit 1,4 & 5 (125 MW PPA)	IPP	125	Coal	2.3661	1.8830	4.2491
23	Gadarwara	CS	46	Coal	4.2414	0.0000	4.2414
24	JSW U1, Jaigad	IPP	300	Coal	4.2000	0.0000	4.2000
25	CGPL	CS	760	Coal	4.1704	0.0000	4.1704
26	Bhusawal Unit - 04 & 05	MSPGCL	1000	Coal	4.1640	0.0000	4.1640
27	Khargone	CS	85	Coal	4.1175	0.0000	4.1175
28	MSTPS-I	CS	394	Coal	4.0023	0.0000	4.0023
29	MSTPS-II	CS	531	Coal	3.9556	0.0000	3.9556
30	Paras Unit - 03 & 04	MSPGCL	500	Coal	3.7770	0.0000	3.7770
31	Koradi Unit - 06	MSPGCL	210	Coal	3.6310	0.0000	3.6310
32	Chandrapur Unit - 08,09	MSPGCL	1000	Coal	3.6040	0.0000	3.6040
33	Khaperkheda Unit - 01 to 04	MSPGCL	840	Coal	3.5640	0.0000	3.5640
34	Koradi Unit - 08 to 10	MSPGCL	1980	Coal	3.2340	0.0000	3.2340
35	Khaperkheda Unit - 05	MSPGCL	500	Coal	3.1470	0.0000	3.1470
36	SWPGPL TO MSEDCL	LTOA	240	Coal	2.5461	0.5578	3.1039
37	RattanIndia Power Ltd, Amravati	IPP	1200	Coal	2.3750	0.5071	2.8821
38	EMCO	CS	200	Coal	2.8633	0.0000	2.8633
39	KHTPS-II	CS	148	Coal	2.8503	0.0000	2.8503
40	VSTP-I	CS	432	Coal	1.8531	0.0000	1.8531
41	VSTPS-V	CS	161	Coal	1.7900	0.0000	1.7900
42	SSTPS-II	CS	274	Coal	1.7762	0.0000	1.7762
43	VSTP-II	CS	336	Coal	1.7637	0.0000	1.7637
44	VSTPS-III	CS	275	Coal	1.7395	0.0000	1.7395
45	SSTPS-I	CS	556	Coal	1.7249	0.0000	1.7249
46	VSTP-IV	CS	294	Coal	1.7187	0.0000	1.7187
47	KSTPS I AND II	CS	635	Coal	1.7046	0.0000	1.7046
48	KSTPS-III	CS	120	Coal	1.6593	0.0000	1.6593
49	Lara	CS	114	Coal	1.4636	0.0000	1.4636
DECENTRALISED MOD STACK FOR AEML							
1	ADTPS U-1 & 2	DTPS	500	Coal	3.8813	0.0000	3.8813
DECCENTRALISED MOD STACK FOR TPCL-D							
1	TPC U-7 (RLNG)-NAPM	TATA	xxx	Gas	21.9330	0.0000	21.9330
2	TPC U-5	TATA	500	Coal/Oil/Gas	5.8610	0.0000	5.8610
3	TPC U-8	TATA	250	Coal	5.7570	0.0000	5.7570
4	TPC U-7 (APM) *	TATA	180	Gas	5.0260	0.0000	5.0260
DECENTRALISED MOD STACK FOR BEST							
1	TPC U-7 (RLNG)	TATA	xxx	Gas	21.9330	0.0000	21.9330
2	TPC U-5	TATA	500	Coal/Oil/Gas	5.8610	0.0000	5.8610
3	TPC U-8	TATA	250	Coal	5.7570	0.0000	5.7570
4	TPC U-7 (APM) *	TATA	180	Gas	5.0260	0.0000	5.0260
5	SWPGPL TO BEST	MTOA	100	Coal	2.2600	0.0000	2.2600
NOTE-							

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

2) *R1 updated on mahasidc.in website on dated 25.04.2024 due to revised variable rates of JSW U-1 & CGPL submitted by CEPP,MSEDCL .

3) Actual rates of NTPC Kawas and Gandhar are displayed on WRLDC 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.

Ref No: RCD24/45-A/LT0456

Date: 01-Apr-24

To,

The Chief Engineer (Power Purchase)

Maharashtra State Electricity Distribution Company,
5th floor, Prakashgad, Bandra (E),

Sub: Provisional Energy Bill for the supply of power from MSPGCL's Thermal & Gas Power Stations' for the month of March 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 March 2023
- 4) DSM Regulation 2019
- 5) Suo-Muto MERC Order dated 07th Oct 2021
- 6) MSEDCL's letter CE/PP/MSPGCL/Billing Issues/25577 dtd 25.08.2023
- 7) MSPGCL's letter no. Ref No: RCD23/45-L / LT01275 Dated 03.11.2023
- 8) MSPGCL's letter no. Ref No: RCD23/45-L / LT01372 Dated 30.11.2023
- 9) MSEDCL's letter no. Ref No:CE/PP/MSPGCL/Billing issues/No 5878 Dated 23.02.2024

Dear Sir,

Please find attached herewith the monthly energy bill for the Month of March 2024, Bill No. (150 /2023) for supply of Power from for MSPGCL's Thermal & Gas Power Stations to MSEDCL.

Mahagenco's Thermal & Gas Power Stations have supplied Total 4829.475985 MUs to MSEDCL, in the month of March 2024. Net Energy Bill amount for MAHAGENCO's Thermal & Gas Power Stations is Rs.2655.3952668 Crores; Bill amount in words Rs. Two Thousand Six Hundred Fifty Five Crore Thirty Nine Lakhs Fifty Two Thousand Six Hundred Sixty Eight Only.

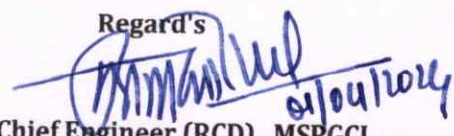
This bill is raised as per the Tariff order passed by MERC in Case No. 227 of 2022 , vide ref.3. As the MERC MYT regulation is effective from 1st april 2020, therefore the calculation of AFC disallowance is done as per MYT regulations 2019 considering **Mar-2024** as the **Third month in high demand season** as declared by SLDC, therefore the AVF calculations are done accordingly.

As per MERC DSM Regulation and MERC Suo-Muto Order dated 07th Oct 2021, DSM is made commercially applicable from 11th Oct 2021 onwards. As per the related regulatory provisions, the energy billing under DSM is to be done as per scheduled generation. Accordingly, MSPGCL has carried out the energy bill as per schedule data available on SLDC's DSM scheduling software. MSPGCL, vide letter under ref.7 & 8, 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. Further, as there is no time tagging from MSEDCL, while making payments to MSPGCL, therefore MSPGCL shall adjust the payments towards LPS first and thereafter, towards monthly charges, starting from the longest overdue bill, as per LPS rule 2022 (Clause no. 4). Further, as per letter under ref. 9, MSEDCL has stated that due date of the bill will be counted from date of receipt of all requisite data pertaining to bill. In this regard, it is to inform that MSPGCL provides all the necessary data along with the bill, as well as provides any necessary document, if necessary, as and when requested by MSEDCL. As per Clause 1.1 (g) of the PPA, billing date means the date on which the bill is presented to MAHAVITARAN by MAHAGENCO, also as per the clause 9.2.1 of the PPA, MSEDCL should process and pay the full bill, within the due date.

As per PPA clause 9.3 (b) late payment surcharge shall be applicable as per the rate provided in the prevailing MERC regulation, if the payment of the bill is made beyond due date. 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.

Thanking you,

Enclosure:	Bill No: 150 /2023
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Regard's

Chief Engineer (RCD), MSPGCL

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: 150 /2023

Bill Date: 01-04-2024

Due date: 30-04-2024

Energy Bill of MAHAGENCO for the Month of Mar 2024 (From 01.03.2024 (00.00Hrs) to 31.03.2024(24:00Hrs)

THERMAL & GAS STATIONS

SR. NO.	POWER STATION	UNITS SENT OUT Scheduled 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 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)	92.538530	4.408	4079.09840	1443.11576	5522.21416	-154.82877	1597.94453	5677.04293
2	BHUSAWAL (Unit 4-5)	458.853667	3.710	17023.47105	8604.87758	25628.34863	944.52616	7660.35142	24683.82247
3	KHAPARKHEDA (Unit 1- 4)	443.736817	4.197	18623.63421	5014.31725	23637.95146	-394.56446	5408.88171	24032.51592
4	KHAPARKHEDA U # 5	314.675532	4.007	12609.04857	4571.94413	17180.99270	-292.08975	4864.03388	17473.08245
5	NASHIK (Unit 3-5)	173.954220	4.647	8083.65260	3929.38557	12013.03817	-0.00001	3929.38558	12013.03818
6	CHANDRAPUR (Unit 3-7)	886.012667	4.103	36353.09973	8174.40775	44527.50748	-1898.20143	10072.60918	46425.70891
7	CHANDRAPUR (Unit- 8 & 9)	583.574469	3.444	20098.30471	10105.32069	30203.62540	0.00000	10105.32069	30203.62540
8	PARAS (Unit 3- 4)	309.197882	3.483	10769.36223	3810.08488	14579.44711	-341.59447	4151.67935	14921.04158
9	PARLI (Unit 6- 7)	205.099665	5.100	10460.08292	3855.42814	14315.51106	-83.96006	3939.38820	14399.47112
10	PARLI (Unit 8)	95.770613	5.016	4803.85395	3200.24029	8004.09424	15.03052	3185.20977	7989.06372
11	KORADI (Unit 6)	105.037422	3.319	3486.19204	2487.75165	5973.94369	0.00000	2487.75165	5973.94369
12	KORADI (Unit- 8,9 & 10)	955.618751	3.084	29471.28228	16217.60234	45688.88462	344.26504	15873.33730	45344.61958
13	GTPS URAN (Unit 5 -10)	205.405750	6.760	13885.42870	1019.47633	14904.90503	-1497.64570	2517.12203	16402.55073
	TOTAL THERMAL	4829.475985		189746.51139	72433.95236	262180.46375	-3359.06293	75793.01529	265539.52668
ENERGY BILL FOR SUPPLY OF ENERGY FROM MAHAGENCO'S THERMAL & GAS POWER STATIONS TO MAHAVITARAN FOR THE MONTH OF March 2024									

Bill amount in words Rs. Two Thousand Six Hundred Fifty Five Crore Thirty Nine Lakhs Fifty Two Thousand Six Hundreded Sixty Eight Only.

[Signature]
Chief Engineer,
Regulatory & Commercial Dept.

MAHARASHTRA STATE POWER GENERATION CO. LTD.

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

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Calculation for Cumulative AVF Based AFC Disallowance upto March 2024

Month: Mar-24		high demand season												
Season :		3												
Month no. in the season:		3												
SR. NO.	POWER STATION	Approved Annual Fixed Charge for target AVF (Rs.in Lakhs)	AFC upto third month of high 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 March 2024 (%)	Actual off-peak period Cumulative AVF upto March 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 March 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)	16241.56685	4060.39170	80.00%	812.07834	3248.31337	78.940%	79.527%	801.31830	3229.10772	4030.42602	29.96568	184.79445	-154.82877
2	BHUSAWAL (Unit 4-5)	102944.53097	25736.13273	85.00%	5147.22655	20588.90619	79.587%	77.730%	4819.43905	18827.94916	23647.38821	2088.74452	1144.21836	944.52616
3	KHAPARKHEDA (Unit 1- 4)	61686.99370	15421.74843	85.00%	3084.34969	12337.39874	73.650%	73.692%	2672.49829	10696.08927	13368.58756	2053.16087	2447.72533	-394.56446
4	KHAPARKHEDA U # 5	51277.37952	12819.33237	85.00%	2563.86648	10255.46590	82.239%	83.034%	2480.58606	10018.26301	12498.84907	320.48330	612.57305	-292.08975
5	NASHIK (Unit 3-5)	45794.62682	11448.65670	80.00%	2289.73134	9158.92536	82.995%	83.494%	2289.73134	9158.92536	11448.65671	-0.00001	0.00000	-0.00001
6	CHANDRAPUR (Unit 3-7)	114214.08305	28553.52075	80.00%	5710.70415	22842.81661	75.641%	74.975%	5399.54216	21408.00219	26807.54435	1745.97640	3644.17783	-1898.20143
7	CHANDRAPUR (Unit- 8 & 9)	120692.84832	30173.21208	85.00%	6034.64242	24138.56966	86.887%	86.357%	6034.64242	24138.56966	30173.21208	0.00000	0.00000	0.00000
8	PARAS (Unit 3- 4)	45996.02244	11499.00561	85.00%	2299.80112	9199.20449	86.375%	86.472%	2299.80112	9199.20449	11499.00561	0.00000	341.59447	-341.59447
9	PARALI (UNIT 6-7)	44903.13773	11225.78442	85.00%	2245.15689	8980.62755	86.993%	86.757%	2245.15689	8980.62755	11225.78443	-0.00001	83.96005	-83.96006
10	PARALI (UNIT 8)	37557.88352	9389.47089	85.00%	1877.89418	7511.57670	77.103%	78.324%	1703.42676	6921.60863	8625.03539	764.43550	749.40498	15.03052
11	KORADI (Unit 6)	25980.01978	6495.00495	72.00%	1299.00099	5196.00396	77.215%	76.859%	1299.00099	5196.00396	6495.00495	0.00000	0.00000	0.00000
12	KORADI (Unit- 8, 9 & 10)	221061.80461	55265.45115	85.00%	11053.09023	44212.36092	66.469%	65.723%	8643.38652	34185.51761	42828.90413	12436.54702	12092.28198	344.26504
13	GTPS URAN (Unit 5 -10)	27037.66230	6759.41559	38.11%	1351.88312	5407.53246	35.068%	36.931%	1243.97368	5240.24092	6484.21460	275.20099	1772.84669	-1497.64570
TOTAL THERMAL		915388.50961	228847.12737		45769.42548	183077.70192			41932.50358	167200.10952	209132.61311	19714.51426	23073.57719	-3359.06293


 Chief Engineer,
 Regulatory & Commercial Dept.

Energy Bill of MAHAGENCO for the Month of Mar 2024 (From 01.03.2024 (00.00Hrs) to 31.03.2024(24:00Hrs)

THERMAL POWER STATIONS		Scheduled Generation
A. BHUSAWAL THERMAL POWER STATION		
Total scheduled Gen for Bhuswal 3		92.538530
B. Bhusawal THERMAL POWER STATION (Unit # 4) (500 MW)		
Total scheduled Gen for Bhuswal 4		247.524788
C. Bhusawal THERMAL POWER STATION (Unit # 5) (500 MW)		
Total scheduled Gen for Bhuswal 5		211.328879
Total scheduled Gen for Bhuswal 4 & 5		458.853667
D. KHAPERKHEDA THERMAL POWER STATION (U # 1-4) (840 MW)		
1	U#1 210 MW	105.545073
2	U#2 210 MW	115.758994
3	U#3 210 MW	107.835636
4	U#4 210 MW	114.597114
Total scheduled Gen for KPKD 1-4 (Mus.)		443.736817
E. KHAPERKHEDA THERMAL POWER STATION (Unit # 5) (500 MW)		
Units sent out (Mus.)		314.675532
F. NASHIK THERMAL POWER STATION (Unit # 3 to 5) (630 MW)		
1	U#3 210 MW	36.757075
2	U#4 210 MW	90.019491
3	U#5 210 MW	47.177654
TOTAL Units sent out (Mus.)		173.954220
G. CHANDRAPUR THERMAL POWER STATION (Unit # 3 to 7) (1920 MW)		
1	U#3 210 MW	89.404645
2	U#4 210 MW	87.224139
3	U#5 500 MW	242.036910
4	U#6 500 MW	235.870046
5	U#7 500 MW	231.476927
Unit sent out (Mus)		886.012667
H. CHANDRAPUR (Unit # 8) (500 MW)		
Net energy sent out from C'pur U-8		279.943883
I. CHANDRAPUR (Unit # 9) (500 MW)		
Net energy sent out from C'pur U-9		303.630586
Total Net sent out from Chandrapur 8 & 9		583.574469
J. PARAS THERMAL POWER STATION (Unit-3) (250 MW)		
Unit sent out (Mus)		151.906295
K. PARAS THERMAL POWER STATION (Unit-4) (250 MW)		
Unit sent out (Mus)		157.291587
Total Net sent out from Paras 3 & 4		309.197882
L. PARLI THERMAL POWER STATION (Unit-6) (250 MW)		
Units sent out (Mus.)		109.687336
M. PARLI THERMAL POWER STATION (Unit-7) (250 MW)		
Units sent out (Mus.)		95.412329
Total Net sent out from Parali 6 & 7		205.099665
N. PARLI (Unit-8) THERMAL POWER STATION		
Units sent out (Mus.)		95.770613
O. KORADI THERMAL POWER STATION (U# 6)		
Total Net sent out from Koradi 6		105.037422
P. KORADI THERMAL POWER STATION (U # 8) (660 MW)		
Unit sent out (Mus)		394.094551
Q. KORADI THERMAL POWER STATION (U # 9) (660 MW)		
Unit sent out (Mus)		305.387231
R. KORADI THERMAL POWER STATION (U # 10) (660 MW)		
Unit sent out (Mus)		256.136969
Total Net sent out from Koradi 8 & 9 & 10		955.618751
I. GTPS Uran		
Unit-5		0
Unit-6		0.43
Unit-7		66.81575
Unit-8		66.85025
Unit-A0		0
Unit-B0		71.30975
Total Net sent out from GTPS Uyran		205.405750

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MAHARASHTRA STATE POWER GENERATION CO. LTD.

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Email: rcgen@mahagenco.in

Regulatory & Commercial Dept.,

Prakashgad, 3rd Floor,

Bandra (E) Mumbai 400 051

Ref. No. RCD24/15/LT0491

Date: 08/04/2024

To

The Chief Engineer (Power Purchase)

Maharashtra State Electricity Distribution Company,

5th floor, Prakashgad, Bandra (E),

Mumbai, Maharashtra - 400051

Sub: Provisional Fuel Surcharge Adjustment Bill for supply of electricity for the month of March -2024 Part-I.

Ref: 1) Energy Bill for Mar-2024 Dt.01.03.2024

2) MERC Order dated 31.03.2023 in Case No. 227 of 2022.

3) MERC order dated 10.06.2020 in Case No. 97 of 2020

4) Letter No. CE/PP/MSPGCL/NTPS/No.27008 Dated 08 September 2023.

5) MERC Order dated 01.02.2024 in Case No. 132 of 2023.

Sir,

MSPGCL has already raised energy bill for the month of Mar-2024 towards the supply of electricity to MSEDCL, vide letter under ref. 1 above, considering the energy charges approved by Hon'ble MERC in the order under ref. 2.

Computation methodology for FAC Part- I bill for the month of Mar-2024:

In view of the difficulties faced by MSPGCL on account of non- availability of certified GCV data for loading end coal due to COVID-19 lockdown situation and deviations in energy charge on account of usage of alternate coal, MSPGCL had approached Hon'ble MERC for necessary guidelines for raising the FAC bill for April-2020 and onwards till normalization of schedule of loading end coal GCV certificates.

Hon'ble Commission, vide order dated 10.06.2020 in the Case No. 97 of 2020, has directed following regarding the FAC billing.

"22. Therefore, MSPGCL Aug submit FAC bills to MSEDCL based on actual fuel cost and provisional GCV, which can be either based on mid-point of Declared grade GCV or GCV measured by MSPGCL's Testing Team. Although, the Commission has suggested two approaches for arriving at provisional GCV, MSPGCL Aug adopt any other better approach in consultation with MSEDCL for provisional billing. Bill for differential amount would be based on actual GCV as per CIMFR report to be raised on MSEDCL as and when actual data is available so that appropriate adjustment can be done in FAC submission in subsequent month by MSEDCL."

Accordingly, the tentative Normative Variable Cost for the month of Mar-2024 is calculated, based on actual costs; weighted averages for GCV data as directed vide MERC order in case no. 97 of 2020 and approved performance parameters for MSPGCL thermal stations as per MERC order in case no. 227 of 2022 except for gap allowed between 'As billed GCV & 'As Received GCV' for raw coal.

As per order dated 31.03.2023 in MSPGCL's petition for Mid term Review for 4th control period (Case no 227 of 2022); hon'ble commission had allowed "As billed" to "As Received" GCV gap as below

- 575 kcal/kg for Bhusawal # 3, Paras # 3, 4 & Parli #8.
- 625 kcal/kg for remaining units.

Against this order, MSPGCL had approached Hon'ble Commission for review (Case 132 of 2023). Hon'ble Commission, vide order dated 01.02.2024, on this petition, has now allowed 'As billed to 'As received' GCV gap of 650kcal/kg for raw coal at all stations. The extracts from relevant MERC order are as below;

"16.45 The Commission also notes that the Commission in its Order dated 1 March, 2021 on Review Petition filed on MYT Order under provisions of Power to Relax of MYT Regulations, 2019 has relaxed the GCV loss up to 650 kcal/kg (i.e., additional 350 kcal/kg over and above the GCV loss specified in MYT Regulations) for FY 2020-21. Hence, the GCV loss in excess of 650 kcal/kg cannot be allowed as this was the target specified for first year of the Control Period. Accordingly, the Commission relaxes the GCV loss by 350 kcal/kg and allows total GCV loss of up to 650 kcal/kg for FY 2023-24 and FY 2024-25 subject to following conditions:....."

16.46 Accordingly, the relaxed GCV loss permissible for these 2 years shall be as follows:

- *FY 2023-24: Relaxation of 350 kcal/kg in loss of GCV in addition to 300 kcal/kg as per MYT Regulations, 2019....."*

Accordingly, MSPGCL has considered 'As Billed to As Received' GCV gap of 650 kcal/kg for computation of this part I FAC bill for March 2024.

Compensation for operation of units below normative AVF & above technical minimum:

The Regulation 34 of State Grid Code Regulations, 2020, has provided for claim for compensation on account of operation at or above the technical minimum but below the normative plant availability factor on account of grid security or due to the fewer schedules given by the buyer.

As per Regulations 34.2 and 34.3 of State Grid Code, 2020 MSPGCL is entitled to claim compensation for such operations up to technical minimum of 55% in the monthly FAC bills and during tariff filing process, on the basis of technical parameters during such period, duly supported by relevant data verified by SLDC.

In the present FAC Part-I bill for Mar-2024, MSPGCL has not included any claim for compensation on account of operating the units below the normative availability loads up to technical minimum of 55%. However, once the relevant data is compiled MSPGCL will raise the claim.

Provisional FAC Part-I bill for the month of Mar-2024:

Due to non-availability of A0 unit since 07.09.2022, GT-5 and GT-6 runs on Open cycle mode and B0 came in service from 20.11.2022, hence GT-7, GT-8 along with B0 runs on CCPP mode. The units are operated in different combinations (Open cycle mode & CCPP mode) as per gas availability and MSEDCL requirement. The Regulation 46.16 & 46.7 of MERC Regulations, 2019, has provided operational parameters for open cycle and combined cycle. Accordingly, MSPGCL has considered the normative parameters for Uran for combined cycle operation and open cycle operation for the concerned period for present FAC bill.

Please find attached herewith Provisional FAC Part-I bill for MSPGCL thermal stations for supply of electricity for the month of Mar-2024 is Rs. -33,92,184/- (In words, withdrawal of Rs. Thirty Three Lakhs Ninety Two Thousand One Hundred Eighty four Only).

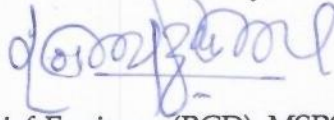
Part (II) of the FAC bill for Mar-2024 for differential amount based on CIMFR Report as per methodology will be raised later on after receipt of CIMFR reports. Also, this bill is subject to amendments/ revision based on receipt orders that may be passed by MERC /APTEL or reason of any subsequent development at later stage.

Also as explained above, MSPGCL will claim compensation for Technical minimum operations during Mar-2024 once the relevant data is compiled.

Therefore, it is requested to issue necessary directives for the adjustment of the above bill in the respective Energy Bill.

Thanking you,

Yours faithfully,


for Chief Engineer (RCD), MSPGCL

Encl.: As above

MAHARASHTRA STATE POWER GENERATION CO. LTD.

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Email: rcgen@mahagenco.in

Regulatory & Commercial Dept.
Prakashgad, 3rd Floor,

Bandra (E) Mumbai 400 051

Bill No	160/2023	Date:	08-04-2024	Due date:	07-05-2024
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Provisional Part-I Fuel Surcharge Adjustment bill for the Month of March 2024**THERMAL & GAS STATIONS**

SR N O.	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)	4.408	4.937	0.529	92.538530	489.52882
2	BHUSAWAL (Unit 4-5)	3.710	4.164	0.454	458.853667	2083.19565
3	KHAPARKHEDA (Unit 1- 4)	4.197	3.564	-0.633	443.736817	-2808.85405
4	KHAPARKHEDA Unit 5	4.007	3.147	-0.860	314.675532	-2706.20958
5	NASHIK (Unit 3-5)	4.647	4.789	0.142	173.954220	247.01499
6	CHANDRAPUR (Unit 3-7)	4.103	4.290	0.187	886.012667	1656.84369
7	CHANDRAPUR (Unit- 8 & 9)	3.444	3.604	0.160	583.574469	933.71915
8	PARAS (Unit 3- 4)	3.483	3.777	0.294	309.197882	909.04177
9	PARALI (UNIT 6-7)	5.100	5.265	0.165	205.099665	338.41445
10	PARALI (UNIT 8)	5.016	5.298	0.282	95.770613	270.07313
11	KORADI (Unit 6)	3.319	3.631	0.312	105.037422	327.71676
12	KORADI (Unit-8,9 & 10)	3.084	3.234	0.150	955.618751	1433.42813
13	GTPS URAN (Combine cycle)	6.760	5.194	-1.566	204.975750	-3209.92025
14	GTPS URAN (Open cycle)	6.760	7.245	0.485	0.430000	2.08550
	TOTAL MSPGCL FAC BILL				4829.475985	-33.92184

The provisional Part-I Fuel Surcharge Adjustment bill, for MSPGCL stations, to MSEDCL for the month of Mar-24 is withdrawal of Rs. Thirty Three Lakhs Ninety Two Thousand One Hundred Eighty four Only


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