

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 FEBRUARY-2025 (R0)

(*Effective from 16.02.2025 to 15.03.2025)

Sr. no.	Generating Station	OWNER/TYP E	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	24.2329	0.0000	24.2329
2	KAWAS (NAPM-COM GAS)	CS	-	Gas	12.9143	0.0000	12.9143
3	GANDHAR (NAPM-COM GAS)	CS	-	Gas	12.4078	0.0000	12.4078
4	KAWAS (RLNG)	CS	-	Gas	10.5764	0.0000	10.5764
5	JGPS (RLNG)	CS	-	Gas	10.4305	0.0000	10.4305
6	Uran GTPS (Open cycle operation)	MSPGCL	-	Gas	7.4190	0.0000	7.4190
7	KAWAS (APM GAS)	CS	200	Gas	5.9621	0.0000	5.9621
8	GANDHAR (APM GAS)	CS	204	Gas	5.9308	0.0000	5.9308
9	Nasik Unit - 03 to 05	MSPGCL	630	Coal	5.4250	0.0000	5.4250
10	Uran GTPS (Combined cycle operation)	MSPGCL	840	Gas	5.3190	0.0000	5.3190
11	Bhusawal Unit - 03	MSPGCL	210	Coal	5.2040	0.0000	5.2040
12	Parali Unit - 08	MSPGCL	250	Coal	5.0980	0.0000	5.0980
13	Parali Unit - 06 & 07	MSPGCL	500	Coal	5.0880	0.0000	5.0880
14	Solapur STPS	CS	642	Coal	4.4622	0.0000	4.4622
15	Bhusawal Unit - 04 & 05	MSPGCL	1000	Coal	4.4270	0.0000	4.4270
16	Chandrapur Unit - 03 to 07	MSPGCL	1920	Coal	4.2910	0.0000	4.2910
17	Khargone	CS	85	Coal	4.2192	0.0000	4.2192
18	APML U-1,4 & 5 (440 MW PPA)	IPP	440	Coal	2.4209	1.7433	4.1642
19	APML, Unit 1,4 & 5 (1200 MW PPA)	IPP	1200	Coal	2.3609	1.7433	4.1042
20	APML, Unit 1,4 & 5 (125 MW PPA)	IPP	125	Coal	2.3609	1.7433	4.1042
21	APML, Unit 2 & 3 (1320 MW PPA)	IPP	1320	Coal	1.7040	2.1383	3.8423
22	JSW U1, Jaigad	IPP	300	Coal	3.8400	0.0000	3.8400
23	CGPL	CS	760	Coal	3.8241	0.0000	3.8241
24	Paras Unit - 03 & 04	MSPGCL	500	Coal	3.6420	0.0000	3.6420
25	Koradi Unit - 06	MSPGCL	210	Coal	3.6010	0.0000	3.6010
26	Chandrapur Unit - 08,09	MSPGCL	1000	Coal	3.5930	0.0000	3.5930
27	Khaperkheda Unit - 01 to 04	MSPGCL	840	Coal	3.5540	0.0000	3.5540
28	IEPL TO MSEDCL	STOA	180	Coal	3.5070	0.0000	3.5070
29	MSTPS-II	CS	531	Coal	3.3167	0.0000	3.3167
30	MSTPS-I	CS	394	Coal	3.2896	0.0000	3.2896
31	Koradi Unit - 08 to 10	MSPGCL	1980	Coal	3.2380	0.0000	3.2380
32	Gadarwara	CS	46	Coal	3.1353	0.0000	3.1353
33	EMCO	CS	200	Coal	2.9599	0.0000	2.9599
34	SWPGPL TO MSEDCL	LTOA	240	Coal	2.5409	0.4111	2.9520
35	RattanIndia Power Ltd, Amravati	IPP	1200	Coal	2.3962	0.5150	2.9112
36	KHTPS-II	CS	148	Coal	2.9029	0.0000	2.9029
37	Khaperkheda Unit - 05	MSPGCL	500	Coal	2.8940	0.0000	2.8940
38	VSTP-I	CS	432	Coal	2.1303	0.0000	2.1303
39	VSTPS-V	CS	161	Coal	2.0450	0.0000	2.0450
40	VSTP-II	CS	336	Coal	2.0186	0.0000	2.0186
41	VSTPS-III	CS	275	Coal	1.9937	0.0000	1.9937
42	VSTP-IV	CS	294	Coal	1.9750	0.0000	1.9750
43	SSTPS-II	CS	274	Coal	1.8120	0.0000	1.8120
44	SSTPS-I	CS	556	Coal	1.7578	0.0000	1.7578
45	KSTPS I AND II	CS	635	Coal	1.5344	0.0000	1.5344
46	KSTPS-III	CS	120	Coal	1.4870	0.0000	1.4870
47	Lara	CS	114	Coal	1.3577	0.0000	1.3577
DECENTRALISED MOD STACK FOR AEML							
1	JINDAL PL_U1 TO AEML	STOA	75	Coal	4.5200	0.0000	4.5200
2	SWPGL TO AEML	STOA	120	Coal	4.2500	0.0000	4.2500
3	ADTPS U-1 & 2	DTPS	500	Coal	3.8478	0.0000	3.8478
DECENTRALISED MOD STACK FOR TPCL-D							
1	TPC U-7 (RLNG)	TATA	xxx	Gas	12.5870	0.0000	12.5870
2	TPC U-5	TATA	500	Coal/Oil/Gas	6.0540	0.0000	6.0540
3	TPC U-8	TATA	250	Coal	5.9560	0.0000	5.9560
4	TPC U-7 (APM) *	TATA	180	Gas	5.1590	0.0000	5.1590
5	IEPL TO TPCL	STOA	35	Coal	5.0500	0.0000	5.0500
DECENTRALISED MOD STACK FOR BEST							
1	TPC U-7 (RLNG)	TATA	xxx	Gas	12.5870	0.0000	12.5870
2	TPC U-5	TATA	500	Coal/Oil/Gas	6.0540	0.0000	6.0540
3	TPC U-8	TATA	250	Coal	5.9560	0.0000	5.9560
4	TPC U-7 (APM) *	TATA	180	Gas	5.1590	0.0000	5.1590
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 mahasidc.in website on dated 15.02.2025.

3) Also, STOA transactions for the month of Feb-2025 updated in this MOD revision.

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

5) Hydro generation is not considered for MOD.

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

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



Energy Bill No: 152/2024

Bill Date: 01-02-2025

Due date: 02-03-2025

Energy Bill of MAHAGENCO for the Month of January-2025 (From 01.01.2025 (00.00Hrs) to 31.01.2025(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)	91.223113	4.461	4069.46307	1481.92677	5551.38984	-231.48146	1713.40823	5782.87130
2	BHUSAWAL (Unit 4-5)	496.461811	3.746	18597.45944	8713.29190	27310.75134	-977.168730	9690.46063	28287.92007
3	KHAPARKHEDA (Unit 1- 4)	418.994939	4.218	17673.20653	5344.75006	23017.95659	-280.25680	5625.00686	23298.21339
4	KHAPARKHEDA U # 5	306.237576	4.019	12307.68818	4822.59231	17130.28049	0.00000	4822.59231	17130.28049
5	NASHIK (Unit 3-5)	240.308992	4.641	11152.74032	4104.28997	15257.03029	0.00000	4104.28997	15257.03029
6	CHANDRAPUR (Unit 3-7)	634.871601	4.097	26010.68949	9452.65463	35463.34412	1656.77096	7795.88367	33806.57316
7	CHANDRAPUR (Unit- 8 & 9)	395.390045	3.442	13609.32535	10235.54230	23844.86765	3311.01475	6924.52755	20533.85290
8	PARAS (Unit 3- 4)	263.029962	3.510	9232.35167	4688.60884	13920.96051	-149.68986	4838.29870	14070.65037
9	PARLI (Unit 6- 7)	218.004390	5.096	11109.50371	4018.80666	15128.31037	-396.25538	4415.06204	15524.56575
10	PARLI (Unit 8)	104.537844	5.052	5281.25188	3205.51204	8486.76392	0.00000	3205.51204	8486.76392
11	KORADI (Unit 6)	110.645512	3.368	3726.54084	2568.81829	6295.35913	-1.04816	2569.86645	6296.40729
12	KORADI (Unit- 8,9 & 10)	764.550983	3.119	23846.34516	16420.98683	40267.33199	3599.95105	12821.03578	36667.38094
13	GTPS URAN (Unit 5 -10)	214.344281	6.760	14489.67340	1062.58224	15552.25564	-1296.03798	2358.62022	16848.29362
	TOTAL THERMAL	4258.601049		171106.23904	76120.36284	247226.60188	5235.79839	70884.56445	241990.80349

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

241990.80349

Bill amount in words Rs. Two Thousand Four Hundred Nineteen crores Ninety lakhs Eighty thousand three hundred and forty nine 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
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Calculation for Cummulative AVF Based AFC Disallowance upto January 2025

Month no. in the season: 8

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. 153/ 2024		Bill Date: 01-02-2025				Due date: 02-03-2025		
Energy Bill of MAHAGENCO for the Month of Jan-2025 [From 01-01-2025 (00.00 Hrs) to 31-01-2025 (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	78.956005	0.229	180.809251	183.08522	100.00	204.222220	385.03147
2	KGSC Stage III	37.714960	0.229	86.367258	97.64545	76.61	83.445640	169.81290
3	KGSC Stage IV	96.358776	0.229	220.661597	305.14203	100.00	340.370360	561.03196
4	KDPH	24.427670	0.229	55.939364	10.98511	100.00	12.253330	68.19269
5	Total KGSC	237.457411		543.777471	596.85781		640.291550	1184.06902
BHIRA TR HPS								
6	Bhira HPS U # 1 & 2	4.970671	0.554	27.537517	32.115210	50.297109	17.947800	45.48532
7	Bhira Total	4.970671		27.537517	32.115210	50.30	17.947800	45.48532
TILLARI HPS								
8	Tillari HPS U # 1	13.864900	0.812	112.582988	70.903690	100.00	78.781880	191.36487
9	Tillari Total	13.864900		112.582988	70.903690	100.00	78.781880	191.36487
10	Total for High Capacity Hydro P.S.	256.292982		683.897977	699.87671		737.02123	1420.91921
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	0.048695	0.00000	0.00000	147.28152			147.28152
12	Ghatghar PSS	18.430050	0.00000	0.00000	613.67301			613.67301
13	Total Mahagenco's Hydro (Including Ghatghar PSS)	274.771727						2181.87374
III. BILLSUMMARY								
14	TOTAL ENERGY BILL AMOUNT IN RS. CR. FOR MSPGCL'S LARGE HYDRO STATIONS FOR THE MONTH OF January-2025						21.8187374	
Total Energy Bill Amount for MSPGCL's Large Hydro Power Stations is Rs. 21.8187374 Cr. in words (Rupees Twenty One Crore Eighty One Lakh Eighty Seven Thousand Three Hundred Seventy Four and Paise Zero Only) (E & OE).								

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Bill No.	155/2024	Bill Date:	01-02-2025	Due date	02-03-2025
Energy Bill of MAHAGENCO for the Month of Jan-2025 [From 01-01-2025 (00.00 Hrs) to 31-01-2025 (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	3.945300	55.23057104	
2	Paithan	1 X 12	-0.003610	29.45630455	
VAITARNA DIVISION					
4	Vaitarna Dam Toe	1 X 1.5	-0.001938	3.682038069	
5	Bhatsa	1 X 15	10.964045	36.82038069	
6	Surya	1 X 6	0.407125	14.72815228	
BHATGHAR DIVISION					
8	Bhatghar	1X 16	6.426650	39.27507274	
9	Kanher	1 X 4	0.200300	9.818768185	
10	Dhom	2 X 1	0.706625	4.909384092	
11	Ujjani	1 X 12	2.234855	29.45630455	
12	Warana	2 X 8	5.567844	39.27507274	
PANSHET DIVISION					
13	Panshet	1 X 8	3.164935	19.63753637	
14	Varasgaon	1 X 8	2.060728	19.63753637	
15	Pawana	1 X 10	1.695275	24.54692046	
16	Manikdoh	1 X 6	1.352482	14.72815228	
17	Dimbhe	1 X 5	3.255666	12.27346023	
BHIRA DIVISION					
18	Dudhganga	2 X 12	4.115145	58.91260911	
19	Terwanmedhe	1 X 0.2	0.034580	0.49093841	
20	Radhanagari	4 X 1.2	-0.000275	11.78252182	
TOTAL			46.1257320	424.66172	
III. BILL SUMMARY					
21	TOTAL ENERGY BILL IN RS CRORE AMOUNT FOR MAHAGENCO'S SMALL HYDRO STATIONS FOR THE MONTH OF			Jan-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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Bandra (East) , Mumbai 400051

INVOICE (HYDRO-LEASE)

To,

Payment Information

Chief Engineer (Power Purchase)

Customer No.

10000

MSEDCL, 5th Floor, Prakashgad

Bill Doc. No.

154/ 2024

Bandra (East), Mumbai 400051

Billing Date

01-02-2025

Condition

Payment Due Date : 02-03-2025

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

Jan-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



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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. 156/ 2024

Billing Date 01-02-2025

Condition

Payment Due Date : 02-03-2025

Bill for Small Hydro Power stations' Lease Rent for the month of Jan-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.

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Regulatory & Commercial Dept.

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Bandra (E) Mumbai 400 051

Bill No	162/2024	Date:	10-02-2025	Due date:			11-03-2025
Provisional Part-I Fuel Surcharge Adjustment bill for the Month of January-2025							
THERMAL & GAS STATIONS							
SR. NO.	POWER STATION	ECR Considered for Monthly Energy Bill (Rs/Kwh)	Calculated VC without FGD (Rs/Kwh)	Calculate d 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	5.204		0.743	91.223113	677.78773
2	BHUSAWAL (Unit 4-5)	3.746	4.427		0.681	496.461811	3380.90493
3	KHAPARKHEDA (Unit 1- 4)	4.218	3.554	3.577	-0.641	418.994939	-2685.75756
4	KHAPARKHEDA (Unit 5)	4.019	2.894		-1.125	306.237576	-3445.17273
5	NASHIK (Unit 3-5)	4.641	5.425		0.784	240.308992	1884.02250
6	CHANDRAPUR (Unit 3-7)	4.097	4.291		0.194	634.871601	1231.65091
7	CHANDRAPUR (Unit- 8 & 9)	3.442	3.593		0.151	395.390045	597.03897
8	PARAS (Unit 3- 4)	3.510	3.642		0.132	263.029962	347.19955
9	PARALI (UNIT 6-7)	5.096	5.088		-0.008	218.004390	-17.44035
10	PARALI (UNIT 8)	5.052	5.098		0.046	104.537844	48.08741
11	KORADI (Unit 6)	3.368	3.601		0.233	110.645512	257.80404
12	KORADI (Unit-8,9 & 10)	3.119	3.238		0.119	764.550983	909.81567
13	GTPS URAN (Combine cycle)	6.760	5.319		-1.441	210.055000	-3026.89255
14	GTPS URAN (Open cycle)	6.760	7.419		0.659	4.289281	28.26636
	TOTAL MSPGCL FAC BILL					4258.601049	187.31488
The provisional Part-I Fuel Surcharge Adjustment Bill for MSPGCL stations to MSEDCL for the month of Jan-25 is Rs.1,87,31,488/- (in words, Rs. One Crore Eighty Seven Lakh Thirty One Thousand Four Hundred Eighty Eight Only)							
Chief Engineer, Regulatory & Commercial Dept.							

F10 - ECR calculation for January-2025

combined cycle	Open cycle
	GT5 & GT6

S.No.	Particulars	Units	Bhusawal	Bhusawal	Bhusawal 4 & S	Bhusawal 4 & S	Khaparkhed 1 TO 4	Khaparkhed 1 TO 4	Khaparkhed - S	k-haphed 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																																
1.1	Total Capacity	MW	210	210	1000	1000	840.00	840.00	500.00	500.00	630.00	630.00	1920	1920	1000	1000	500	500	500	500	250	250	210	210	210	1980	1980	672	672	672			
1.2	Auxiliary	%	93.29%	93.29%	94.37%	94.37%	78.87%	78.87%	87.58%	87.58%	95.45%	95.45%	56.06%	56.06%	56.06%	56.06%	57.42%	56.21%	56.21%	93.56%	88.34%	88.34%	81.17%	81.17%	81.17%	81.17%	81.17%	81.17%	71.23%	71.23%	71.23%		
1.3	PLF	%	65.55%	65.55%	65.54%	65.54%	74.14%	74.14%	87.56%	87.56%	59.62%	59.62%	48.16%	48.16%	56.53%	56.53%	77.86%	77.86%	64.77%	61.62%	61.62%	79.34%	79.34%	79.34%	79.34%	79.34%	55.17%	55.17%	44.24%	44.24%	44.24%		
1.40	Gross Generation	MU	106.20	106.20	526.28	526.28	471.37	471.37	326.31	326.31	283.21	283.21	87.42%	87.42%	414.39	414.39	285.74	285.74	241.67	241.67	120.60	120.60	124.24	124.24	124.24	124.24	822.13	822.13	215.00	215.00	4.23	4.23	
1.50	Auxiliary Consumption excluding FGD	%	12.57%	10.96%	6.80%	6.00%	10.71%	9.70%	6.10%	6.00%	12.44%	10.75%	9.69%	7.80%	5.36%	6.00%	10.36%	9.30%	11.98%	9.30%	12.69%	8.50%	11.58%	10.81%	7.10%	6.00%	2.61%	3.10%	0.54%	1.00%	0.04	0.04	
1.60	Auxiliary Consumption excluding FGD	MU	13.35	11.64	35.81	31.58	50.57	45.72	19.91	19.58	35.23	30.44	66.67	53.67	22.19	24.86	29.59	26.57	28.96	22.48	15.30	10.25	14.38	13.43	58.40	49.33	5.62	6.66	0.02	0.04	0.04		
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%		
1.80	Auxiliary Consumption for FGD	MU	0.00	0.00	0.00	0.00	0.06	0.06	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	%	12.57%	10.96%	6.80%	6.00%	10.72%	9.71%	6.10%	6.00%	12.44%	10.75%	9.69%	7.80%	5.36%	6.00%	10.36%	9.30%	11.98%	9.30%	12.69%	8.50%	11.58%	10.81%	7.10%	6.00%	2.61%	3.10%	0.54%	1.00%	0.04	0.04	
1.10	Total Auxiliary Consumption (= 1.6 + 1.8)	MU	13.35	11.64	35.81	31.58	50.53	45.78	19.91	19.58	35.23	30.44	66.67	53.67	22.19	24.86	29.59	26.57	28.96	22.48	15.30	10.25	14.38	13.43	58.40	49.33	5.62	6.66	0.02	0.04	0.04		
1.11	Avg Generation	kcal/kWh	92.89	92.89	94.77	94.77	424.84	424.84	326.40	326.40	247.97	247.97	247.97	247.97	247.97	247.97	308.23	296.13	296.13	308.23	219.49	219.49	110.81	110.81	110.81	110.81	110.81	77.20	209.37	208.33	4.21	4.192	
1.12	Heat Rate	kcal/kWh	2810.75	2787.00	2565.55	2375.00	2756.69	2630.00	2605.69	2375.00	2792.61	2754.00	2794.52	2688.00	2433.44	2375.00	2378.99	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	2430.00	
1.13	Secondary Fuel Oil Consumption	ml/kWh	0.20	1.40	0.12	0.50	0.62	1.20	0.00	0.50	0.93	1.00	0.66	1.00	0.00	0.50	0.80	0.50	0.80	0.50	1.26	0.50	1.27	0.50	0.00	2.81	0.77	0.50					
1.14	Transit Loss for Dimeric Coal	%	0.65%	0.800%	0.831%	0.800%	1.970%	0.800%	1.966%	0.800%	0.800%	0.800%	0.540%	0.398%	0.800%	0.800%	0.792%	0.800%	0.420%	0.792%	0.800%	0.73%	0.0%	1.449%	0.800%	0.998%	0.800%	0.0%	0.0%	0.0%	0.0%		
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%	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%	0.0%		
	SHR coal component		2808.81	2773.27	2564.40	2370.10	2750.72	2618.47	2695.69	2370.20	2783.78	2744.46	2788.28	2678.57	2433.44	2370.29	2371.34	2425.29	2464.12	2425.27	2455.03	2425.27	2455.03	2425.27	2421.36	2323.30	2309.55	2225.25					
2	Fuel parameters (for each primary and secondary fuel)																																
2.1	Calorific Value																																
2.1.1	Domestic Coal (As Billed)	kcal/kg	3902.00	3902.00	3899	3899	4013	4013	4013	4013	3889	3889	3954	3954	3999	3999	3964.00	3964.00	3564	3564	3561	3561	3561	3561	3560.00	3560.00	3933.00	3933.00	3933.00	8704	8704	8710	
2.1.2	Imported Coal (As Billed)	kcal/kg	4601.00	4601.00	4603	4603	4690	4690	4690	4690	4611	4611	4685	4685	4682	4682	0	0	0	0	0	0	0	0	0.00	0.00	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	3251.00	3251.00	3251.00	3251.00	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	4030.00	4030.00	3659.00	3659.00	3659.00	3659.00	3659.00	3659.00	
	Domestic Coal (As Received)- Actual	kcal/kg	3241.00	3241.00	3192.00	3192.00	3415.00	3415.00	3415.00	3415.00	3246.00	3246.00	3272.00	3272.00	3316.00	3316.00	3443.00	3443.00	3150.00	3150.00	3150.00	3150.00	3150.00	3150.00	2911.00	2911.00	3298.00	3298.00	3298.00	3298.00	3298.00	3298.00	
	GCV loss between loading end and unloading end-Domestic Actual	kcal/kg	661.00	661.00	707.00	707.00	598.00	598.00	598.00	598.00	643.00	643.00	682.00	682.00	683.00	683.00	521.00	521.00	414.00	414.00	411.00	411.00	411.00	411.00	649.00	649.00	635.00	635.00	635.00	635.00	635.00	635.00	
	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	598.00	598.00	598.00	598.00	643.00	643.00	650.00	650.00	650.00	650.00	521.00	521.00	414.00	414.00	411.00	411.00	411.00	411.00	649.00	649.00	635.00	635.00	635.00	635.00	635.00	635.00	
	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	598.00	598.00	598.00	598.00	643.00	643.00	650.00	650.00	650.00	650.00	521.00	521.00	414.00	414.00	411.00	411.00	411.00	411.00	649.00	649.00	635.00	635.00	635.00	635.00	635.00	635.00	
	Domestic coal As received GCV for FAC computation	kcal/kg	3252.00	3252.00	3249.00	3249.00	3415.00	3415.00	3415.00	3415.00	3246.00	3246.00	3304.00	3304.00	3349.00	3349.00	3443.00	3443.00	3150.00	3150.00	3150.00	3150.00	3150.00	3150.00	2911.00	2911.00	3298.00	3298.00	3298.00	3298.00	3298.00	3298.00	
	Wash Coal (As Received)	kcal/kg	0.00	0.00	0.00	0.00	3372.00	3372.00	3372.00	3372.00	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	3725.00	3725.00	3412.00	3412.00	3412.00	3412.00	3412.00	3412.00
	GCV loss between loading end and unloading end-Wash Coal Actual	kcal/kg	0.00	0.00	0.00	0.00	-121.00	-121.00	-121.00	-121.00	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	3725.00	3725.00	3412.00	3412.00	3412.00	3412.00	3412.00	3412.00	
	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	-121.00	-121.00	-121.00	-121.00	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	300.00	300.00	247.00	247.00	247.00	247.00	247.00	247.00	
	Wash coal As received GCV for FAC computation	kcal/kg	0.00	0.00	0.00	0.00	3372.00	3372.00	3372.00	3372.00	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	3730.00	3730.00	3412.00	3412.00	3412.00	3412.00	3412.00	3412.00	
2.1.4	Imported Coal (As Received)	kcal/kg	4601.00	4601.00	4603	4603	4690	4690	4690	4690	4611	4611	4685	4685	4682	4682	0	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	3241.00	3241.00	3192.00	3192.00	3415.00	3415.00	3415.00	3415.00	3246.00	3246.00	3272.00	3272.00	3316.00	3316.00	3443.00	3443.00	3150.00	3150.00	3150.00	3150.00	3150.00	3150.00	3042.76	3042.76	3351.96	3351.96	3351.96	3351.96	3351.96	3351.96	
	Weighted avg. received GCV Imported Coal - Actual	kcal/kg	4601.00	4601.00	4603.00	4603.00	4690.00	4690.00	4690.00	4690.00	4611.00	4611.00	4685.00	4685.00	4682.00	4682.00	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	
	Weighted Avg Raw & Wash Coal for FAC Computations	kcal/kg	3252.00	3252.00	3249.00	3249.00	3415.00	3415.00	3415.00	3415.00	3246.00	3246.00	3304.00	3304.00	3349.00	3349.00	3443.00	3443.00	3150.00	3150.00	3150.00	3150.00	3150.00	3150.00	3043.57	3043.57	3351.96	3351.96	3351.96	3351.96	3351.96	3351.96	
	Weighted Avg Imported Coal for FAC Computations	kcal/kg	4601.00	4601.00	4603.00	4603.00	4690.00	4690.00	4690.00	4690.00	4611.00	4611.00	4685.00	4685.00	4682.00	4682.00	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	
2.1.5	L.D.O	kcal/kg	11267.00	11267.00	11267.00	11267.00	10677.00	10677.00	10677.00	10677.00	10649.00	10649.00	10754.00	10754.00	10754.00	10754.00	10795.00	10795.00	10621.00	10621.00	10621.00	10621.00	10621.00	10621.00	10774.00	10774.00	10774.00	10774.00	10774.00	10774.00	10774.00	10774.00	
2.1.6	F.O	kcal/kg	10564.00	10564.00	10564.00	10564.00	10432.00	10432.00	10432.00	10432.00	10342.00	10342.00	10175.00	10175.00																			

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