

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 DECEMBER-2024 (R0)

(*Effective from 16.12.2024 to 15.01.2025)

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	23.9347	0.0000	23.9347
2	KAWAS (NAPM-COM GAS)	CS	-	Gas	13.0306	0.0000	13.0306
3	GANDHAR (NAPM-COM GAS)	CS	-	Gas	12.9921	0.0000	12.9921
4	KAWAS (RLNG)	CS	-	Gas	10.4734	0.0000	10.4734
5	JGPS (RLNG)	CS	-	Gas	10.4224	0.0000	10.4224
6	Uran GTPS (Open cycle operation)	MSPGCL	-	Gas	7.3370	0.0000	7.3370
7	KAWAS (APM GAS)	CS	200	Gas	5.9509	0.0000	5.9509
8	GANDHAR (APM GAS)	CS	204	Gas	5.9197	0.0000	5.9197
9	Nasik Unit - 03 to 05	MSPGCL	630	Coal	5.4930	0.0000	5.4930
10	Parali Unit -08	MSPGCL	250	Coal	5.2770	0.0000	5.2770
11	Uran GTPS (Combined cycle operation)	MSPGCL	840.0000	Gas	5.2600	0.0000	5.2600
12	Parali Unit - 06 & 07	MSPGCL	500	Coal	5.2350	0.0000	5.2350
13	Bhusawal Unit - 03	MSPGCL	210	Coal	5.0800	0.0000	5.0800
14	Solapur STPS	CS	642	Coal	4.6785	0.0000	4.6785
15	Bhusawal Unit - 04 & 05	MSPGCL	1000	Coal	4.3770	0.0000	4.3770
16	Chandrapur Unit - 03 to 07	MSPGCL	1920	Coal	4.2180	0.0000	4.2180
17	Khargone	CS	85	Coal	4.1126	0.0000	4.1126
18	Gadarwara	CS	46	Coal	3.9642	0.0000	3.9642
19	MSTPS-II	CS	531	Coal	3.9576	0.0000	3.9576
20	MSTPS-I	CS	394	Coal	3.9492	0.0000	3.9492
21	Paras Unit - 03 & 04	MSPGCL	500	Coal	3.9250	0.0000	3.9250
22	JSW U1, Jaigad	IPP	300	Coal	3.8800	0.0000	3.8800
23	CGPL	CS	760	Coal	3.8714	0.0000	3.8714
24	APML U-1,4 & 5 (440 MW PPA)	IPP	440	Coal	2.4209	1.3961	3.8170
25	APML, Unit 1,4 & 5 (1200 MW PPA)	IPP	1200	Coal	2.3609	1.3961	3.7570
26	APML, Unit 1,4 & 5 (125 MW PPA)	IPP	125	Coal	2.3609	1.3961	3.7570
27	Khaperkheda Unit - 01 to 04	MSPGCL	840	Coal	3.6630	0.0000	3.6630
28	APML, Unit 2 & 3 (1320 MW PPA)	IPP	1320	Coal	1.7040	1.8860	3.5900
29	Koradi Unit - 06	MSPGCL	210	Coal	3.5110	0.0000	3.5110
30	IEPL TO MSEDCL	STOA	180	Coal	3.5070	0.0000	3.5070
31	Chandrapur Unit - 08,09	MSPGCL	1000	Coal	3.4360	0.0000	3.4360
32	Koradi Unit - 08 to 10	MSPGCL	1980	Coal	3.3050	0.0000	3.3050
33	EMCO	CS	200	Coal	3.2082	0.0000	3.2082
34	SWPGPL TO MSEDCL	LTOA	240	Coal	2.5409	0.4520	2.9929
35	RattanIndia Power Ltd, Amravati	IPP	1200	Coal	2.3962	0.5816	2.9778
36	Khaperkheda Unit - 05	MSPGCL	500	Coal	2.9750	0.0000	2.9750
37	KHTPS-II	CS	148	Coal	2.6186	0.0000	2.6186
38	SSTPS-II	CS	274	Coal	2.2840	0.0000	2.2840
39	SSTPS-I	CS	556	Coal	2.2194	0.0000	2.2194
40	VSTP-I	CS	432	Coal	2.1456	0.0000	2.1456
41	VSTPS-V	CS	161	Coal	2.0572	0.0000	2.0572
42	VSTP-II	CS	336	Coal	2.0300	0.0000	2.0300
43	VSTPS-III	CS	275	Coal	2.0038	0.0000	2.0038
44	VSTP-IV	CS	294	Coal	1.9873	0.0000	1.9873
45	KSTPS I AND II	CS	635	Coal	1.6674	0.0000	1.6674
46	KSTPS-III	CS	120	Coal	1.6172	0.0000	1.6172
47	Lara	CS	114	Coal	1.3867	0.0000	1.3867
DECENTRALISED MOD STACK FOR AEML							
1	ADTPS U-1 & 2	DTPS	500	Coal	4.5640	0.0000	4.5640
DECENTRALISED MOD STACK FOR TPCL-D							
1	TPC U-7 (RLNG)-NAPM	TATA	xxx	Gas	11.8500	0.0000	11.8500
2	TPC U-8	TATA	250	Coal	5.6590	0.0000	5.6590
3	TPC U-5	TATA	500	Coal/Oil/Gas	5.6320	0.0000	5.6320
4	TPC U-7 (APM) *	TATA	180	Gas	5.1060	0.0000	5.1060
DECENTRALISED MOD STACK FOR BEST							
1	TPC U-7 (RLNG)	TATA	xxx	Gas	11.8500	0.0000	11.8500
2	TPC U-8	TATA	250	Coal	5.6590	0.0000	5.6590
3	TPC U-5	TATA	500	Coal/Oil/Gas	5.6320	0.0000	5.6320
4	TPC U-7 (APM) *	TATA	180	Gas	5.1060	0.0000	5.1060
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 15.12.2024.

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.

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: 119/2024

Bill Date: 01-12-2024

Due date: 30-12-2024

Energy Bill of MAHAGENCO for the Month of November-2024 (From 01.11.2024 (00.00Hrs) to 30.11.2024(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)	66.751831	4.461	2977.79918	1481.92677	4459.72595	-139.18308	1621.10985	4598.90903
2	BHUSAWAL (Unit 4-5)	406.553562	3.746	15229.49643	8713.29190	23942.78833	-658.892910	9372.18481	24601.68124
3	KHAPARKHEDA (Unit 1- 4)	360.954955	4.218	15225.08000	5344.75006	20569.83006	321.95707	5022.79299	20247.87299
4	KHAPARKHEDA U # 5	285.604392	4.019	11478.44051	4822.59231	16301.03282	0.00000	4822.59231	16301.03282
5	NASHIK (Unit 3-5)	182.249496	4.641	8458.19911	4104.28997	12562.48908	0.00000	4104.28997	12562.48908
6	CHANDRAPUR (Unit 3-7)	693.493044	4.097	28412.41001	9452.65463	37865.06464	50.50018	9402.15445	37814.56446
7	CHANDRAPUR (Unit- 8 & 9)	435.918376	3.442	15004.31050	10235.54230	25239.85280	1838.02766	8397.51464	23401.82514
8	PARAS (Unit 3- 4)	224.393902	3.510	7876.22596	4688.60884	12564.83480	-184.67829	4873.28713	12749.51309
9	PARLI (Unit 6- 7)	163.409580	5.096	8327.35220	4018.80666	12346.15886	-587.15597	4605.96263	12933.31483
10	PARLI (Unit 8)	96.517573	5.052	4876.06779	3205.51204	8081.57983	-125.99395	3331.50599	8207.57378
11	KORADI (Unit 6)	103.084759	3.368	3471.89468	2568.81829	6040.71297	-291.11541	2859.93370	6331.82838
12	KORADI (Unit- 8,9 & 10)	962.732390	3.119	30027.62324	16420.98683	46448.61007	-942.57467	17363.56150	47391.18474
13	GTPS URAN (Unit 5 -10)	197.944158	6.760	13381.02508	1062.58224	14443.60732	-1296.03798	2358.62022	15739.64530
	TOTAL THERMAL	4179.608018		164745.92469	76120.36284	240866.28753	-2015.14735	78135.51019	242881.43488

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

242881.43488

Bill amount in words Rs. Two Thousand Four Hundred and Twenty Eight crores Eighty Nine lakhs Forty Two Thousand one hundred and thirty seven only.(E & OE).

Note: Revised energy bill after AVF correction due to delayed change in Peak and Off peak Hours from MSLDC side.

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

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											
Calculation for Cummulative AVF Based AFC Disallowance upto November 2024														
Month : Nov-24 Season : Low Demand Season Month no. in the season: 6														
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 Cummulative AVF upto November 2024 (%)	Actual off-peak period Cummulative AVF upto November 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 November 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	8354.3711000	80.00%	1670.8742200	6683.4968800	76.438%	75.110%	1596.47855	6274.96813	7871.44668	482.9244200	622.10750	-139.18308
2	BHUSAWAL (Unit 4-5)	104245.5028200	52122.7514100	85.00%	10424.5502820	41698.2011280	80.221%	78.201%	9838.44527	38362.83560	48201.28088	3921.4705300	4580.36344	-658.89291
3	KHAPARKHEDA (Unit 1- 4)	66203.0239700	33101.5119900	85.00%	6620.3023970	26481.2095880	72.396%	72.192%	5638.62838	22490.95862	28129.58700	4971.9249900	4649.96792	321.95707
4	KHAPARKHEDA U # 5	54285.1077700	27142.5538900	85.00%	5428.5107770	21714.0431080	87.796%	86.770%	5428.51078	21714.04311	27142.55389	0.0000000	0.00000	0.00000
5	NASHIK (Unit 3-5)	47893.4796700	23946.7398400	80.00%	4789.3479670	19157.3918680	82.760%	82.079%	4789.34797	19157.39187	23946.73984	0.0000000	0.00000	0.00000
6	CHANDRAPUR (Unit 3-7)	132275.9359000	66137.9679500	80.00%	13227.5935900	52910.3743600	66.380%	64.659%	10975.59578	42764.14870	53739.74448	12398.2234700	12347.72329	50.50018
7	CHANDRAPUR (Unit- 8 & 9)	122255.5075700	61127.7537900	85.00%	12225.5075700	48902.2030280	63.313%	62.233%	9106.30935	35803.89178	44910.20113	16217.5526600	14379.52500	1838.02766
8	PARAS (Unit 3- 4)	56701.9392600	28350.9696300	85.00%	5670.1939260	22680.7757040	70.106%	68.686%	4676.64253	18327.66776	23004.31030	5346.6593300	5531.33762	-184.67829
9	PARALI (UNIT 6-7)	46863.6799600	23431.8399800	85.00%	4686.3679960	18745.4719840	79.848%	79.335%	4402.31896	17496.14141	21898.46037	1533.3796100	2120.53558	-587.15597
10	PARALI (UNIT 8)	37621.1444600	18810.5722300	85.00%	3762.1144460	15048.4577840	86.886%	85.758%	3762.11445	15048.45778	18810.57223	0.0000000	125.99395	-125.99395
11	KORADI (Unit 6)	26952.8195200	13476.4097600	72.00%	2695.2819520	10781.1278080	70.194%	70.119%	2627.67530	10499.47084	13127.14614	349.2636200	640.37903	-291.11541
12	KORADI (Unit- 8, 9 & 10)	223955.7753700	111977.8876900	85.00%	22395.5775370	89582.3101480	73.671%	71.485%	19410.64227	75338.72283	94749.36510	17228.5225900	18171.09726	-942.57467
13	GTPS URAN (Unit 5 -10)	28191.4427200	14095.7213600	38.11%	2819.1442720	11276.5770880	59.262%	59.462%	2819.14427	11276.57709	14095.72136	0.0000000	1296.03798	-1296.03798
	TOTAL THERMAL	964154.1011900	482077.0506200		96415.4101190	385661.6404760			85071.85385	334555.27553	419627.12940	62449.92122	64465.06857	-2015.14735
													(E & OE)	-2015.14735
Note: Revised energ bill after AVF correction due to delayed change in Peak and Off peak hours from MSLDC side.														
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. 120/ 2024		Bill Date: 01-12-2024				Due date: 30-12-2024		
Energy Bill of MAHAGENCO for the Month of Nov-2024 [From 01-11-2024 (00.00 Hrs) to 30-11-2024 (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	55.061175	0.229	126.090091	183.08522	99.61	203.428020	329.51811
2	KGSC Stage III	18.156960	0.229	41.579438	97.64545	100.00	108.918520	150.49796
3	KGSC Stage IV	22.349024	0.229	51.179265	305.14203	100.00	340.370360	391.54962
4	KDPH	0.000810	0.229	0.001855	10.98511	90.00	11.028000	11.02985
5	Total KGSC	95.567969		218.850649	596.85781		663.744900	882.59555
BHIRA TR HPS								
6	Bhira HPS U # 1 & 2	5.319721	0.554	29.471254	32.115210	50.304850	17.950560	47.42181
7	Bhira Total	5.319721		29.471254	32.115210	50.30	17.950560	47.42181
TILLARI HPS								
8	Tillari HPS U # 1	9.360858	0.812	76.010167	70.903690	100.00	78.781880	154.79205
9	Tillari Total	9.360858		76.010167	70.903690	100.00	78.781880	154.79205
10	Total for High Capacity Hydro P.S.	110.248548		324.332070	699.87671		760.47734	1084.80941
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	-0.043038	0.00000	0.00000	147.28152			147.28152
12	Ghatghar PSS	5.408710	0.00000	0.00000	613.67301			613.67301
13	Total Mahagenco's Hydro (Including Ghatghar PSS)	115.614220					1845.76394	
III. BILL SUMMARY								
14	TOTAL ENERGY BILL AMOUNT IN RS. CR. FOR MSPGCL'S LARGE HYDRO STATIONS FOR THE MONTH OF						November-2024	18.4576394
Total Energy Bill Amount for MSPGCL's Large Hydro Power Stations is Rs. 18.4576394 Cr. in words (Rupees Eighteen Crore Forty Five Lakh Seventy Six Thousand Three Hundred Ninety Four and Paise Zero Only) (E & OE).								
Chief Engineer (Regulatory & Commercial Dept.)								

1. Koyna Generating Station Complex, Pophali Stage -I & II							
Sr.No.	Unit No. & Capacity	Gen. for the Month. (MU)	Auxiliary Cons. (MU)	Net. Gen. (MU).	NAPAF (as per MERC)	Actual PAFM	PAFM/NAPAF
1	U#1 70 MW	4.990000	0.968825	55.061175	89.65	99.61	1.111111
2	U#2 70 MW	7.415000					
3	U#3 70 MW	8.600000					
4	U#4 70 MW	8.225000					
5	U#5 80 MW	6.560000					
6	U#6 80 MW	8.030000					
7	U#7 80 MW	6.605000					
8	U#8 80 MW	5.605000					
Total		56.030000	0.968825	55.061175	89.65	99.61	1.111111
Stage - III							
Sr.No.	Unit No. & Capacity	Gross Gen. For the Month. (MU)	Auxiliary Cons. (MU)	Net Gen. (MU)	NAPAF (as per MERC)	Actual PAFM	PAFM/NAPAF
1	U#9 80 MW	4.582000	0.179040	18.156960	89.65	100.00	1.115449
2	U#10 80 MW	4.616000					
3	U#11 80 MW	4.252000					
4	U#12 80 MW	4.886000					
Total		18.336000	0.179040	18.156960	89.65	100.00	1.115449
Stage - IV							
Sr.No.	Unit No. & Capacity	Gross Gen. For the Month. (MU)	Auxiliary Cons. (MU)	Net Gen. (MU)	NAPAF (as per MERC)	Actual PAFM	PAFM/NAPAF
1	U # 13 250 MW	4.475000	0.932976	22.349024	89.65	100.00	1.115449
2	U# 14 250 MW	8.539000					
3	U # 15 250 MW	5.286000					
4	U # 16 250 MW	4.982000					
Total		23.282000	0.932976	22.349024	89.65	100.00	1.115449
KDPH							
Sr.No.	Unit No. & Capacity	Gross Gen. For the Month. (MU)	Auxiliary Cons. (MU)	Net Gen. (MU)	NAPAF (as per MERC)	Actual PAFM	PAFM/NAPAF
1	U#1 18 MW	0.018000	0.017190	0.000810	89.65	90.00	1.003904
2	U#2 18 MW	0.000000					
Total		0.018000	0.017190	0.000810	89.65	90.00	1.003904
Unit/Station	Unit No. & Capacity	Gross Gen. For the Month. (MU)	Auxiliary Cons. (MU)	Net Gen. (MU)	NAPAF (as per MERC)	Actual PAFM	PAFM/NAPAF
Bhira TR	U#1 &2 80 MW	5.328000	0.008279	5.319721	90.00	50.30	0.558943
Total		5.328000	0.008279	5.319721	90.00	50.30	0.558943
Unit/Station	Unit No. & Capacity	Gross Gen. For the Month. (MU)	Auxiliary Cons. (MU)	Net Gen. (MU)	NAPAF (as per MERC)	Actual PAFM	PAFM/NAPAF
Tillari	U#1 60 MW	9.399000	0.038142	9.360858	90.00	100.00	1.111111
Total		9.399000	0.038142	9.360858	90.00	100.00	1.111111
Sr.No	Other Large Hydro	Unit No. & Capacity		Net Gen. (MU)			
1	Vaitarna	1 X 60		-0.043038	MUs		
2	Ghatghar PSS	2 X 125		5.408710	MUs		

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. 122/2024		Bill Date: 01-12-2024		Due date 30-12-2024
Energy Bill of MAHAGENCO for the Month of Nov-2024 [From 01-11-2024 (00.00 Hrs) to 30-11-2024 (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	1.642378	55.23057104
2	Paithan	1 X 12	-0.003259	29.45630455
VAITARNA DIVISION				
4	Vaitarna Dam Toe	1 X 1.5	-0.001779	3.682038069
5	Bhatsa	1 X 15	10.665982	36.82038069
6	Surya	1 X 6	1.239292	14.72815228
BHATGHAR DIVISION				
8	Bhatghar	1X 16	-0.017826	39.27507274
9	Kanher	1 X 4	0.388200	9.818768185
10	Dhom	2 X 1	0.150620	4.909384092
11	Ujjani	1 X 12	0.551056	29.45630455
12	Warana	2 X 8	5.126837	39.27507274
PANSHET DIVISION				
13	Panshet	1 X 8	-0.005028	19.63753637
14	Varasgaon	1 X 8	-0.006749	19.63753637
15	Pawana	1 X 10	1.690734	24.54692046
16	Manikdoh	1 X 6	-0.009263	14.72815228
17	Dimbhe	1 X 5	0.046713	12.27346023
BHIRA DIVISION				
18	Dudhganga	2 X 12	3.449756	58.91260911
19	Terwanmedhe	1 X 0.2	0.036235	0.49093841
20	Radhanagari	4 X 1.2	-0.000238	11.78252182
TOTAL			24.9436610	424.66172
III. BILL SUMMARY				
21	TOTAL ENERGY BILL IN RS CRORE AMOUNT FOR MAHAGENCO'S SMALL HYDRO STATIONS FOR THE MONTH OF		Nov-24	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)				

Other Small Hydro

NAME OF H. P. S.	Capacity (No. of Units X MW)	Net energy exported
YELDARI DIVISION		
Yeldari	3 X 7.5	1.642378
Paithan	1 X 12	-0.003259
* Sub TOTAL		1.639119
VAITARNA DIVISION		
Vaitarna Dam Toe	1 X 1.5	-0.001779
Bhatsa	1 X 15	10.665982
Surya	1 X 6	1.239292
TOTAL		11.903495
TOTAL		13.542614

NAME OF H. P. S.	Capacity (No. of Units X MW)	NET ENERGY EXPORTED IN MUS
BHATGHAR DIVISION		
Bhatghar	1X 16	-0.017826
Kanher	1 X 4	0.388200
Dhom	2 X 1	0.150620
Ujjani	1 X 12	0.551056
Warana	2 X 8	5.126837
TOTAL		6.198887
PANSHET DIVISION		
Panshet	1 X 8	-0.005028
Varasgaon	1 X 8	-0.006749
Pawana	1 X 10	1.690734
Manikdoh	1 X 6	-0.009263
Dimbhe	1 X 5	0.046713
TOTAL		1.716407
TILLARI DIVISION		
Dudhganga	2 X 12	3.449756
Terwanmedhe	1 X 0.2	0.036235
Radhanagari	4 X 1.2	-0.000238
TOTAL		3.485753
Sub TOTAL		11.401047

Grand TOTAL (PUNE + NASHIK)	24.943661
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MAHARASHTRA STATE POWER GENERATION CO. LTD.

PH : 26474211, 26472131

Fax : +91-22-26580643

Email – rcgen@mahagenco.in

PH : 26474211, 26472131

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

121/ 2024

01-12-2024

Condition

Payment Due Date : 30-12-2024

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

Nov-24

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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PH : 26474211, 26472131

Fax : +91-22-26580643

Email – rcgen@mahagenco.in

PH : 26474211, 26472131

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. 123/ 2024

Billing Date 01-12-2024

Condition

Payment Due Date : 30-12-2024

Bill for Small Hydro Power stations' Lease Rent for the month of Nov-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	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.		2.109250000

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

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

Ref. No. RCD24/15/LT1656

Date: 10-12-2024

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 Nov -2024 Part-I.

- Ref: 1) Energy Bill for Nov-2024 Dt.01.11.2024
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 October 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 Nov-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 Nov-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 may 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 may 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 Nov -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 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*
- *FY 2024-25: 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 Nov -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 Nov-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 Nov-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 **Nov-2024** is **Rs. 8,22,06,838/- in words Rs. Eight Crore Twenty Two Lakh Six Thousand Eight Hundred Thirty Eight Only.**

Part (II) of the FAC bill for Nov-2024 for differential amount based on Coal Sampling Report as per methodology will be raised later on after receipt of these 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 Nov-2024 once the relevant data is compiled.

Therefore, it is requested to issue necessary directives for the payment of the above bill in as per the due date mentioned herewith.

Thanking you,

Yours faithfully,

Chief Engineer (RCD), MSPGCL

Encl.: As above

MAHARASHTRA STATE POWER GENERATION CO. LTD.

PH: 26472211, 26472131

FAX:91-22-26580643

Email: rcgen@mahagenco.in

Regulatory & Commercial
Dept.

Prakashgad, 3rd Floor,

Bandra (E) Mumbai 400 051

Bill No	133/2024	Date:	10-12-2024	Due date:	08-01-2025
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Provisional Part-I Fuel Surcharge Adjustment bill for the Month of Nov -2024

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)	(b1)	(c) = (b - a)	(d)	(e) = d X c X 10
1	Bhusawal#3	4.461	5.080		0.619	66.751831	413.19383
2	Bhusawal#4-5	3.746	4.377		0.631	406.553562	2565.35298
3	K'kheda#1- 4	4.218	3.663	3.690	-0.528*	360.954955	-1905.84216
4	K'kheda#5	4.019	2.975		-1.044	285.604392	-2981.70985
5	Nashik#3-5	4.641	5.493		0.852	182.249496	1552.76571
6	Chandrapur#3-7	4.097	4.218		0.121	693.493044	839.12658
7	Chandrapur#8-9	3.442	3.436		-0.006	435.918376	-26.15510
8	Paras# 3-4	3.510	3.925		0.415	224.393902	931.23469
9	Parali#6-7	5.096	5.235		0.139	163.409580	227.13932
10	Parali#8	5.052	5.277		0.225	96.517573	217.16454
11	Koradi#6	3.368	3.511		0.143	103.084759	147.41121
12	Koradi#8-10	3.119	3.305		0.186	962.732390	1790.68225
13	GTPS Uran (Combine cycle)	6.760	5.260		-1.500	196.939500	-2954.09250
14	GTPS Uran (Open cycle)	6.760	7.337		0.577	1.004658	5.79688
TOTAL MSPGCL FAC BILL						4179.608018	822.06838

*In case of Khaperkheda U#1-4, (c)=(b1)-(a)

The provisional Part-I Fuel Surcharge Adjustment Bill for MSPGCL stations to MSEDCL for the month of Nov-24 is Rs. 8,22,06,838/- (in words, Rs. Eight Crore Twenty Two Lakh Six Thousand Eight Hundred Thirty Eight Only)

Chief Engineer
Regulatory & Commercial Dept.

F10 - ECR calculation for November-2024																								combined cycle		Open cycle					
S. No.	Particulars	Units	Bhusawal	Bhusawal	Bhusawal 4 & 5	Bhusawal 4 & 5	Khaperkheda 1 TO 4	Khaperkheda 1 TO 4	Khaperkheda - 5	Khaperkheda -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	
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	1980	1980	672	672	672	672	
1.2	Availability	%	88.02%	88.02%	91.72%	91.72%	69.65%	69.65%	86.15%	86.15%	90.18%	90.18%	67.63%	67.63%	69.84%	69.84%	87.36%	87.36%	98.10%	98.10%	94.14%	94.14%	81.61%	81.61%	75.97%	75.97%	69.94%	69.94%	69.94%	69.94%	
1.3	PLF	%	49.74%	49.74%	60.24%	60.24%	66.04%	66.04%	84.38%	84.38%	50.11%	50.11%	54.56%	54.56%	64.48%	64.48%	68.97%	68.97%	50.31%	50.31%	58.79%	58.79%	76.40%	76.40%	71.76%	71.76%	42.22%	42.22%	42.22%	42.22%	
1.40	Gross Generation	MU	80.470	80.470	443.739	443.74	408.57	408.57	305.57	305.57	227.28	227.28	770.87	770.87	464.12	464.12	254.61	254.61	184.17	184.17	113.07	113.07	116.60	116.60	1039.98	1039.98	201.59	201.59	1.13	1.13	
1.50	Auxiliary Consumption excluding FGD	%	13.81%	10.96%	11.06%	6.00%	11.06%	9.70%	6.49%	6.00%	12.97%	10.75%	10.29%	6.17%	6.00%	11.36%	9.30%	12.23%	12.23%	9.30%	12.09%	8.50%	11.89%	10.81%	6.85%	6.00%	2.70%	3.10%	1.28%	1.00%	
1.60	Auxiliary Consumption excluding FGD	MU	11.11	8.82	32.22	26.62	45.21	39.63	19.83	18.33	29.48	24.43	79.31	60.13	28.66	27.85	28.93	23.68	22.52	17.13	13.68	9.61	13.86	12.60	71.24	62.40	5.44	6.25	0.01	0.01	
1.70	Auxiliary Consumption for FGD	%	0.00%	0.00%	0.00%	0.00%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	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	
1.90	Total Auxiliary Consumption	%	13.81%	10.96%	7.26%	6.00%	11.08%	9.72%	6.49%	6.00%	12.97%	10.75%	10.29%	7.80%	6.17%	6.00%	11.36%	9.30%	12.23%	9.30%	12.09%	8.50%	11.89%	10.81%	6.85%	6.00%	2.70%	3.10%	1.28%	1.00%	
1.10	Total Auxiliary Consumption (= 1.6 + 1.8)	MU	11.11	8.82	32.22	26.62	45.27	39.69	19.83	18.33	29.48	24.43	79.31	60.13	28.66	27.85	28.932407	23.68	22.52	17.13	13.68	9.61	13.86	12.60	71.24	62.40	5.44	6.25	0.014	0.011	
1.11	Net Generation (= 1.4 - 1.10)	MU	69.36	71.65	411.51	417.11	363.30	368.88	285.74	287.24	197.799000	202.85	691.56	710.74	435.46	436.27	225.673593	230.93	161.64	167.04	99.40	103.46	102.732	103.99	968.74	977.58	196.152991	195.34	1.12	1.123	
1.12	Heat Rate	kcal/kWh	2826.85	2787.00	2583.65	2375.00	2723.91	2630.00	2545.79	2375.00	2860.45	2754.00	2870.59	2688.00	2477.43	2375.00	2460.66	2430.00	2578.01	2430.00	2542.26	2430.00	2439.77	2350.00	2403.01	2230.00	2049.76	2035.00	3203.02	2900.00	
1.13	Secondary Fuel Oil Consumption	ml/kWh	1.21	1.40	0.48	0.50	0.60	1.20	0.33	0.50	2.93	1.00	0.88	1.00	0.00	0.50	1.06	0.50	0.50	0.50	0.30	0.50	0.50	0.30	0.50	0.50	0.50	0.50	0.50	0.50	
1.14	Transit Loss for Domestic Coal	%	1.571%	0.800%	1.606%	0.800%	0.320%	0.800%	0.305%	0.800%	0.490%	0.800%	0.206%	0.800%	0.122%	0.800%	0.797%	0.800%	1.800%	0.800%	0.998%	0.800%	2.033%	0.800%	1.929%	0.800%	0%	0%	0%	0%	
1.15	Transit Loss for washed Coal	%	0%	0%	-1.12%	0%	-1.12%	80%	-1.12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	SHR coal component		2815.02	2773.27	2578.99	2370.10	2718.23	2618.69	2542.69	2370.29	2832.55	2744.46	2862.36	2678.65	2473.64	2370.33	2450.65	2425.29	2551.58	2425.27	2539.39	2425.27	2435.26	2322.95	2397.61	2225.19					
2	Fuel parameters (for each primary and secondary fuel)																														
2.1	Calorific Value																														
2.1.1	Domestic Coal (As Billed)	kcal/kg	3880.00	3880.00	3849	3849	3892	3892	3892	3892	3817	3817	3920	3920	3988	3988	4052.00	4052.00	3787	3787	3793	3793	3793.00	3723.00	3723.00	4063.00	4063.00	8686	8686	8681	8681
2.1.2	Imported Coal (As Billed)	kcal/kg	4601.00	4601.00	4615	4615	4679	4679	4679	4679	4610	4610	4685	4685	4678	4678	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	3256.00	3256.00	3256.00	3256.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3316.00	3316.00	3651.00	3651.00	0.00	0.00	0.00	0.00	
	Domestic Coal (As Received)- Actual	kcal/kg	3205.00	3205.00	3162.00	3162.00	3307.00	3307.00	3307.00	3307.00	3153.00	3153.00	3294.00	3294.00	3360.00	3360.00	3171.00	3171.00	3240.00	3240.00	3240.00	3240.00	3091.00	3091.00	3450.00	3450.00					
	GCV loss between loading end and unloading end-- Domestic Actual	kcal/kg	675.00	675.00	687.00	687.00	585.00	585.00	585.00	585.00	664.00	664.00	626.00	626.00	628.00	628.00	881.00	881.00	547.00	547.00	553.00	553.00	632.00	632.00	613.00	613.00					
	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	
	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	585.00	585.00	585.00	585.00	650.00	650.00	626.00	626.00	628.00	628.00	650.00	650.00	547.00	547.00	553.00	553.00	632.00	632.00	613.00	613.00					
	Domestic coal As received GCV for FAC computation	kcal/kg	3230.00	3230.00	3199.00	3199.00	3307.00	3307.00	3307.00	3307.00	3167.00	3167.00	3294.00	3294.00	3360.00	3360.00	3402.00	3402.00	3240.00	3240.00	3240.00	3240.00	3091.00	3091.00	3450.00	3450.00					
	Wash Coal (As Received)	kcal/kg	0.00	0.00	0.00	0.00	3049.00	3049.00	3049.00	3049.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2883.00	2883.00	3395.00	3395.00					
	GCV loss between loading end and unloading end-- Wash Coal Actual	kcal/kg	0.00	0.00	0.00	0.00	207.00	207.00	207.00	207.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	433.00	433.00	256.00	256.00					
	GCV loss between loading end and unloading end for Wash Coal as per Case No. 296 072019 (Min. of Actual or 300)	kcal/kg	0.00	0.00	0.00	0.00	207.00	207.00	207.00	207.00	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	256.00	256.00					
	Wash coal As received GCV for FAC computation	kcal/kg	0.00	0.00	0.00	0.00	3049.00	3049.00	3049.00	3049.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3016.00	3016.00	3395.00	3395.00					
2.1.4	Imported Coal (As Received)	kcal/kg	4601.00	4601.00	4615	4615	4679	4679	4679	4679	4610	4610	4685	4685	4678	4678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Weighted avg. received GCV Raw coal + Washed coal - Actual		3205.00	3205.00	3162.00	3162.00	3301.92	3301.92	3300.63	3300.63	3153.00	3153.00	3294.00	3294.00	3360.00	3360.00	3171.00	3171.00	3240.00	3240.00	3240.00	3240.00	3057.17	3057.17	3415.95	3415.95					
	Weighted avg. received GCV Imported Coal; - Actual		4601.00	4601.00	4615.00	4615.00	4679.00	4679.00	4679.00	4679.00	4610.00	4610.00	4685.00	4685.00	4678.00	4678.00	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	3230.00	3230.00	3199.00	3199.00	3301.92	3301.92	3300.63	3300.63	3167.00	3167.00	3294.00	3294.00	3360.00	3360.00	3402.00	3402.00	3240.00	3240.00	3240.00	3240.00	3078.80	3078.80	3415.95	3415.95					
	Weighted Avg Imported Coal for FAC Computations		4601.00	4601.00	4615.00	4615.00	4679.00	4679.00	4679.00	4679.00	4610.00	4610.00	4685.00	4685.00	4678.00	4678.00	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	10717.00	10717.00	10717.00	10717.00	10649.00	10649.00	10697.00	10697.00	10697.00	10697.00	10795.00	10795.00	10421.00	10421.00	10421.00	10421.00	10885.00	10885.00	10885.00	10885.00					
2.1.6	F.O	kcal/kg	10564.00	10564.00	10564.00	10564.00	10182.00	10182.00	10182.00	10182.00	10342.00	10342.00	10078.00	10078.00	10078.00	10078.00	10151.00	10151.00	10296.00	10296.00	10296.00	10296.00	10407.00	10407.00	10407.00	10407.00					
2.1.7	Fuel 4	kcal/unit																													
	Calorific Value after stacking loss																														
	Domestic + Washed Coal (As Fired)-- Actual	kcal/kg	3060.00	3060.00	2933.00	2933.00	3010.00	3010.00	3087.00	3087.00	2981.00	2981.00</																			