

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 SEPTEMBER-2026 (R0)
 (*Effective from 16.09.2026 to 15.10.2026)

Sr. no.	Generating Station	OWNER/TYPE	Installed Capacity (Share to SCGS (MW))	Type of Fuel	Variable Charge Rs./KWh in Descending Order		
					Approved Variable Charge(Rs/KWh)	Impact for approved change in fuel (Rs./KWh)	Total Variable Charge(Rs./KWh)
1	2	3	4	5	6	7	8
DECENTRALISED MOD STACK FOR MSEDCL							
1	KAWAS (LQ)	Gas	-	Gas	22.3587		22.3587
2	KAWAS (COM GAS)	Gas	-	Gas	21.8909		21.8909
3	JGPS (COM GAS)	Gas	-	Gas	21.7872		21.7872
4	KAWAS (RLNG)	Gas	-	Gas	20.3426		20.3426
5	JGPS (RLNG)	Gas	-	Gas	19.7380		19.7380
6	Uran GTPS (Open cycle operation)			Gas	8.9910		8.9910
7	Uran GTPS (Combined cycle operation)	Gas	672	Gas	6.4450		6.4450
8	Nasik Unit - 03 to 05	Coal	630	Gas	6.2150		6.2150
9	Bhusawal Unit - 03	Coal	210	Gas	5.1520		5.1520
10	CGPL Coastal Gujarat	Coal	760	Coal	5.1369		5.1369
11	Solapur STPS	Coal	1320/616.04	Coal	4.9363		4.9363
12	JSW U1, Jaigad	Coal	300	Coal	3.9853	0.7632	4.7485
13	Parali Unit - 06 & 07	Coal	500	Coal	4.2660		4.2660
14	Parali Unit -08	Coal	250	Coal	4.2640		4.2640
15	Bhusawal Unit - 04 & 05	Coal	1000	Coal	4.2150		4.2150
16	Chandrapur Unit - 03 to 07	Coal	1920	Coal	4.0390		4.0390
17	Paras Unit - 03 & 04	Coal	500	Coal	3.9990		3.9990
18	APML, Unit 2 & 3 (1320 MW)	Coal	1320	Coal	1.5730	2.1368	3.7098
19	Bhusawal Unit - 06	Coal	660	Coal	3.6560		3.6560
20	Khaperkheda Unit - 01 to 04	Coal	840	Coal	3.5650		3.5650
21	APML, 440 MW	Coal	440	Coal	2.3697	1.1308	3.5005
22	Khargone	Coal	1320/50	Coal	3.4869		3.4869
23	Chandrapur Unit - 08,09	Coal	1000	Coal	3.4770		3.4770
24	APML, Unit 1,4 & 5 125 MW	Coal	125	Coal	2.3097	1.1308	3.4405
25	APML, Unit 1,4 & 5 1200 MW	Coal	1200	Coal	2.3097	1.1308	3.4405
26	IEPL Case-IV Ideal Energy	Coal	180	Coal	3.5070	-0.0860	3.4210
27	Koradi Unit - 06	Coal	210	Coal	3.3990		3.3990
28	Khaperkheda Unit - 05	Coal	500	Coal	3.2190		3.2190
29	Gadarwara	Coal	1600/50	Coal	3.1180		3.1180
30	MSTPS-I	Coal	1000/370.48	Coal	3.0862		3.0862
31	GMR-Warora NTPC	Coal	200	Coal	3.0491		3.0491
32	Koradi Unit - 08 to 10	Coal	1980	Coal	3.0080		3.0080
33	MSTPS-II	Coal	1320/500.2	Coal	2.9784		2.9784
34	KHTPS-II	Coal	1500/148	Coal	2.9701		2.9701
35	SWPGL (Sai Wardha)	Coal	240	Coal	2.4897	0.3828	2.8725
36	VIPL UNIT-1&2 to MSEDCL (Powerpulse) Vidarbha Industries	Coal	543	Coal	2.7980		2.7980
37	VMPL to MSEDCL (Manikaran Power Ltd. (MPL)) Vidarbha Minerals	Coal	100	Coal	2.7980		2.7980
38	Jindal Power Ltd,Shirpur (Dhule) to MSEDCL	Coal	100	Coal	2.7980		2.7980
39	Jindal Power Limited,Tamnar (Interstate)	Coal	250	Coal	2.5781		2.5781
40	VSTP-I	Coal	1260/410	Coal	2.5010		2.5010
41	VSTPS-V	Coal	500/148.89	Coal	2.3875		2.3875
42	VSTP-II	Coal	1000/319	Coal	2.3861		2.3861
43	RattanIndia Power Ltd, Amravati	Coal	1200	Coal	2.0174	0.3662	2.3836
44	VSTPS-III	Coal	1000/258	Coal	2.3445		2.3445
45	VSTP-IV	Coal	1000/270.48	Coal	2.3154		2.3154
46	Lara	Coal	1600/230	Coal	1.7711		1.7711
47	KSTPS I AND II	Coal	2100/610	Coal	1.5047		1.5047
48	SSTPS-II	Coal	1000/258	Coal	1.4994		1.4994
49	KSTPS-III	Coal	500/108.2	Coal	1.4865		1.4865
50	SSTPS-I	Coal	1980/510	Coal	1.4838		1.4838
DECENTRALISED MOD STACK FOR AEML-D							
1	ADTPS U-1 & 2 Adani,Dahanu	ADTPS	500	Coal	4.2842	0.0000	4.2842
2	JINDAL PL U1&2 Dhule to AEML	MTOA	100	Coal	2.7850	0.0000	2.7850
3	DHARIWAL TO AEML	Inter/STOA	125	Coal	2.7690	0.0000	2.7690
4	IEPL -Ideal Energy TO AEML	MTOA	50	Coal	2.7690	0.0000	2.7690
5	SWPGL U1234 Sai Wardha TO AEML	MTOA	100	Coal	2.7140	0.0000	2.7140
DECENTRALISED MOD STACK FOR TPCL-D							
1	TPC U-7 (RLNG)	TATA	xxx	Gas	23.2830	0.0000	23.2830
2	TPC U-5	TATA	500.0000	Coal/Oil/Gas	7.3740	0.0000	7.3740
3	TPC U-8	TATA	250.0000	Coal	7.1620	0.0000	7.1620
4	TPC U-7 (APM)	TATA	180.0000	Gas	6.3090	0.0000	6.3090
5	JINDAL PL TO TATA-D	MTOA	70.0000	Coal	2.7830	0.0000	2.7830
DECENTRALISED MOD STACK FOR BEST-D							
1	TPC U-7 (RLNG)	TATA	xxx	Gas	23.2830	0.0000	23.2830
2	TPC U-5	TATA	500.0000	Coal/Oil/Gas	7.3740	0.0000	7.3740
3	TPC U-8	TATA	250.0000	Coal	7.1620	0.0000	7.1620
4	TPC U-7 (APM)	TATA	180.0000	Gas	6.3090	0.0000	6.3090
5	SWPGL TO BEST	MTOA	125.0000	Coal	2.7800	0.0000	2.7800

NOTE:-

- 1) Prepared as per Clause 33 of State Grid Code Regulation 2020 issued by Hon'ble MERC dtd. 2nd sept 2020 .
- 2) "R0" is updated on mahasidc.in website.
- 3) Actual rates of NTPC Kawas and Gandhar are displayed on WRLDC web-site daily.
- 4) Hydro generation is not considered for MOD. Central sector optimization is carried out in WRLDC's website manually by considering its MOD rates.
- 5) Gas and RE and Nuclear Generation is considered as "MUST RUN" except TPCU-7 APM & RLNG(NAPM GAS).

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: 001/2026

Bill Date: 01-09-2026

Due date: 15-10-2026

THERMAL & GAS STATIONS Energy bill for the month of August-2026

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)	59.577012	5.329	3174.8589695	1406.8655917	4581.7245612	-314.7075133	1721.5731050	4896.4320745
2	BHUSAWAL (Unit 4-5)	383.518572	4.404	16890.1579109	7628.2735658	24518.4314767	1383.3328261	6244.9407397	23135.0986506
3	BHUSAWAL (Unit 6)	372.246140	3.668	13653.9884152	10976.0833333	24630.0717485	-559.6769457	11535.7602790	25189.7486942
4	KHAPARKHEDA (Unit 1- 4)	322.115890	3.840	12369.2501760	6361.2198017	18730.4699777	986.0168202	5375.2029815	17744.4531575
5	KHAPARKHEDA U # 5	264.474604	3.428	9066.1894251	5432.3968175	14498.5862426	-0.2048067	5432.6016242	14498.7910493
6	NASHIK (Unit 3-5)	232.449030	5.401	12554.5721103	4064.5530408	16619.1251511	-398.6313325	4463.1843733	17017.7564836
7	CHANDRAPUR (Unit 3-7)	647.757455	4.658	30172.5422539	10585.6841450	40758.2263989	1492.6480632	9093.0360818	39265.5783357
8	CHANDRAPUR (Unit- 8 & 9)	497.486376	3.617	17994.0822199	10040.3779750	28034.4601949	835.6977673	9204.6802077	27198.7624276
9	PARAS (Unit 3- 4)	234.820582	4.202	9867.1608556	4740.1221492	14607.2830048	108.7248262	4631.3973230	14498.5581786
10	PARLI (Unit 6- 7)	206.661582	5.530	11428.3854846	5088.5062175	16516.8917021	749.2191857	4339.2870318	15767.6725164
11	PARLI (Unit 8)	111.362045	5.393	6005.7550869	3162.9899383	9168.7450252	-483.9872658	3646.9772041	9652.7322910
12	KORADI (Unit 6)	88.623508	3.703	3281.7285012	2834.4690258	6116.1975270	146.0875272	2688.3814986	5970.1099998
13	KORADI (Unit- 8,9 & 10)	816.737745	3.378	27589.4010261	17825.5767292	45414.9777553	3114.8703886	14710.7063406	42300.1073667
14	GTPS URAN (Unit 5 -10)	195.554218	5.232	10231.3966858	2053.6608050	12285.0574908	0.0000000	2053.6608050	12285.0574908
	TOTAL THERMAL	4433.384759		184279.4691210	92200.7791358	276480.2482568	7059.3895405	85141.3895953	269420.8587163

ENERGY BILL FOR SUPPLY OF ENERGY FROM MAHAGENCO's THERMAL & GAS POWER STATIONS TO MAHAVITARAN FOR THE MONTH OF August 2026

269420.8587163

Bill amount in words Rs. Two Thousand Six Hundred Ninety Four Crores Twenty Lakhs Eighty Five Thousand Eight Hundred Seventy One and Sixty Three Paise Only (E & OE)

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

PH: 26472211, 26472131 FAX:91-22-26580643 Email: rcgen@mahagenco.in		MAHARASHTRA STATE POWER GENERATION CO. LTD. Regulatory & Commercial Dept. Prakashgad, 3rd Floor, Bandra (E) Mumbai 400 051												
Calculation for Cumulative AVF Based AFC Disallowance upto August 2026														
Month : Aug-26 Season : Low Demand Season Month no. in the season: 3														
SR. NO.	POWER STATION	Approved Annual Fixed Charge for target AVF (Rs.in Lakhs)	AFC upto First month of high 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 Cumulative AVF upto August 2026 (%)	Actual off-peak period Cumulative AVF upto August 2026 (%)	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 August 2026(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)	19025.0644000	4756.2661000	85.000%	951.2532200	3805.0128800	85.527%	86.707%	951.2532200	3805.0128800	4756.26610	0.0000000	314.70751	-314.7075133
2	BHUSAWAL (Unit 4-5)	91131.7793600	22782.9448400	85.000%	4556.5889680	18226.3558720	69.304%	69.704%	3715.1746099	14946.4695259	18661.64414	4121.3007042	2737.96788	1383.3328261
3	BHUSAWAL (Unit 6)	131713.0000000	32928.2500000	85.000%	6585.6500000	26342.6000000	79.815%	82.302%	6183.9253500	25506.4548847	31690.38023	1237.8697653	1797.54671	-559.6769457
4	KHAPARKHEDA (Unit 1- 4)	81594.8427600	20398.7106900	85.000%	4079.7421380	16318.9685520	56.994%	57.726%	2735.5390990	11082.6915133	13818.23061	6580.4800777	5594.46326	986.0168202
5	KHAPARKHEDA U # 5	60878.8084100	15219.7021025	85.000%	3043.9404205	12175.7616820	86.393%	85.351%	3043.9404205	12175.7616820	15219.70210	0.0000000	0.20481	-0.2048067
6	NASHIK (Unit 3-5)	48941.3535800	12235.3383950	85.000%	2447.0676790	9788.2707160	86.662%	87.374%	2447.0676790	9788.2707160	12235.33840	0.0000000	398.63133	-398.6313325
7	CHANDRAPUR (Unit 3-7)	151694.8579200	37923.7144800	80.000%	7584.7428960	30338.9715840	55.171%	56.410%	5230.7231289	21392.7673382	26623.49047	11300.2240129	9807.57595	1492.6480632
8	CHANDRAPUR (Unit- 8 & 9)	117863.6578800	29465.9144700	85.000%	5893.1828940	23572.7315760	77.535%	78.242%	5375.6227728	21698.5607526	27074.18353	2391.7309446	1556.03318	835.6977673
9	PARAS (Unit 3- 4)	57282.1300200	14320.5325050	85.000%	2864.1065010	11456.4260040	75.193%	76.091%	2533.6560015	10255.6577773	12789.31378	1531.2187262	1422.49390	108.7248262
10	PARALI (UNIT 6-7)	57836.5480700	14459.1370175	85.000%	2891.8274035	11567.3096140	73.169%	75.211%	2489.3190504	10235.1638045	12724.48285	1734.6541626	985.43498	749.2191857
11	PARALI (UNIT 8)	41760.8802800	10440.2200700	85.000%	2088.0440140	8352.1760560	86.214%	87.167%	2088.0440140	8352.1760560	10440.22007	0.0000000	483.98727	-483.9872658
12	KORADI (Unit 6)	29827.8196300	7456.9549075	75.000%	1491.3909815	5965.5639260	68.757%	73.711%	1367.2475962	5863.0357673	7230.28336	226.6715440	80.58402	146.0875272
13	KORADI (Unit- 8, 9 & 10)	228486.9355700	57121.7338925	85.000%	11424.3467785	45697.3871140	68.545%	69.152%	9212.7276463	37177.2436907	46389.97134	10731.7625556	7616.89217	3114.8703886
14	GTPS URAN (Unit 5 -10)	24497.9328700	6124.4832175	40.890%	1224.8966435	4899.5865740	61.509%	65.608%	1224.8966435	4899.5865740	6124.48322	0.0000000	0.00000	0.0000000
	TOTAL THERMAL	1142535.6107500	285633.9026875		57126.7805375	228507.1221500			48599.1372320	197178.8529624	245777.9901944	39855.9124931	32796.5229526	7059.3895405
	Rs. Seventy Crores Fifty Nine Lakhs Thirty Eight Thousand Nine Hundred Fifty Four and Five Paise Only (E & OE)													7059.3895405
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. 57/2026		Bill Date: 01-09-2026				Due date: 15-10-2026			
Energy Bill of MAHAGENCO for the Month of Aug-2026 [From 01-08-2026 (00.00 Hrs) to 31-08-2026 (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)	NAPAF (as per MERC)	Approved Monthly Fixed Charges as per NAPAF (Rs. In Lakhs)	Actual PAFM for the month	*Incentive for the month as per actual PAFM	BILL AMOUNT (Rs. Lakhs)
a	b	c	d	e = (c*d)*10	f	g	h	i	j=e+g+i
KOYNA HPS									
1	KGSC Stage I & II	73.735315	0.784	578.084870	89.65	626.048975	94.73	35.483205	1239.617050
2	KGSC Stage III	40.576980	0.784	318.123523	89.65	333.892787	50.00	-147.672607	504.343703
3	KGSC Stage IV	70.606480	0.784	553.554803	89.65	1043.414959	100.00	120.461181	1717.430943
4	KDPH	8.181590	0.784	64.143666	89.65	37.562939	100.00	4.336602	106.043206
5	Total KGSC	193.100365		1513.906862		2040.919659		12.608381	3567.434902
BHIRA TR HPS									
6	Bhira HPS U # 1 & 2	12.161720	1.116	135.724795	90.00	64.629977	100.50	7.543653	207.898425
7	Bhira Total	12.161720		135.724795		64.629977	100.50	7.543653	207.89843
TILLARI HPS									
8	Tillari HPS U # 1	12.681130	1.298	164.601067	90.00	113.335684	100.00	12.592856	290.529607
9	Tillari Total	12.681130		164.601067		113.335684	100.00	12.592856	290.52961
10	Total for High Capacity Hydro P.S.	217.943215		1814.232724		2218.88532		32.74489	4065.86293
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	15.283713	0.00000	0.00000		295.22706			295.22706
12	Ghatghar PSS	21.326460	0.00000	0.00000		1998.53961			1998.53961
13	Total Mahagenco's Hydro (Including Ghatghar PSS)	254.553388							6359.62960
III. BILLSUMMARY									
14	TOTAL ENERGY BILL AMOUNT IN RS. CR. FOR MSPGCL'S LARGE HYDRO STATIONS FOR THE MONTH OF						August-2026	63.5962960	
#NAME?									
*Capacity Charges, Energy Charges & incentive for Koyna, Bhira TR and Tillari are separately indicated as per Clause No. 10.2.2 of MERC MYT Order in Case no. 187 of 2024									
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.	058/2026	Bill Date:	01-09-2026	Due Date:	15-10-2026
Energy Bill of MAHAGENCO for the Month of Aug-2026 [From 01-08-2026 (00.00 Hrs) to 31-08-2026 (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	-0.009468	118.08750	
2	Paithan	1 X 12	-0.004559	61.39460	
VAITARNA DIVISION					
4	Vaitarna Dam Toe	1 X 1.5	0.876708	7.38068	
5	Bhatsa	1 X 15	8.347877	91.20899	
6	Surya	1 X 6	1.992222	79.13849	
BHATGHAR DIVISION					
8	Bhatghar	1X 16	11.259620	120.28915	
9	Kanher	1 X 4	2.518909	46.53440	
10	Dhom	2 X 1	0.403560	-49.42532	
11	Ujjani	1 X 12	7.408026	180.10325	
12	Warana	2 X 8	9.443782	163.71399	
PANSHET DIVISION					
13	Panshet	1 X 8	5.943993	83.51254	
14	Varasgaon	1 X 8	5.958692	51.40304	
15	Pawana	1 X 10	4.362503	70.57409	
16	Manikdoh	1 X 6	-0.005774	77.02449	
17	Dimbhe	1 X 5	3.660172	77.44905	
TILLARI DIVISION					
18	Dudhganga	2 X 12	3.966848	168.99181	
19	Terwanmedhe	1 X 0.2	0.010400	8.00020	
20	Radhanagari	4 X 1.2	-0.000095	0.00000	
TOTAL SMALL HYDRO					
TOTAL			66.1334160	1355.38095	
III. BILL SUMMARY					
21	TOTAL ENERGY BILL IN RS CRORE AMOUNT FOR MAHAGENCO'S SMALL HYDRO STATIONS FOR THE MONTH OF		Aug-26	13.5538095	
#NAME?					
Chief Engineer (RCD)					

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	64/2026	Date:	11-09-2026	Due date:	25-10-2026
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Provisional Part-I Fuel Surcharge Adjustment bill for the Month of August-2026 THERMAL & GAS STATIONS

SR. NO.	POWER STATION	ECR Considered for Monthly Energy Bill (Rs/Kwh)	Calculated VC without FGD (Rs/Kwh)	Calculated VC with FGD (Rs/Kwh)	Adjustment of FSA Rate (Rs./kWh)	Net Generation sent out (MU's)	FAC-I (Rs. Lakh)
		(a)	(b)		(c) =(b -a)	(d)	(e) = d X c X 10
1	BHUSAWAL (Unit 3)	5.329	5.152		-0.177	59.577012	-105.4513112
2	BHUSAWAL (Unit 4-5)	4.404	4.215		-0.189	383.518572	-724.8501011
3	BHUSAWAL (Unit 6)	3.668	3.656		-0.012	372.246140	-44.6695368
4	KHAPARKHEDA (Unit 1- 4)	3.840	3.565	3.576	-0.264	322.115890	-850.3859496
5	KHAPARKHEDA (Unit 5)	3.428	3.219		-0.209	264.474604	-552.7519224
6	NASHIK (Unit 3-5)	5.401	6.215		0.814	232.449030	1892.1351042
7	CHANDRAPUR (Unit 3-7)	4.658	4.039		-0.619	647.757455	-4009.6186465
8	CHANDRAPUR (Unit- 8 & 9)	3.617	3.477		-0.140	497.486376	-696.4809264
9	PARAS (Unit 3- 4)	4.202	3.999		-0.203	234.820582	-476.6857814
10	PARLI (UNIT 6-7)	5.530	4.266		-1.264	206.661582	-2612.2023965
11	PARLI (UNIT 8)	5.393	4.264		-1.129	111.362045	-1257.2774881
12	KORADI (Unit 6)	3.703	3.399	3.420	-0.283	88.623508	-250.8045276
13	KORADI (Unit-8,9 & 10)	3.378	3.008		-0.370	816.737745	-3021.9296565
14	URAN GTPS (Combine cycle)	5.232	6.445		1.213	195.554218	2372.0726643
15	URAN GTPS (Open cycle)	5.232	8.991		3.759	0.648218	24.3665298
TOTAL MSPGCL FAC BILL						4434.032977	-10314.5339458

The provisional Part-I Fuel Surcharge Adjustment Bill for MSPGCL stations to MSEDCL for the month of Aug-26 is Rs. - 1,03,14,53,394.58/-. In words, withdrawal of (Rupees Core Fourteen Lakh Fifty Three Thousand Three Hundred Ninety Four and Paise Fifty Eight Only)

Chief Engineer,
Regulatory & Commercial Dept.

F10 - ECR calculation for August-2021			66.93	407.76	284.96	356.82	279.96	267.43	708.95	527.52	258.50	227.83	121.83	99.24	combined cycle				Open cycle																
S.No.	Particulars	Units	Bhawal	Bhawal	Bhawal 4 & 5	Bhawal 4 & 5	Bhawal 6	Bhawal 6	Khpurkherda 1 T10 4	Khpurkherda 1 T10 4	Khpurkherda 5	Khpurkherda 5	Nashik	Nashik	Chandrapur # 2 90 7	Chandrapur # 3 10 7	Chandrapur Units 8 & 9	Chandrapur Units 8 & 9	Para Units 3 & 4	Para Units 3 & 4	Para Units 3 & 4	Para Units 6 & 7	Para Unit 8	Para Unit 8	Koradi 6	Koradi 6	Koradi Units 8, 9 & 10	Koradi Units 8, 9 & 10	URAN combined cycle	URAN	URAN Open cycle	URAN			
1	Operational parameters		Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative	Actual	Normative			
1.1	Total Capacity	MW	210	210	1000	1000	660	660	880	880	800	800	500	500	630	630	1920	1920	1000	1000	500	500	500	500	250	250	210	210	1980	1980	672	672	672	672	
1.2	Availability	%	84.66%	84.66%	68.08%	68.08%	89.26%	89.26%	60.68%	60.68%	80.18%	80.18%	80.31%	80.31%	82.57%	82.57%	56.18%	56.18%	77.75%	77.75%	80.59%	80.59%	71.05%	71.05%	75.42%	75.42%	70.68%	70.68%	62.11%	62.11%	66%	66.00%	66.00%	66.00%	
1.3	PLF	%	42.84%	42.84%	54.81%	54.81%	80.43%	80.43%	57.06%	57.06%	75.26%	75.26%	75.26%	75.26%	57.06%	57.06%	48.83%	48.83%	70.08%	70.08%	69.49%	69.49%	61.24%	61.24%	65.39%	65.39%	65.52%	65.52%	58.79%	58.79%	40%	40.36%	40.36%	40.36%	
1.40	Green Generation	MU	68.095	68.095	412.725	412.725	395.20	395.20	369.96	369.96	281.72	281.72	267.43	267.43	730.29	730.29	531.81	531.81	263.72	263.72	237.01	237.01	126.38	126.38	97.12	97.12	874.73	874.73	201.76	201.76	0.65	0.65	0.65	0.65	
1.50	Auxiliary Consumption excluding FGD	%	14.38%	10.96%	7.89%	7.89%	6.00%	6.33%	6.33%	13.01%	13.01%	10.75%	10.75%	11.02%	11.02%	8.67%	8.67%	6.74%	6.74%	6.00%	6.00%	11.64%	11.64%	12.21%	12.21%	8.50%	8.50%	7.09%	7.09%	6.00%	6.00%	1.80%	1.80%		
1.60	Auxiliary Consumption excluding FGD	MU	9.79	7.46	32.20	24.76	25.02	22.72	48.06	25.39	19.38	16.90	36.543	28.75	30.48	63.32	35.84	31.91	30.690000	24.53	30.81	22.04	15.46	10.76	11.53	10.58	10.81%	11.88%	6.00%	6.00%	2.84%	3.10%	0.64%	1.00%	
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%	0.04%	0.20%	0.00%	0.00%	0.00	0.00	0.00	0.01		
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	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00		
1.90	Total Auxiliary Consumption	%	14.38%	10.96%	7.89%	7.89%	6.00%	6.33%	6.33%	13.01%	13.01%	10.75%	10.75%	11.02%	11.02%	8.67%	8.67%	6.74%	6.74%	6.00%	6.00%	11.64%	11.64%	12.21%	12.21%	8.50%	8.50%	7.09%	7.09%	6.00%	6.00%	2.84%	3.10%	0.64%	1.00%
1.10	Total Auxiliary Consumption (= 1.6 + 1.8)	MU	9.79	7.46	32.20	24.76	25.02	22.72	48.06	25.39	19.38	16.90	36.543	28.75	30.48	63.32	35.84	31.91	30.690000	24.53	30.81	22.04	15.46	10.76	11.57	10.54	10.81%	11.88%	6.00%	6.00%	2.84%	3.10%	0.64%	1.00%	
1.11	Net Generation (= 1.4 - 1.10)	MU	58.30	60.63	380.52	387.96	370.18	372.48	321.83	324.01	262.34	264.82	230.777379	238.68	649.80	666.97	495.97	499.90	233.030000	239.19	206.30	214.97	111.12	115.82	85.54	86.58	812.70	822.24	196.028237	195.50	0.65	0.64			
1.12	Heat Rate	kcal/kWh	2849.34	2787.00	2496.74	2375.00	2218.52	2139.05	2701.27	2630.00	2427.00	2375.00	2897.24	2754.00	2178.52	2688.00	2445.96	2375.00	2559.67	2415.00	2481.26	2415.00	2482.00	2415.00	2465.51	2455.75	2434.98	2230.00	2109.79	2035.00	3828.51	2900.00			
1.13	Secondary Fuel Oil Consumption	m3/kWh	4.73	1.40	1.49	0.50	0.22	0.50	7.41	1.20	0.41	1.00	0.63	0.50	2.14	0.50	4.38	0.50	1.22	0.50	6.86	2.81	0.42	0.50	1.22	0.50	6.86	2.81	0.42	0.50	0.800%	0.800%			
1.14	Transit Loss for Domestic Coal	%	1.125%	0.800%	1.169%	0.800%	0.928%	0.800%	1.653%	0.800%	3.087%	0.800%	1.348%	0.800%	0.816%	0.800%	0.781%	0.800%	1.806%	0.800%	1.795%	0.800%	3.406%	0.800%	1.780%	0.800%	1.116%	0.800%	0.800%	0.800%	0.800%	0.800%			
1.15	Transit Loss for washed coal	%	0%						3.15%	3.0%	3.84%				0%		0.00%	0.00%			0%		0.77%	0%			0%		0%						
SHR coal-Bio Pallet component			2803.89	2773.54	2476.39	2370.19	2228.42	2134.24	2630.34	2618.51	2423.08	2370.21	2874.72	2744.55	2679.00	2675.51	2439.96	2370.25	2539.03	2410.17	2439.80	2410.27	2471.38	2410.27	2580.75	2429.23	2411.05	2225.28							
2	Fuel parameters (for each primary and secondary fuel)																																		
2.1	Calorific Value																																		
2.1.1	Domestic Coal (As Billed)	kcal/kg	3755.00	3795	3780	3780	3760.00	3760	3757	3757	3757	3757	3727	3727	3958	3958	3959	3959	3875.00	3875.00	3847	3847	3847	3915	3915.00	3984.00	3984.00	3662.00	3662.00	8690	8690	8679	8679		
2.1.2	Imported Coal (As Billed)	kcal/kg	0.00	0	0	0	0.00	0	4709	4709	4709	4709	4631	4631	4660	4660	4660	4660	4660	4660	0	0	0	0	0.00	0.00	0.00	0.00	4659.00	4659.00					
2.1.3	Wash Coal (As Billed)	kcal/kg	0.00	0.00	0.00	0.00	0.00	0.00	4720.00	4720.00	4720.00	4720.00	4631.00	4631.00	4660.00	4660.00	4660.00	4660.00	4660.00	4660.00	0.00	0.00	0.00	0.00	0.00	0.00	3756.00	3756.00	4659.00	4659.00					
2.1.3	Wash Coal (As Received)-Actual	kcal/kg	3065.00	3005.00	3030.00	3030.00	3010.00	3010.00	3010.00	2851.00	2851.00	2851.00	2851.00	2851.00	3072.00	3072.00	3125.00	3125.00	3135.00	3135.00	3139.00	3139.00	3201.00	3201.00	3261.00	3261.00	2933.00	2933.00	2912.00	2912.00					
GCV loss between loading end and unloading end--Domestic Actual	kcal/kg		750.00	750.00	750.00	750.00	750.00	750.00	906.00	906.00	906.00	906.00	681.00	681.00	886.00	886.00	833.00	833.00	740.00	740.00	708.00	708.00	714.00	714.00	751.00	751.00	750.00	750.00	750.00	750.00					
GCV loss between loading end and unloading end as per MERC MYT Regulations 2024.	%		750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00					
Minimum of GCV loss of Actual Vs Approved	kcal/kg		750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	681.00	681.00	750.00	750.00	750.00	750.00	740.00	740.00	708.00	708.00	714.00	714.00	750.00	750.00	750.00	750.00	750.00					
Domestic coal As received GCV for FAC computation	kcal/kg		3005.00	3005.00	3030.00	3030.00	3010.00	3010.00	3007.00	3007.00	3007.00	3007.00	3046.00	3046.00	3208.00	3208.00	3209.00	3209.00	3135.00	3135.00	3139.00	3139.00	3201.00	3201.00	3264.00	3264.00	2912.00	2912.00							
Wash Coal (As Received)	kcal/kg		0.00	0.00	0.00	0.00	0.00	0.00	3384.00	3384.00	3384.00	3384.00	0.00	0.00	2306.00	2306.00	2490.00	2490.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3366.00	3366.00	3196.00	3196.00					
GCV loss between loading end and unloading end--Wash Coal Actual	kcal/kg		0.00	0.00	0.00	0.00	0.00	0.00	988.00	988.00	988.00	988.00	0.00	0.00	1574.00	1574.00	1355.00	1355.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3360.00	3360.00	861.00	861.00					
GCV loss between loading end and unloading end for Wash Coal as per Case No. 296 of 2019 (Mins. of Actual)	kcal/kg		0.00	0.00	0.00	0.00	0.00	0.00	300.00	300.00	300.00	300.00	0.00	0.00	300.00	300.00	300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300.00	300.00	300.00	300.00					
Wash coal As received GCV for FAC computation	kcal/kg		0.00	0.00	0.00	0.00	0.00	0.00	4072.00	4072.00	4072.00	4072.00	0.00	0.00	3580.00	3580.00	3545.00	3545.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3456.00	3456.00	3759.00	3759.00					
Imported Coal (As Received)	kcal/kg		0	0	0	0	0	0	4709	4709	4709	4709	4631	4631	4660	4660	4660	4660	4660	4660	0	0	0	0	0	0	0	0	0	0	4659	4659			
Weighted avg. received GCV Raw coal + Washed coal - Actual	kcal/kg		3005.00	3005.00	3030.00	3030.00	3010.00	3010.00	2878.38	2878.38	2872.99	2872.99	3046.00	3046.00	2988.45	2988.45	3075.06	3075.06	3135.00	3135.00	3139.00	3139.00	3201.00	3201.00	2886.30	2886.30	3058.45	3058.45							
Weighted avg. received GCV Imported Coal-Actual	kcal/kg		0.00	0.00	0.00	0.00	0.00	0.00	4709.00	4709.00	4709.00	4709.00	4631.00	4631.00	4660.00	4660.00	4660.00	4660.00	4660.00	4660.00	0.00	0.00	0.00	0.00	0.00	0.00	4659.00	4659.00							
Weighted Avg Raw & Wash Coal for FAC Computations	kcal/kg		3005.00	3005.00	3030.00	3030.00	3010.00	3010.00	3061.71	3061.71	3050.93	3050.93	3046.00	3046.00	3248.57	3248.57	3235.91	3235.91	3135.00	3135.00	3139.00	3139.00	3201.00	3201.00	2896.20	2896.20	3345.72	3345.72							
Weighted Avg Imported Coal for FAC Computations	kcal/kg		0.00	0.00	0.00	0.00	0.00	0.00	4709.00	4709.00	4709.00	4709.00	4631.00	4631.00	4660.00	4660.00	4660.00	4660.00	4660.00	4660.00	0.00	0.00	0.00	0.00	0.00	0.00	4659.00	4659.00							
L.D.O	kcal/kWh		10658.00	10658.00	10658.00	10658.00	10658.00	10658.00	10772.00	10772.00	10772.00	10772.00	10720.00	10720.00	10685.00	10685.00	10685.00	10685.00	10481.00	10481.00	10421.00	10421.00	10421.00	10421.00	10752.0										