



CENTRAL POWER GENERATION CO. LTD.

(GENCO-II)

8 0722 – 691088

墨 0722 -- 679085

genco2_guddu@yahoo.com

OFFICE OF THE

CHIEF EXECUTIVE OFFICER

No. CPGCL/CEO/23/

the TPS Guddu,

March, 2023

The Registrar,
National Electric Power Regulatory Authority,
NEPRA Tower Attaturk Avenue (East),
Sector G-5/1,
Islamabad

Subject:

TARIFF PETITION FOR REVISION/MODIFICATION IN TARIFF DETERMINATION OF THE NEPRA DATED 24¹⁸ FEBRUARY, 2006 FOR CENTRAL POWER GENERATION COMPANY LIMITED (CPGCL)

Dear Sir,

Central Power Generation Company Limited ("CPGCL") hereby submit this modification application (alongwith relevant documents) to the Authority pursuant to the NEPRA (Tariff Standards & Procedure) Rules, 1998, read with the Act XL of 1997 and all applicable rules and regulations made there under for modification of tariff for the Authority's Tariff Determination No. NEPRA/TRF-44/CPGCL-2005/2837-40, dated 24th February, 2006 pertaining to CPGCL's, Genco-II. TPS, Guddu (Old Blocks) located at Guddu ("Plant").

- 2. CPPA-G (Power Purchaser) vide his letter No. NEPRA/R/ADG(Tariff)/LAG-01/8127-29, dated: 26th May, 2022, has directed to file tariff modification petition as per Rule 3 (1) of the NEPRA (Tariff Standards and Procedures) Rules, 1998 to include Open Cycle tariff in the existing tariff of TPS Guddu (Old Blocks).
- 3. As per the direction of the NEPRA, Central Power Generation Company Limited (CPGCL), Guddu, has prepared a modification petition to include Open Cycle tariff in the existing tariff of TPS Guddu (Old Blocks).

4. We hereby request the authority to process this tariff modification at the earliest.

Thank you.

(Engr. Sabeeh-Uz-Zaman Faringu),

Chief Executive Officer

Central Power Generation Company Limited

For kind information please 1. Chairman 2. M (Tech.) 3. M (Lic.) 4. M (Trf. & Fin)

Dy (R)

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

		Case No	and the state of t
CENTRAL LIMITED (GENCO-II)	POWER	GENERATION	COMPANY
(GENCO-M)			Petitioner
in the matter o	f:		
TARIFF MO	ODIFICATIO	ON PETITION T	O INCLUDE
OPEN-CYCL	E TARRIF	F FOR OLD BLO	OCKS I & II
		THE NATIONAL	
		RY AUTHORIT	
STANDARD	S AND PRO	CEDURE) RULES,	1998

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PETITIONER / CENTRAL POWER GENERATION COMPANY LIMITED

Through

SABEEH-UZ-ZAMAN FARUQUI Chief Executive Officer / Authorized Representative

Central Power Generation Company Limited (GENCO-II)
Thermal Power Station Guddu, District Kashmore
Tel: 0722-691088 Fax: 0722-691085
Email: genco2_guddu@yahoo.com, ceo@cpgcl.com.pk

BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

		Case No	and the second s
CENTERAL LIMITED	POWER	GENERATION	COMPANY
(GENCO-II)		****	Petitioner
in the matter o	f		
		N PETITION T	
		FOR OLD BLO	
UNDER RUL	E 3(1) OF	THE NATIONAL	L ELECTRIC
POWER RI	EGULATOR	RY AUTHORIT	Y (TARIFF
STANDARDS	AND PRO	CEDURE) RULES,	1998

The Petitioner submits as under: -

I. RELEVANT FACTS

- 1. Central Power Generation Company Limited ("CPGCL" or the "Petitioner") is a public limited company wholly owned by the Government of Pakistan ("GOP") incorporated on 26th October 1998 for the purpose of taking over the properties, rights, assets, obligations, and liabilities of the thermal power stations located at Guddu, Sukkur, and Quetta, formerly owned by the Water and Power Development Authority ("WAPDA"). The present petition is being filed through CPGCL's Chief Executive Office, Sabeeh-Uz-Zaman Farooqì, who has been duly authorized by the CPGCL's Board of Directors in this regard.
- 2. The total installed capacity available at the CPGCL's various thermal power stations ("TPS") is 2,400MW, however, the net dependable capacity available for generation and purchase is 1,641MW (after de-licensing of unit 1-4 in July-2019).
- 3. On 1st July 2002, CPGCL obtained generation license No. GL/02/2002, from National Electric Power Regulatory Authority (the "Authority") to operate the power plants inherited from WAPDA ("Generation License"). The Generation License was subsequently modified on 26th April 2013 to include the 747MW Combined-Cycle Power Plant at Thermal Power Station, Guddu ("747MW CCPP"), and again on 10th July 2019 to exclude Units 1-4 of TPS Guddu, and to extend the expiry of the Generation License to 30th June 2042.
- 4. Consequently, the Petitioner signed a Power Purchase Agreement and Amendment No. 1 with the Central Power Purchasing Agency (Guarantee) Limited ("CPPA-G") on 20th September 2015 ("PPA").

5. On 24th February 2006, the Authority approved the tariff determination for Old Blocks I – IV of CPGCL's TPS Guddu. The detail of block-wise approved heat rates, as per para-30 of the determination, is tabulated as under:

Blocks	Heat Rates (BTU/kWh)	Thermal Efficiency (%)	FCC Tariff Rates (Rs./kWh)	Status
Block-I – Units 11 –	8,533	40%	1.9537	Operative
Block-II – Units 5 –	9,481	36%	2.1707	Operative
Block-III – Units 03 – 04	11,377	30%	2.6048	De-
Block-IV – Units 01 – 02	12,189	28%	2.7908	licensed

- 6. It is pertinent to note that Block-I & II are Combined Cycle units, being operated on Natural Gas. Before this, on 31st March, 2004 the Authority allowed open-cycle operation @ 1.5 times of combined cycle tariff rates for Block-I & II.²
- 7. Furthermore, the PPA itself caters for open-cycle billing in the "Reference Tariff NEPRA Dated 24th February, 2006" under Table 1 of Schedule-VI where an explanatory note to that table states:

*These rates are for combined cycle operation. If operated on simple cycle on the instructions of NTDC, these rates will be charged at the rate of 1.5 times;

(Emphasis added)

- 8. However, on 24th February 2006, the Authority did not allow opencycle operation as per terms of the tariff determination or the PPA, despite the fact that these blocks are more efficient and possesses higher position in merit order from RFO and RLNG based plants.
- 9. Gas Turbines of Block-I & II were remained in Economic Merit Order in Open Cycle mode till June, 2021 as well as operated time to time on the instructions of National Power Control Center (NPCC). Afterwards, on June 16th, 2021 Block-I & II of CPGCL were removed from Economic Merit Order for open cycle operation.
- 10. During the public hearing held on April 16th, 2022 regarding "fuel shortage on power plants and forced outage of plants" it has been noticed that some most economical units of GENCO-II were not being dispatched by NPCC due to non-availability of open cycle tariff rather some most expensive power plants having cost as high

¹ Annex-A

² Annex-B

³ Annex-C

(3)

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as Rs. 30/kWh were operated. Accordingly, Chairman NEPRA principally agreed and allowed open cycle operation of Gas Turbines Unit No. 7 to 12 on the basis of earlier determination dated March 29, 2004.

- Subsequently, NPCC has issued Despatch Orders for operation of Gas Turbines on open cycle mode and Petitioner operated these units accordingly within shortest possible time in the country's best interest. Furthermore, as per direction of Chairman NEPRA, letter sent to the Authority vide No. CPGCL/CEO/22/3932-37 dated April 19th, 2022 for restoration of Open Cycle Tariff in the light of Tariff determination of March March 29th, 2004. In response, Technical NEPRA vide letter Director NEPRA/R/ADG(Tariff)/LAG-01/8127-29 dated 26th May, 2022 5has directed to file tariff modification petition as per Rule 3(1) of the NEPRA (Tariff) Standards and Procedures) Rules, 1998 to include Open Cycle tariff in the existing tariff of TPS Guddu for Block-I & II at the earliest.
- 12. The Petitioner follows the instructions of National Power Control Center ("NPCC" or "System Operator") for operation of plant on combined cycle and open-cycle of Block-I & II. The System Operator, when confronted with exigent circumstances in the power sector, required the petitioner to operate various gas turbines units under open-cycle operation, knowing full well that their associated steam generators are not available for technical reasons.

In all likelihood, the Petitioner will continue to be called upon by NPCC to conduct open-cycle operation of Block-I & II given the higher costs of running RFO and RLNG based power plants, as well as otherwise lack of sufficient cost-effective generation capacity in Pakistan at this time, and the exigent circumstances which have emerged in the power sector. Therefore, the Petitioner applies for modification of its Tariff on *inter alia*, the following grounds:

II GROUNDS

- a. That, the Authority has in the past already allowed the Petitioner an open-cycle operations tariff in its earlier Tariff, clearly indicating the Petitioner's intention to provide electricity to the grid with maximum flexibility, including in those times when combined cycle operations were unavailable due to routine technical reasons.
- b. That, the Petitioner's open-cycle operations provided the benefit of additional electricity to the grid. To deprive the

⁴ Annex-D

⁵ Annex-E

Petitioner, a state-owned company, of the benefit of an additional tariff for open-cycle operations would be damaging to the public exchequer and would be taking undue advantage of the Petitioner's efforts.

- c. That, the Petitioner's open-cycle operations were conducted on the instructions of NPCC, which knew full well that the Petitioner's routine maintenance work meant that only open-cycle operations could be undertaken at that time.
- d. That, the PPA in any case originally envisioned a higher tariff to be paid to the Petitioner for open-cycle operations. Furthermore, all previous Tariffs in any case, whether or not having expressly allowed open-cycle tariff, had impliedly accepted the open-cycle operations tariff by referring the issue of other assumptions to the PPA.
- e. That, open-cycle operations are far cheaper than other RFO and RLNG based power plants, and shall help combat the scourge of load shedding currently confronting Pakistan.
- f. Notwithstanding, the Petitioner filed the instant petition on 02-5-2023, and the petition was examined by the Authority, while examining the petition, the Authority pointed out that the Petitioner has submitted the petition without fee as required under Rule 3(1) of Tariff Rules,1998. The Authority further observed that Petitioner has also not submitted a) Comparative schedules of charges costs, units price, and other items comprising the existing tariff and the proposed tariff and b) a Summary of evidence giving brief particulars of the data, facts, and evidence in support of the petition required under Rule 3(2)(f) of Tariff Rules. Hence, returned the petition to the Petitioner vide its letter dated 9th May 2023, to be filed after removing the deficiency.
- g. Pursuant to requirement of Rule 3(3)(d) of Tariff Rules, a comparative schedule of the reference tariff, current tariff, and proposed tariff is given as under:

Description	Reference Tariff	Current Tariff	Proposed Tariff
		Rs./kWh	
Block-I (Combined Cycle)	1.9537	8.9596	8.9596
Block-I (Open Cycle)	-		13.4394
Block-II (Combined Cycle)	2.1707	9.9547	9.9547
Block-II (Open Cycle)		para propinto hamino francia inde de camana de servicio medica mega casa prepara per para fuera.	14.9321
Gas Rate (Rs./MMBTU)	228.96	1,050	1,050

(5)

h. National Transmission and Despatch Company Limited (NTDCL) issued letters dated 28th September 2021 and 4th November 2021 (Annex-A), wherein it has asked CPGCL and CPPA-G, with copy to chairman NEPRA, to arrange open cycle tariff of TPS Guddu old Units (Block-I & II), the contents of which are reproduced below:

open cycle units (even if it is 1.5 times of the combined cycle tariff) is still lesser than the tariff of RFO and some RLNG based power plants and their removal dispatch pool has reduced system capability as well as increase in energy mix cost. In addition the low gas off-take from dedicated Kandhkot Gas field may result in decline of national resources as indicated by MD-PPL. The open-cycle tariff of TPS Guddu for above mentioned units may be got approved from NEPRA so that energy demand could be fulfilled in optimum manner and short fall of power could be avoided.

Moreover, during the public hearing held on 16th April 2022 regarding "fuel shortage on power plants and forced outage of plants", it has been noticed that some of the most economical units of GENCO-II were not being dispatched by NPCC due to non-availability of open cycle tariff. On the other hand, expensive power plants having cost as high as Rs. 30/kWh were operated. Accordingly, Chairman NEPRA principally agreed and allowed open cycle operation of Gas Turbines Unit No. 7 to 12 on the basis of earlier determination dated March 29, 2004.

Furthermore, as per direction of Chairman NEPRA, the Petitioner sent a letter to the Authority vide No. CPGCL/CEO/22/3932-37 dated 19th April 2022 for restoration of Open Cycle Tariff considering the Tariff determination of 29th March 2004. In response, Director Technical NEPRA vide letter No. NEPRA/R/ADG(Tariff)/LAG-01/8127-29 dated 26th May, 2022 has directed to file tariff modification petition as per Rule 3(1) of the NEPRA (Tariff) Standards and Procedures) Rules, 1998 to include Open Cycle tariff in the existing tariff of TPS Guddu for Block-I & II at the earliest⁶.

III. PRAYER

- 13. In view of the foregoing, it is humbly prayed that the Authority may kindly grant the following:
 - a. Allow the Petitioner to undertake open-cycle operations of Block-I and Block-II units on the System Operator / NPCC's demand;

⁵ Already annexed as Annex E

(5-A)

- b. Allow the Petitioner an FCC tariff of 150% (1.5 times) for open-cycle operations on combined cycle tariff rates; the FCC in the existing Tariff dated 24th February 2006, on the basis of already approved heat rates.
- c. Allow the Open Cycle tariff of Block-I & Block-II respectively w.e.f. 24th February, 2006, enabling the Petitioner to recover its prudent cost already incurred on Open Cycle Generation, on the instructions of NPCC from time to time.

d. Grant any other relief, which the Authority may consider appropriate in the circumstances.

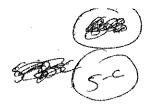
Islamabad. 05.2023

PETITIONER / CENTRAL POWER GENERATION COMPANY

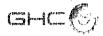
LIMITED Through

(SABEEH-UZ-ZAMAN FARUQUI) Authorized Representative / Chief Executive Officer









CENTRAL POWER GENERATION COMPANY LIMITED (GENCO-II)

常 0722 - 691050

6 0722 - 679085

saadgenco2@yahoo.com

COMPANY SECRETARY

Date:

16.03.2023

No. CPGCL/CS/BoD/DMoM/152/723

EXTRACT OF MINUTES OF 152ND BOD MEETING HELD ON FEBRUARY 09, 2023 AT ISLAMABAD

AGENDA ITEM NO. 7

TO CONSIDER & APPROVE DRAFT TARIFF MODIFICATION PETITION TO INCLUDE OPEN CYCLE TARIFF @ 1.5 TIMES FOR OLD GUDDU IN EXISTING TARIFF DATED 24TH FEBRUARY, 2006 UNDER SECTION 3(1) OF THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY (TARIFF STANDARD AND PROCEDURES) RULES, 1998 AND AUTHORIZE CEO, CPGCL TO FINALIZE THE DRAFT, SIGN AND SUBMIT THE TARIFF MODIFICATION PETITION TO NEPRA, ALSO AUTHORIZE CEO, CPGCL TO FINALIZE THE FEE STRUCTURE WITH M/S RIZWAN FAIZ ASSOCIATES, LEGAL COUNSEL.

The Board of Directors CPGCL (GENCO-II) has considered the subject matter in its 152nd meeting held on February 09, 2023 at Islamabad. After consideration, the Board resolved as under:

"RESOLVED THAT Chief Executive Officer CPGCL be & is hereby authorized to file Tariff Modification petition before National Electric Power Regulatory Authority (NEPRA) under Rule 3(1) of the NEPRA (Tariff Standards and Procedures) Rules, 1998 to include Open Cycle Tariff @ 1.5 times for old Guddu Blocks (I & II) in the existing Tariff dated February 24, 2006 and to sign all necessary documents and perform all necessary acts, including payment of NEPRA fee, in this regard.

FURTHER RESOLVED THAT CEO CPGCI. be & is hereby authorized to engage the services of a legal counsel for filing of above said petition and to negotiate & finalize the fee for such services in this regard."

Detailed discussion is contained in the draft minutes, which are subject to confirmation in next Board Meeting.

This is for information, record and necessary action, please.

MUHAMMAD BARLSHABBI

Company Secretary 16/03/2023

Chief Executive Officer, CPGCL (GENCO-II), Guddu.

CENTRAL POWER PURCHASING AGENCY (GUARANTEE) LIMITED

POWER PURCHASE AGREEMENT FOR THE 1400 MW (NET AT REFERENCE CONDITIONS) POWER GENERATION COMPLEX AT CENTRAL POWER GENERATION COMPANY LIMITED

Between



Central Power Purchasing Agency (Guarantee) Limited (Acting on Behalf of the Distribution Companies)

(The Power Purchaser)

Å.



Central Power Generation Company Limited (The Seller)

í



THIS POWER PURCHASE AGREEMENT (hereinafter this "Agreement") is untered into at Islamabad on the, 20th day of September 2015 corresponding to the 5th day of Dhu al Hijjah 1436 A.H. by and between:

CENTRAL POWER PURCHASING AGENCY (GUARANTEE) LIMITED, a guarantee limited company incorporated under the Companies Ordinance 1984 with its principal office at WAPDA House, Shahrah-e-Quald-e-Azam, Lahorey Pakistan (hereinafter referred to as the "Power Purchaser", which term shall include its successors and permitted assigns) of the first part;

And

Delamated Timerah Armed

CENTRAL POWER GENERATION COMPANY LIMITED (GENCO ~ 11), a public limited company incorporated under the Companies Ordinance 1984 with its principal office at WAPDA House, Shahrah-e-Quaid-e-Azam, Lahore, Pakistan (hereinafter referred to as the "Seller", which term shall include its successors and permitted assigns) of the second part.

The Purchaser and the Seller are hereinafter referred to individually as "Party" and collectively, as the "Parties".

WHEREAS: -

- A. The Seller owns, maintains and operates a dual-fuel, gas and residual fuel oil fired electric power generation facility (the "Complex") located on the Site at Guddu, in District Kashmore, Sindh Province, Pakistan, with a Contract Capacity (as hereinafter defined) of 1400 MW, not at Mean Site Conditions (as hereinafter defined):
- B. The Seller had previously entered into a power purchase agreement with the Power Purchaser on 01st September, 2015 (hereinafter "Previous PPA") wherein the rights and liabilities of the Parties, as well as those of the National Transmission and Despatch Company (hereinafter "NTEC") with regards to the sale purchase; despatch, transmission, and commercial settlement of power purchase were set out;
- C. Under the Government of Pakistan's (hereinafter "GOP") Power Policy 2015 (hereinafter "2015 Polley"), the commercial functions of power purchase from the generation companies that were hitherto exercised by were transferred to the Power Purchaser and this change was brought into effect through a Business Transfer Agreement between NTDC and the Power Purchaser dated 3rd June 2013 (hereinafter "2015 BTA"):
- D. In order to give full effect to the changes introduced by the 2015 Policy and

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SCHEDULE-VI

TABLE 1

Reference Tariff NEPRA Tariff Dated.24.02,2006

		Reference	Adjusted applicable
No	Dependable Capacity	1400 MW	1400 MW
Car	pacity Charge	Rs./kW/Month	Rs./kW/Month
۸.	Escalable Component	51.2244	130.0298
В,	Non-Escalable Component	85.9202	85.9202
	Total Capacity Charge (A+B)	137.1446	215.9500

BLOCKS		Energy	Charge - R	upees per	kWh
	Fuel (ref.)	Fuel (adj.)	Variable O&M	Total (ref.)	Total (Adj.)
Block-I - Gas	*1.9537	**5.0193	0.0689	2.0226	5.0882
Block-II - Gas	*2.1707	5.5768	0.0689	2.2396	5.6457
Block-III - Gas	2,6048	6.6921	0.0689	2.6737	6.7610
Block-III - Oil	5.2816	21.2633	0.0689	5.3505	21.3322
Block-IV - Gas	2.7908	7.17	0.0689	2.8597	7,2389

Note: -

- * These rates are for combined cycle operation. If operated on simple cycle mode on the instructions of NTDC, these rates will be charged at the rate of 1.5 times.
- ** The adjusted rates are presently applicable on the basis of revised gas rates @588.23 Rs/MMBTU and F.O rates @76,255 Rs/M.Ton.







NATIONAL TRANSMISSION & DESPATCH COMPANY

PHONE:

051-8311557

ENCHANGE: FAX NO.

051-9258177, 9258178

051-9250851

SECTOR H-8/1, ISLAMABAD. Dated: 16/05/2022

NATIONAL POWER CONTROL CENTRE,

GENERAL MANAGER (SO)

OFFICE OF THE

No. 7611-24/GM (SO)/PPC/MO

OFFICE ORDER

SUBJECT: REVISED MERIT ORDER

Reference: CPPA-G/MIT/5022-28

Dated: 14.05.2022

Revised Merit order based on revised fuel prices (received to this office on 14-05-2022 Time: 11:13 hrs) for the economic despatch of thermal power plants (GENCO'S & IPPs) effective from 16-05-2022 (Time 00:00 Hrs) is hereby issued for implementation.

> (Engr. Sajjad Akhtar) General Manager (S.O) NPCC, NTDC Islamabad

DISTRIBUTION:

- 1. Chief Engineer (Operation Planning), NPCC, NTDC, Islamabad
- Chief Engineer (Network Operation), NPCC, NTDC, Islamabad
- Director Private Power Control, NPCC, NTDC, Islamabad
- Director Power Control, NPCC, NTDC, Islamabad. •
- NPCC Control Room, all Supervisory Shift Engineers.

COPY TO:

- 1. PS to Secretary Ministry of Power (Energy) for information please.
- 2. Special Secretary, Power Division for information please.
- 3. M.D (NTDC), WAPDA House Lahore for information please.
- 4. Registrar NEPRA, NEPRA Tower Islamabad.
- 5. Chief Financial Officer (CFO CPPA-GL), Shaheen Plaza, Plot no. 73-West, Blue Area Islamabad,
- 6. Chief Technical Officer (CTO CPPA-GL), Shaheen Plaza, Plot no. 73-West, Blue Area Islamabad.
- 7. Chief Technical Officer (GENCO Holding), OPF Building G-5/2 Islamabad.
- 8. General Manager Power System Planning NTDC, 4th Floor PIA Building Lahore.
- 9. Director I.T NTDC, WAPDA House Lahore.

MERIT ORDER

Based on Revised Fuel Prices, Effective From 16-05-2022 Time, 00:00 Hrs

Sr.No.	Plunt Groups	Post Typis	Other Cost Re/kWh	Yusi Csat Najawa	YORM Cost Reawn	Specific Cost AVA, aff	Status in Last Mori
1	UCH (upto 152.375 MWh)	Ges	12890,0	1,67840	0,44489	2,05940	<u> </u>
3	LIBERTY Power [Upla 61,904 hWh]	Gos		2,45730	0.84480	3,00210	1 2
8	Engre Power Than	Cust		2.62830	1,70530	3,63960	
	747 MW GUDDU (CCP)	Oas		5.94510	0.88180	8,60870	
\$	XAPCO BI	Gat		0.50852	0,44038	7,24637	6
		Address of the Assessment of the Contract of t	***************************************		0,00000	7.20160	Direct Contract Contract of the Contract Contrac
5	[Guesou (GCP) B-3 (Lina 11-13)	Ges		7,31270		7.82458	
	Foundition Power	Gea		8.00045	0.71640		المافقة التحاسب
. 8	GTPS Falesiabad 8-IV (Unit 6-9)	Ces		7,76900	0.16260	7,83150	9
è	KAPCO B-R	Gai		7,46781	9.31507	7,91205	
10	Engro PoweriSen	Gas	منخفي المرشد الشعاد	7,35622	0,63328	7,09942	4
11	Guddu (ECP) 8-11 (Unit \$-10)	GS\$		8,12500	0,06690	8,19390	1
12	UCH-II	Qas		7,82032	0.41650	8,33582	11
13	(UCH (spays 152,375 NWh)	Gas	0,06654	7.00320	0.44489	8,41451	13
14	KAPCO 9-III	Gas		7,7235\$	0.99282	8,71840	14
15	HCPG	Gas	1,62860	0.71361	0.83750	9,43771	15
16	747 MW GUCDU (GC)	Qas.		6,57260	0.68160	9,53420	17
17	MuzeRargarh B-II (Link 4)	GES		9.46890	0,16250	8.53140	16
18	Muzafianath B.I (Usa 3)	Gas		9,45239	9,18269	9,84400	19
19	Vamahoro 8-ii (Unit 4)	Gas		9.45670	0.00260	9,74920	26
20						9.84690	7)
	Muzallergath B-I (Unit +1)	Gas		9.88440	0,10280	A CONTRACTOR OF THE PARTY OF TH	
21	Jamehoro 5-li (Unit 3)	Gas		9.86160	0.09280	9.46410	22
22	MuzeMargam B-I (Unit -2)	323		9,81200	0.1\$260	6,87450	23
23	Jamelion B-H (Unit 2)	Gas		10.12639	0.09250	10,21980	24
24	Muzeffangsits 8-III (Link 6)	Gae	-	10.00360	6,16250	10.22810	25
25	Muzaflargade B-M (Unit 6)	Gas		15.12884	0.18360	10,49236	25
26	KAPCO B-I (E/Cycl)	Clas		10.21278	0.44035	10.65313	27
27	Guddu(WoCCP) 64 (Unit 11-13)	Cas		10.94905	0.04690	11,02725	
28	KAPCO B-II (B/Cycl)	Gas		11.20172	0.51407	11.71678	28
29	Jamshore 5-9 (Unit 4)	Mix (****)		12.06460	0.08250	12,15700	29
39	[Guida(WioCCP) B-II (Unit 5-10)	Sins		12,18750	0.06880	12.28840	
The state of the s	Jamesono B-8 (Unk 3)	Ma.(****)		12.32980	0.09250	12,42269	30
31		Gàs		11.58537	10,99282	12,57610	31
35	all the second s				Carlotte and the same of the s	12,75820	ونثن فغربينها الخافعة ولهاساء سنبيرات ويبير شووشين
33	Jamenoro B-II (Unit 2)	Mix.(*****)		12,56560	0.0p250 0,54480	12,83140	32 16
34	CIBERTY Power (Above 61,804 MWA)	Gas		12.2886		A PROPERTY OF THE PROPERTY OF THE PARTY OF T	
35	Lucky Electric Power Company	Coal		12.37460	0.519300	12.59390	33
36	Muzeffergach 5-1/(Unit 4)	Atin.(**)		20,13190	0,10250	26.29440	<u> </u>
37	Mutefragerh B-I (Unit 3)	Mix.(**)	1	20,18165	0,16250	20.32408	41
38	Muzattargerh 8-1 (Unit 1)	Mix (**)	- 1	20.60140	8.19250	20,76890	43
39	Mucaffergam Bil (Link 2)	Mist.(**)		20.87270	0.16260	21.04120	46
40	Muzaffergarh B-III (Unit 6)	Mix.(**)	- 1	21,42700	0,10250	21,58950	
41	Jametroro 8-9 (Unit 4)	Mix (**)		21.93285	0.03250	22.01845	39
2	Muzellagach & III (Link 8)	\$8.()		22,90855	9.15250	22,17105	63
	The same of the sa	Mix.(**)		22,39310	0.09250	32,48590	42
43				23,00308	0.00250	23,10185	45
44	Jamshoro B-II (Unit 2)	Mox (**)		23,00000	0.23620	24.23240	36
45	NPPMC-HBS (CC)	ALNO		and the same of the same		24.28700	34
46	China Power HUB Gen CO	Coal		21.75900	0.52800	the same of the same of the same of the same of	-
47	HPPMC - Baloki (CG)	RLNG	* ::	24.18477	9.28350	24,44827	37
48	QATPL - Bhiski (CC)	RLNS		24.22784	0.68166	24,88944	38
	ALTERN ENERGY LTD. (PH-II)	RLNG		24,33521	1,15240	25,46781	679
	HUBCO	RFO		26.76710	0,28790	28,05500	\$5
		HSD		25,02687	0.30640	26,34527	7.9
	NPPMC-Has (CC)	HSO	,	26,19145	0.33440	26.52585	61
	NPPMC - Babki (CC)			26,39540	0,21980	26,61620	35
	PORT DASIM	Coal	بإخثني	······································	Q.95480	26.84967	62
	DATPL - Bhiliki (CC)	HSO		25,69517	0.65706	29.07148	64
55 (Davis Energen	RING		28.11350	and a second law or with the second	29.32322	79
	CAPCO 8-1	HSD		26,86044	0.44278		
	aphieai Power	Coal		29,27260	0.21060	25,48910	72
	Stent Power Company Ltd	RLIVG		29 61850	0.44290	28.99240	- 44
	lamora Power	RING		29.48976	0.78690	30.24600	47
	SERING S DITES	FELFIG	i	29.81950	0.74010	30,26480	49

1 5-17 2002 h

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MERIT ORDER
Based on Revised Fuel Prices, Effective From 16-05-2022

٠	Based on R	evised Fu	ol Pri	ces, Eff	ective Fro	n 16-l	15-2022 TI	ma: 00:00 H	rs	
51	Salf Power	, p	LNO		29,6	2220	0,75360	30,2	7570	48
82	Nandipur (CC)	, ,	UNG	i ada	29.9	0300	0.74790	30.€	1000	50
63	Muzeffergeth B-II (Unit 4)		2F()	a constitution	30,7	490	0.15250	30.9	740	75
64	Muzaffergerh B-I (Unit -3)		RF()	-	30.8	1080	0.16250		330	76
65	Orlent Power Company Ltd	Martine and Marie and American	450	1	30.39		0.72810			78
86		ب دونسد چیندورنساوست	LNG	-	30.80		0,44038	31.24		52
67			ISD			باستين بليب	1,09260	31.45		50
68	and the same of th	· Omnibus or Santania di Ginaga (a.,								
-			190		- 30.38		1.07540	31.46		83
69	**************************************	****************	ISD		- 30,39		1,08750	31,48		81
70			FO		- 31.51		0.16250	31.680		89
71	in the second		(F()		31,95	940	0.09250	32,05		83
72		, A	FO.	<u></u>	31,04	540	0.16250	32,107	90	91
73		وبروهموف إستشعفت تعويب	so i		31,696	62	0.59531	32,291		104
74		alla de la All	FO		32.093	. ag	0,28411	32,378	10 3 1 2 1	116
75			NG .		31.258	32	1,15240	32,420	(2)	84
76	- a last the same and an arrangement of the same and the	THE PRE	NG		32,493	67	0.46680	32,950	17	\$4
77	Muzetfergarii B-III (Unit -6)	. }	FO	11112	32,790	40	0.14250	32,9529	10	37
78	Alles Power	Transfer Tr	FO		31.280	30	1.73000	32.9903	10 :	.68
79	Nistial Chunlan Power Ltd	FI.	FO		31.317	00	1,72598	33,0423	0	89
- 00	KAPCO B-I	P	FO .		32.655	60	0.75383	33.4194	3	115
81	Attock Gen	All	70	-	31,7191	80	1.75160	33,4714	0	92
82	Muzaffargeth B-III (Unit -6)	R	0		33.687	30	ŏ.16250	33.8498	0	102
83	Engro PowerGen	H	SD	and the first	33,3352		0.64630	33.9815	3	103
. 34	Liberty Power Tech Limited	n,	c		32,1240		1.88550	34,0095		101
85	Jemshoro E-li (Unit 4)	R	0		34,1892		0.09250	34,28170		67
86	The state of the s	HE		*	32,7810		1,50333	34,28439		OB
87	~~ 	RU			33.7872	-	0.51507	34,30226		55
88	FKPCL	RU			33,7579		1.25148	35.01140		56
89	Jantahoto B-II (Unit 3)	RF			34,9246	*****	0,09256	35,01710		(4
99		R.F		***************************************	33.8127		1.73000	35.54270		10
91	KEL	RF	-immed-very		34,59899	-	0.99182	35,59081		9
. 92	Narowal Power	RF			34,36970		1.50780	35.87730		12
93		RLN			34,94442		0,99282	35,93724	-1-5	
95	Uarnshoro B-II (Unit 2)	RF			35,86180		0,09250	35,98430	8	
95	KAPCO H-II	RF		4	35,84007		1,07519	36,91526	1 11	**********
- 95	Muzaffargoth B-I (Unit 4)	Atix.(*	26.81805		18250	36,98055		**********
97	Muzeffergerit B-I (Unit 3)	Mbr.(*			36.87136	-	,16250	37.03385	69 70	· · · · · · · · · · · · · · · · · · ·
98	SABA	RFC	******		37,52350		.28420	37.50770	1 11	**********
99	Muzeffergech B-J (Unit 1)	Miz.(*)			37,88720		16250	37,82970	77	
100	Muzaffargarh 8-1 (Unit 2)	Max (**	~~~~ }~~~~		38,16945	****	18250	38,33195	82	-
101	GTPS Falsalabed B-IV (Unit 5-8)	RLN	5	***************************************	38.23310		18250	38,39560	90	Commence of the last
102	Muzaffargarh 8-HI (Unit 6)	Mb.(**	f*)	*	39.18100		16250	39.32350	93	
103	LALPIR (PVI) LIG	RFO			39,25812	recommended.	28411	39,55223	110	
104	Muzattergarh B-ill (Unit 6)	Mbu(***		*	40.21160		16250	40.37410	98	
105	Muzaffargarh B-il (Unit 4)	RUNG	متيرجعت وأحساسا	*	42.84120		16250	43,00370	65	إخبنينا
106	Muzefergern 8-1 (Unit -3)	RENG			42.90190	-	16250	43.00440	68	
107	Jamshoro B-II (Unit 4)	Mix.(***		-	42.88455		09250	43,07705	er francisco estructura in con-	
108	KAPCO B-I (S/Cycl)	HSD	حند حنا وک		43.32066	-	14270	43,76344	96	إختصيت
109	Muzeffergerh BI (Unit -1)	RLNG			43,81800	_	6250	43.97850	118	-
110	Jametoro B-II (Unit 3)	Mix (***			43.90135		9250	43.99385	71	
111	Mutaffargam B-I (Uolt -2)	RING			41,39350		5250	44.55500	100	
112	Jamshoro 6-II (Unit 2)	[A]x.(****	1		45.09490		9230	45.18740	74	
113	Muzuffargarii B-III (Unit -8)	RLNG	-		45.53180		625¢	45.09410	105	
-	KAPGO 8-I (S/Cyci)	RING	1		46.20656		4038		86	
*********	Muzeffergerin 8-jil (Unit -6)	RLNG	+	+	46,73590		5250 E	46,84890	94	
	KAPGO B-II (S/Cyd)	HSD	1	<u>المنتشنة</u>	47.54493	Commercial State of the	3531	48,14024	95	
	KAPCO 8-I (8/Cyel)	RFO	1		48.98340		3383	TO THE REAL PROPERTY AND ADDRESS OF THE PARTY OF THE PART	118	انبنت
	KAPCO 8-III (SVCyel)	HSC	+		49.17159		1333	49,74723	121	
	KAPCO Ball (S/Cyb)	RING	1		50.88088	****	507	50,07492 Kt 46890	120	
and the same of the same of	Jamshoro 6-H (Unit 4)	RLNG	1		61.77990	0.09		51,19538	106	
-	Jamshoro B-9 (Unit 3)	RLNG	 	The same work of the same	52.07810	0.09		51.97240	107	إستنت
مجابعه سنمستباه	KAPCO B-III (S/Cycl)	FLNO	 	-	52.41663	0.93		52,97060	108	
······································	Jamisharo B-II (Urili Z)	RLNG	<u> </u>		54.29890	0.00	the same of the same of the same of	53,40945 54,30050		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	KAPCO B-II (S/Cyol)	RFO	<del> </del>	-	53,76611	1.07		54,63530	113	
	The same of the sa					(1207)	こうぎょうい まっかん	- *********	122	1

### MERIT ORDER

# Based on Revised Fuel Prices, Effective From 16-05-2022 Time. 00:00 Hrs

The objudition of fuel cost Rs.AWh and OSM cost Rs.AWh has not been calculated by NPCC Islamabad. The same has been communicated to NPCC by Chief Financial Officer CPPA-G vide letter No.CPPA-G/MIT/5022-23, dated 14-05-2022 received in the office of General Manager (System Operation) through Email dated 14-05-2022, because NPCC has no any Data regarding heat rate, fuel cost and O&M cost etc.

### Notes:

- Fuel index for HUBCO also includes Heat Rate & C.Vakie on the basis of 100% load. The PLAO payable to HUBCO must be kept in view by NPCC. The bonus payable to IPPs when dispatch exceeds the bonus threshold specified in the PPAs of the respective IPPs must be kept in view.
- 7 General Sales Tax is not included in the above calculations,
- RFO rates are on per Metric Ton, HSO rates are on per Litre, Gas rates are to MMSTU except KAPCO.
- Other cost of Uch Power is due to Excise duty on des
- RFO Revised Rates are calculated on the basis of weighted average fuel stock as provided by relevant IPP is used for merit order. Where accurate fuel stock position is not available, latest FCC rate is used for ment order.
- Latest available RLNG rates as notified by OGRA have been used,
- Fixed costs have not been used for ment order compilation pursuant to SDC 14,3.2 of the Grid Code 2005.
- Plant Availability on Any specific Fuel must be confirmed before the Dispetch is given. Cost of transmission losses on dispetch of plants may be ofven due consideration
- The FCC rates have been assumed at 100% plant factor i.e. unity Port Load Correction factor. These rates may vary at different operation / Despatch level after application of Part Load Correction (PLAC) factors given in the PPA. Therefore, PLAC be taken into account before issuing despaich instructions.
- The dedicated gas projects require minimum despatch of 50% against their availability on gas under respective PPAs, otherwise, shordall energy have to be paid.
- Open Cycle tardif included in line with NEPRA direction to NPCC to give despetch to Open Gycle vide NPCC letter no 10577-82 dt 16-04-22.
- ** Mixed; 50% FO and 50% Gas
  **** Mixed; 50% FO and 50% RLNG
- **** Mixed: Gas and RLNG

1- Bystem Operator will ensure stable power supply in accordance with the Grid Code clause SDQ 1.4.3 Page 185 Grid Code and specially the subclause 1.4.3.3 Page 185 Grid Code & subclause 1.4.3.4 Page 186 Grid Code

2- Merit list issued is only a part of that Grid Code for operation.

3- System Operator will give first priority to smooth, stable, uninterrupted power supply by utilizing all evaluable, resources as per demand.

Chief Technical Officer (GENCOs Holding Co.)

General Manage m Planning (NTDC)

Chief Technical Officer (CTO CPPA-G)

Chief CPPA

General Manager (System Operation) NPCC (NTDC) Convener



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

NEPRA Office Building, G-5/1, Attaturk Avenue (East), Islamabad Phone: 051-9206500, Fax: 051-2600026 Website: <u>www.nepra.org.pk</u>, Email: <u>registrar@nepra.org.pk</u>

OFFICE OF THE REGISTRAR

No. NEPRA/RVADG(Twitt)/LAG-01/8/27-29

May 26, 2022

Chief Executive Officer Central Power Generation Company Itd Guddu Thermal Power Station Guddu Tehsil Kaslanore, District Jacobabad

Subject:

DIRECTION TO FIRE TARIFF MODIFICATION PETITION TO INCLUDE OPEN CYCLE TARIFF OF TPS GUDDU

Reference is made to your letter No. CPGCL/CEO/22/3932-37 dated April 19, 2022 wherein open cycle tariff @1.5 times of combined cycle rate has been requested on the basis of tariff determination dated March 29, 2004 for operation of TPS Guddu units.

2. You are hereby directed to file Tariff Modification petition as per Rule 3 (1) of the NEPRA (Tariff Standards and Procedures) Rules, 1998 to include Open Cycle tariff in the existing tariff of TPS Guddu (old blocks), at the earliest.

(Syed Zawar Haider) Director

Copy to:

Managing Director.
National Transmission and Despatch Co. Ltd. (NTDC)
414 WAPDA House Shahrah-e-Quaid-e-Azam
Lahore

Chief Executive Officer Central Power Purchase Agency Guarantee Ltd Shaheen Plaza. 73-West. Fazl-e-Haq Road, Islamabad





# CENTRAL POWER GENERATION CO. LTD.

(GENCO-II)

2 0722 - 691088 0722 - 679085

genco2_guddu@yahoo.com

OFFICE OF THE CHIEF EXECUTIVE OFFICER

No. CPGCL/CEO/23/2042

the TPS Guddu, 22 September, 2023

The Registrar, National Electric Power Regulatory Authority, NEPRA Tower Attaturk Avenue (East), Sector G-5/1, Islamabad

Subject:

TARIFF PETITION FOR REVISION / MODIFICATION IN TARIFF DETERMINATION OF THE NEPRA DATED 24TH FEBRUARY, 2006 FOR CENTRAL POWER GENERATION COMPANY LIMITED (CPGCL)

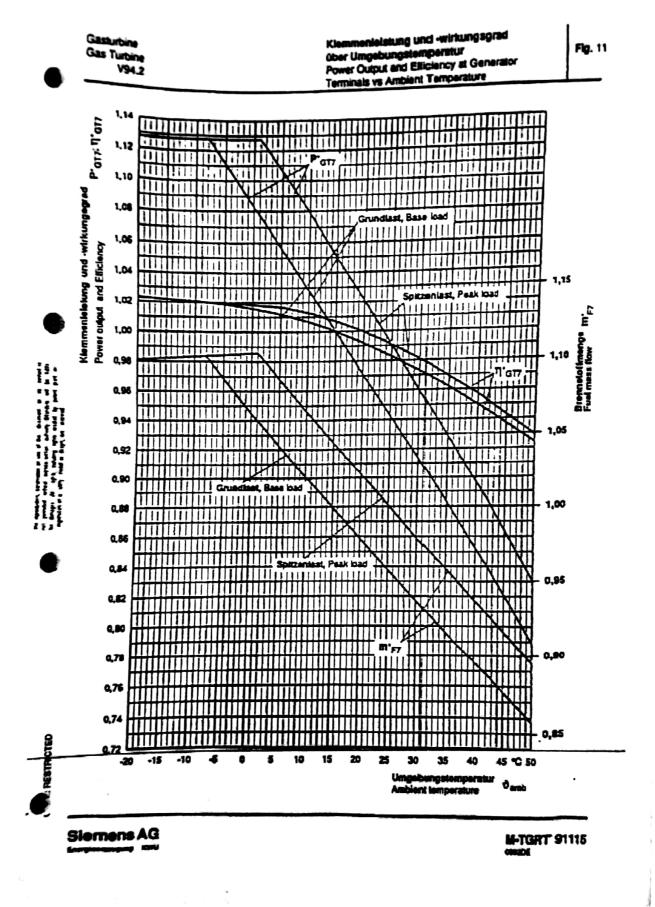
Central Power Generation Company Limited ("CPGCL") was submitted Tariff Modification Petition on 29-05-2023 (copy attached) to include open cycle tariff in existing tariff determination vide No. NEPRA/TRF-44/CPGCL-2005/2837-40, dated 24th February, 2006 pertaining to CPGCL's, Genco-II, TPS, Guddu (Old Blocks).

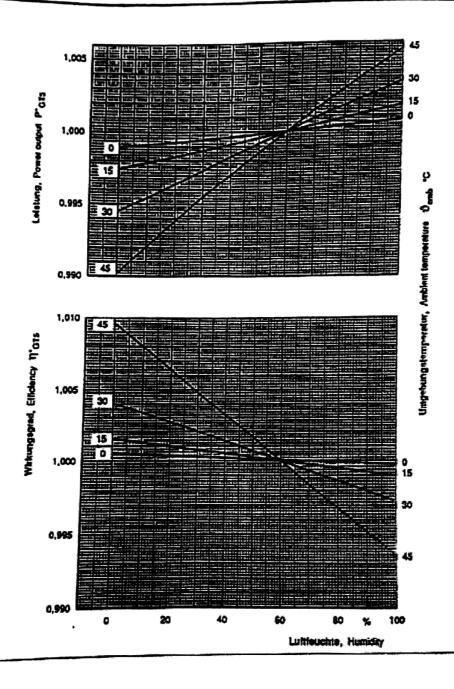
- 2. CPGCL desires to add the adjustment of heat rate under partial loading and other correction factors for ambient conditions as per attached OEM's curve (curves attached) as per international standard in tariff modification petition dated 29-05-2023. CPGCL is continuously operating machines on partial loading on the instructions of NPCC (system operator), resultantly the heat rates increased, and company is bearing financial loss.
- 3. Submitted for kind consideration please.

(Junaid Ahmad Baig) Chief Executive Officer

Jan Dulles

Central Power Generation Company Limited

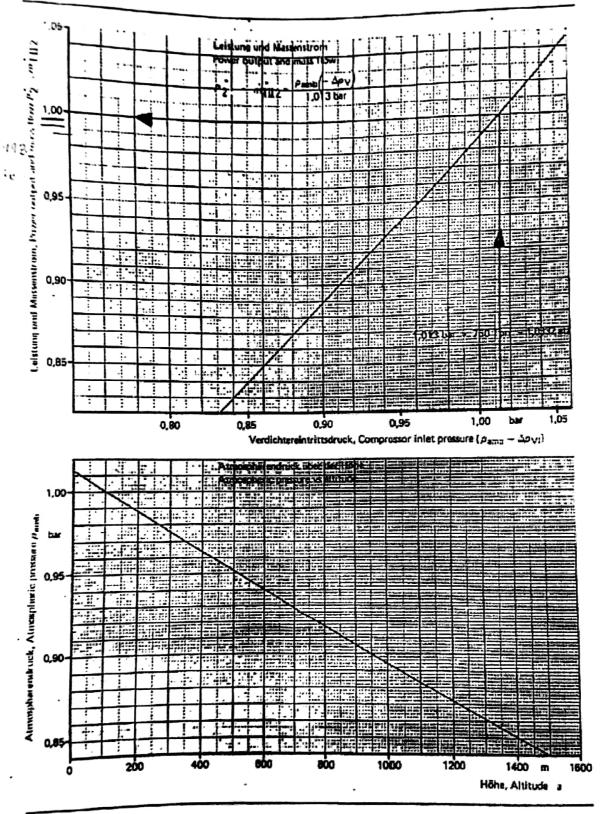




Siemens AG

M-TGRT 89030



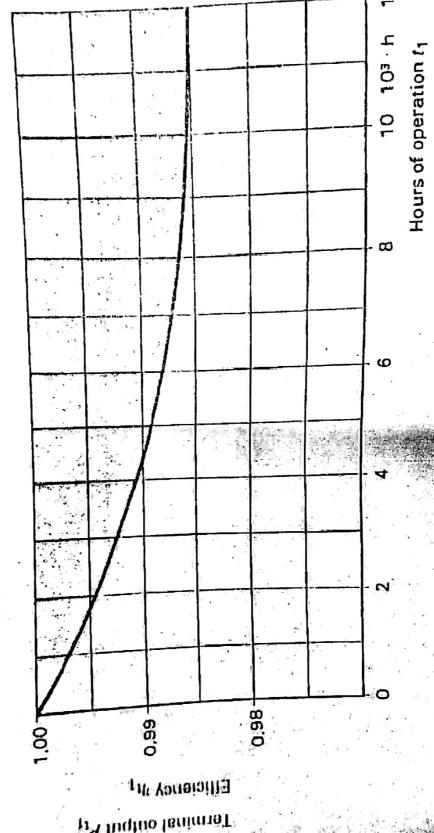


Kraftwerk Union

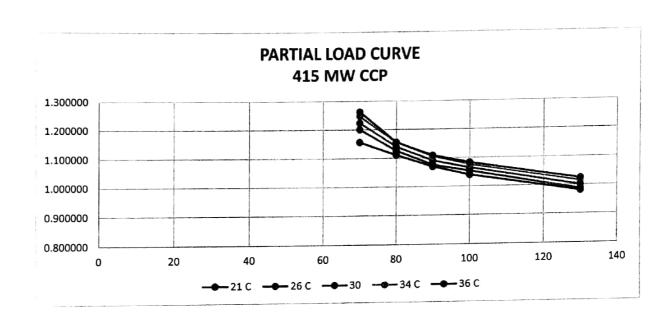
M-TGRT 83038

Effect of aging on output and efficiency

Conditions: Machine clean, adherence to specifications for air and fuel

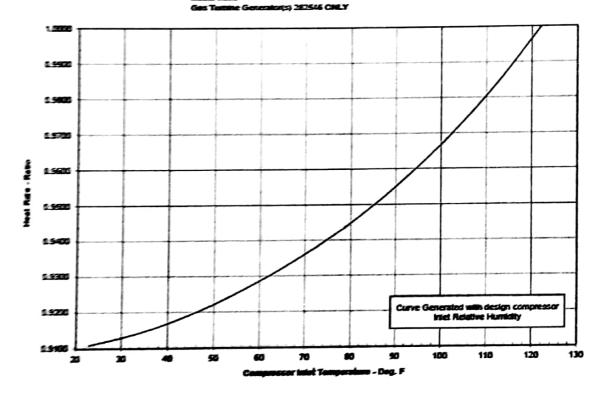


pa Inqino lemmaT



# General Electric Model PG9171 Gas Turbine Guddu F6251 Post-Uprate

Estimated Performance
Effect of Compressor Intel Temperature on Heat Rate
Design Values Referenced on 1011-10222 Rev - Skeet 1 Fact Gas Mode: Bace



					_						
	C Sealing										
		41.44	57.44	46.66	43.76	67.60	78.56	85.00	100.00	111.00	122.00
Company and Supposed	,	25.00								4 44447	1 44444
7 - 4 - 4 A		6 64636	6.54423	4.91921	E.S2575	0.93370	0.94288	0.95376	0.2000	0.38204	1.00000

Crus Am Yi 642574

101H0032 Rev -Sheet 4

d to observe cassiff with or then permission of the GL company.

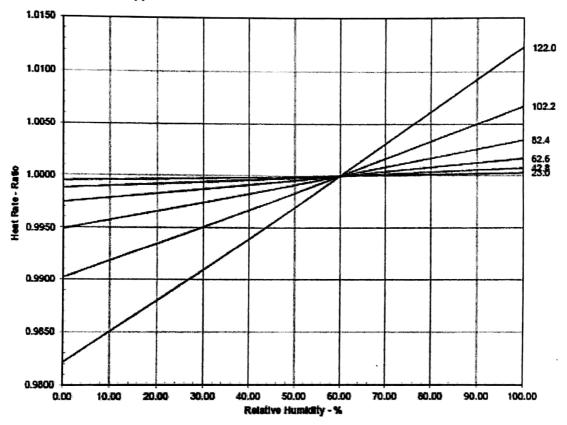
# General Electric Model PG9171 Gas Turbine Guddu F6251 Post-Uprate

**Estimated Performance** 

Effect of Relative Humidity on Heat Rate at Different Compressor inlet Temperatures Design Values Referenced on 101H0032 Rev - Sheet 1 Fuel: Gas

Mode: Base

Gas Turbine Generator(s) 282546 ONLY



			Compressor Infet Temperature - Deg. F										
		23.0	42.8	62.6	82.4	102.2	122.0						
. 6	50.0	1.00000	1.00000	1.00000	1.00000	1,00000	1.00000						
	0	0.99962	8.99683	0.99747	0.99491	0.99024	0.98212						
2	20	0.99968	0.99922	0.99831	0.99660	0.99346	0.98799						
	40	0.99964	0.99961	0.99916	0.99829	0.99672	0.99394						
	50	0.99992	0.99981	0.99958	0.99915	0.99835	0.99695						
	60	1.000000	1.00000	1.00000	1.00000	1.00000	1.00000						
	70	1.00008	1.00020	1.00042	1.00086	1.00165	1.00306						
	80	1.00016	1.00039	1.00065	1.00172	1.00332	1.00616						
1	00	1.00032	1.00078	1.00169	1.00344	1.00666	1.01231						

Chua Jun Yi 01/25/14

101H0032 Rev -Sheet 5

# General Electric Model PG9171 Gas Turbine Guddu F6251 Post-Uprate

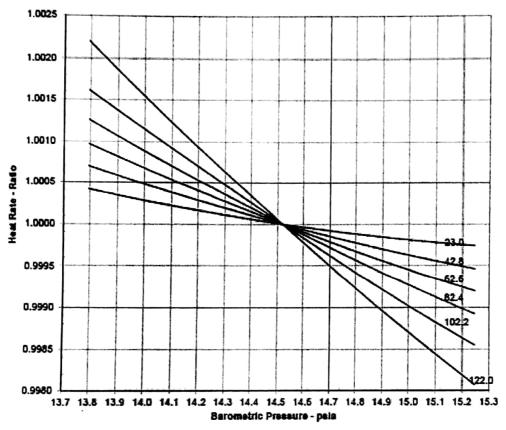
# **Estimated Performance**

Effect of Barometric Pressure on Heat Rate at Different Compressor Inlet Temps

Design Values Referenced on 101H0032 Rev - Sheet 1

Fuel: Gas Mode: Base

Gas Turbine Generator(s) 282546 ONLY



		Compressor iniet Temperature - Deg. F								
		23.0	42.8	62.6	82.4	102.2	122.0			
	13.79	1.00042	1.00070	1.00097	1.00126	1.00162	1.00221			
Ľ	13.94	1.00032	1.00055	1.00076	1.00099	1.00128	1.00173			
ė	14.08	1.00023	1.00040	1.00056	1.00073	1.00095	1.00128			
4	14.23	1.00015	1.00026	1.00037	1.00048	1.00063	1.00084			
Ŧ	14.52	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000			
ē	14.81	0.99988	0.99977	0.99966	0.99955	0.99940	0.99920			
ŦÌ	14.96	0.99983	0.99966	0.99950	0.99933	0.99911	0.99882			
ŧ۱	15,10	0.99978	0.99955	0.99935	0.99913	0.99882	0.99844			
3	15.25	0.99974	0.99946	0.99920	0.99892	0.99854	0.99807			

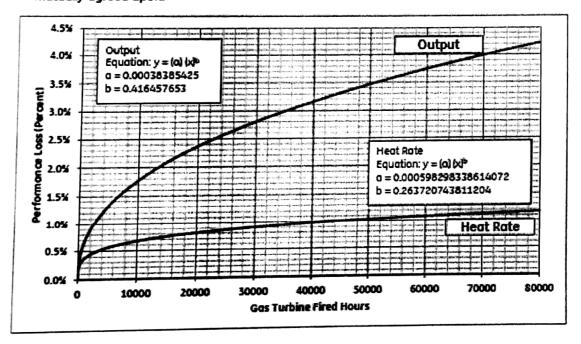
Chua Jun Yi 01/25/14

101H0032 Rev -Sheet 18

# Expected "E Class" Gas Turbine Only Performance Loss Following Normal Maintenance and Off-Line Compressor Water Wash

The aged performance effects represented by these curves are based on the following:

- Performance is relative to the guarantee level
- All gas turbine equipment shall be operated and maintained in accordance with GE's
  recommended procedures for operation, preventive maintenance, inspection and both on-line
  and off-line cleaning.
- All operations shall be within the design conditions specified in the relevant technical specification.
- A detailed operational log shall be maintained for all relevant operational data, to be agreed amongst the parties prior to commencement of contract.
- GE technical personnel shall have access to plant operational data, and site visits prior to
  conducting a performance test. The owner will clean and maintain the equipment. The degree of
  cleaning and maintenance will be determined based on the operating history of each unit,
  atmospheric conditions experienced during the period of operation, the preventive and
  scheduled maintenance programs executed, and the results of the GE inspection.
- The gas turbine will be shut down for inspection and off-line compressor water wash, as a
  minimum, immediately prior to performance testing to determine performance loss. The gas
  turbine performance test shall occur within 100 fired hours of these actions.
- Demonstration of gas turbine performance shall be in accordance with test procedures that are mutually agreed upon.



J. Young 11/26/2013 GE Company Proprietory

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other except with written permission of GE Company

544HA434 Rev. 1

# Combined Cycle Performance

## Heat Rate vs. Ambient Temperature

Estimated Performance

Load: Base Load

Fuet Gas

Ambient Temperature= 30 ℃

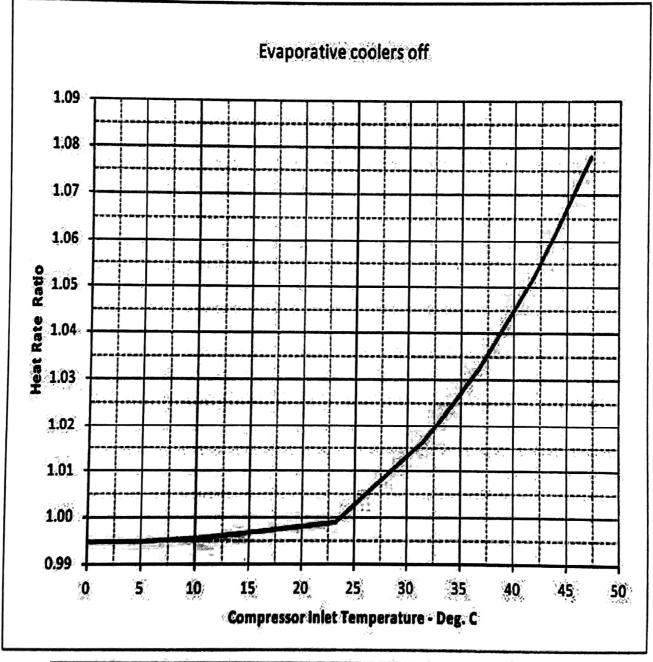
Barometric Pressure= 1004 mbara

Relative Humidity= 50.00 %

Shaft speed = 3000 rpm

Fuel LHV = 33007 kJ/kg

Gas Fuel H/C Ratio = 3.94



Compressor Intel Temperature - Deg.C	9	5.25	10.49	16.74	20.99	21.21	31.48	/3B.73	41.98	47,22
Heat rate Ratio	0.00674	0.09501	0.09860	0.90790	0.99937	1.0000	1.01734	1,03344	1.05343	1.07910
HEI 23/11/2014				,			E29F1	HT-NG	02	R-0

# Correction Curve for Pakistan Guddu Power Plant Combined Cycle Performance

# Heat Rate vs. Relative Humidity at Different Compressor injet Temperature

Estimated Performance

Load: Base Load

Fuel: Gas

Ambient Temperature= 30 °C

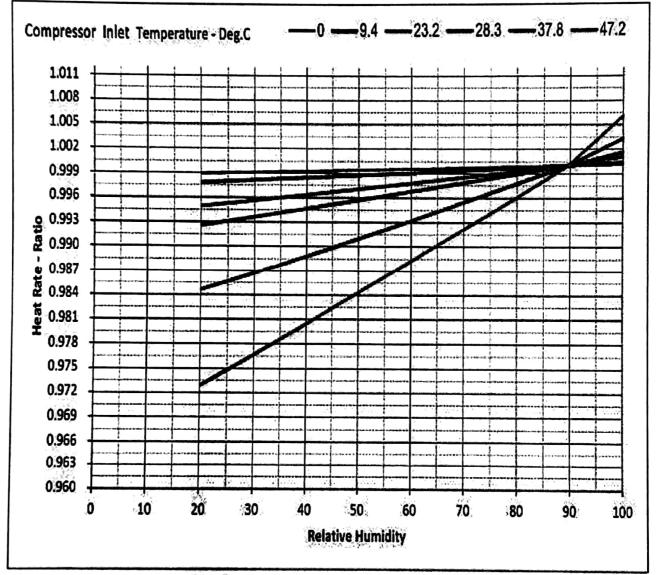
Barometric Pressure= 1004 mbara

Relative Humidity= 50.00 %

Shaft speed = 3000 rpm

Fuel LHV = 33007 kJ/kg

Gas Fuel H/C Ratio = 3.94



Kalathra Humidny	Compressor Iniat Temperature - Deg.C										
	•	8.4	23,2	24.0	137.8	47.2					
20	0.99614	5.09781	0.99491	0.20258	D.58462	0.97248					
	J.99924	0.99844	0.59636	0.98487	D.86679	0.98045					
50	1,91939	0.09874	0.99706	0.09672	0,09005	0.58438					
(45)	0.05054	D:10104	0.99781	Q.94678	0.99320	0.98634					
170	U.95069	0.89957	C.84883	0.01717	D.99548	0.89218					
2 <b>50</b> )	41,09015	0.10165	9.99125	0.00004	0.59770	0,99612					
85.A	1.0000	1.0000	1.0000	1.0000	1.0000	1,0000					
160	1.00019	1.50029	1.00108	1.00181	1.00332	1.00608					

HEI 10/12/2014

E29E1HT-NG-04





# CENTRAL POWER GENERATION CO. LTD.

(GENCO-II)

0722 - 691088

0722 - 679085

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OFFICE OF THE CHIEF EXECUTIVE OFFICER

No. CPGCL/CEO/23/2041

the TPS Guddu, 22-September, 2023

The Registrar, National Electric Power Regulatory Authority, NEPRA Tower Attaturk Avenue (East), Sector G-5/1, Islamabad

Subject:

APPLICATION FOR INTERIM TARIFF AGAINST TARIFF MODIFICATION PETITION FILE BY CENTRAL POWER GENERATION COMPANY LIMITED REGARDING TARIFF DETERMINATION OF THE NEPRA DATED 24TH

FEBRUARY, 2006

Central Power Generation Company Limited ("CPGCL") was submitted Tariff Modification Petition on 29-05-2023 (copy attached) to include open cycle tariff in existing tariff determination vide No. NEPRA/TRF-44/CPGCL-2005/2837-40, dated 24th February, 2006 pertaining to CPGCL's, Genco-II, TPS, Guddu (Old Blocks).

- In this regard, CPGCL is hereby requested to the Authority to allow requested tariff 2. (open cycle tariff, partial loading and other correction factors) as an interim arrangement under clause 4(7) of NEPRA (Tariff Standards and Procedures) Rules 1998. CPGCL is continuously operating machines on open cycle mode and on partial loading on the instructions of NPCC and CPPA-G (Power Purchaser) is considering Energy invoices on combine cycle tariff rates, by doing this, CPGCL is facing financial loss.
- Submitted for kind consideration please. 3.

(Junaid Ahmad Baig)

Chief Executive Officer

Central Power Generation Company Limited