



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

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No. NEPRA/R/ADG(Trf)/TRF-55/AGL-2006/1940-1942

February 9, 2022

**Subject: Decision of the Authority in the matter of Adjustment of Calorific Value (CV)  
for Attock Gen Ltd. (Case No. NEPRA/TRF-55/AGL-2006)**

Dear Sir,

Please find enclosed herewith the subject decision of the Authority along with Annex-I (03 Pages) in the matter of adjustment of Calorific Value for the period 1<sup>st</sup> January to 30<sup>th</sup> June 2021 in respect of Attock Gen Ltd. in Case No. NEPRA/TRF-55/AGL-2006.

2. The Decision is being intimated to the Federal Government for the purpose of notification in the official Gazette pursuant to Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 within 30 days from the intimation of this Decision. In the event the Federal Government fails to notify the subject tariff Decision or refer the matter to the Authority for reconsideration, within the time period specified in Section 31(7), then the Authority shall notify the same in the official Gazette pursuant to Section 31(7) of NEPRA Act.

3. The Order along with Annex-I of the Authority Decision is to be notified in the official Gazette.

Enclosure: As above

Secretary,  
Ministry of Energy (Power Division),  
Government of Pakistan  
'A' Block, Pak Secretariat,  
Islamabad.

( Iftikhār Ali Khan )

CC:

1. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad
2. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.

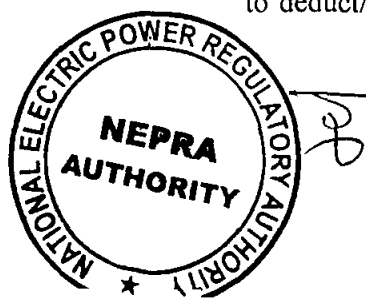


**DECISION OF THE AUTHORITY IN THE MATTER OF ADJUSTMENT OF  
CALORIFIC VALUE (CV) FOR ATTOCK GEN LIMITED (AGL)**

1. Attock Gen Limited (AGL) is required to maintain and submit record of Calorific Value (CV) of furnace oil consumed for power generation for adjustment of CV with respect to reference CV i.e. 18,328 Btu/lb, duly supported with the copies of test reports.
2. The Authority in December 2016 decided to consider average value of test results of both Hydro Carbon Development Institute of Pakistan (HDIP) laboratories at Islamabad and Karachi while calculating CV adjustment.
3. AGL vide its letter dated September 21, 2020 submitted that HDIP Karachi laboratory did not conduct CV tests of RFO samples from July 1, 2020 onward citing the reason that the lab equipment is out of order, therefore, under the current circumstances AGL will only be able to send its RFO sample to HDIP Islamabad laboratory for testing. Further, AGL requested for advice for other alternative till resumption of test at HDIP Karachi. The Authority has considered the request of AGL and vide its letter dated October 14, 2020 directed AGL to get CV tested from SGS lab as a replacement to HDIP Karachi.
4. AGL has calculated an amount of **Rs. 58,830,209/-** payable to the power purchaser on account of variation in CV of RFO consumed during the period Jan-June 2021. In support, AGL submitted record of CVs for its adjustment with respect to the reference CV of 18,328 Btu/lb duly supported with the copies of test reports certified from HDIP laboratory at Islamabad and SGS Lab.
5. AGL calculated payable amount after application of heat rate correction factor ( $K_L$ ) provided in the Power Purchase Agreement (PPA). While Authority determines Fuel Cost Component without the application of  $K_L$  factor, the receivable or payable amounts on account of actual CV are also worked out without application of  $K_L$  factor. CPPA-G shall take into account the impact of applicable  $K_L$  factor on the receivable amount determined by the Authority.
6. The Authority decided to approve an amount of **Rs. 58,006,435/-** payable by AGL to the power purchaser on account of adjustment of CV against the reference CV of 18,328 Btu/lb for the period 1<sup>st</sup> January to 30<sup>th</sup> June 2021. The detailed calculations are attached as **Annex-I**.

**Order**

7. The Central Power Purchasing Agency (Guarantee) Limited (CPPAG) is hereby directed to deduct/adjust **Rs. 58,006,435/-** against the outstanding amount of AGL on account of





adjustment of calorific value for the period 1<sup>st</sup> January to 30<sup>th</sup> June 2021. CPPA-G shall take into account the impact of applicable  $K_L$  factor on the receivable amount determined by the Authority.

8. The above order of the Authority along with Annex-I shall be notified in the official gazette in accordance with the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997.
9. CPPA (G) to ensure that all payments are consistent with the tariff determination.

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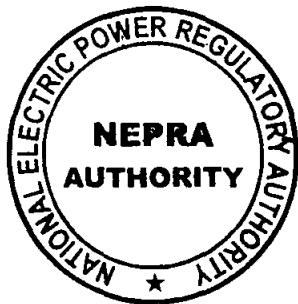
**Authority**

Rehmatullah Baloch  
Member

Engr. Rafique Ahmed Shaikh  
Member  
57/1/22

Engr. Maqsood Anwar Khan  
Member

Tauseef H. Farooqi  
Chairman



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**ATTOCK GEN LIMITED**  
**Calculation of Calorific Value Adjustment**

S.No	Month	Period	Reference CV (BTU/lb)	Apporved FCC (Rs./kWh)	Actual CV (Average) (BTU/lb)	Revised FCC (Rs./kWh)	Difference (Rs./kWh)	Units Billed	Differential Amount
1	Jan-21	01-15 Jan 2021	18,328	11.6970	18,811	11.3970	-0.3000	39,946,631	(11,985,375)
		16-31 Jan 2021	18,328	12.4990	18,818	12.1739	-0.3251	17,845,605	(5,802,262)
2	Feb-21	01-15 Feb 2021	18,328	12.8270	18,814	12.4957	-0.3313	1,436,998	(476,142)
		16-28 Feb 2021	18,328	13.5008	-	-	-	-	-
3	Mar-21	01-15 Mar 2021	18,328	14.2564	18,817	13.8863	-0.3701	-	-
		16-31 Mar 2021	18,328	14.5471	18,967	14.0574	-0.4897	2,684,756	(1,314,786)
4	Apr-21	01-15 Apr 2021	18,328	14.2455	18,985	13.7529	-0.4926	1,772,216	(873,032)
		16-30 Apr 2021	18,328	13.2504	18,961	12.8080	-0.4424	1,763,288	(780,000)
5	May-21	01-15 May 2021	18,328	14.0710	19,011	13.5658	-0.5052	1,499,742	(757,619)
		16-31 May 2021	18,328	14.2312	19,050	13.6918	-0.5394	23,947,492	(12,916,468)
6	Jun-21	01-15 Jun 2021	18,328	13.6058	18,767	13.2875	-0.3183	25,951,705	(8,259,612)
		16-30 Jun 2021	18,328	14.7759	18,903	14.3264	-0.4495	33,019,936	(14,841,141)
Amount Payable by AGL to CPPA (G)									(58,006,435)

