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No. NEPRA/R/ADG(Trf)/TRF-308/HSRPEL-2015/16519-23

November 04, 2024

Chief Executive Officer,
Huaneng Shandong Ruyi (Pakistan) Energy Private Limited,
House No. 4, A, Street No.20,
F-8/2, Islamabad

Subject: Decision of the Authority in the matter of Fuel Price Adjustment for the month of August 2024 for Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited

Enclosed please find herewith the subject Decision of the Authority along with Annex-I, II, III & IV (total 06 pages) in the matter of Fuel Price Adjustment on account of Coal price variation for the month of August 2024 in respect of Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited in Case No. NEPRA/TRF-308/HSRPEL-2015.

Enclosure: As above

Wasim Anwar Bhinder
(Wasim Anwar Bhinder)

Copy to:

1. Secretary, Ministry of Energy (Power Division), 'A' Block, Pak Secretariat, Islamabad
2. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad
3. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad
4. Chief Executive Officer, Central Power Purchasing Agency Guarantee Limited (CPPAG), Shaheen Plaza, 73-West, Fazl-e-Haq Road, Islamabad



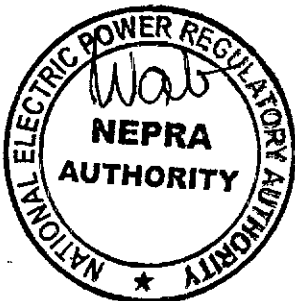
**DECISION OF THE AUTHORITY IN THE MATTER OF FUEL PRICE
ADJUSTMENT FOR THE MONTH OF AUGUST 2024 FOR HUANENG
SHANDONG RUYI (PAKISTAN) ENERGY PRIVATE LIMITED**

1. Pursuant to the Authority's decision dated March 31, 2015 in the matter of Approval of Upfront Coal Tariff for 2x660 MW coal power plant of Huaneng Shandong Ruyi (Pakistan) Energy Private Limited (HSRPEL), decision dated September 23, 2016 regarding Suo Moto Review Proceedings in the Fuel Price Adjustment Mechanism, decision dated February 15, 2018 regarding inland freight charges, decision dated January 17, 2019 in the matter of tariff adjustment at Commercial Operation Date (COD) of HSRPEL and decisions dated August 22, 2019 & May 6, 2021 in the matter of motion for leave for review regarding fuel price adjustments, the fuel portion of the energy charge part of HSRPEL's tariff has been adjusted for variation in coal price(s). HSRPEL requested weighted average coal price of Rs. 52,790/Ton for coal consumed during the month of August 2024. HSRPEL requested fuel cost component of Rs. 20.6586/kWh for August 2024.
2. HSRPEL requested an amount of USD 150,000 for PIBTL's storage and shifting charges in the Shipment No. HSR 340 (MV Antigoni Force). However, PIBTL provides the free storage space for fifteen (15) days and HSRPEL used storage space beyond the allowed days, resulting, PIBTL charged to HSRPEL, USD 150,000 for additional storage and shifting charges. This cost was avoidable and cannot be passed on to consumers, therefore, the same has not been included in the calculation of coal price.
3. The Marine freight has been worked out the basis of 42,300 tons and 50,000 tons or actual ship quantity whichever is higher for ships unloaded at PQA Marginal Wharf 3 & 4 and PIBTL respectively and on the basis of provided documentary evidences, PDA charges have also been worked out on the basis of respective quantities. Further, Shipment No. Awan LT-12 was procured from Mozambique and PDA charges of subject shipment have been benchmarked on the basis of South African coal imports.
4. The Authority in its collective and joint wisdom considering all aspect decided with consensus as under; which will be hereafter called as decision of the Authority in the matter:

"Based on the documentary evidence and information submitted by HSRPEL, the fuel cost component of energy charge part of HSRPEL's tariff is adjusted for variation in coal price for the month of August 2024."

5. The revised FCC of energy charge part of HSRPEL's tariff indicated hereunder shall be immediately applicable to the units delivered during the month:

Period	Reference Fuel Cost Component Rs./kWh	Revised Fuel Cost Component Rs./kWh
August 2024	4.2913	19.1743



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6. The above referred revised fuel cost component along with revised coal prices, marine freight and inland freight charges attached as **Annex-I, Annex-II, Annex-III & Annex-IV**, respectively, are to 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.
7. CPPA (G) to ensure that all payments are consistent with the tariff determination(s).

AUTHORITY

Mathar Niaz Rana (nsc)
Member

Engr. Maqsood Anwar Khan
Member

Engr. Rafique Ahmed Shaikh
Member

Amina Ahmed
Member

Waseem Mukhtar
Chairman



Huaneng Shandong Ruyi Energy (Private) Company Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Coal Price Variation for the Month of August 2024

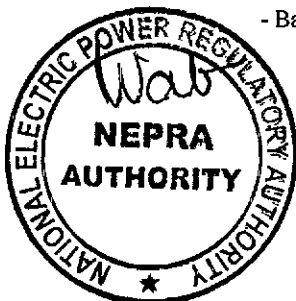
Description	Quantity	Net CV	Coal Price		Exchange Rate
	Ton	kCal/Kg	US\$/Ton	Rs/Ton	Rs./US\$
Consumption from Stock:					
Consumption from Awan LTShip-10	21,860	5,518	160.49	44,806	279.19
Consumption from Awan LTShip-11	41,234	5,642	172.35	48,005	278.53
Consumption from Awan LTShip-12	40,458	5,629	179.46	49,936	278.26
Consumption from Awan LTShip-13	19,530	5,696	174.53	48,657	278.79
Consumption from Shipment No. HSR 340	5,000	5,872	425.56	93,371	219.41
Total Consumption	128,082	5,634	182.79	49,939	273.21

Description	Unit	Reference Jan 17, 2019	Previous	Revised
Avg. price of stock consumed during the month	Rs./Ton	13,605	43,256	49,939
Avg. net calorific value of stock consumed during the month	kCal/Kg	5,990	5,631	5,634
Avg. net calorific value of stock consumed during the month	BTU/Kg	23,768	22,345	22,357
Net Heat Rates	BTU/kWh	8,584	8,584	8,584
Revised Fuel Cost Component	Rs./kWh	4.9135	16.6169	19.1743

- The above adjustment of fuel cost component on coal shall be subject to verification by a consultant/Independent third party to be appointed for the purpose by the Authority. In case the verified delivered coal price is different, the fuel cost component shall be revised accordingly.

- The coal consumption is for the period August 1, 2024 to August 31 2024.

- Based on data declared by Huaneng Shandong Ruyi Energy (Private) Company Limited.



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Huaneng Shandong Ruyi Energy (Private) Company Limited
Details of Shipmnets
For the Month of August 2024

Shipment Number		Awan LT-11	Awan LT-12	Awan LT-13	HSR 340
Vessel Name		MV ZHE HAI	MV GELICO	MV XIN HAI TONG	MV ANTIGONI FORCE
Bill of Lading (B/L) Date		17-Apr-24	6-May-24	8-Jul-24	20-Jul-22
L/C / TT Number		-	-	-	-
Origin		South Africa	Mozambique	South Africa	South Africa
API-4 Index for the month of B/L Date	US\$/Ton	106.94	107.61	107.86	328.79
Coal Price Differential to API 4 for the month of B/L	US\$/Ton	(8.09)	(7.88)	(7.15)	-
Discount	US\$/Ton	(0.50)	(0.50)	(0.50)	-
Fixed Price	US\$/Ton	98.35	99.23	100.21	328.79
Base Calorific Value	kCal/Kg	5,500	5,500	5,500	6,000
Actual Calorific Value	kCal/Kg	5,642	5,629	5,696	5,872
Quantity	MT	41,927	40,761	41,430	56,700
FOB Coal Price API-4 Index as per B/L month Adjusted for CV	US\$/Ton	100.89	101.56	103.78	321.78
Penalty for Ash	US\$/Ton	(0.45)	(0.21)	(0.18)	-
Marine Freight Charges	US\$/Ton	26.53	26.99	25.43	28.60
Marine Insurance	US\$/Ton	0.11	0.13	0.08	0.31
CIF Coal Price	US\$/Ton	127.07	128.46	129.11	350.68
Handling Loss 1% or actual whichever is minimum	US\$/Ton	-	-	-	-
CIF Coal Price with losses at Karachi	US\$/Ton	127.07	128.46	129.11	350.68
Other Charges:	US\$/Ton	16.54	17.34	17.60	46.24
(i) Port Handling Charges	US\$/Ton	4.23	4.23	4.23	4.41
(ii) Port Qasim Royalty Charge	US\$/Ton	2.52	2.52	-2.52	2.46
(iii) Customs Duties & Cess	US\$/Ton	7.78	8.64	8.66	33.97
(iv) PDA Charges at Load Port	US\$/Ton	0.66	0.56	0.66	0.36
(v) PDA Charges at Discharge Port	US\$/Ton	1.03	1.06	1.20	0.67
(vi) Freight Forwarding/Custom Clearance	US\$/Ton	0.04	0.04	0.04	0.03
(vii) Wharfage Charges	US\$/Ton	0.12	0.12	0.12	0.15
(viii) Commodity & Ash Fusion Temperature Inspection	US\$/Ton	0.07	0.07	0.07	-
(ix) L/C / TT Charges	US\$/Ton	0.10	0.10	0.10	-
(x) Transportation & Loading Charges	US\$/Ton	-	-	-	4.18
Inland Freight Charges	US\$/Ton	27.03	32.32	26.09	24.42
Delivered Coal Price before adjustment of Handling Loss	US\$/Ton	170.64	178.12	172.80	421.34
Handling Loss 1% or actual whichever is minimum	US\$/Ton	1.71	1.34	1.73	4.21
Delivered Coal Price with losses at Power Plant	US\$/Ton	172.35	179.46	174.53	425.56
Exchange Rate	Rs./US\$	278.53	278.26	278.79	219.41
Delivered Coal Price with losses at Power Plant	Rs./Ton	48,005	49,936	48,657	93,371



Huaneng Shandong Ruyi Energy (Private) Company Limited
Marine Freight Calculation
For the Month of August 2024

Description		Awan LT-11	Awan LT-12	Awan LT-13	HSR 340
		MV ZHE HAI	MV GELICO	MV XIN HAI TONG	MV ANTIGONI
		PQA	PQA	PQA	PIBTL
Delivery Days:					
Voyage	Days	27.04	27.04	27.04	27.04
At Port	Days	6.59	6.43	6.52	5.16
Total Delivery Days	Days	33.63	33.47	33.56	32.20
Average Time Charter Rate	US\$/Day	15,735	16,441	14,669	22,406
Time Charter Cost (Voyage)	US\$	425,435	444,524	396,613	605,802
Time Charter Cost (At Port)	US\$	103,698	105,795	95,701	115,570
Bunker Consumption:					
Bunker during Voyage	Ton	878.72	878.72	878.72	878.72
Bunker during Port Days	Ton	32.95	32.17	32.62	25.79
Total	Ton	911.67	910.89	911.34	904.51
Bunker Price	\$/Ton	650.50	649.00	640.00	995.00
Bunker Cost (Voyage)	US\$	571,607	570,288	562,380	874,325
Bunker Cost (At Port)	US\$	21,435	20,881	20,877	25,661
Total Cost:					
Total Voyage Cost	US\$	997,042	1,014,812	958,993	1,480,127
Total At Port Cost	US\$	125,133	126,676	116,577	141,231
Total Cost	US\$	1,122,174	1,141,488	1,075,570	1,621,359
Quantity	Tons	42,300	42,300	42,300	56,700
Marine Freight	US\$/Ton	26.53	26.99	25.43	28.60

*PDA Charges both at Load and Discharge Ports have been included in Other Charges



Huaneng Shandong Ruyi Energy (Private) Company Limited
Inland Freight Charges
For the Month of August 2024

Description	Reference	Revised			
		Pipri			
Fixed Freight Charges (FFC)	1.77	3.30	3.49	3.49	2.21
Variable Freight Charges (VFC)	0.81	2.00	2.10	2.05	1.65
(i) Fuel	0.40	1.25	1.30	1.25	1.15
(ii) O&M	0.40	0.75	0.80	0.80	0.51
Other Freight Charges Component	0.72	0.72	0.72	0.72	0.72
Profit Margin	0.23	0.23	0.23	0.23	0.23
Total Freight Charges (Rs/Ton/km)	3.53	6.26	6.54	6.49	4.82
Distance (Km)	1,060	1,060	1,060	1,060	1,060
Total Freight Charges (Rs/Ton)	3,743	6,633	6,937	6,879	5,105
Indexation Values:					
Consumer Price Index Base Year 2015-16	131.67	245.61	259.74	259.74	164.45
HSD Price (Rs./Liter)	87.12	269.06	280.64	268.88	247.43
Spurline Component:					
Spurline Component (Rs./ton)	190	896	2,055	394	254
Total Quantity Handeled (Tons)	302,087	63,968	27,903	145,432	225,973
Inland Freight Charges with Spurline (Rs/Ton)	3,933	7,529	8,992	7,274	5,359
Exchange Rate	-	278.53	278.26	278.79	219.41
Inland Freight Charges with Spurline (USD/Ton)	-	27.03	32.32	26.09	24.42
Handling Month		Jun-24	Jul-24	Aug-24	Sep-22

