



**Registrar**

# **National Electric Power Regulatory Authority**

## **Islamic Republic of Pakistan**

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No. NEPRA/R/ADG(Trf)/TRF-308/HSRPEL-2015/ 97.10-14

June 27, 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 May 2024 for Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited (HSR) [Case No. NEPRA/TRF-308/HSRPEL-2015]**

Enclosed please find herewith the subject decision of the Authority along with **Annex-I, II, III, IV and V** (total 06 pages) in the matter of fuel price adjustment on account of **Coal** price variation for the month of **May 2024** in respect of Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited.

Enclosure: As above

**(Engr. Mazhar Iqbal Ranjha)**

**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 ADJUSTMNET  
FOR THE MONTH OF MAY 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. 47,246/Ton for coal consumed during the month of May 2024. HSRPEL requested fuel cost component of Rs. 18.4149/kWh for May 2024.
2. 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:

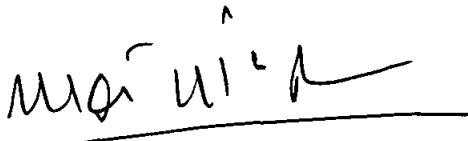
“Based on the documentary evidence and information submitted by HSRPEL, the fuel cost component of energy charge part of HSRPEL's tariff is adjusted for variation in coal price for the month of May 2024.”

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

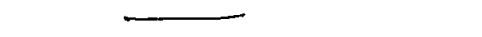
Period	Reference Fuel Cost Component Rs./kWh	Revised Fuel Cost Component Rs./kWh
May 2024	4.2913	16.6068

4. 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 & Annex-V**, 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.
5. 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 May 2024**

Description	Quantity	Net CV	Coal Price		Exchange Rate
	Ton	kCal/Kg	US\$/Ton	Rs/Ton	Rs./US\$
<b>Consumption from Stock:</b>					
Consumption from Awan LT Ship-1	20,465	5,679	155.09	44,039	283.95
Consumption from Awan-06	30,760	5,613	158.55	44,945	283.47
Consumption from Sartaj-06	8,357	5,723	150.29	42,602	283.47
Consumption from Awan LTShip-2	32,217	5,667	148.76	41,803	281.00
<b>Total Consumption</b>	<b>91,799</b>	<b>5,657</b>	<b>153.59</b>	<b>43,427</b>	<b>282.74</b>

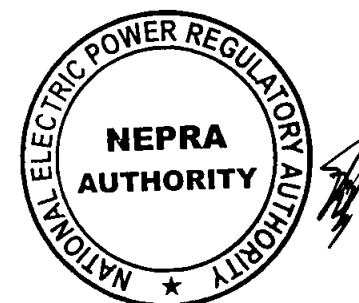
Description	Unit	Reference Jan 17, 2019	Previous	Revised
Avg. price of stock consumed during the month	Rs./Ton	13,605	44,039	43,427
Avg. net calorific value of stock consumed during the month	kCal/Kg	5,990	5,679	5,657
Avg. net calorific value of stock consumed during the month	BTU/Kg	23,768	22,536	22,447
Net Heat Rates	BTU/kWh	8,584	8,584	8,584
<b>Revised Fuel Cost Component</b>	<b>Rs./kWh</b>	<b>4.9135</b>	<b>16.7748</b>	<b>16.6068</b>

- 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 May 1, 2024 to May 31, 2024.

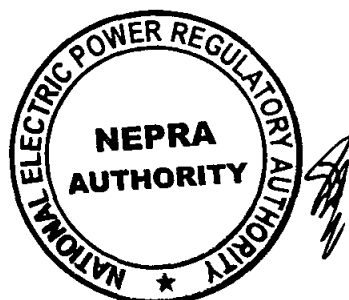
- Based on data declared by Huaneng Shandong Ruyi Energy (Private) Company Limited.

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**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Details of Shipments**  
**For the Month of May 2024**

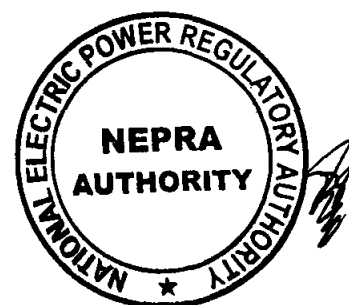
Shipment Number		Awan LT-2
Vessel Name		IVS WINDSOR
Bill of Lading (B/L) Date		5-Jan-24
L/C / TT Number		-
Origin		South Africa
API-4 Index for the month of B/L Date	US\$/Ton	94.77
Coal Price Differential to API 4 for the month of B/L	US\$/Ton	(7.49)
Discount	US\$/Ton	(0.50)
Fixed Price	US\$/Ton	86.78
Base Calorific Value	kCal/Kg	5,500
Actual Calorific Value	kCal/Kg	5,667
Quantity	MT	42,500
FOB Coal Price API-4 Index as per B/L month Adjusted for CV	US\$/Ton	89.41
Penalty for Ash	US\$/Ton	(0.12)
Marine Freight Charges	US\$/Ton	18.60
Marine Insurance	US\$/Ton	0.06
CIIF Coal Price	US\$/Ton	107.96
Handling Loss 1% or actual whichever is minimum	US\$/Ton	-
CIIF Coal Price with losses at Karachi	US\$/Ton	107.96
Other Charges:	US\$/Ton	15.72
(i) Port Handling Charges	US\$/Ton	4.23
(ii) Port Qasim Royalty Charge	US\$/Ton	2.52
(iii) Customs Duties & Cess	US\$/Ton	7.12
(iv) PDA Charges at Load Port	US\$/Ton	0.47
(v) PDA Charges at Discharge Port	US\$/Ton	1.05
(vi) Freight Forwarding/Custom Clearance	US\$/Ton	0.04
(vii) Wharfage Charges	US\$/Ton	0.12
(viii) Commodity & Ash Fusion Temperature Inspection	US\$/Ton	0.07
(ix) L/C / TT Charges	US\$/Ton	0.10
Inland Freight Charges	US\$/Ton	25.08
Delivered Coal Price before adjustment of Handling Loss	US\$/Ton	148.76
Handling Loss 1% or actual whichever is minimum	US\$/Ton	-
<b>Delivered Coal Price with losses at Power Plant</b>	<b>US\$/Ton</b>	<b>148.76</b>
Exchange Rate	Rs./US\$	281.00
<b>Delivered Coal Price with losses at Power Plant</b>	<b>Rs./Ton</b>	<b>41,803</b>



**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Details of Spot Coal**  
**For the Month of May 2024**

Coal Supplier		Awan	Sartaj
Bidding Month		Dec-23	
Invoice No.		ASIC - 23240244	CI-MYP-01
Invoice Date		27-Feb-24	5-Mar-24
Quantity	MT	30,760	8,357
Base Price	Rs./Ton	40,000	40,040
Adjustment in Base Price for CV	Rs./Ton	(2,500)	(1,300)
<b>Adjusted Base Price</b>		<b>37,500</b>	<b>38,740</b>
Base Calorific Value (NCV)	kCal/Kg	5,500	6,000
Actual Calorific Value (NCV)	kCal/Kg	5,613	5,723
<b>Coal Price Adjusted for NCV</b>	<b>Rs./Ton</b>	<b>38,270</b>	<b>36,952</b>
Adjustment for Moisture	Rs./Ton	-	(78)
Adjustment for Ash	Rs./Ton	(374)	-
Adjustment for VM (DAF)	Rs./Ton	-	(1,080)
Adjustment for Sulphur	Rs./Ton	-	(240)
<b>Adjusted Coal Price as Per Request/Invoice</b>	<b>Rs./Ton</b>	<b>37,896</b>	<b>35,554</b>
Inland Freight Charges	Rs./Ton	7,048	7,048
Handling Loss 1% or actual whichever is minimum	Rs./Ton	-	-
<b>Delivered Coal Price with losses at Power Plant</b>	<b>Rs./Ton</b>	<b>44,945</b>	<b>42,602</b>
Adjustment against Benchmark Price of Imported Coal	Rs./Ton	-	-
<b>Net Delivered Coal Price with losses at Power Plant</b>	<b>Rs./Ton</b>	<b>44,945</b>	<b>42,602</b>
Notional Exchange Rate	Rs./US\$	283.47	283.47
<b>Net Delivered Coal Price</b>	<b>US\$/Ton</b>	<b>158.55</b>	<b>150.29</b>

J. S. S.



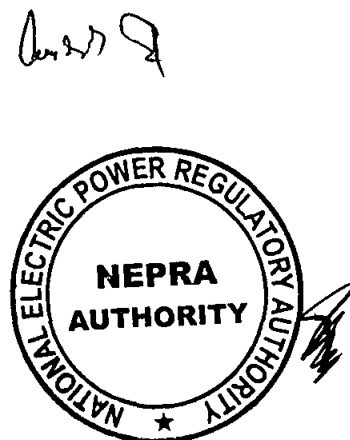
**Annex-IV**

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

Description		Awan LT-2
		IVS
		WINDSOR
		PQA
Delivery Days:		
Voyage	Days	27.04
At Port	Days	6.67
Total Delivery Days	Days	33.70
Average Time Charter Rate	US\$/Day	14,392
Time Charter Cost (Voyage)	US\$	389,124
Time Charter Cost (At Port)	US\$	95,947
Bunker Consumption:		
Bunker during Voyage	Ton	878.72
Bunker during Port Days	Ton	33.33
Total	Ton	912.05
Bunker Price	\$/Ton	614.50
Bunker Cost (Voyage)	US\$	539,973
Bunker Cost (At Port)	US\$	20,483
Total Cost:		
Total Voyage Cost for 42,500 Tons**	US\$	673,971
Total At Port Cost	US\$	116,430
<b>Total Cost</b>	<b>US\$</b>	<b>790,401</b>
Quantity	Tons	42,500
<b>Marine Freight</b>	<b>US\$/Ton</b>	<b>18.60</b>

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

\*\* Total quantity of shipment: 58,588 Tons



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

Description	Reference	Revised
		Pipri
Fixed Freight Charges (FFC)	1.77	3.30
Variable Freight Charges (VFC)	0.81	2.04
(i) Fuel	0.40	1.28
(ii) O&M	0.40	0.75
Other Freight Charges Component	0.72	0.72
Profit Margin	0.23	0.23
<b>Total Freight Charges (Rs/Ton/km)</b>	<b>3.53</b>	<b>6.29</b>
Distance (Km)	1,060	1,060
<b>Total Freight Charges (Rs/Ton)</b>	<b>3,743</b>	<b>6,668</b>
<b>Indexation Values:</b>		
Consumer Price Index Base Year 2015-16	131.67	245.61
HSD Price (Rs./Liter)	87.12	276.21
<b>Spurline Component:</b>		
Spurline Component (Rs./ton)	190	380
Total Quantity Handeled (Tons)	302,087	150,829
<b>Inland Freight Charges with Spurline (Rs/Ton)</b>	<b>3,933</b>	<b>7,048</b>
<b>Handling Month</b>		<b>Jan-24</b>

