

**National Electric Power Regulatory Authority**

**NOTIFICATION**



Islamabad, the 21<sup>st</sup> day of March, 2024

S.R.O. (I)/2024.- Pursuant to Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 and pursuant to the Authority's decisions dated 31<sup>st</sup> March 2015 notified vide S.R.O 560(I)/2015 dated June 01, 2015 in the matter of approval of upfront coal tariff for 2x660 MW coal power plant of Huaneng Shandong Ruyi (Pakistan) Energy Private Limited (HSR), NEPRA hereby notifies the following adjustments in the approved tariff of HSR:

**Annex: NEPRA-LXXV**

**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 2023**

Description	Quantity	Net CV	Coal Price		Exchange Rate
	Ton	kCal/Kg	US\$/Ton	Rs/Ton	Rs./US\$
<b>Consumption from Stock:</b>					
Consumption from Shipment No. HSR 333	13,374	5,501	366.19	80,345	219.41
<b>Total Consumption</b>	<b>13,374</b>	<b>5,501</b>	<b>366.19</b>	<b>80,345</b>	<b>219.41</b>

Description	Unit	Reference Jan 17, 2019	Previous	Revised
Avg. price of stock consumed during the month	Rs./Ton	13,605	84,776	80,345
Avg. net calorific value of stock consumed during the month	kCal/Kg	5,990	5,700	5,501
Avg. net calorific value of stock consumed during the month	BTU/Kg	23,768	22,618	21,829
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>32.1745</b>	<b>31.5942</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.
- Based on data declared by Huaneng Shandong Ruyi Energy (Private) Company Limited.
- The coal consumption is for the period April 16, 2023 to May 15, 2023.

0

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 June 2023

Description	Quantity	Net CV	Coal Price		Exchange Rate
	Ton	kCal/Kg	US\$/Ton	Rs/Ton	Rs./US\$
<b>Consumption from Stock:</b>					
Consumption from Shipment No. HSR 333	28,033	5,501	366.19	80,345	219.41
Consumption from Shipment No. HSR 334	58,203	5,813	395.51	87,922	222.30
Consumption from Shipment No. HSR 335	40,903	5,801	429.16	84,110	195.99
Consumption from Local Purchase (Awan 01)	27,930	6,031	167.62	47,889	285.69
<b>Total Consumption</b>	<b>155,069</b>	<b>5,793</b>	<b>358.04</b>	<b>78,336</b>	<b>218.79</b>

Description	Unit	Reference Jan 17, 2019	Previous	Revised
Avg. price of stock consumed during the month	Rs./Ton	13,605	80,345	78,336
Avg. net calorific value of stock consumed during the month	kCal/Kg	5,990	5,501	5,793
Avg. net calorific value of stock consumed during the month	BTU/Kg	23,768	21,829	22,987
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>31.5942</b>	<b>29.2533</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.

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

- The coal consumption is for the period May 16, 2023 to June 30, 2023.

Q

## Huaneng Shandong Ruyi Energy (Private) Company Limited

## Details of Shipments

For the Month of June 2023

Shipment Number		HSR 334	HSR 335
Vessel Name		CL YINGA HE	VENTURE GRACE
Bill of Lading (B/L) Date		26-Aug-22	28-May-22
L/C / TT Number		-	-
Origin		South Africa	South Africa
API-4 Index for the month of B/L Date	US\$/Ton	332.39	322.96
Coal Price Differential to API 4 for the month of B/L	US\$/Ton	(21.89)	(0.02)
Fixed Price	US\$/Ton	310.50	322.94
Base Calorific Value	kCal/Kg	6,000	6,000
Actual Calorific Value	kCal/Kg	5,813	5,801
Quantity	MT	58,797	41,316
FOB Coal Price API-4 Index as per B/L month Adjusted for CV	US\$/Ton	300.82	312.23
Marine Freight Charges	US\$/Ton	22.72	36.86
Marine Insurance	US\$/Ton	0.31	0.30
CIF Coal Price	US\$/Ton	323.85	349.39
Handling Loss 1% or actual whichever is minimum	US\$/Ton	-	-
CIF Coal Price with losses at Karachi	US\$/Ton	323.85	349.39
Other Charges:	US\$/Ton	36.93	48.81
(i) Port Handling Charges	US\$/Ton	4.61	4.51
(ii) Port Qasim Royalty Charge	US\$/Ton	2.57	2.51
(iii) Customs Duties & Cess	US\$/Ton	23.83	36.05
(iv) PDA Charges at Load Port	US\$/Ton	0.51	0.58
(v) PDA Charges at Discharge Port	US\$/Ton	0.68	0.58
(vi) Freight Forwarding/Custom Clearance	US\$/Ton	0.02	0.02
(vii) Wharfage Charges	US\$/Ton	0.15	0.17
(viii) Commodity & Ash Fusion Temperature Inspection	US\$/Ton	0.03	0.04
(x) Transportation & Loading Charges	US\$/Ton	4.53	4.35
Inland Freight Charges	US\$/Ton	30.81	26.71
Delivered Coal Price before adjustment of Handling Loss	US\$/Ton	391.59	424.91
Handling Loss 1% or actual whichever is minimum	US\$/Ton	3.92	4.25
<b>Delivered Coal Price with losses at Power Plant</b>	<b>US\$/Ton</b>	<b>395.51</b>	<b>429.16</b>
Exchange Rate	Rs./US\$	222.30	195.99
<b>Delivered Coal Price with losses at Power Plant</b>	<b>Rs./Ton</b>	<b>87,922</b>	<b>84,110</b>

Q

**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Marine Freight Calculation**  
**For the Month of June 2023**

Description		HSR 334	HSR 335
		CL YINGA	VENTURE
		HE	GRACE
		PIBT	PIBT
Delivery Days:			
Voyage	Days	27.04	27.04
At Port	Days	4.92	4.33
Total Delivery Days	Days	31.96	31.37
Average Time Charter Rate	US\$/Day	19,183	31,052
Time Charter Cost	US\$	613,037	974,127
Bunker Consumption:			
Bunker during Voyage	Ton	878.72	878.72
Bunker during Port Days	Ton	24.60	21.67
Total	Ton	903.32	900.39
Bunker Price	\$/Ton	800.00	965.00
Bunker Cost	US\$	722,654	868,872
Total Voyage Expense	US\$	1,335,691	1,842,999
Quantity	Tons	58,797	50,000
<b>Marine Freight</b>	<b>US\$/Ton</b>	<b>22.72</b>	<b>36.86</b>

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

Q

**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Details of Local Purchases**  
**For the Month of June 2023**

<b>Consignment Detail</b>		<b>Awan-01</b>
Invoice Date		17-Jun-23
Quantity	MT	61,375
Price as per Quotation	Rs./Ton	48,370
Base Calorific Value (NCV)	kCal/Kg	6,000
Actual Calorific Value (NCV)	kCal/Kg	6,031
Coal Price Adjusted for NCV	Rs./Ton	48,618
Adjustment for Volatile Matter (Dry Ash Free)	Rs./Ton	(812)
Adjustment for Sulphur	Rs./Ton	(275)
Adjusted Coal Price as Per Request/Invoice	Rs./Ton	47,531
Adjustment against Benchmark Price of Imported Coal	Rs./Ton	(6,276)
<b>Net Delivered Coal Price</b>	<b>Rs./Ton</b>	<b>41,255</b>
Inland Freight Charges	Rs./Ton	6,634
Delivered Coal Price before adjustment of Handling Loss	Rs./Ton	47,889
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>47,889</b>
Notional Exchange Rate	Rs./US\$	285.69
<b>Net Delivered Coal Price</b>	<b>US\$/Ton</b>	<b>167.62</b>

Q

**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Inland Freight Charges**  
**For the Month of June 2023**

Description	Reference	Revised		
		Pipri		
Fixed Freight Charges (FFC)	1.77	2.56	2.21	2.56
Variable Freight Charges (VFC)	0.81	1.84	1.60	1.85
(i) Fuel	0.40	1.26	1.09	1.26
(ii) O&M	0.40	0.59	0.51	0.59
Other Freight Charges Component	0.72	0.72	0.72	0.72
Profit Margin	0.23	0.23	0.23	0.23
<b>Total Freight Charges (Rs/Ton/km)</b>	<b>3.53</b>	<b>5.36</b>	<b>4.76</b>	<b>5.37</b>
Distance (Km)	1,060	1,060	1,060	1,060
<b>Total Freight Charges (Rs/Ton)</b>	<b>3,743</b>	<b>5,679</b>	<b>5,046</b>	<b>5,688</b>
<b>Indexation Values:</b>				
Consumer Price Index Base Year 2015-16	131.67	190.67	164.45	190.67
HSD Price (Rs./Liter)	87.12	270.79	235.30	272.52
<b>Spurline Component:</b>				
Spurline Component (Rs./ton)	189.82	1170.91	188.70	946.18
Total Quantity Handeled (Tons)	302,087	48,972	303,884	60,604
<b>Inland Freight Charges with Spurline (Rs/Ton)</b>	<b>3,933</b>	<b>6,850</b>	<b>5,234</b>	<b>6,634</b>
Exchange Rate	-	222.30	195.99	N/A
<b>Inland Freight Charges with Spurline (USD/Ton)</b>	-	<b>30.81</b>	<b>26.71</b>	-
Handling Month	-	Feb-23	Oct-22	May-23

Q

**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 July 2023**

Description	Quantity	Net CV	Coal Price		Exchange Rate
	Ton	kCal/Kg	US\$/Ton	Rs/Ton	Rs./US\$
<b>Consumption from Stock:</b>					
Consumption from Local Purchase (Awan 31)	15,497	6,031	167.62	47,889	285.69
Consumption from Shipment No. HSR 336	43,560	5,577	369.19	82,070	222.30
<b>Total Consumption</b>	<b>59,057</b>	<b>5,696</b>	<b>316.30</b>	<b>73,101</b>	<b>231.12</b>

Description	Unit	Reference Jan 17, 2019	Previous	Revised
Avg. price of stock consumed during the month	Rs./Ton	13,605	78,336	73,101
Avg. net calorific value of stock consumed during the month	kCal/Kg	5,990	5,793	5,696
Avg. net calorific value of stock consumed during the month	BTU/Kg	23,768	22,987	22,603
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>29.2533</b>	<b>27.7611</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.

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

- The coal consumption is for the period July 1, 2023 to July 31, 2023.



**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Details of Shipments**  
**For the Month of July 2023**

Shipment Number		HSR 336
Vessel Name		BAO RUN
Bill of Lading (B/L) Date		22-Aug-22
L/C / TT Number		-
Origin		South Africa
API-4 Index for the month of B/L Date	US\$/Ton	332.39
Coal Price Differential to API 4 for the month of B/L	US\$/Ton	(69.67)
Fixed Price	US\$/Ton	262.72
Base Calorific Value	kCal/Kg	5,500
Actual Calorific Value	kCal/Kg	5,577
Quantity	MT	44,000
FOB Coal Price API-4 Index as per B/L month Adjusted for CV	US\$/Ton	266.40
Marine Freight Charges	US\$/Ton	31.24
Marine Insurance	US\$/Ton	0.30
CIF Coal Price	US\$/Ton	297.93
Handling Loss 1% or actual whichever is minimum	US\$/Ton	-
CIF Coal Price with losses at Karachi	US\$/Ton	297.93
Other Charges:	US\$/Ton	37.76
(i) Port Handling Charges	US\$/Ton	4.23
(ii) Port Qasim Royalty Charge	US\$/Ton	2.52
(iii) Customs Duties & Cess	US\$/Ton	29.05
(iv) PDA Charges at Load Port	US\$/Ton	0.61
(v) PDA Charges at Discharge Port	US\$/Ton	1.15
(vi) Freight Forwarding/Custom Clearance	US\$/Ton	0.02
(vii) Wharfage Charges	US\$/Ton	0.15
(viii) Commodity & Ash Fusion Temperature Inspection	US\$/Ton	0.03
Inland Freight Charges	US\$/Ton	29.84
Delivered Coal Price before adjustment of Handling Loss	US\$/Ton	365.53
Handling Loss 1% or actual whichever is minimum	US\$/Ton	3.66
<b>Delivered Coal Price with losses at Power Plant</b>	<b>US\$/Ton</b>	<b>369.19</b>
Exchange Rate	Rs./US\$	222.30
<b>Delivered Coal Price with losses at Power Plant</b>	<b>Rs./Ton</b>	<b>82,070</b>

A



**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Marine Freight Calculation**  
**For the Month of July 2023**

Description		HSR 336
		BAO RUN
		PQA
Delivery Days:		
Voyage	Days	27.04
At Port	Days	6.87
Total Delivery Days	Days	33.90
Average Time Charter Rate	US\$/Day	19,265
Time Charter Cost	US\$	653,164
Bunker Consumption:		
Bunker during Voyage	Ton	878.72
Bunker during Port Days	Ton	34.33
Total	Ton	913.05
Bunker Price	\$/Ton	790.00
Bunker Cost	US\$	721,311
Total Voyage Expense	US\$	1,374,475
Quantity	Tons	44,000
<b>Marine Freight</b>	<b>US\$/Ton</b>	<b>31.24</b>

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

Q

**Huaneng Shandong Ruyi Energy (Private) Company Limited**  
**Inland Freight Charges**  
**For the Month of July 2023**

Description	Reference	Revised
		Pipri
Fixed Freight Charges (FFC)	1.77	2.56
Variable Freight Charges (VFC)	0.81	1.85
(i) Fuel	0.40	1.26
(ii) O&M	0.40	0.59
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>5.37</b>
Distance (Km)	1,060	1,060
<b>Total Freight Charges (Rs/Ton)</b>	<b>3,743</b>	<b>5,688</b>
<b>Indexation Values:</b>		
Consumer Price Index Base Year 2015-16	131.67	190.67
HSD Price (Rs./Liter)	87.12	272.52
<b>Spurline Component:</b>		
Spurline Component (Rs./ton)	189.82	946.18
Total Quantity Handeled (Tons)	302,087	60,604
<b>Inland Freight Charges with Spurline (Rs/Ton)</b>	<b>3,933</b>	<b>6,634</b>
Exchange Rate	-	222.30
<b>Inland Freight Charges with Spurline (USD/Ton)</b>	-	<b>29.84</b>
Handling Month	-	May-23

[Case No. NEPRA/TRF-308/HSRPEL-2015]

(Engr. Mazhar Iqbal Ranjha)  
 Registrar