

S.R.O. 94(I)/2020.—Pursuant to Section 31 (7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 and decision of the Authority dated March 13, 2015, in the matter of approval of Thar Coal Upfront Tariff for 2 x 330 MW Coal Power Plant of Engro Powergen Thar (Private) Limited (EPTPL), notified vide S. R. O. 233 (I)/2015 dated 18th March, 2015, the fuel portion of the energy charge part of EPTPL's tariff needs to be adjusted for variation in coal price, NEPRA hereby notifies the following adjustments in the approved tariff of EPTPL:

Annex: NEPRA-I

Engro Powergen Thar (Private) Limited
Pre-COD Adjustment on Account of Thar Coal Price Variation for the Month of March 2019

Description	Units	Reference	Revised
Thar Coal Price	USD/Ton	50.69	66.08
Transportation as per TCEB Tariff	USD/Ton/KM	-	0.27
Total Distance from mine to power plant	km	-	5.39
Total Transportation Cost	USD/Ton	-	1.454760
Heating Value Adjusted Thar Coal Price including transportation	USD/Ton	50.69	67.53
Exchange Rate	Rs./ USD	97.10	139.00
Heating Value Adjusted Thar Coal Price including transportation	Rs./ Ton	4,922.00	9,386.67
Coal Consumption during the Month	Tons		2,431.58
Description	Units	Reference	Revised
Heat Rate	Btu/kWh	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	10.710
Fuel Cost Component	Rs./ kWh	4.1207	8.0830

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV)

Heating value adjustment shall be computed annually as per TCEB determination

Annex: NEPRA-II

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the Month of April 2019

Description	Quantity	Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from the Purchase of April 2019	34,527.00	67.53	9,528.48	141.10
Total Consumption	34,527.00	67.53	9,528.48	141.10

**Coal Price includes transportation charges of US\$ 1.45/Ton*

Description	Units	Reference	Revised
Avg. price of stock consumed during the month	Rs./ Ton	4,922.00	9,528.48
Heat Rate	Btu/kWh	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	10.710
Pre-COD Fuel Cost Component	Rs./ kWh	4.1207	8.2048

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV).

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-III

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the Month of May 2019

Description	Quantity	Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from the Purchase of February 2019	12,559.06	67.53	9,359.66	138.60
Consumption from the Purchase of March 2019	16,222.94	67.53	9,386.67	139.00
Total Consumption	28,782.00	67.53	9,374.88	138.83

*Coal Price includes transportation charges of US\$ 1.45/Ton

Description	Units	Reference	Revised
Avg. price of stock consumed during the month	Rs./ Ton	4,922.00	9,374.88
Heat Rate	Btu/kWh	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	10.710
Pre-COD Fuel Cost Component	Rs./ kWh	4.1207	8.0725

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV).

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-IV

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the Month of June 2019

Description	Quantity	Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from the Purchase of March 2019	3,526.00	67.53	9,386.67	139.00
Consumption from the Purchase of April 2019	11,227.00	67.53	9,528.48	141.10
Consumption from the Purchase of June 2019	159,083.00	67.53	10,014.70	148.30
Total Consumption	173,836.00	67.53	9,970.56	147.65

*Coal Price includes transportation charges of US\$ 1.45/Ton

Description	Units	Reference	Revised
Avg. price of stock consumed during the month	Rs./ Ton	4,922.00	9,970.56
Heat Rate	Btu/kWh	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	10.710
Pre-COD Fuel Cost Component	Rs./ kWh	4.1207	8.5855

reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV).

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-V

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the Period of 1-9 July 2019

Description	Quantity	Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from the Purchase of July 2019	91,547.00	67.53	10,825.06	160.30
Total Consumption	91,547.00	67.53	10,825.06	160.30

*Coal Price includes transportation charges of US\$ 1.45/Ton

Description	Units	Reference	Revised
Avg. price of stock consumed during the month	Rs./ Ton	4,922.00	10,825.06
Heat Rate	Btu/kWh	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	10.710
Pre-COD Fuel Cost Component	Rs./ kWh	4.1207	9.3212

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV).

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-VI

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the Period of 10 - 31 July 2019

Variable Fuel Cost Component				
Description	Quantity	Variable Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from the Purchase of July 2019	230,865.00	15.48	2,481.44	160.30
Total Consumption	230,865.00	15.48	2,481.44	160.30

Variable Coal Price including transportation of US\$ 1.45/Ton

Fixed Fuel Cost Component			
Description	Fixed Coal Price		Exchange Rate
	US\$/Ton	Rs./Ton	Rs./ US\$
Fixed Fuel Price	52.05	8343.62	160.30

Description	Units	Reference		Revised	
		Variable	Fixed	Variable	Fixed
Avg. price of stock consumed	Rs / Ton	1,393.44	3,528.12	2,481.44	8,343.62
Heat Rate	Btu/kWh	9,222.49	9,222.49	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	11.005	10.710	10.710
Plant Factor	%	-	85%	-	85%
Fuel Cost Component		Rs. 1.1677/kWh	Rs. 2.5132/kWh	Rs. 2.1367/kWh	Rs. 6.1068/kWh

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV)

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-VII

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the month of August 2019

Variable Fuel Cost Component				
Description	Quantity	Variable Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./Ton	Rs./ US\$
Coal Consumption:				
Consumption from the Purchase of July 2019	78,914.00	15.48	2,481.44	160.30
Consumption from the Purchase of August 2019	202,401.00	15.48	2,476.80	160.00
Total Consumption	202,401.00	15.48	2,478.10	160.08

Variable Coal Price including transportation of US\$ 1.45/Ton

Fixed Fuel Cost Component			
Description	Fixed Coal Price		Exchange Rate
	US\$/Ton	Rs./Ton	Rs./ US\$
Fixed Fuel Price	52.05	8,328.00	160.00

Description	Units	Reference		Revised	
		Variable	Fixed	Variable	Fixed
Avg. price of stock consumed	Rs/ Ton	1,393.44	3,528.12	2,478.10	8,328.00
Heat Rate	Btu/kWh	9,222.49	9,222.49	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	11.005	10.710	10.710
Plant Factor	%	-	85%	-	85%
Fuel Cost Component		Rs. 1.1677/kWh	Rs. 2.5132/kWh	Rs. 2.1338/kWh	Rs. 6.0954/kWh

Reference heating value as per TCEB determination for years 1 - 8 is 1130 MJ/KG (LHV)

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-VIII

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the month of September 2019

Variable Fuel Cost Component				
Description	Quantity	Variable Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./Ton	Rs./ US\$
Coal Consumption:				
Consumption for the month of August 2019	95,092	15.48	2,476.80	160.00
Consumption for the month of September 2019	227,117	15.48	2,430.36	157.00
Total Consumption	322,209	15.48	2,444.07	157.89

**Variable Coal Price including transportation of US\$ 1.45/Ton*

Fixed Fuel Cost Component			
Description	Fixed Coal Price		Exchange Rate
	US\$/Ton	Rs./Ton	Rs./ US\$
Fixed Fuel Price	52.05	8,171.85	157.00

Description	Units	Reference		Revised	
		Variable	Fixed	Variable	Fixed
Avg. price of stock consumed	Rs./ Ton	1,393.44	3,528.12	2,444.07	8,171.85
Heat Rate	Btu/kWh	9,222.49	9,222.49	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	11.005	10.71	10.71
Plant Factor	%		85%		85%
Fuel Cost Component		Rs. 1.1677/kWh	Rs. 2.5132/kWh	Rs. 2.1045/kWh	Rs. 5.9811/kWh

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV)

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-IX

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the month of October 2019

Variable Fuel Cost Component				
Description	Quantity	Variable Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from purchases during September 2019	62,299	15.48	2,430.36	157.00
Consumption from purchases during October 2019	258,020	15.48	2,424.94	156.65
Total Consumption	320,319	15.48	2,426.00	156.72

*Variable Coal Price including transportation of US\$ 1.45/Ton

Fixed Fuel Cost Component				
Description	Fixed Coal Price		Exchange Rate	
	US\$/Ton	Rs./Ton	Rs./ US\$	
Fixed Fuel Price	52.05	8,153.63	156.65	

Description	Units	Reference		Revised	
		Variable	Fixed	Variable	Fixed
Avg. price of stock consumed	Rs./ Ton	1,393.44	3,528.12	2,426.00	8,153.63
Heat Rate	Btu/kWh	9,222.49	9,222.49	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	11.005	10.71	10.71
Plant Factor	%	-	85%	-	85%
Fuel Cost Component		Rs. 1.1677/kWh	Rs. 2.5132/kWh	Rs. 2.089/kWh	Rs. 5.9678/kWh

Reference heating value as per TCEB determination for years 1 - 8 is 11.30 MJ/KG (LHV)

Reference heating value shall be indexed annually as per TCEB determination

Annex: NEPRA-X

Engro Powergen Thar (Private) Limited
Schedule of Fuel Cost Part of Energy Charge
Adjustment on Account of Thar Coal Price Variation for the month of November 2019

Variable Fuel Cost Component				
Description	Quantity	Variable Coal Price*		Exchange Rate
	Tons	US\$/Ton	Rs./ Ton	Rs./ US\$
Coal Consumption:				
Consumption from purchases during October 2019	44,864	15.48	2,424.94	156.65

Consumption from purchases during November 2019	331,795	15.48	2,417.98	156.20
Total Consumption	376,659	15.48	2,418.81	156.25

*Variable Coal Price including transportation of US\$ 1.45/Ton

Fixed Fuel Cost Component			
Description	Fixed Coal Price		Exchange Rate
	US\$/Ton	Rs./Ton	Rs./US\$
Fixed Fuel Price	52.05	8,130.21	156.20

Description	Units	Reference		Revised	
		Variable	Fixed	Variable	Fixed
Avg. price of stock consumed	Rs./ Ton	1,393.44	3,528.12	2,418.81	8,130.21
Heat Rate	Btu/kWh	9,222.49	9,222.49	9,222.49	9,222.49
Heating Value of Thar Coal	MMBtu/ton	11.005	11.005	10.71	10.71
Plant Factor	%		85%		85%
Fuel Cost Component		Rs. 1.1677/kWh	Rs. 2.5132/kWh	Rs. 2.0828/kWh	Rs. 5.9507/kWh

Reference heating value as per TCEB determination for years 1 – 8 is 11.30 MJ/KG (LHV)

Reference heating value shall be indexed annually as per TCEB determination

[Case No. NEPRA/TRF-301/EPTPL-2015]

S.R.O. 95(I)/2020.—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 31st March 2015 notified vide S.R.O 560(1)/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-XXXIII-A

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 December 2019

Description	Quantity	Net CV	Coal Price		Exchange Rate
	Ton	kCal/Kg.	US\$/Ton	Rs/Ton	Rs./US\$
Consumption from Stock:					
Consumption from Shipment No. HSR 172	23,645	5,834	119.65	18,748	156.69
Consumption from Shipment No. HSR 173	38,935	5,917	119.77	18,767	156.69
Consumption from Shipment No. HSR 174	52,859	5,670	115.90	18,160	156.69
Consumption from Shipment No. HSR 175	20,698	5,780	119.50	18,724	156.69
Total Consumption	136,137	5,786	118.20	18,521	156.69